

Data Path : Z:\VOASRV\HPCHEM1\MSVOA X\DATA\VX102519\
 Data File : VX013221.D
 Acq On : 25 Oct 2019 11:25
 Operator : JC/SP
 Sample : VX1025WBS02
 Misc : 5.0mL/MSVOA X/WATER
 ALS Vial : 4 Sample Multiplier: 1

Instrument :
 MSVOA_X
 ClientSampleId :
 VX1025WBS02

Manual Integrations
 APPROVED

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 11/4/2019 1:23:10 PM

Quant Time: Oct 25 23:25:22 2019
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_X\METHOD\82X102419W.M
 Quant Title : SW846 8260
 QLast Update : Thu Oct 24 03:56:38 2019
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev (Min)
1) Pentafluorobenzene	5.65	168	80202	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	6.85	114	114824	50.00	ug/l	0.00
63) Chlorobenzene-d5	10.11	117	115369	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	12.07	152	78675	50.00	ug/l	0.00

System Monitoring Compounds

33) 1,2-Dichloroethane-d4	6.05	65	84642	50.46	ug/l	0.00
Spiked Amount	50.000		Recovery	=	100.92%	
35) Dibromofluoromethane	5.48	113	66116	51.63	ug/l	0.00
Spiked Amount	50.000		Recovery	=	103.26%	
50) Toluene-d8	8.71	98	241165	50.82	ug/l	0.00
Spiked Amount	50.000		Recovery	=	101.64%	
62) 4-Bromofluorobenzene	11.13	95	93623	49.85	ug/l	0.00
Spiked Amount	50.000		Recovery	=	99.70%	

Target Compounds

						Qvalue
2) Dichlorodifluoromethane	1.19	85	30446	18.813	ug/l	99
3) Chloromethane	1.32	50	24377	18.911	ug/l	96
4) Vinyl Chloride	1.40	62	26021	17.867	ug/l	97
5) Bromomethane	1.63	94	16086	20.838	ug/l	100
6) Chloroethane	1.72	64	16230	18.292	ug/l	100
7) Trichlorofluoromethane	1.92	101	46919	20.592	ug/l	95
8) Diethyl Ether	2.18	74	15456	19.609	ug/l	97
9) 1,1,2-Trichlorotrifluoroet	2.37	101	27337	19.207	ug/l	99
10) Methyl Iodide	2.50	142	26823	17.440	ug/l	100
11) Tert butyl alcohol	3.03	59	34733	94.784	ug/l	98
12) 1,1-Dichloroethene	2.36	96	25288	18.509	ug/l	100
13) Acrolein	2.28	56	14601	74.188	ug/l	99
14) Allyl chloride	2.72	41	38909	18.090	ug/l	99
15) Acrylonitrile	3.13	53	69184	93.569	ug/l	99
16) Acetone	2.43	43	77444	97.995	ug/l	100
17) Carbon Disulfide	2.56	76	61655	16.786	ug/l	100
18) Methyl Acetate	2.76	43	32761	19.586	ug/l	100
19) Methyl tert-butyl Ether	3.18	73	90802	18.873	ug/l	99
20) Methylene Chloride	2.84	84	29597	20.200	ug/l	99
21) trans-1,2-Dichloroethene	3.16	96	27269	19.476	ug/l	89
22) Diisopropyl ether	3.84	45	78520	18.670	ug/l	# 88
23) Vinyl Acetate	3.80	43	338596	94.723	ug/l	100
24) 1,1-Dichloroethane	3.69	63	48518	18.756	ug/l	99
25) 2-Butanone	4.65	43	98950	93.362	ug/l	99
26) 2,2-Dichloropropane	4.57	77	45047	18.842	ug/l	99
27) cis-1,2-Dichloroethene	4.58	96	31590	18.880	ug/l	99
28) Bromochloromethane	5.00	49	13940	20.899	ug/l	100
29) Tetrahydrofuran	5.11	42	58457	91.504	ug/l	99
30) Chloroform	5.19	83	52521	19.069	ug/l	98
31) Cyclohexane	5.57	56	39995	18.436	ug/l	95
32) 1,1,1-Trichloroethane	5.48	97	48336	19.738	ug/l	98
36) 1,1-Dichloropropene	5.79	75	37867	19.655	ug/l	98
37) Ethyl Acetate	4.81	43	35226	18.410	ug/l	100
38) Carbon Tetrachloride	5.78	117	40121	18.904	ug/l	95

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Manual Integrations
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Quant Time: Oct 25 23:25:22 2019
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_X\METHOD\82X102419W.M
 Quant Title : SW846 8260
 QLast Update : Thu Oct 24 03:56:38 2019
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev (Min)
39) Methylcyclohexane	7.45	83	45425	18.479	ug/l	98
40) Benzene	6.14	78	109774	19.033	ug/l	99
41) Methacrylonitrile	5.03	41	20106	19.599	ug/l	99
42) 1,2-Dichloroethane	6.18	62	44590	20.506	ug/l	100
43) Isopropyl Acetate	6.43	43	60677	19.099	ug/l	100
44) Trichloroethene	7.20	130	30906	18.881	ug/l	98
45) 1,2-Dichloropropane	7.51	63	27222	18.845	ug/l	99
46) Dibromomethane	7.65	93	19453	18.691	ug/l	100
47) Bromodichloromethane	7.89	83	39716	19.582	ug/l	98
48) Methyl methacrylate	7.76	41	29719	18.927	ug/l	97
49) 1,4-Dioxane	7.73	88	15169	379.570	ug/l	98
51) 4-Methyl-2-Pentanone	8.64	43	181742	93.854	ug/l	100
52) Toluene	8.78	92	72085	18.860	ug/l	98
53) t-1,3-Dichloropropene	9.03	75	41190	19.111	ug/l	100
54) cis-1,3-Dichloropropene	8.43	75	46367	19.665	ug/l	98
55) 1,1,2-Trichloroethane	9.21	97	29872	19.768	ug/l	97
56) Ethyl methacrylate	9.17	69	44371	19.509	ug/l	98
57) 1,3-Dichloropropane	9.37	76	49845	19.549	ug/l	99
58) 2-Chloroethyl Vinyl ether	8.30	63	91598	103.213	ug/l	100
59) 2-Hexanone	9.48	43	142139	95.291	ug/l	98
60) Dibromochloromethane	9.57	129	31278	19.753	ug/l	100
61) 1,2-Dibromoethane	9.67	107	31416	19.583	ug/l	100
64) Tetrachloroethene	9.33	164	32030	21.399	ug/l	95
65) Chlorobenzene	10.14	112	77582	19.210	ug/l	100
66) 1,1,1,2-Tetrachloroethane	10.21	131	29976	20.092	ug/l	99
67) Ethyl Benzene	10.25	91	139849	19.343	ug/l	98
68) m/p-Xylenes	10.35	106	104059	38.084	ug/l	99
69) o-Xylene	10.70	106	50251	19.172	ug/l	100
70) Styrene	10.71	104	85380	18.918	ug/l	98
71) Bromoform	10.85	173	21329	19.566	ug/l #	99
73) Isopropylbenzene	11.01	105	141239	19.769	ug/l	100
74) N-amyl acetate	10.89	43	49474	18.867	ug/l	99
75) 1,1,2,2-Tetrachloroethane	11.26	83	40995	18.898	ug/l	94
76) 1,2,3-Trichloropropane	11.29	75	36253m	19.119	ug/l	
77) Bromobenzene	11.25	156	33071	19.313	ug/l	99
78) n-propylbenzene	11.35	91	142985	18.425	ug/l	98
79) 2-Chlorotoluene	11.42	91	86734	17.689	ug/l	97
80) 1,3,5-Trimethylbenzene	11.50	105	118447	19.946	ug/l	100
81) trans-1,4-Dichloro-2-buten	11.07	75	12921	18.725	ug/l	99
82) 4-Chlorotoluene	11.51	91	108652	19.557	ug/l	98
83) tert-Butylbenzene	11.76	119	112064	19.074	ug/l	99
84) 1,2,4-Trimethylbenzene	11.81	105	116447	19.441	ug/l	99
85) sec-Butylbenzene	11.94	105	132101	19.758	ug/l	99
86) p-Isopropyltoluene	12.06	119	125095	19.916	ug/l	100
87) 1,3-Dichlorobenzene	12.02	146	59764	19.320	ug/l	99
88) 1,4-Dichlorobenzene	12.09	146	60008	19.053	ug/l	99
89) n-Butylbenzene	12.39	91	99601	19.384	ug/l	100
90) Hexachloroethane	12.59	117	20182	19.186	ug/l	99
91) 1,2-Dichlorobenzene	12.39	146	59965	19.713	ug/l	98
92) 1,2-Dibromo-3-Chloropropan	12.99	75	10128	18.774	ug/l	99

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Instrument :
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ClientSampleId :
VX1025WBS02

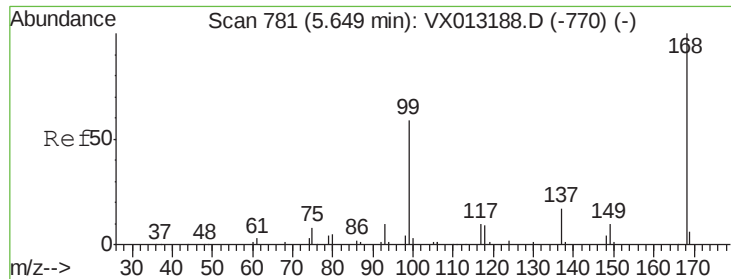
Manual Integrations
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Quant Time: Oct 25 23:25:22 2019
Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_X\METHOD\82X102419W.M
Quant Title : SW846 8260
QLast Update : Thu Oct 24 03:56:38 2019
Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev (Min)
93) 1,2,4-Trichlorobenzene	13.64	180	34573	18.049	uq/l	92
94) Hexachlorobutadiene	13.78	225	18731	18.904	uq/l	98
95) Naphthalene	13.83	128	112310	19.104	uq/l	99
96) 1,2,3-Trichlorobenzene	14.01	180	36139	19.093	uq/l	98

(#) = qualifier out of range (m) = manual integration (+) = signals summed



#1

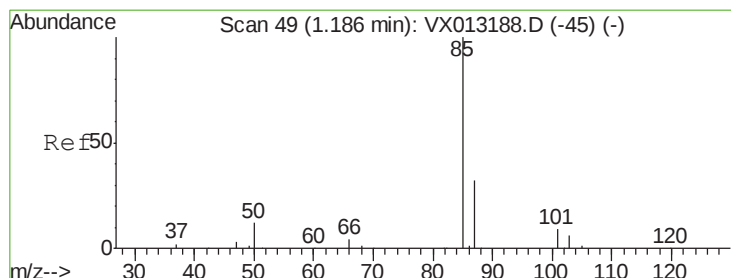
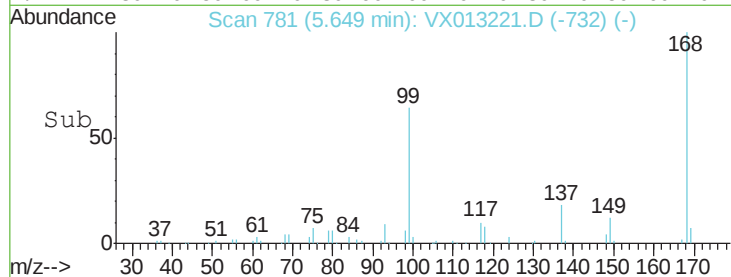
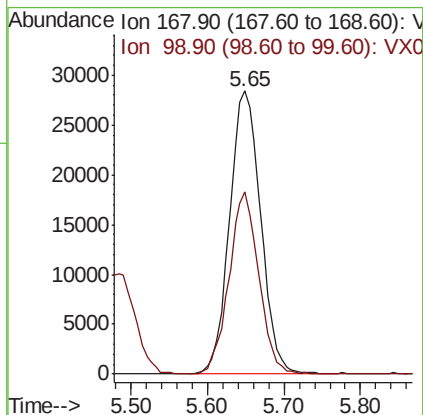
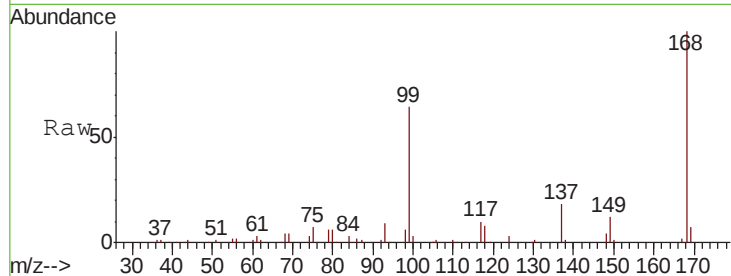
Pentafluorobenzene
 Concen: 50.000 ug/l
 RT: 5.65 min Scan# 781
 Delta R.T. -0.00 min
 Lab File: VX013221.D
 Acq: 25 Oct 2019 11:25

Instrument :
 MSVOA_X
 ClientSampleId :
 VX1025WBS02

Tot Ion:168 Resp: 80202
 Ion Ratio Lower Upper
 168 100
 99 64.5 47.0 70.4

Manual Integrations
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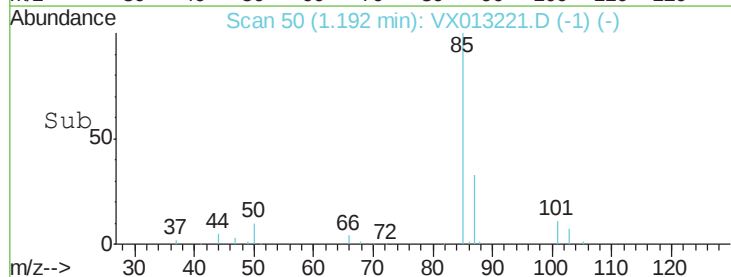
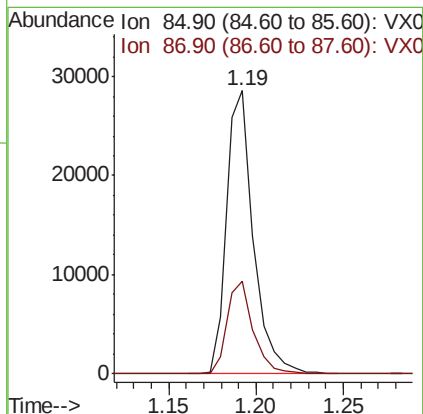
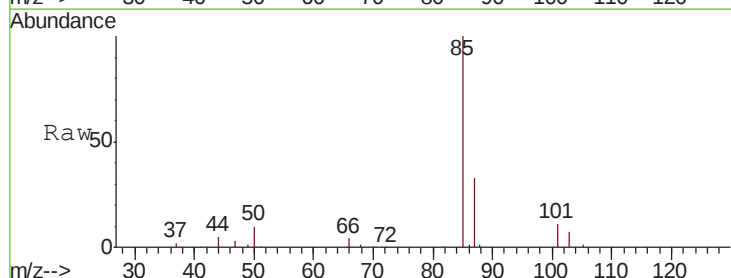
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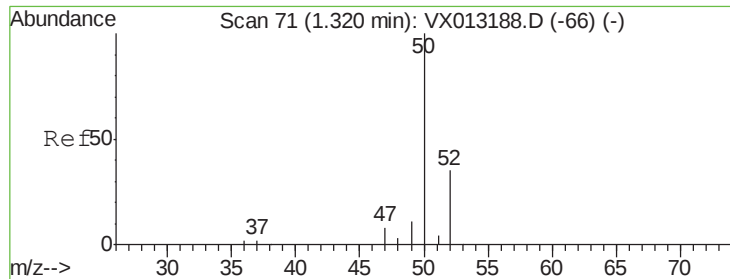


#2

Dichlorodifluoromethane
 Concen: 18.813 ug/l
 RT: 1.19 min Scan# 50
 Delta R.T. 0.01 min
 Lab File: VX013221.D
 Acq: 25 Oct 2019 11:25

Tgt Ion: 85 Resp: 30446
 Ion Ratio Lower Upper
 85 100
 87 32.9 16.2 48.6





#3

Chloromethane

Concen: 18.911 ug/l

RT: 1.32 min Scan# 71

Delta R.T. 0.00 min

Lab File: VX013221.D

Acq: 25 Oct 2019 11:25

Instrument :

MSVOA_X

ClientSampleId :

VX1025WBS02

Tot Ion: 50 Resp: 24377

Ion Ratio Lower Upper

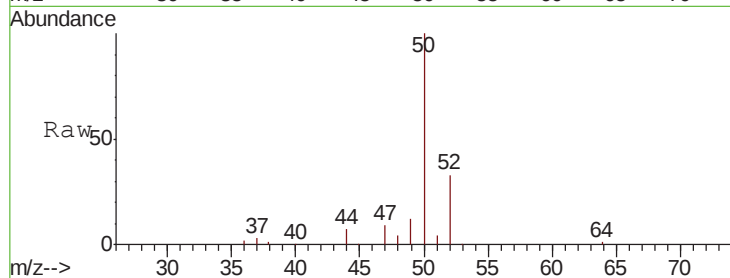
50 100

52 32.6 27.8 41.6

Manual Integrations
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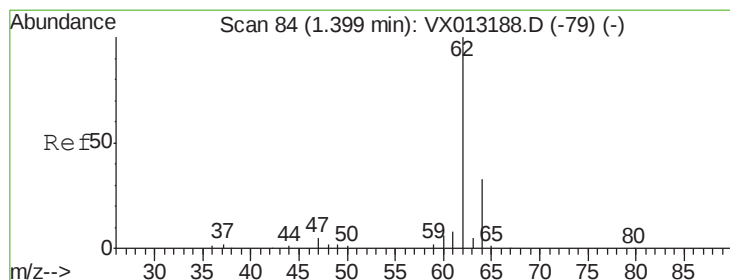
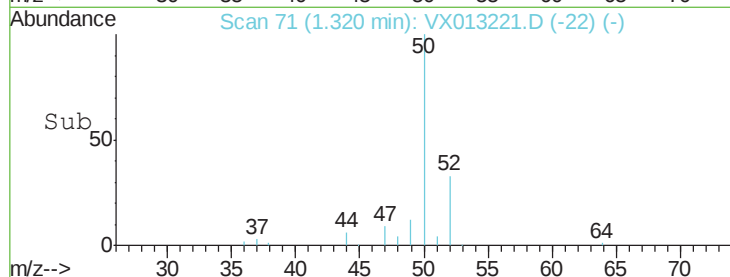
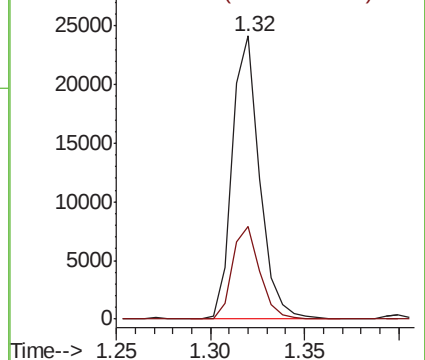
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Abundance Ion 49.90 (49.60 to 50.60): VX0

Ion 51.90 (51.60 to 52.60): VX0



#4

Vinyl Chloride

Concen: 17.867 ug/l

RT: 1.40 min Scan# 84

Delta R.T. -0.00 min

Lab File: VX013221.D

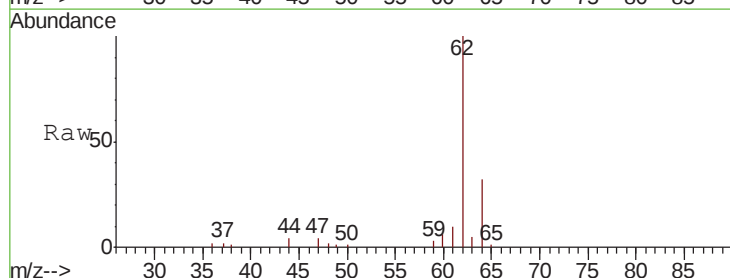
Acq: 25 Oct 2019 11:25

Tgt Ion: 62 Resp: 26021

Ion Ratio Lower Upper

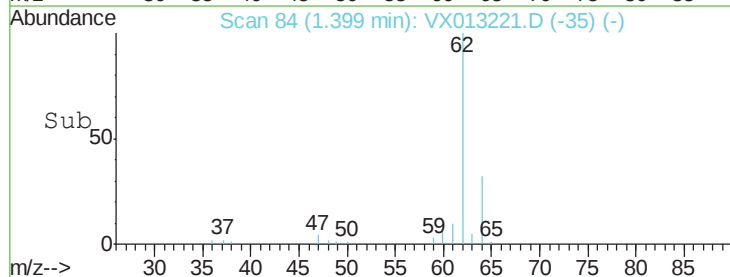
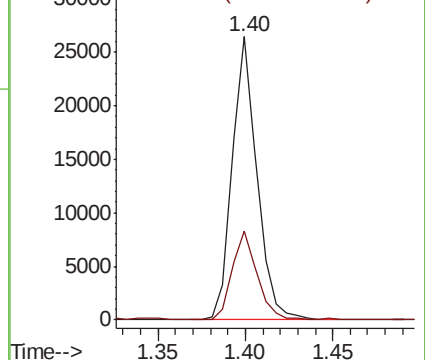
62 100

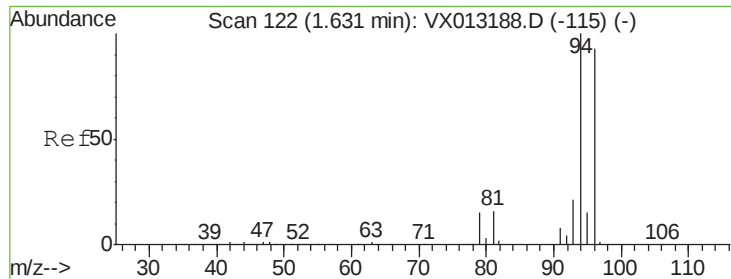
64 31.5 26.4 39.6



Abundance Ion 61.90 (61.60 to 62.60): VX0

Ion 63.90 (63.60 to 64.60): VX0





#5

Bromomethane

Concen: 20.838 ug/l

RT: 1.63 min Scan# 122

Delta R.T. -0.00 min

Lab File: VX013221.D

Acq: 25 Oct 2019 11:25

Instrument :

MSVOA_X

ClientSampleId :

VX1025WBS02

Tot Ion: 94 Resp: 16086

Ion Ratio Lower Upper

94 100

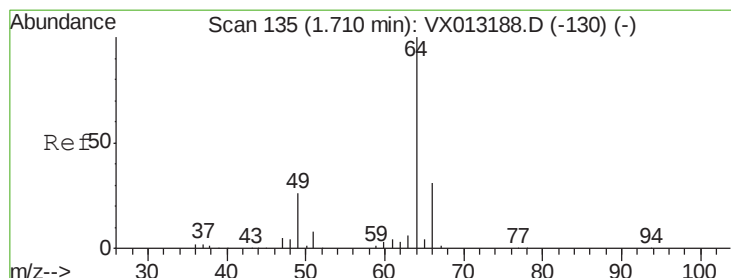
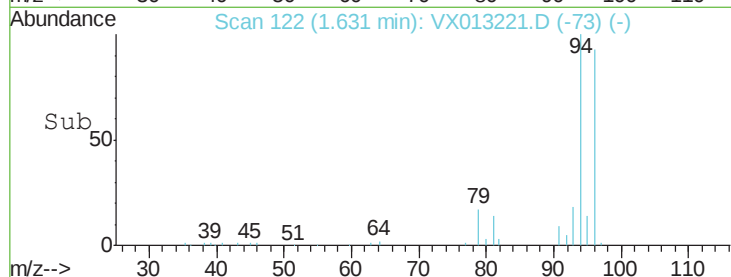
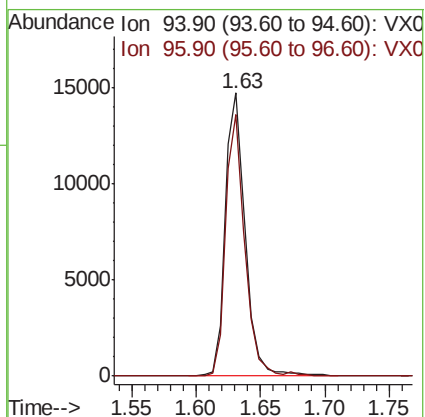
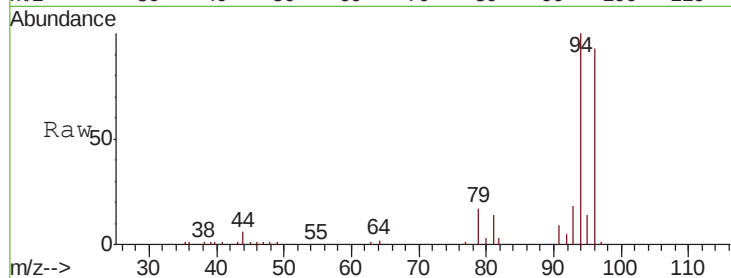
96 92.6 74.2 111.2

Manual Integrations

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#6

Chloroethane

Concen: 18.292 ug/l

RT: 1.72 min Scan# 136

Delta R.T. 0.01 min

Lab File: VX013221.D

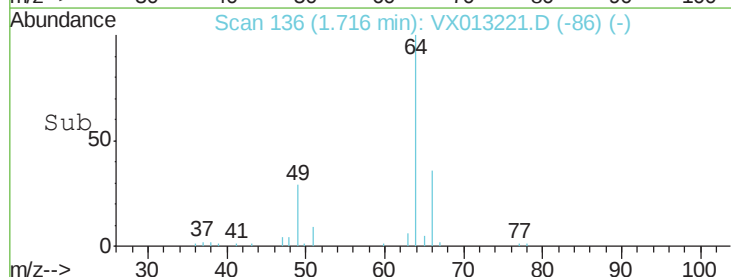
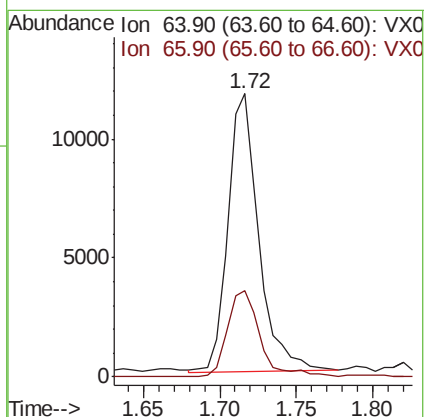
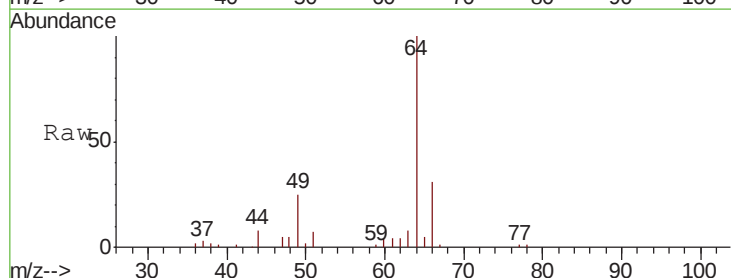
Acq: 25 Oct 2019 11:25

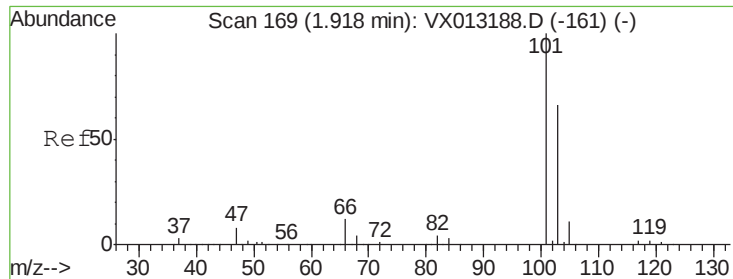
Tgt Ion: 64 Resp: 16230

Ion Ratio Lower Upper

64 100

66 31.3 25.0 37.6





#7

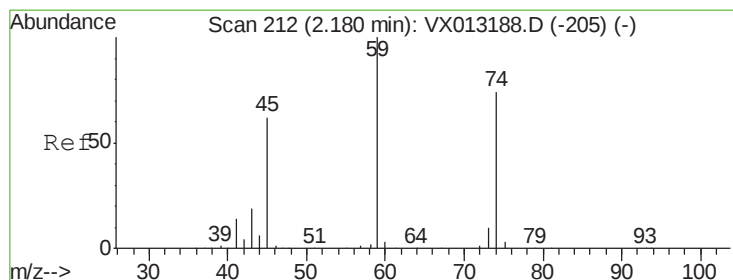
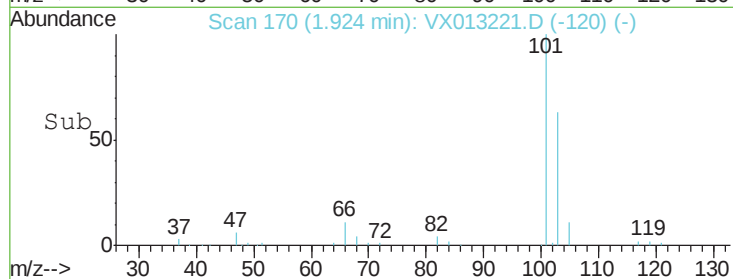
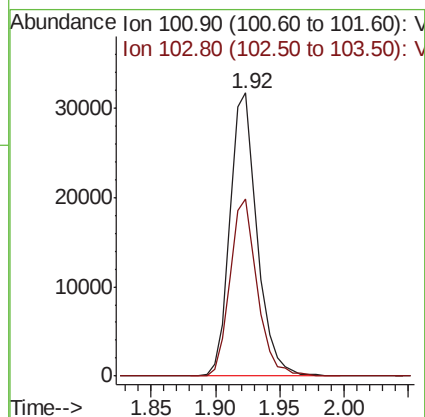
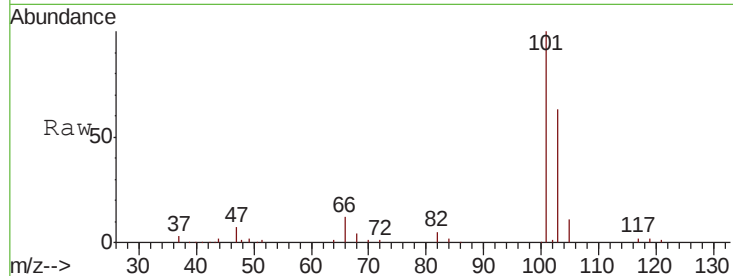
Trichlorofluoromethane
 Concen: 20.592 ug/l
 RT: 1.92 min Scan# 170
 Delta R.T. 0.01 min
 Lab File: VX013221.D
 Acq: 25 Oct 2019 11:25

Instrument :
 MSVOA_X
 ClientSampleId :
 VX1025WBS02

Tot Ion:101 Resp: 46919
 Ion Ratio Lower Upper
 101 100
 103 62.7 53.0 79.6

Manual Integrations
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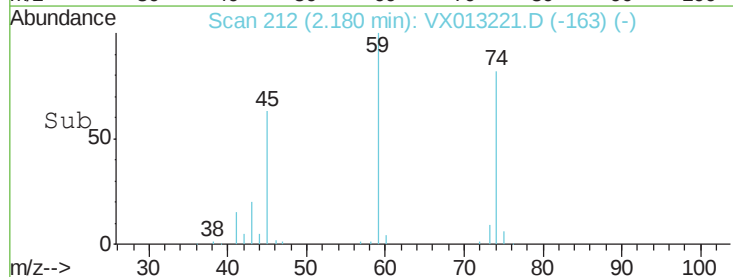
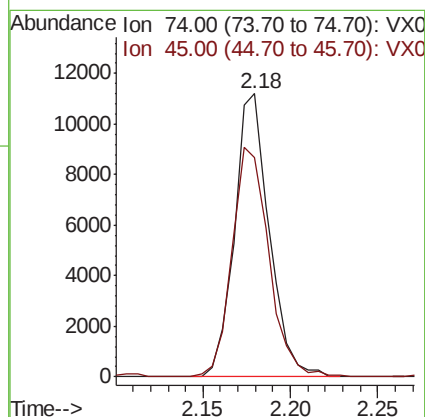
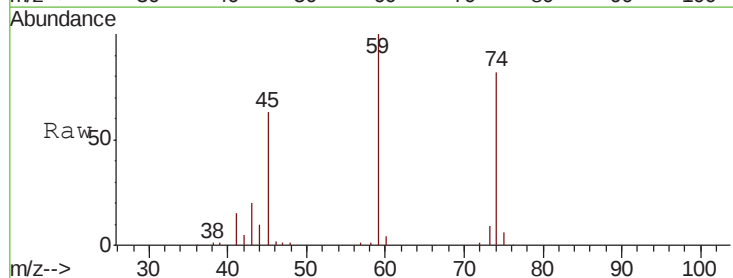
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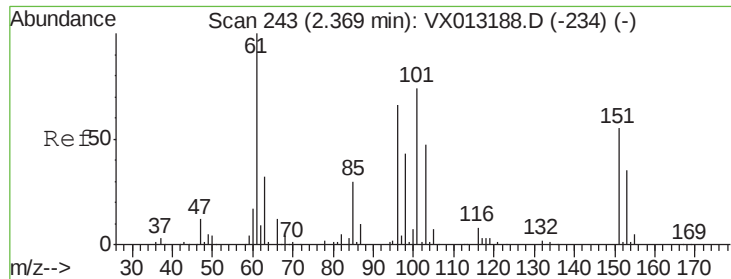


#8

Diethyl Ether
 Concen: 19.609 ug/l
 RT: 2.18 min Scan# 212
 Delta R.T. -0.00 min
 Lab File: VX013221.D
 Acq: 25 Oct 2019 11:25

Tgt Ion: 74 Resp: 15456
 Ion Ratio Lower Upper
 74 100
 45 86.5 44.8 134.3





#9

1,1,2-Trichlorotrifluoroethane

Concen: 19.207 ug/l

RT: 2.37 min Scan# 244

Delta R.T. 0.01 min

Lab File: VX013221.D

Acq: 25 Oct 2019 11:25

Instrument :

MSVOA_X

ClientSampleId :

VX1025WBS02

Tot Ion:101 Resp: 27337

Ion Ratio Lower Upper

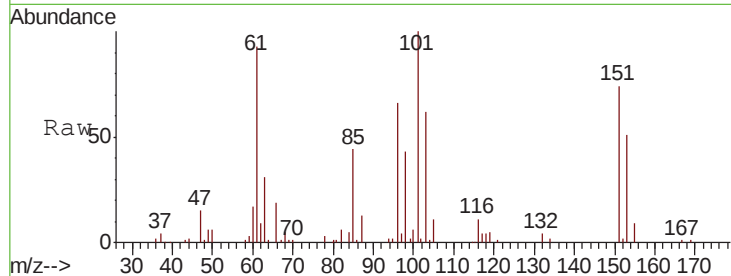
101 100

85 43.2 34.0 51.0

151 78.6 62.0 93.0

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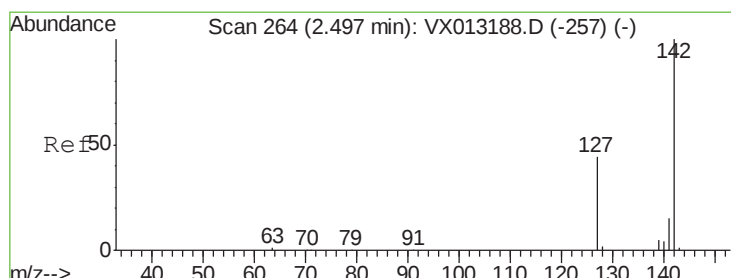
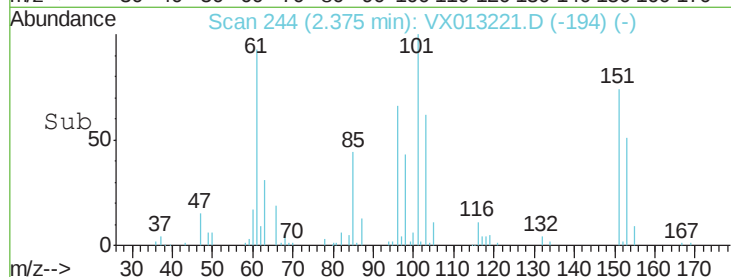
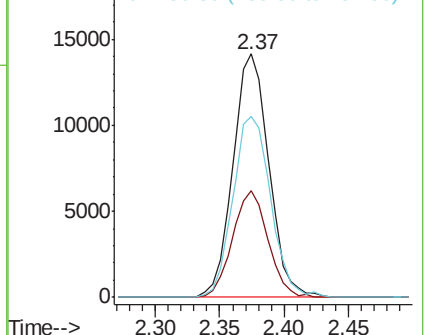
MMDadoda
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Abundance Ion 100.90 (100.60 to 101.60): V

Ion 84.90 (84.60 to 85.60): VX0

Ion 150.80 (150.50 to 151.50): V



#10

Methyl Iodide

Concen: 17.440 ug/l

RT: 2.50 min Scan# 265

Delta R.T. 0.01 min

Lab File: VX013221.D

Acq: 25 Oct 2019 11:25

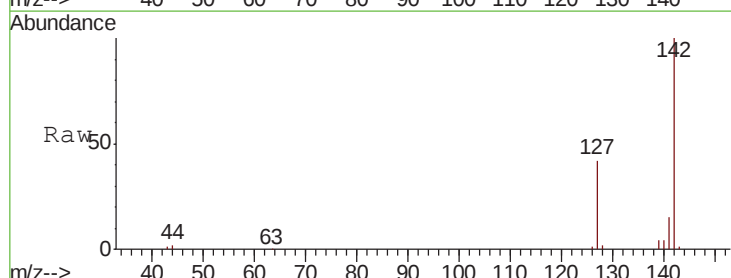
Tgt Ion:142 Resp: 26823

Ion Ratio Lower Upper

142 100

127 44.5 35.6 53.4

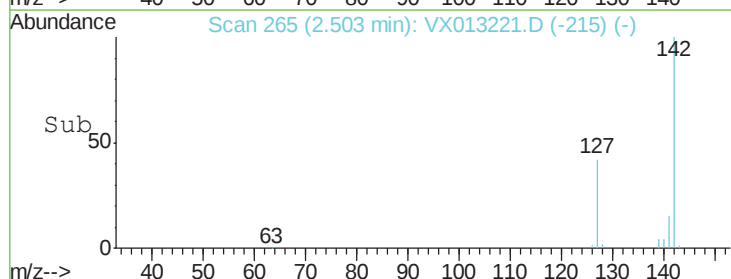
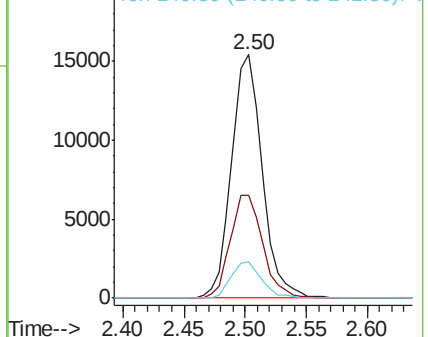
141 14.8 11.6 17.4

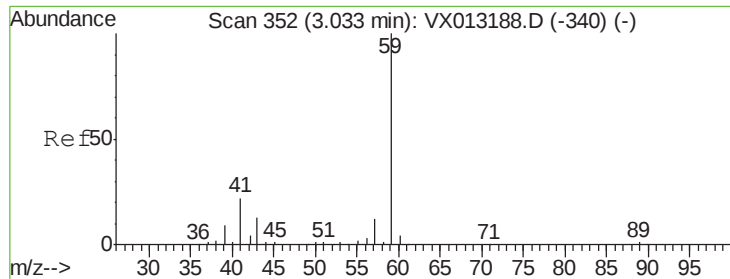


Abundance Ion 141.80 (141.50 to 142.50): V

Ion 126.80 (126.50 to 127.50): V

Ion 140.80 (140.50 to 141.50): V





#11

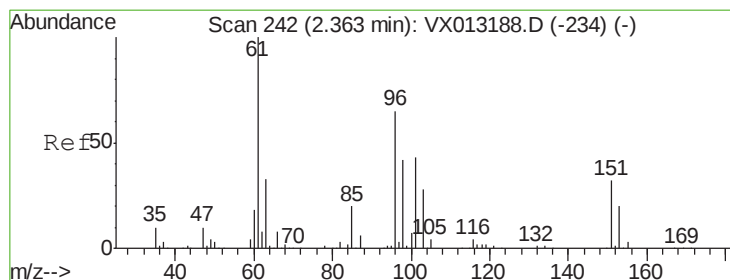
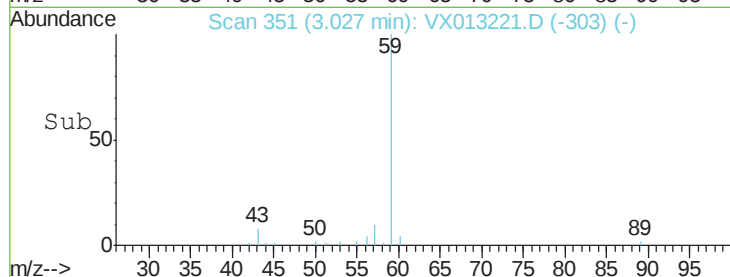
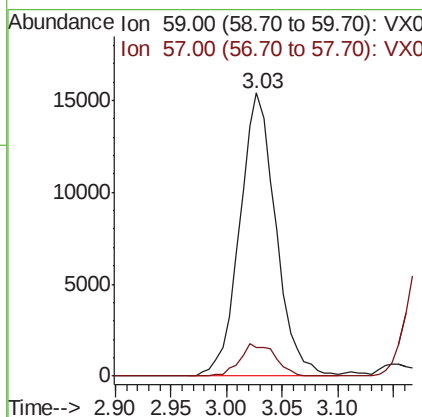
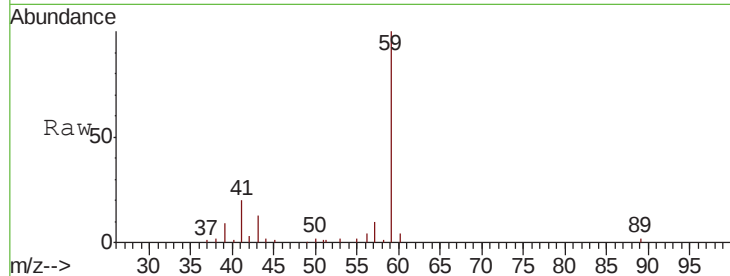
Tert butyl alcohol
Concen: 94.784 ug/l
RT: 3.03 min Scan# 351
Delta R.T. -0.01 min
Lab File: VX013221.D
Acq: 25 Oct 2019 11:25

Instrument :
MSVOA_X
ClientSampleId :
VX1025WBS02

Tot Ion: 59 Resp: 34733
Ion Ratio Lower Upper
59 100
57 11.1 8.2 12.4

Manual Integrations
APPROVED

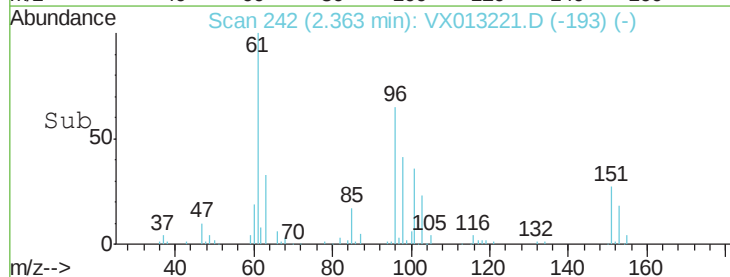
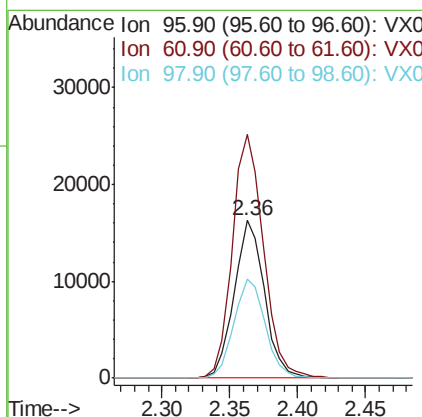
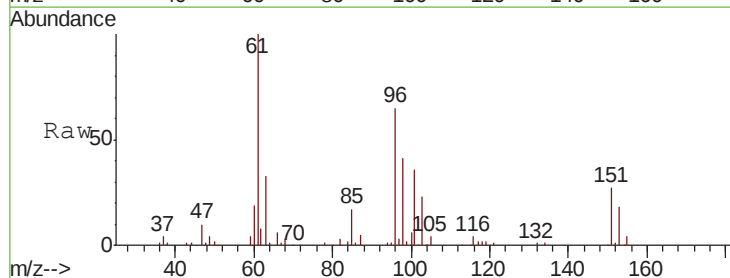
MMDadoda
11/4/2019 1:23:10 PM

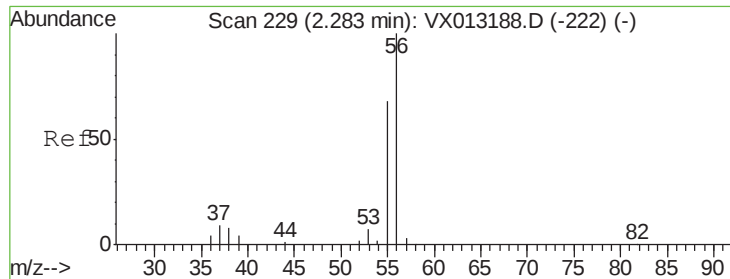


#12

1,1-Dichloroethene
Concen: 18.509 ug/l
RT: 2.36 min Scan# 242
Delta R.T. -0.00 min
Lab File: VX013221.D
Acq: 25 Oct 2019 11:25

Tgt Ion: 96 Resp: 25288
Ion Ratio Lower Upper
96 100
61 154.8 123.8 185.8
98 63.3 51.6 77.4





#13

Acrolein

Concen: 74.188 ug/l

RT: 2.28 min Scan# 229

Delta R.T. -0.00 min

Lab File: VX013221.D

Acq: 25 Oct 2019 11:25

Instrument :

MSVOA_X

ClientSampleId :

VX1025WBS02

Tot Ion: 56 Resp: 14601

Ion Ratio Lower Upper

56 100

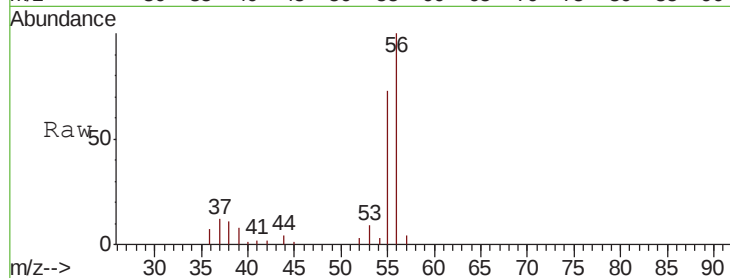
55 74.4 58.9 88.3

Manual Integrations

APPROVED

MMDadoda

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Abundance Ion 56.00 (55.70 to 56.70): VX0

Ion 55.00 (54.70 to 55.70): VX0

2.28

10000

8000

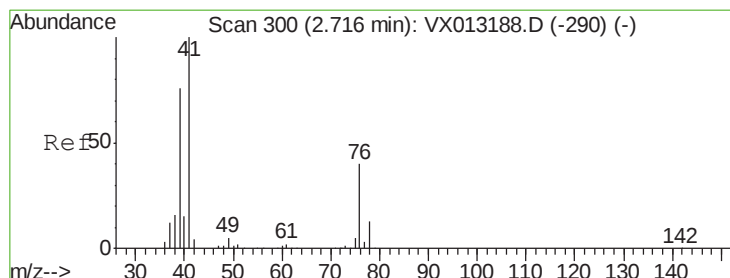
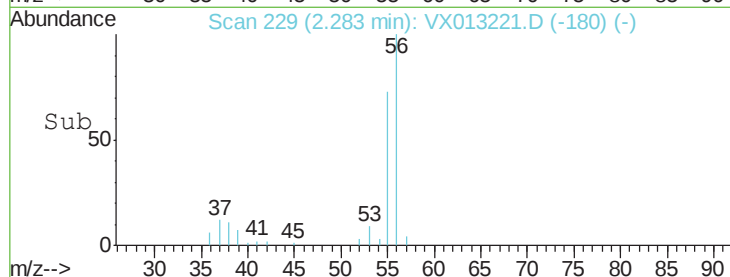
6000

4000

2000

0

Time-->



#14

Allyl chloride

Concen: 18.090 ug/l

RT: 2.72 min Scan# 300

Delta R.T. -0.00 min

Lab File: VX013221.D

Acq: 25 Oct 2019 11:25

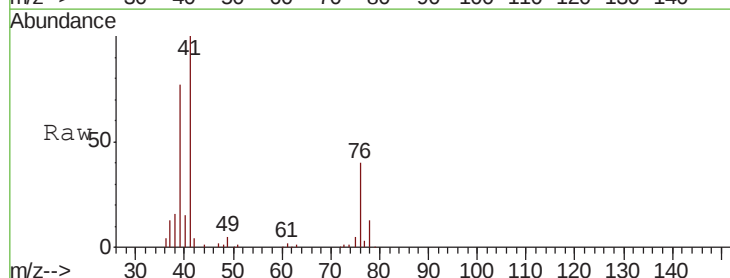
Tgt Ion: 41 Resp: 38909

Ion Ratio Lower Upper

41 100

39 69.7 54.6 81.8

76 37.3 29.8 44.6



Abundance Ion 41.00 (40.70 to 41.70): VX0

Ion 39.00 (38.70 to 39.70): VX0

Ion 75.90 (75.60 to 76.60): VX0

2.72

25000

20000

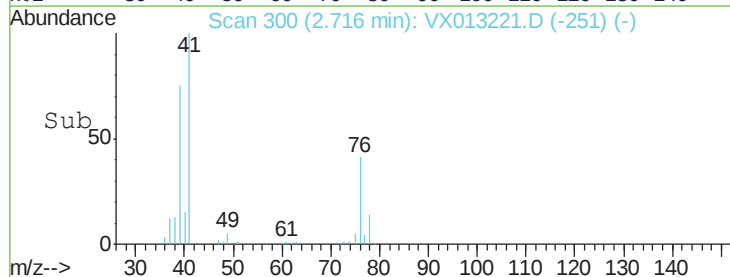
15000

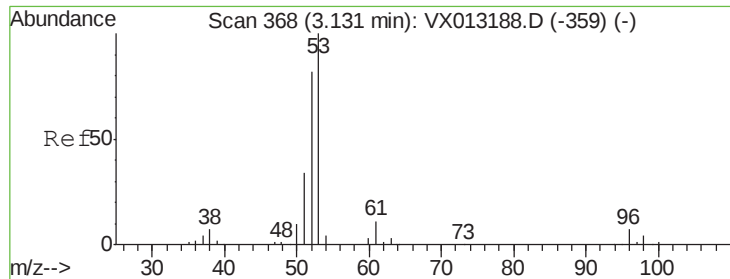
10000

5000

0

Time-->





#15

Acrylonitrile

Concen: 93.569 ug/l

RT: 3.13 min Scan# 368

Delta R.T. -0.00 min

Lab File: VX013221.D

Acq: 25 Oct 2019 11:25

Instrument :

MSVOA_X

ClientSampleId :

VX1025WBS02

Tot Ion: 53 Resp: 69184

Ion Ratio Lower Upper

53 100

52 82.2 66.4 99.6

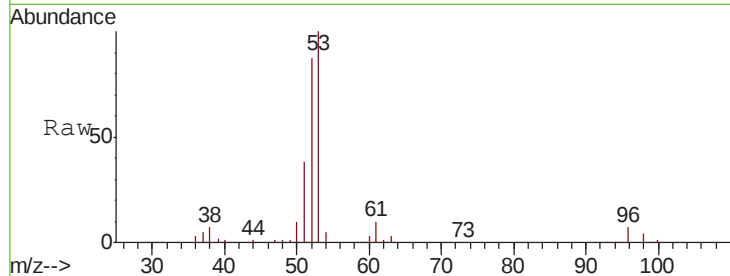
51 37.2 29.4 44.2

Manual Integrations

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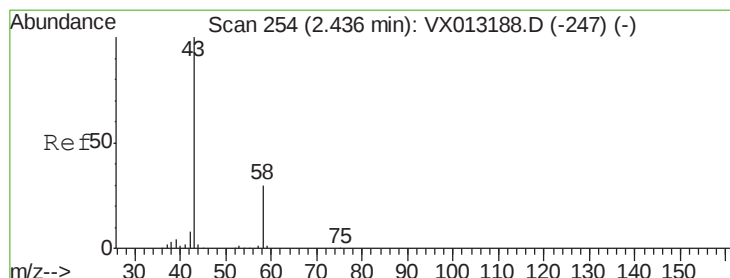
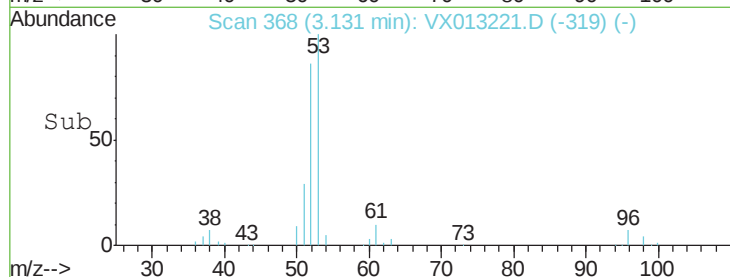
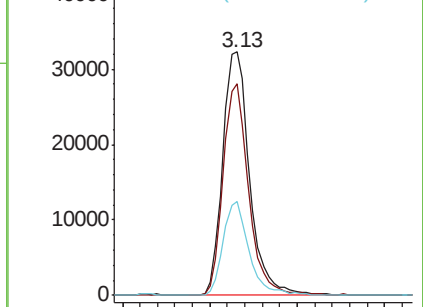
11/4/2019 1:23:10 PM



Abundance Ion 53.00 (52.70 to 53.70): VX0

Ion 52.00 (51.70 to 52.70): VX0

Ion 51.00 (50.70 to 51.70): VX0



#16

Acetone

Concen: 97.995 ug/l

RT: 2.43 min Scan# 253

Delta R.T. -0.01 min

Lab File: VX013221.D

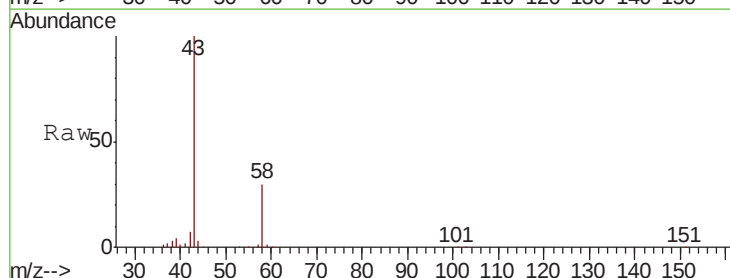
Acq: 25 Oct 2019 11:25

Tgt Ion: 43 Resp: 77444

Ion Ratio Lower Upper

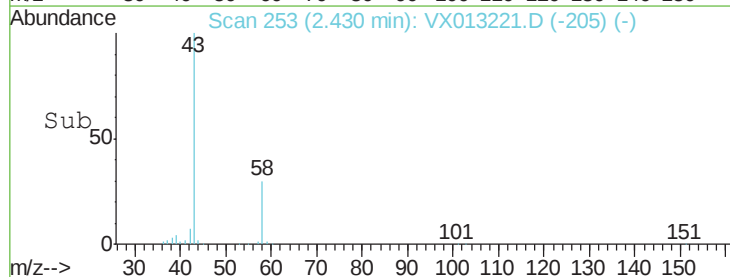
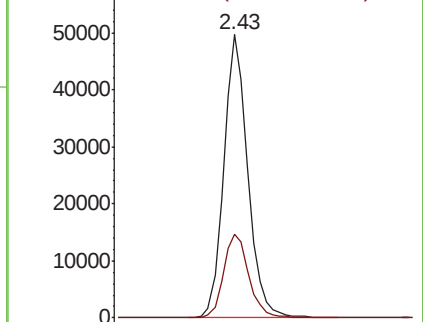
43 100

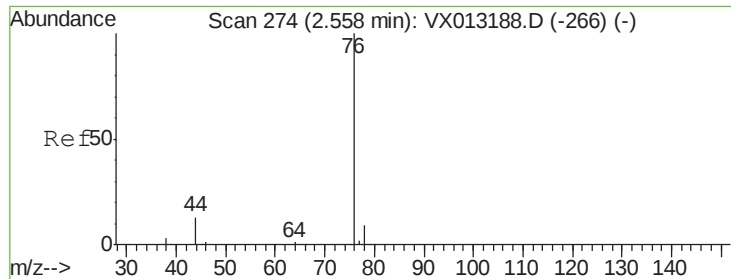
58 29.6 23.8 35.6



Abundance Ion 43.00 (42.70 to 43.70): VX0

Ion 58.00 (57.70 to 58.70): VX0





#17

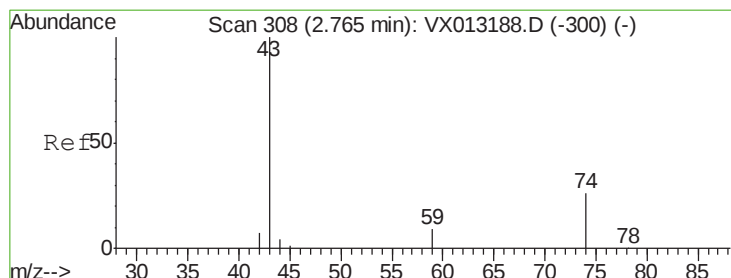
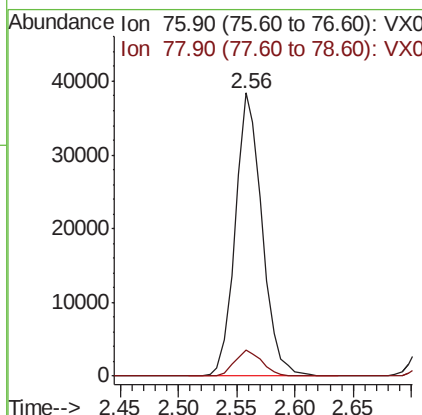
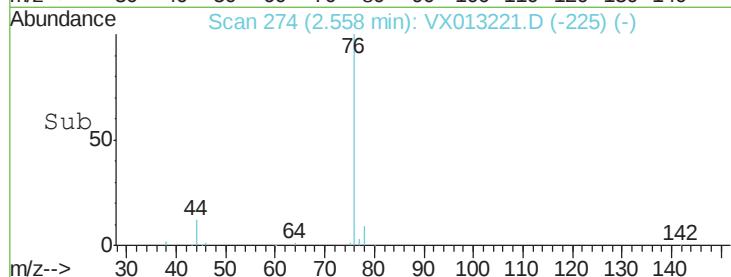
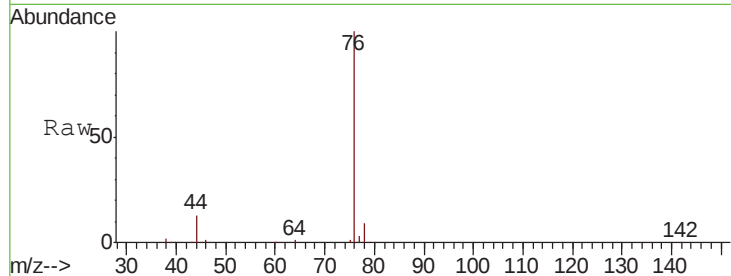
Carbon Disulfide
Concen: 16.786 ug/l
RT: 2.56 min Scan# 274
Delta R.T. -0.00 min
Lab File: VX013221.D
Acq: 25 Oct 2019 11:25

Instrument :
MSVOA_X
ClientSampleId :
VX1025WBS02

Tot Ion: 76 Resp: 61655
Ion Ratio Lower Upper
76 100
78 9.3 7.4 11.2

Manual Integrations
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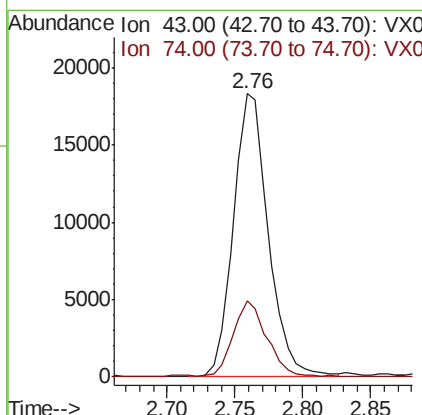
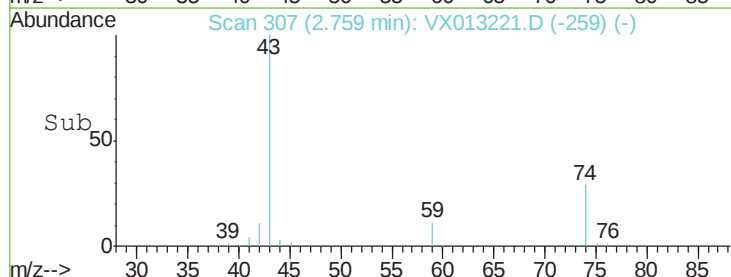
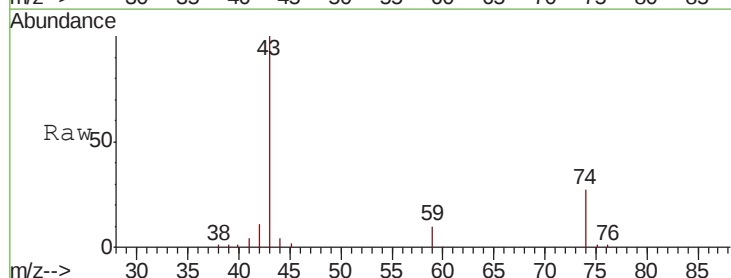
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11/4/2019 1:23:10 PM

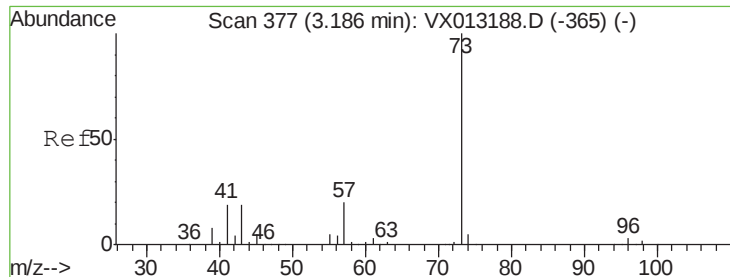


#18

Methyl Acetate
Concen: 19.586 ug/l
RT: 2.76 min Scan# 307
Delta R.T. -0.01 min
Lab File: VX013221.D
Acq: 25 Oct 2019 11:25

Tgt Ion: 43 Resp: 32761
Ion Ratio Lower Upper
43 100
74 26.2 20.9 31.3





#19

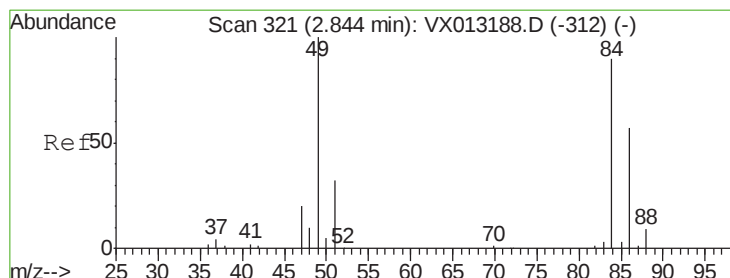
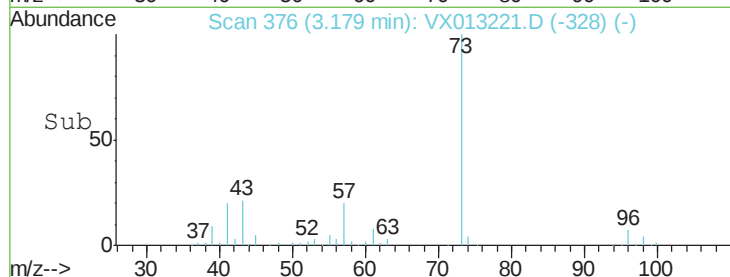
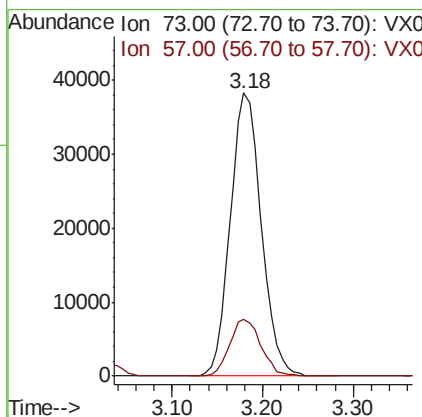
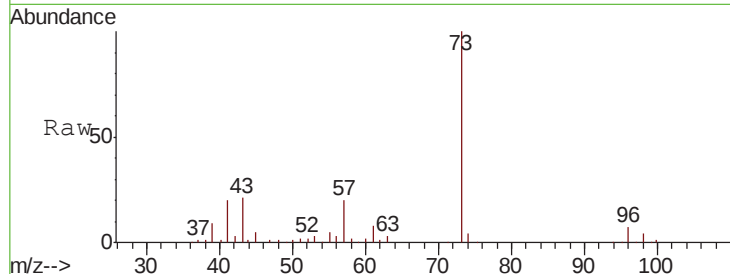
Methyl tert-butyl Ether
Concen: 18.873 ug/l
RT: 3.18 min Scan# 376
Delta R.T. -0.01 min
Lab File: VX013221.D
Acq: 25 Oct 2019 11:25

Instrument :
MSVOA_X
ClientSampleId :
VX1025WBS02

Tot Ion: 73 Resp: 90802
Ion Ratio Lower Upper
73 100
57 20.1 15.8 23.8

Manual Integrations
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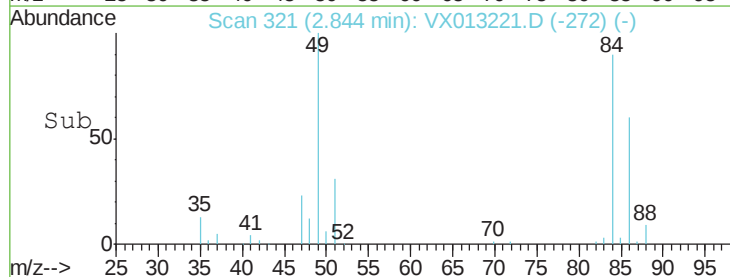
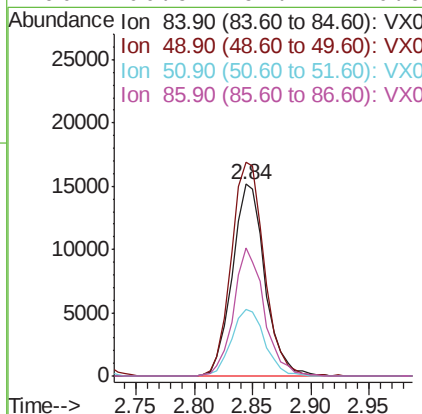
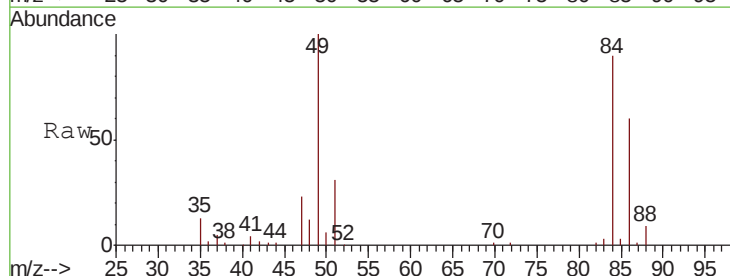
MMDadoda
11/4/2019 1:23:10 PM

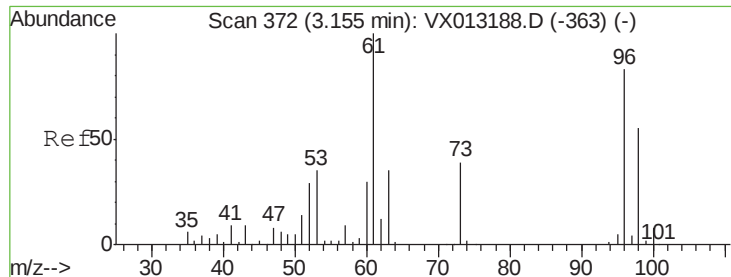


#20

Methylene Chloride
Concen: 20.200 ug/l
RT: 2.84 min Scan# 321
Delta R.T. 0.00 min
Lab File: VX013221.D
Acq: 25 Oct 2019 11:25

Tgt Ion: 84 Resp: 29597
Ion Ratio Lower Upper
84 100
49 111.3 89.2 133.8
51 34.6 28.8 43.2
86 66.5 51.2 76.8





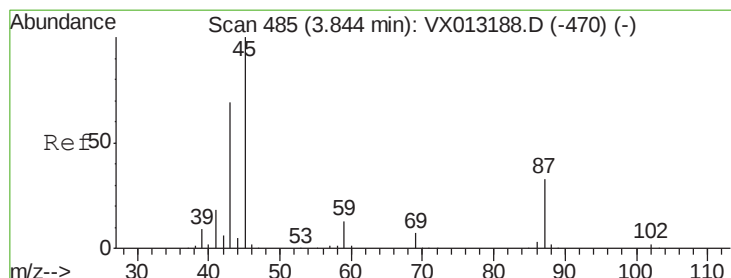
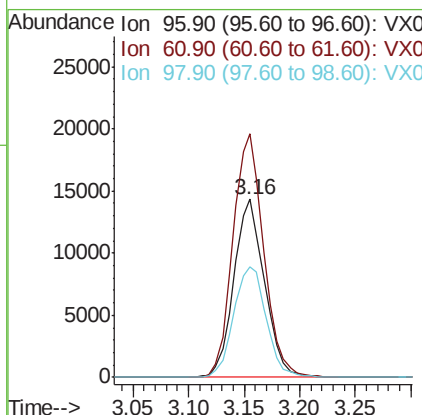
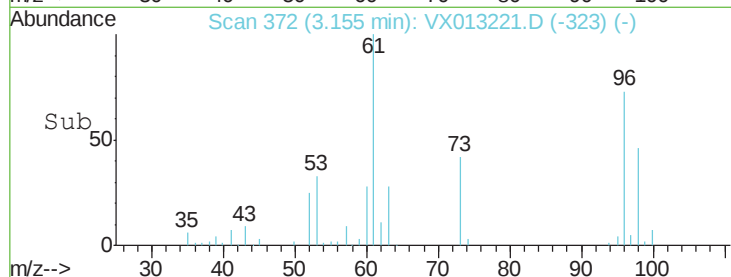
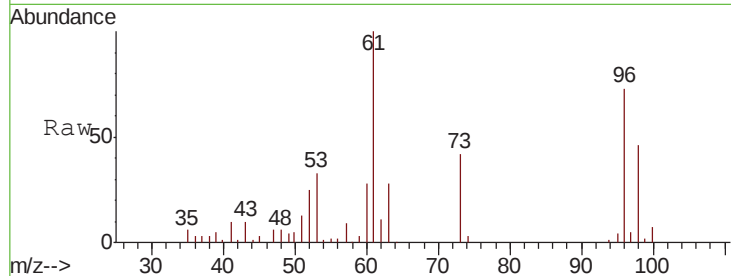
#21
trans-1,2-Dichloroethene
Concen: 19.476 ug/l
RT: 3.16 min Scan# 372
Delta R.T. 0.00 min
Lab File: VX013221.D
Acq: 25 Oct 2019 11:25

Instrument :
MSVOA_X
ClientSampleId :
VX1025WBS02

Tot Ion	96	Resp	27269
Ion	Ratio	Lower	Upper
96	100		
61	136.6	96.9	145.3
98	62.2	53.0	79.4

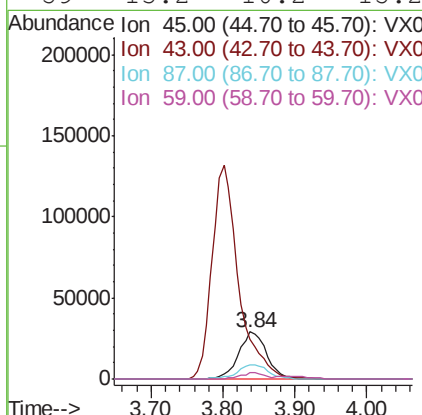
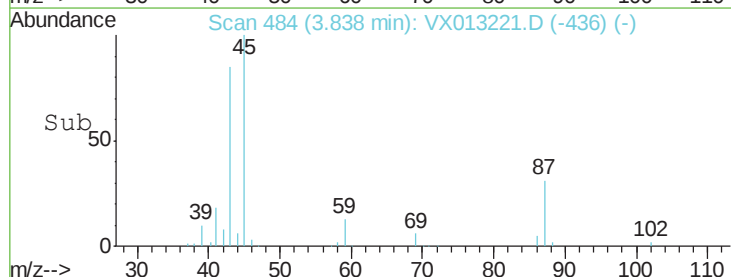
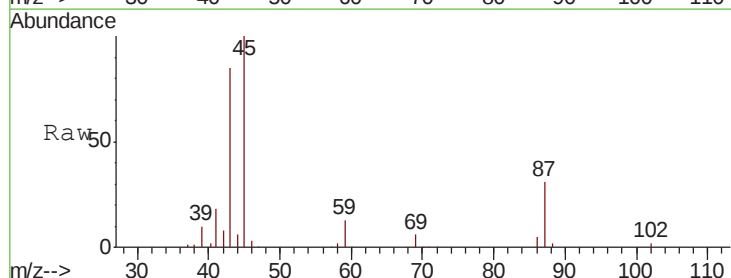
Manual Integrations
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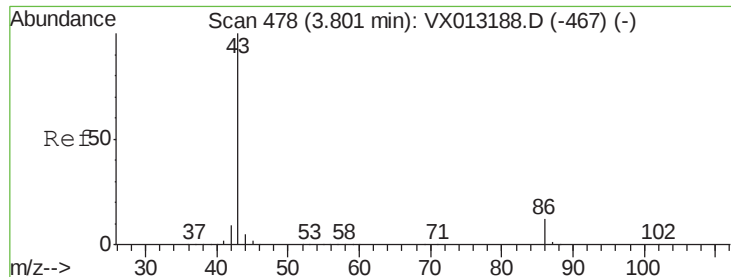
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11/4/2019 1:23:10 PM



#22
Diisopropyl ether
Concen: 18.670 ug/l
RT: 3.84 min Scan# 484
Delta R.T. -0.01 min
Lab File: VX013221.D
Acq: 25 Oct 2019 11:25

Tgt Ion	45	Resp	78520
Ion	Ratio	Lower	Upper
45	100		
43	83.9	55.5	83.3#
87	30.9	26.7	40.1
59	13.2	10.2	15.2





#23

Vinyl Acetate

Concen: 94.723 ug/l

RT: 3.80 min Scan# 478

Delta R.T. -0.00 min

Lab File: VX013221.D

Acq: 25 Oct 2019 11:25

Instrument :

MSVOA_X

ClientSampleId :

VX1025WBS02

Tot Ion: 43 Resp: 338596

Ion Ratio Lower Upper

43 100

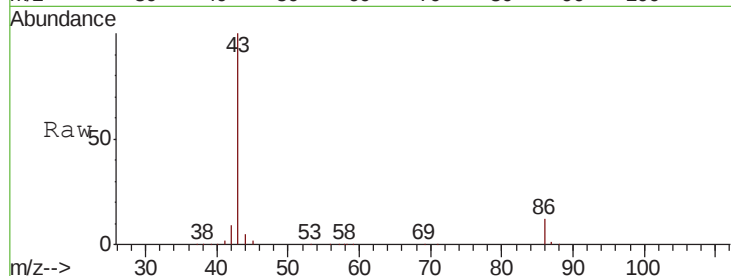
86 12.0 9.7 14.5

Manual Integrations

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MMDadoda

11/4/2019 1:23:10 PM



Abundance Ion 43.00 (42.70 to 43.70): VX0

Ion 86.00 (85.70 to 86.70): VX0

150000

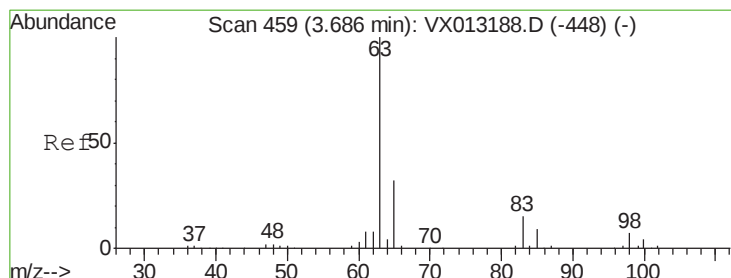
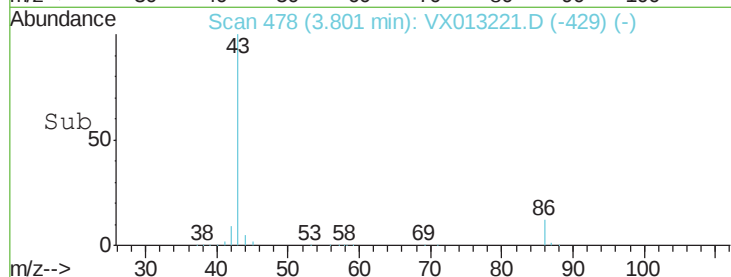
100000

50000

0

3.70 3.80 3.90 4.00

Time-->



#24

1,1-Dichloroethane

Concen: 18.756 ug/l

RT: 3.69 min Scan# 459

Delta R.T. -0.00 min

Lab File: VX013221.D

Acq: 25 Oct 2019 11:25

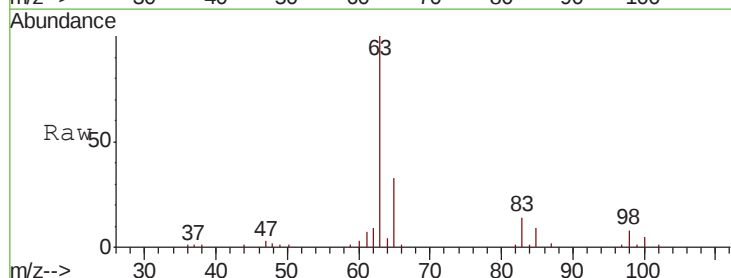
Tgt Ion: 63 Resp: 48518

Ion Ratio Lower Upper

63 100

98 7.9 3.8 11.2

100 4.8 2.2 6.6



Abundance Ion 62.90 (62.60 to 63.60): VX0

Ion 97.90 (97.60 to 98.60): VX0

Ion 99.90 (99.60 to 100.60): VX0

25000

20000

15000

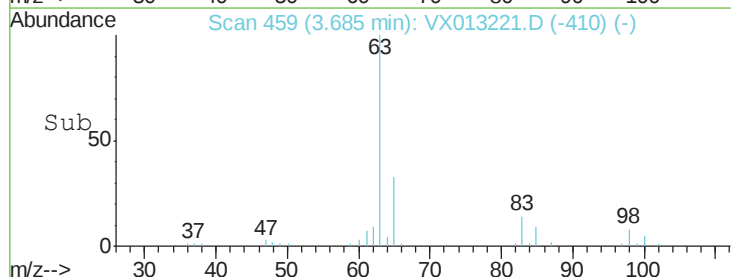
10000

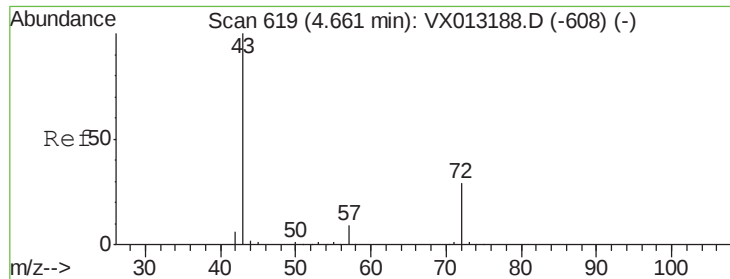
5000

0

3.60 3.70 3.80

Time-->





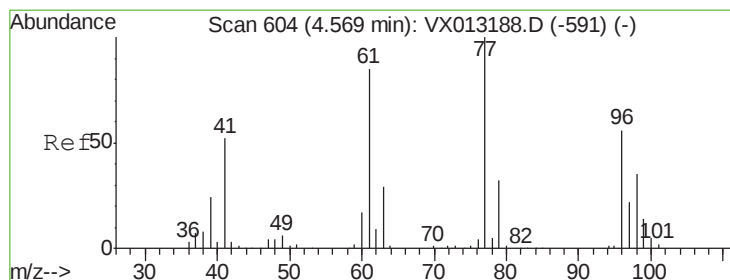
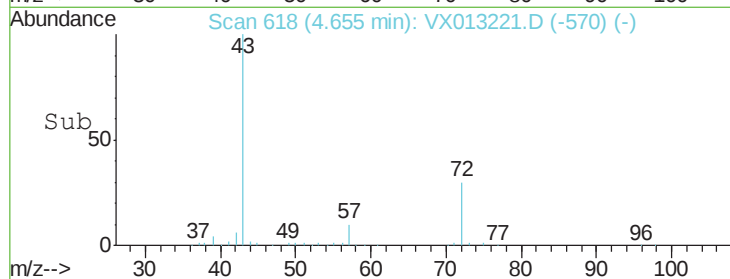
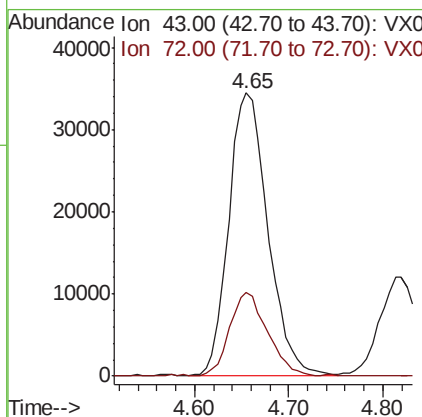
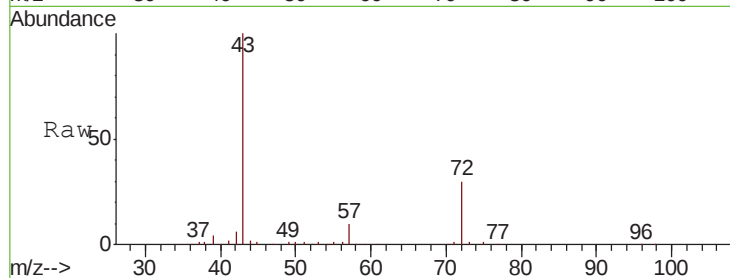
#25
2-Butanone
Concen: 93.362 ug/l
RT: 4.65 min Scan# 618
Delta R.T. -0.01 min
Lab File: VX013221.D
Acq: 25 Oct 2019 11:25

Instrument :
MSVOA_X
ClientSampleId :
VX1025WBS02

Tot Ion: 43 Resp: 98950
Ion Ratio Lower Upper
43 100
72 29.7 23.4 35.2

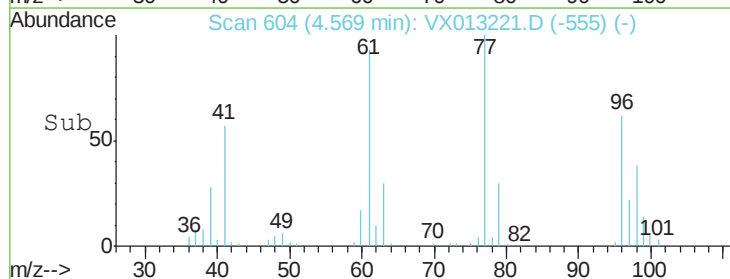
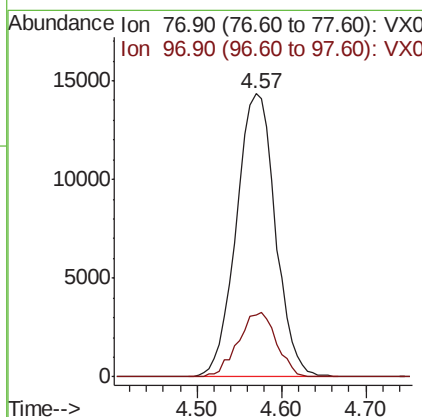
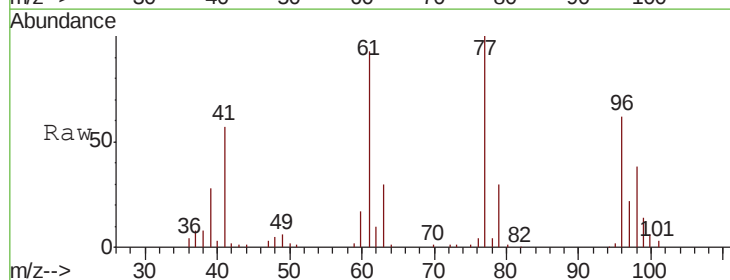
Manual Integrations
APPROVED

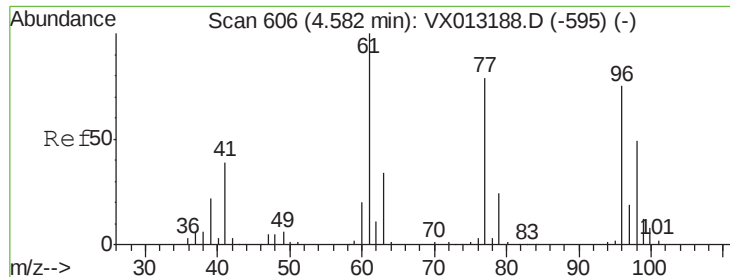
MMDadoda
11/4/2019 1:23:10 PM



#26
2,2-Dichloropropane
Concen: 18.842 ug/l
RT: 4.57 min Scan# 604
Delta R.T. -0.00 min
Lab File: VX013221.D
Acq: 25 Oct 2019 11:25

Tgt Ion: 77 Resp: 45047
Ion Ratio Lower Upper
77 100
97 22.4 10.9 32.6





#27

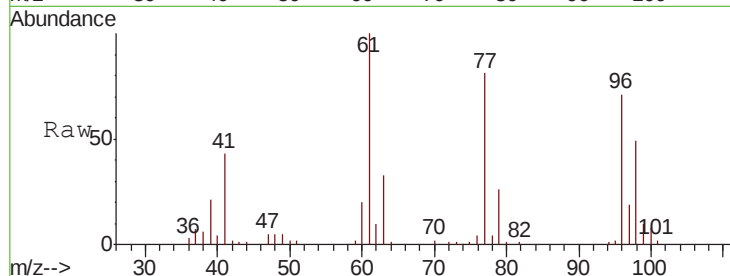
cis-1,2-Dichloroethene
Concen: 18.880 ug/l
RT: 4.58 min Scan# 606
Delta R.T. -0.00 min
Lab File: VX013221.D
Acq: 25 Oct 2019 11:25

Instrument :
MSVOA_X
ClientSampleId :
VX1025WBS02

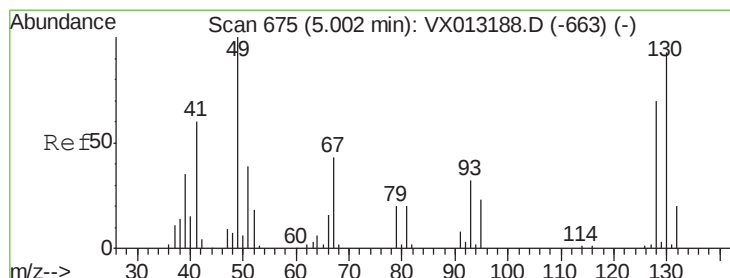
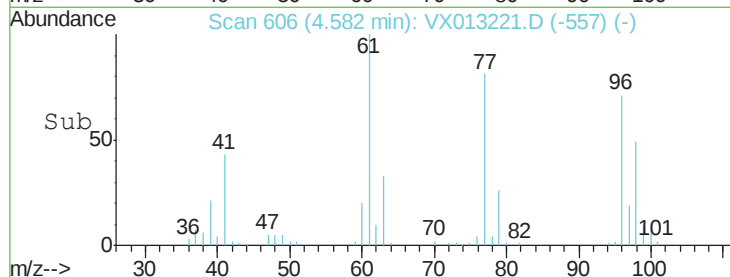
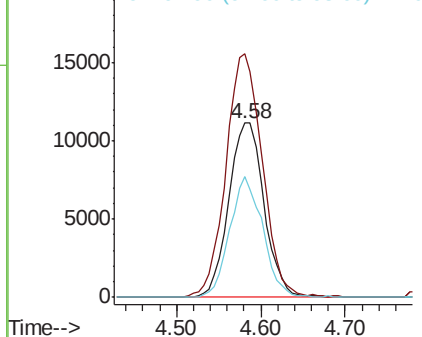
Tot Ion: 96 Resp: 31590
Ion Ratio Lower Upper
96 100
61 144.2 0.0 290.4
98 64.8 0.0 130.4

Manual Integrations
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11/4/2019 1:23:10 PM



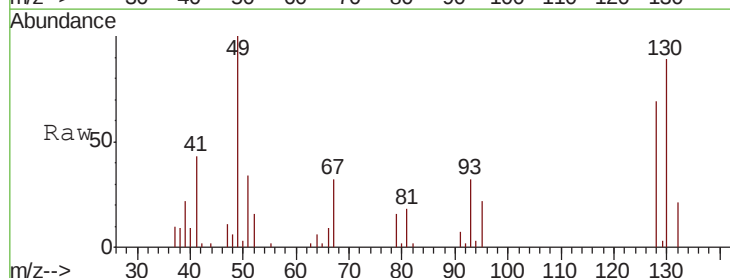
Abundance Ion 95.90 (95.60 to 96.60): VX0
Ion 60.90 (60.60 to 61.60): VX0
Ion 97.90 (97.60 to 98.60): VX0



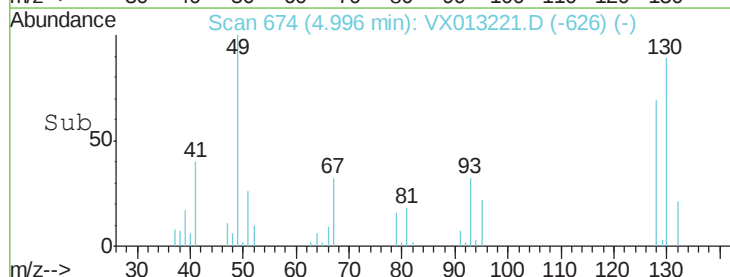
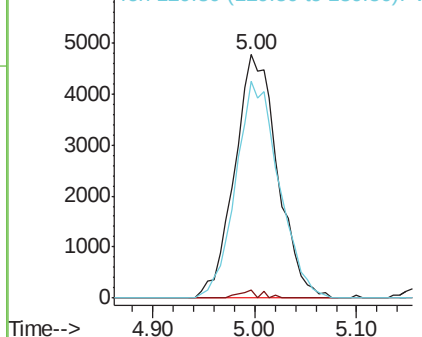
#28

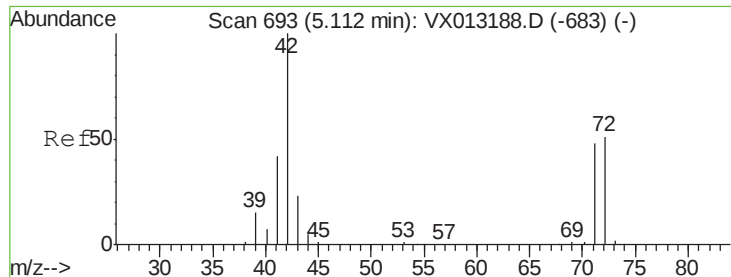
Bromochloromethane
Concen: 20.899 ug/l
RT: 5.00 min Scan# 674
Delta R.T. -0.01 min
Lab File: VX013221.D
Acq: 25 Oct 2019 11:25

Tgt Ion: 49 Resp: 13940
Ion Ratio Lower Upper
49 100
129 1.6 0.0 4.8
130 89.7 71.8 107.8



Abundance Ion 48.90 (48.60 to 49.60): VX0
Ion 128.80 (128.50 to 129.50): V
Ion 129.80 (129.50 to 130.50): V





#29

Tetrahydrofuran

Concen: 91.504 ug/l

RT: 5.11 min Scan# 693

Delta R.T. -0.00 min

Lab File: VX013221.D

Acq: 25 Oct 2019 11:25

Instrument :

MSVOA_X

ClientSampleId :

VX1025WBS02

Tot Ion: 42 Resp: 58457

Ion Ratio Lower Upper

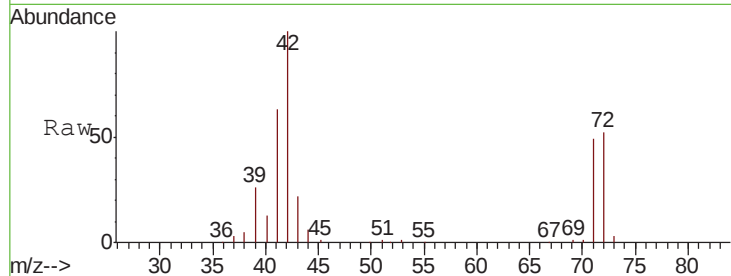
42 100

72 50.5 40.9 61.3

71 47.6 38.6 57.8

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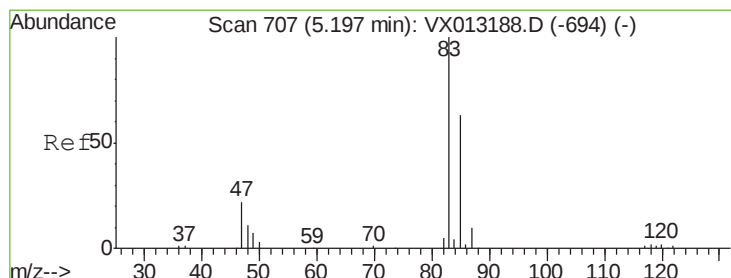
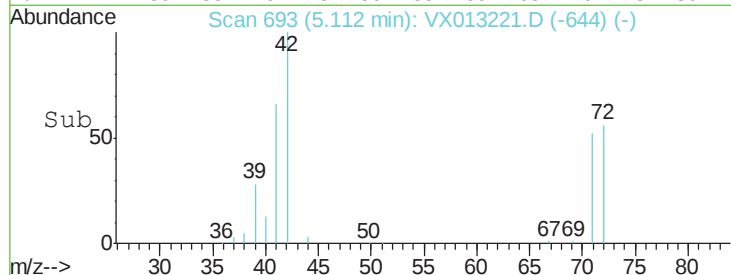
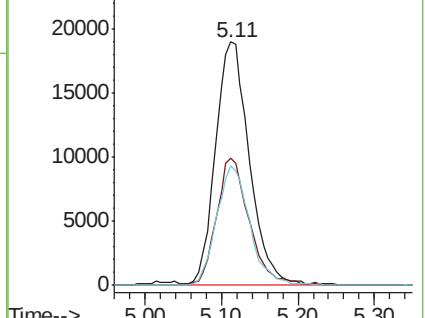
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Abundance Ion 42.00 (41.70 to 42.70): VX0

Ion 72.00 (71.70 to 72.70): VX0

Ion 71.00 (70.70 to 71.70): VX0



#30

Chloroform

Concen: 19.069 ug/l

RT: 5.19 min Scan# 706

Delta R.T. -0.01 min

Lab File: VX013221.D

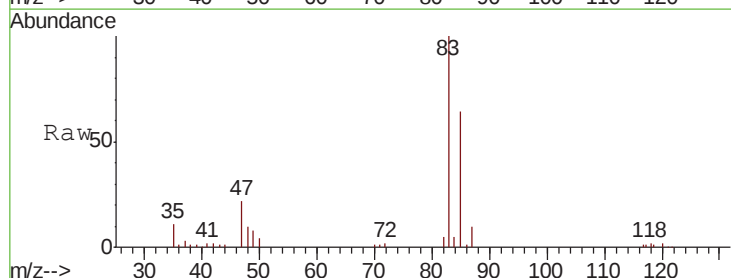
Acq: 25 Oct 2019 11:25

Tgt Ion: 83 Resp: 52521

Ion Ratio Lower Upper

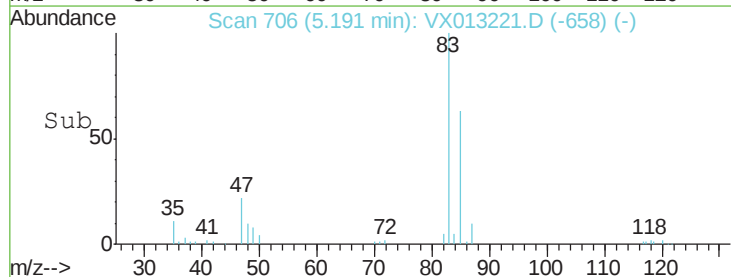
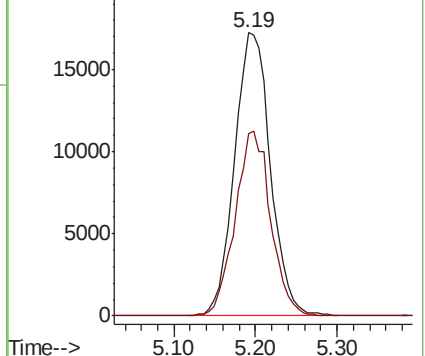
83 100

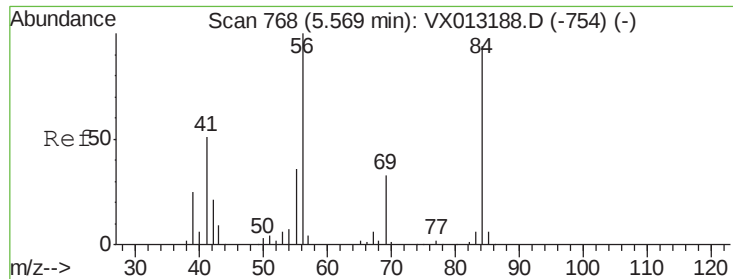
85 64.5 50.1 75.1



Abundance Ion 82.90 (82.60 to 83.60): VX0

Ion 84.90 (84.60 to 85.60): VX0





#31

Cyclohexane

Concen: 18.436 ug/l

RT: 5.57 min Scan# 768

Delta R.T. -0.00 min

Lab File: VX013221.D

Acq: 25 Oct 2019 11:25

Instrument :

MSVOA_X

ClientSampleId :

VX1025WBS02

Tot Ion: 56 Resp: 39995

Ion Ratio Lower Upper

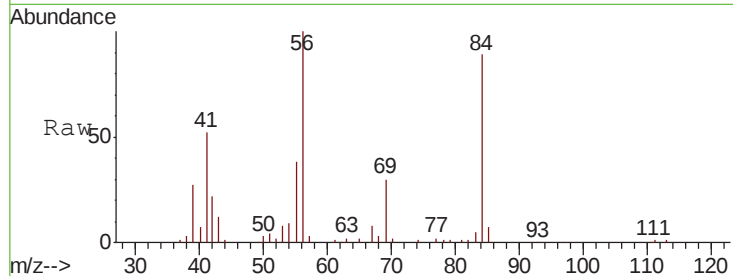
56 100

69 30.3 26.3 39.5

84 87.7 73.8 110.6

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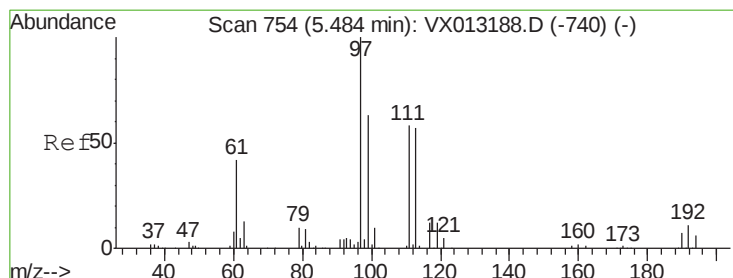
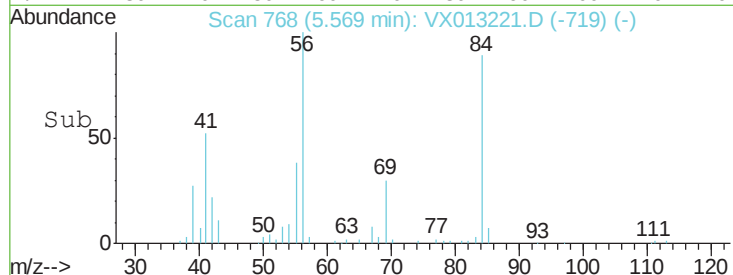
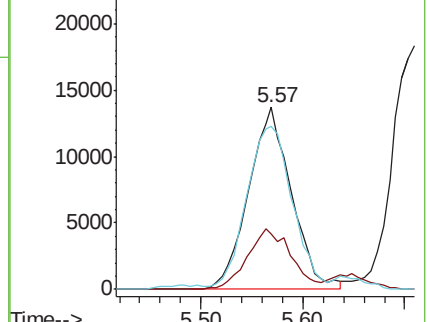
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Abundance Ion 56.00 (55.70 to 56.70): VX013188.D (-754) (-)

Ion 69.00 (68.70 to 69.70): VX013188.D (-754) (-)

Ion 84.00 (83.70 to 84.70): VX013188.D (-754) (-)



#32

1,1,1-Trichloroethane

Concen: 19.738 ug/l

RT: 5.48 min Scan# 754

Delta R.T. -0.00 min

Lab File: VX013221.D

Acq: 25 Oct 2019 11:25

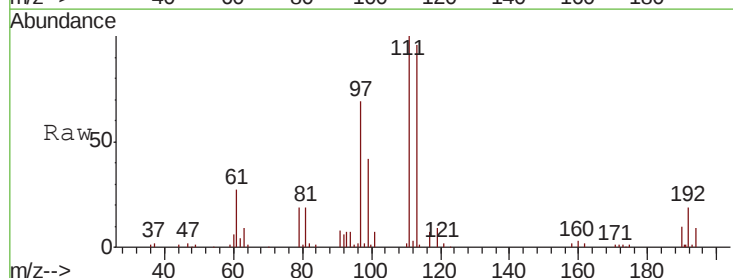
Tgt Ion: 97 Resp: 48336

Ion Ratio Lower Upper

97 100

99 66.0 50.8 76.2

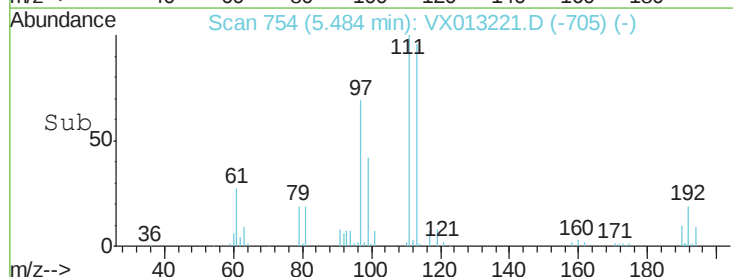
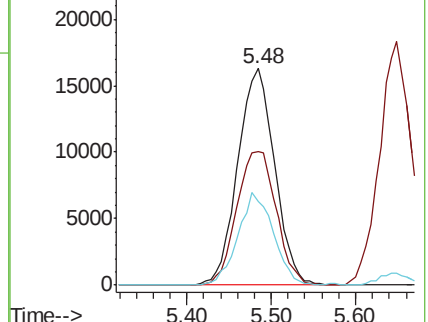
61 40.9 32.8 49.2

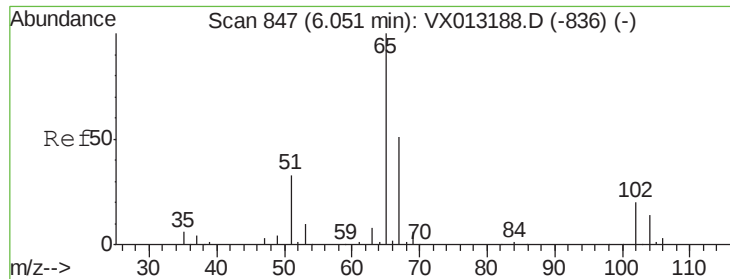


Abundance Ion 96.90 (96.60 to 97.60): VX013188.D (-740) (-)

Ion 98.90 (98.60 to 99.60): VX013188.D (-740) (-)

Ion 60.90 (60.60 to 61.60): VX013188.D (-740) (-)





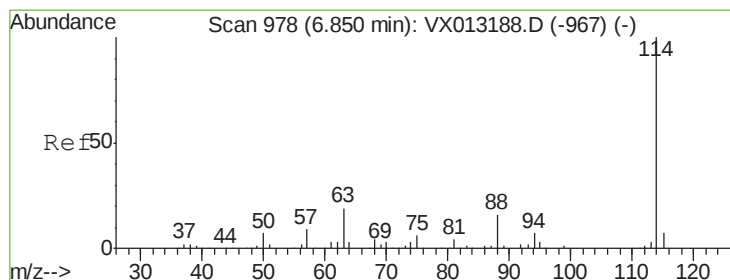
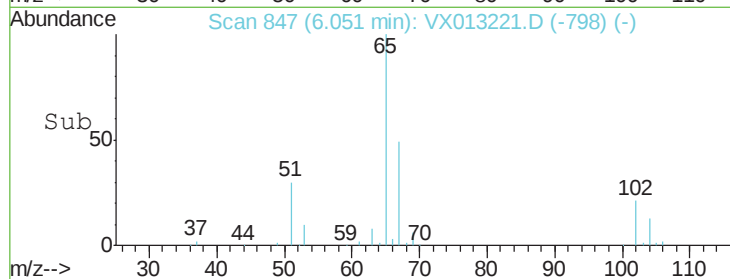
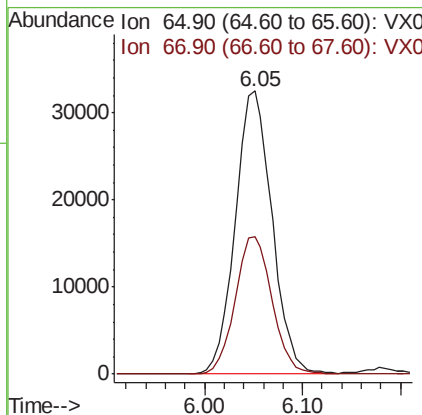
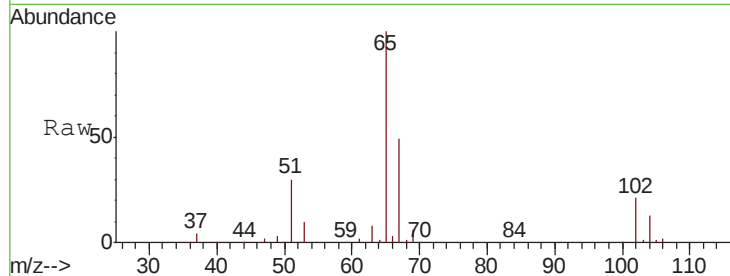
#33
 1,2-Dichloroethane-d4
 Concen: 50.458 ug/l
 RT: 6.05 min Scan# 847
 Delta R.T. -0.00 min
 Lab File: VX013221.D
 Acq: 25 Oct 2019 11:25

Instrument :
 MSVOA_X
 ClientSampleId :
 VX1025WBS02

Tot Ion: 65 Resp: 84642
 Ion Ratio Lower Upper
 65 100
 67 48.7 0.0 102.6

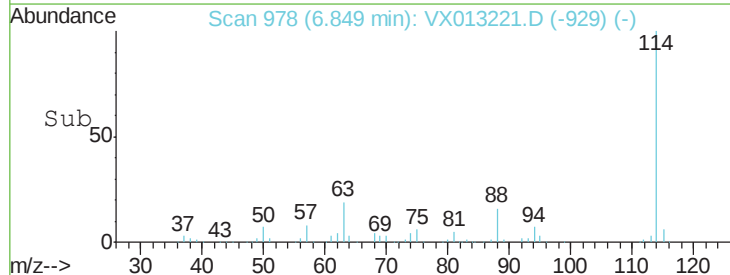
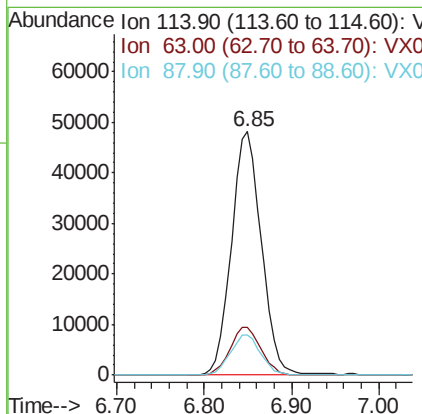
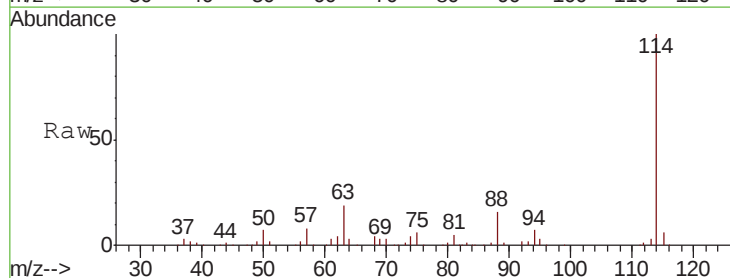
Manual Integrations
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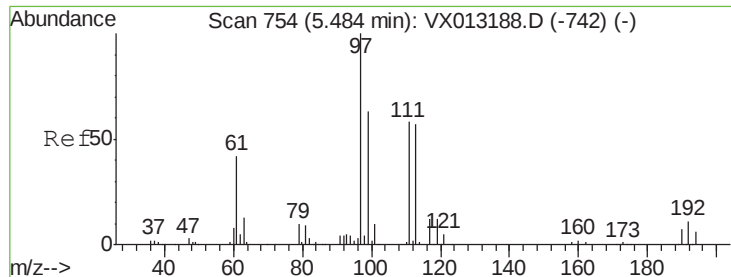
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#34
 1,4-Difluorobenzene
 Concen: 50.000 ug/l
 RT: 6.85 min Scan# 978
 Delta R.T. -0.00 min
 Lab File: VX013221.D
 Acq: 25 Oct 2019 11:25

Tgt Ion: 114 Resp: 114824
 Ion Ratio Lower Upper
 114 100
 63 19.5 0.0 39.0
 88 16.3 0.0 32.0





#35

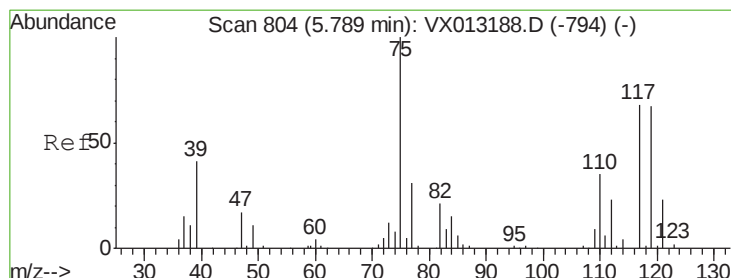
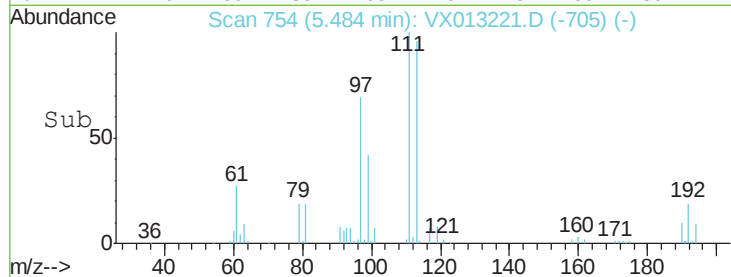
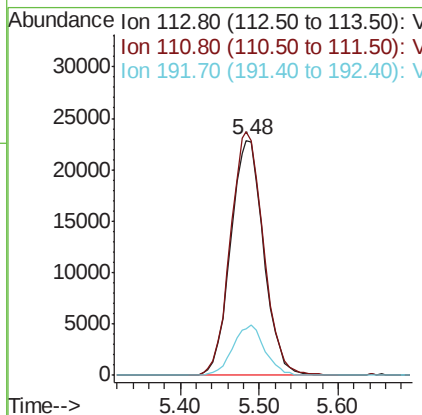
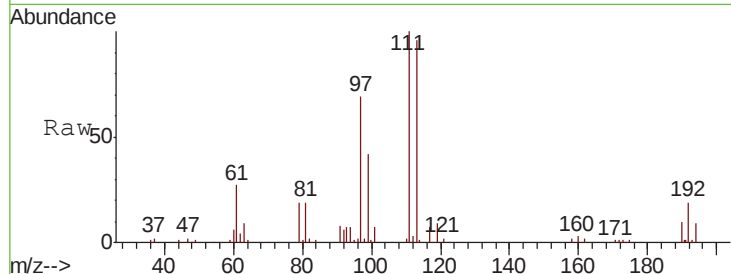
Dibromofluoromethane
Concen: 51.635 ug/l
RT: 5.48 min Scan# 754
Delta R.T. -0.00 min
Lab File: VX013221.D
Acq: 25 Oct 2019 11:25

Instrument :
MSVOA_X
ClientSampleId :
VX1025WBS02

Tot Ion	Ratio	Lower	Upper
113	100		
111	103.9	80.3	120.5
192	20.6	15.9	23.9

Manual Integrations
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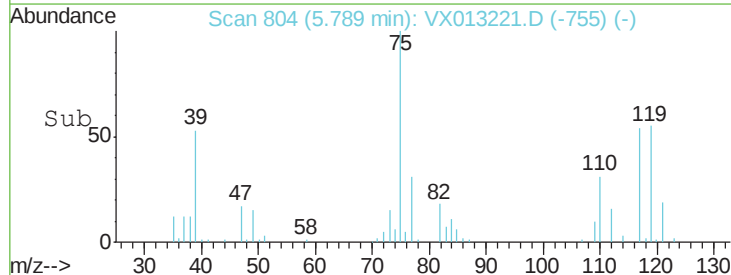
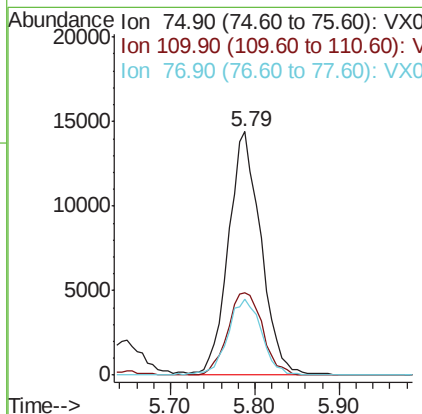
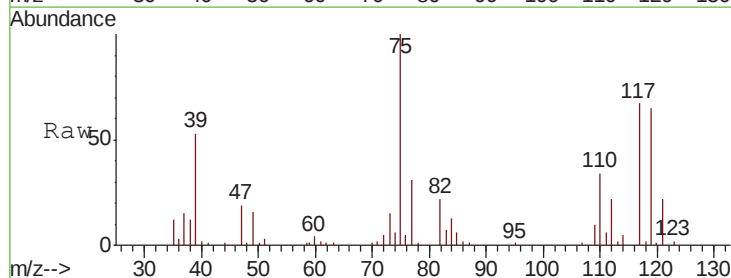
MMDadoda
11/4/2019 1:23:10 PM

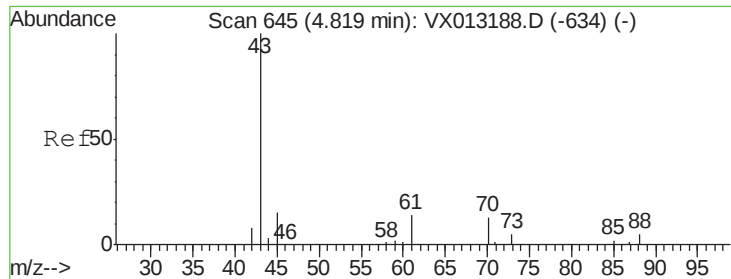


#36

1,1-Dichloropropene
Concen: 19.655 ug/l
RT: 5.79 min Scan# 804
Delta R.T. 0.00 min
Lab File: VX013221.D
Acq: 25 Oct 2019 11:25

Tgt Ion	Ratio	Lower	Upper
75	100		
110	35.8	17.6	52.9
77	32.1	24.7	37.1





#37

Ethyl Acetate

Concen: 18.410 ug/l

RT: 4.81 min Scan# 644

Delta R.T. -0.01 min

Lab File: VX013221.D

Acq: 25 Oct 2019 11:25

Instrument :

MSVOA_X

ClientSampleId :

VX1025WBS02

Tot Ion: 43 Resp: 35226

Ion Ratio Lower Upper

43 100

61 15.1 12.1 18.1

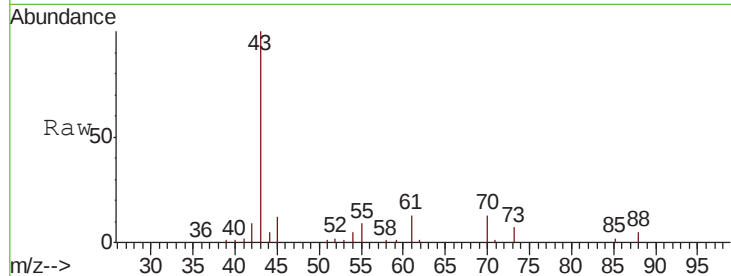
70 13.2 10.4 15.6

Manual Integrations

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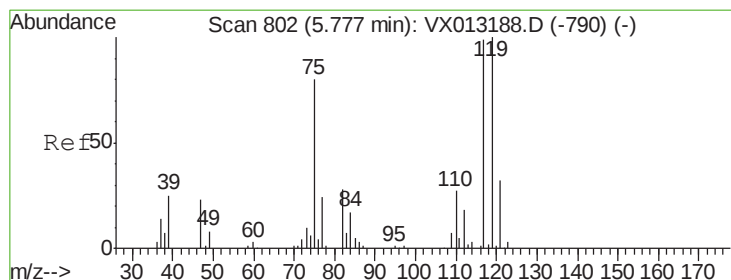
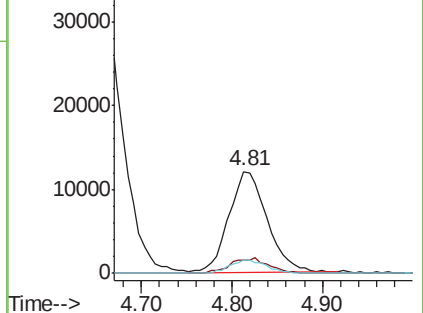
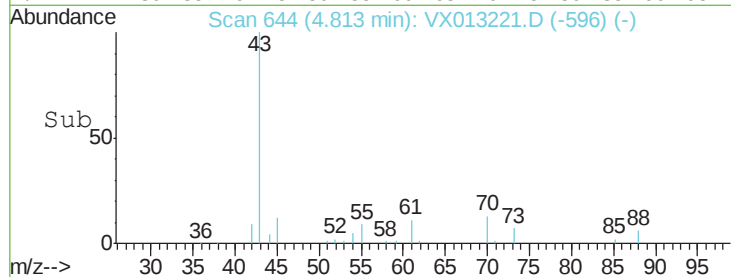
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Abundance Ion 43.00 (42.70 to 43.70): VX013188.D (-634) (-)

Ion 60.90 (60.60 to 61.60): VX013188.D (-634) (-)

Ion 70.00 (69.70 to 70.70): VX013188.D (-634) (-)



#38

Carbon Tetrachloride

Concen: 18.904 ug/l

RT: 5.78 min Scan# 802

Delta R.T. -0.00 min

Lab File: VX013221.D

Acq: 25 Oct 2019 11:25

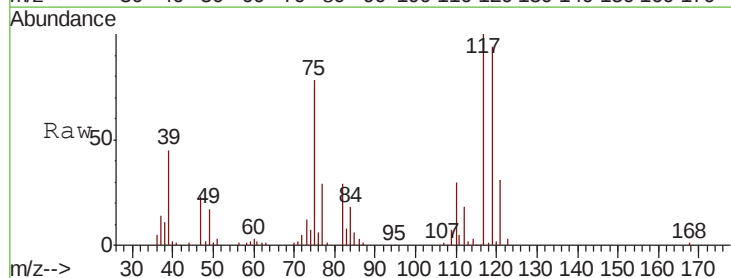
Tgt Ion: 117 Resp: 40121

Ion Ratio Lower Upper

117 100

119 94.1 80.1 120.1

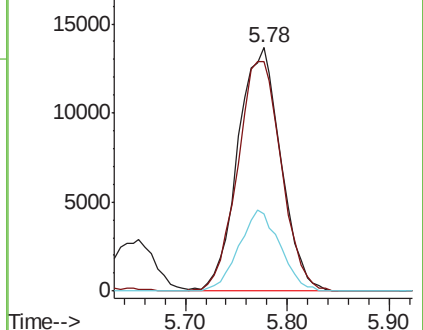
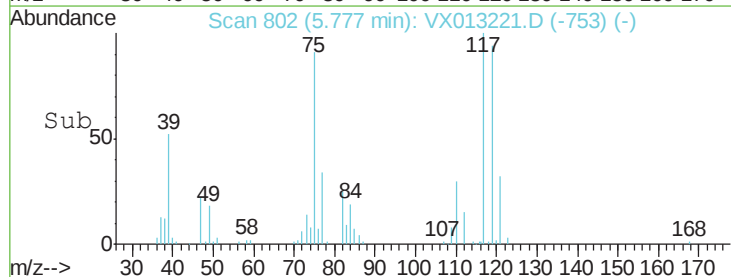
121 31.5 25.5 38.3

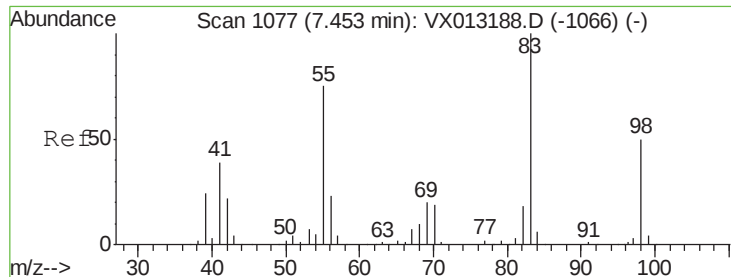


Abundance Ion 116.80 (116.50 to 117.50): VX013188.D (-790) (-)

Ion 118.80 (118.50 to 119.50): VX013188.D (-790) (-)

Ion 120.80 (120.50 to 121.50): VX013188.D (-790) (-)





#39

Methylvlcvclohexane

Concen: 18.479 ug/l

RT: 7.45 min Scan# 1077

Delta R.T. -0.00 min

Lab File: VX013221.D

Acq: 25 Oct 2019 11:25

Instrument :

MSVOA_X

ClientSampleId :

VX1025WBS02

Tot Ion: 83 Resp: 45425

Ion Ratio Lower Upper

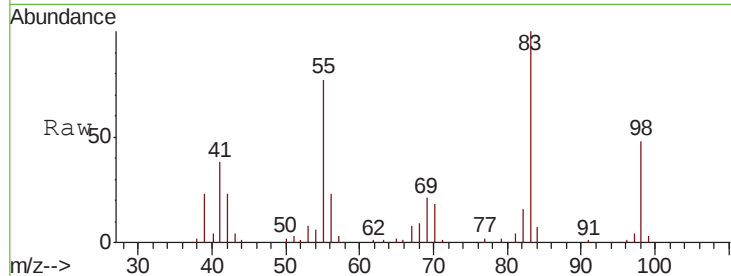
83 100

55 76.5 60.1 90.1

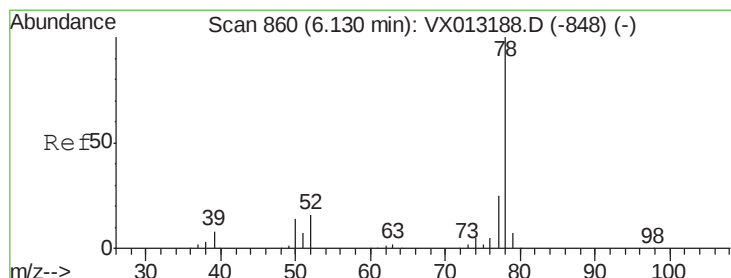
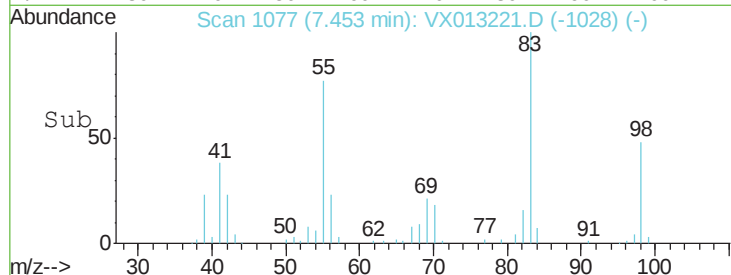
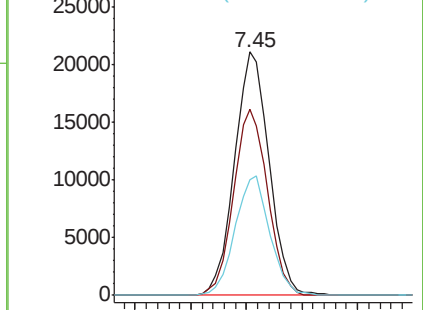
98 47.7 39.8 59.8

Manual Integrations
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Abundance Ion 83.00 (82.70 to 83.70): VX0
Ion 55.00 (54.70 to 55.70): VX0
Ion 98.00 (97.70 to 98.70): VX0



#40

Benzene

Concen: 19.033 ug/l

RT: 6.14 min Scan# 861

Delta R.T. 0.01 min

Lab File: VX013221.D

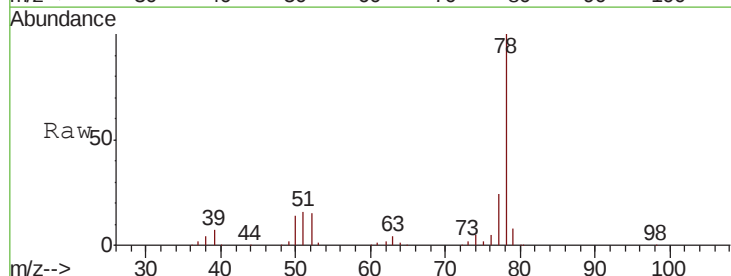
Acq: 25 Oct 2019 11:25

Tgt Ion: 78 Resp: 109774

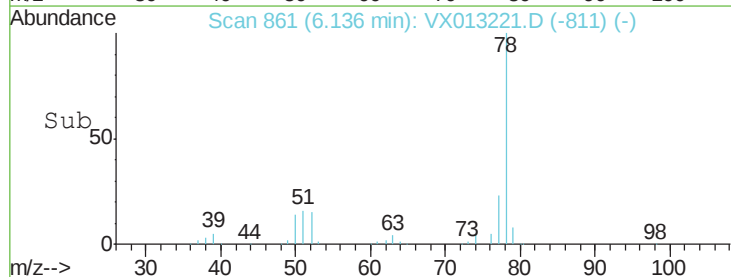
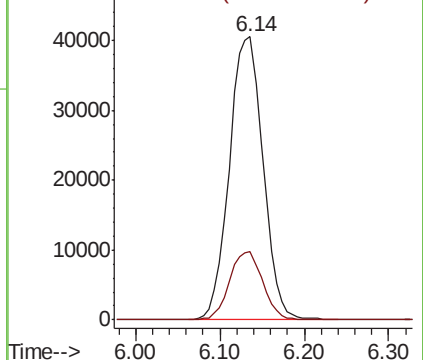
Ion Ratio Lower Upper

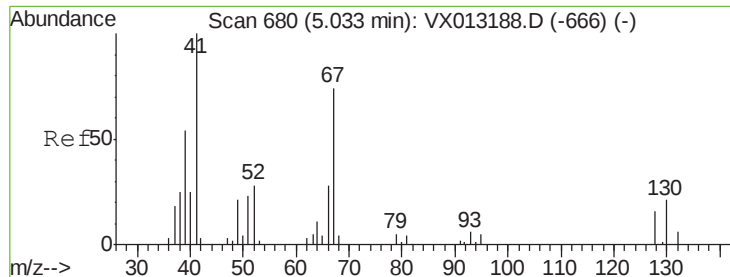
78 100

77 24.1 19.6 29.4



Abundance Ion 78.00 (77.70 to 78.70): VX0
Ion 77.00 (76.70 to 77.70): VX0





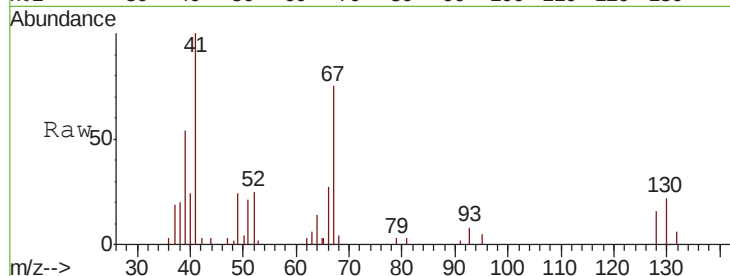
#41
Methacrylonitrile
Concen: 19.599 ug/l
RT: 5.03 min Scan# 680
Delta R.T. -0.00 min
Lab File: VX013221.D
Acq: 25 Oct 2019 11:25

Instrument :
MSVOA_X
ClientSampleId :
VX1025WBS02

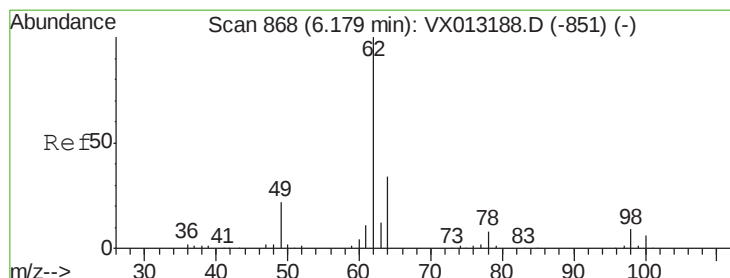
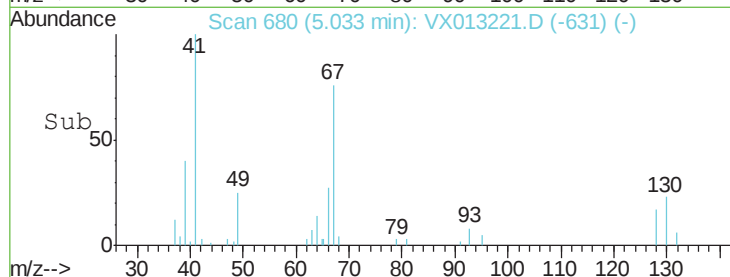
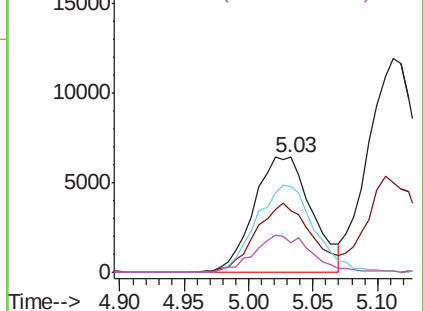
Tot Ion: 41 Resp: 20106
Ion Ratio Lower Upper
41 100
39 57.4 45.2 67.8
67 75.8 61.3 91.9
52 31.4 25.1 37.7

Manual Integrations
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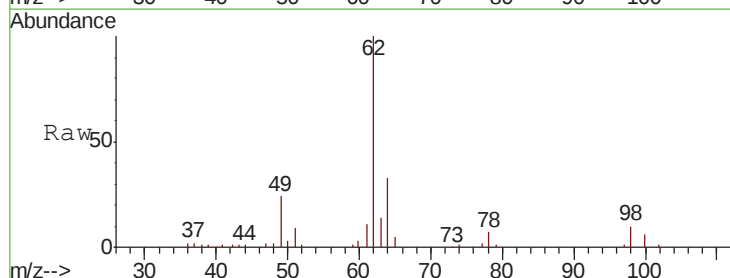


Abundance Ion 41.00 (40.70 to 41.70): VX0
Ion 39.00 (38.70 to 39.70): VX0
Ion 67.00 (66.70 to 67.70): VX0
Ion 52.00 (51.70 to 52.70): VX0

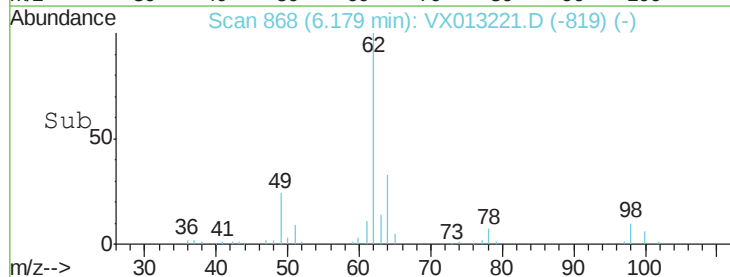
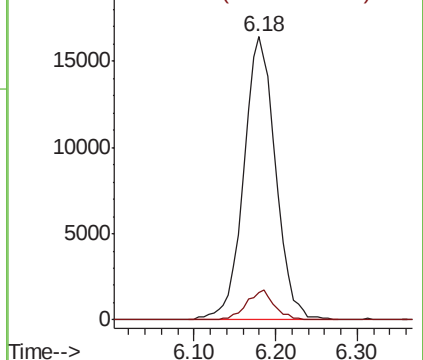


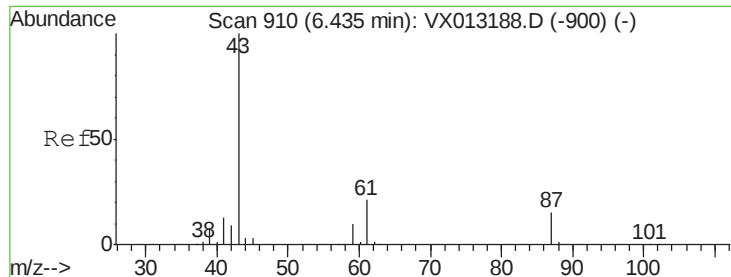
#42
1,2-Dichloroethane
Concen: 20.506 ug/l
RT: 6.18 min Scan# 868
Delta R.T. -0.00 min
Lab File: VX013221.D
Acq: 25 Oct 2019 11:25

Tgt Ion: 62 Resp: 44590
Ion Ratio Lower Upper
62 100
98 9.2 0.0 18.4



Abundance Ion 61.90 (61.60 to 62.60): VX0
Ion 97.90 (97.60 to 98.60): VX0





#43

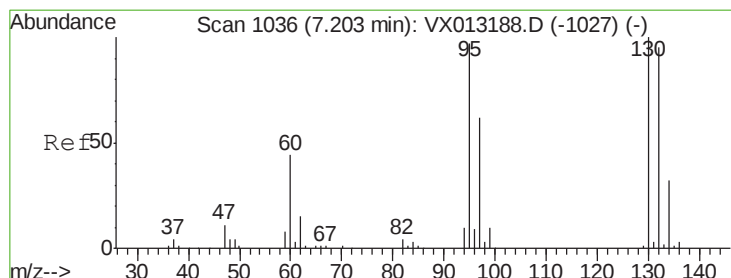
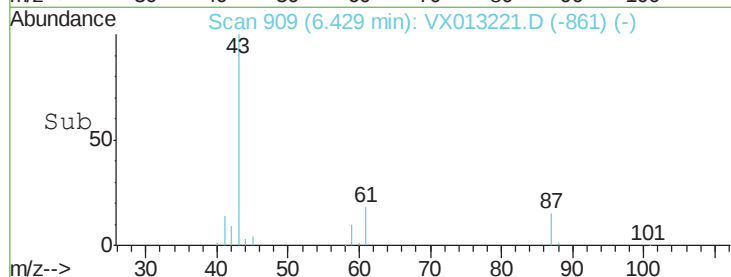
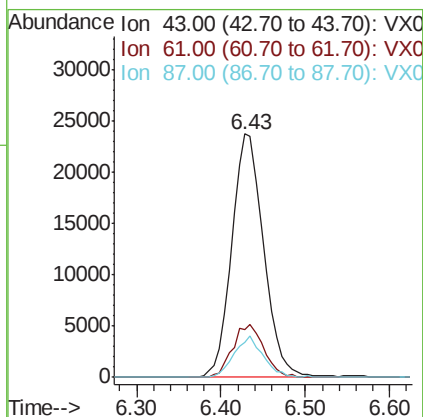
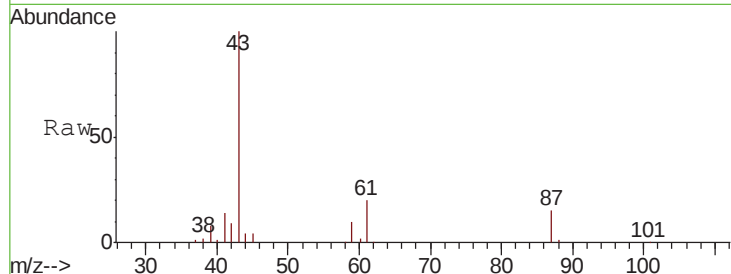
Isopropyl Acetate
 Concen: 19.099 ug/l
 RT: 6.43 min Scan# 909
 Delta R.T. -0.01 min
 Lab File: VX013221.D
 Acq: 25 Oct 2019 11:25

Instrument :
 MSVOA_X
 ClientSampleId :
 VX1025WBS02

Tot Ion	43	Resp	60677
Ion Ratio	Lower	Upper	
43	100		
61	21.2	17.0	25.4
87	15.3	12.1	18.1

Manual Integrations
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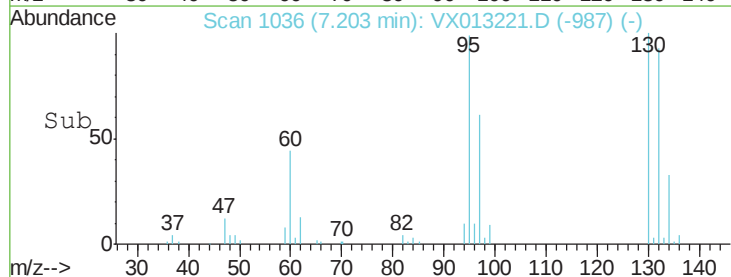
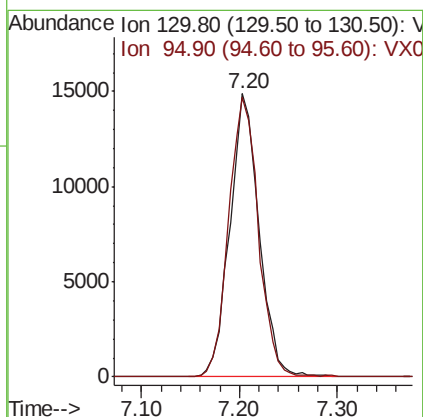
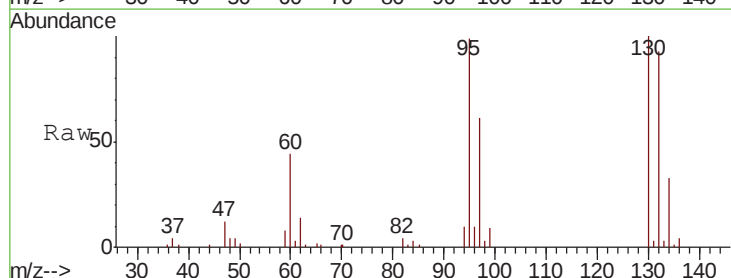
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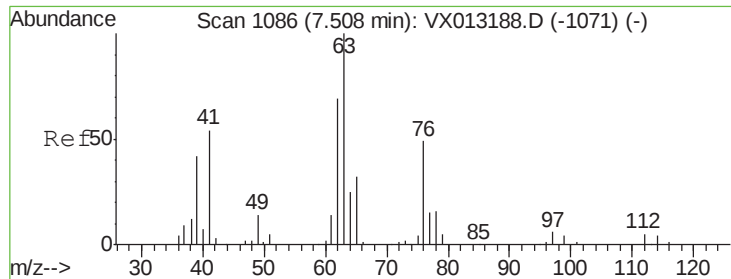


#44

Trichloroethene
 Concen: 18.881 ug/l
 RT: 7.20 min Scan# 1036
 Delta R.T. -0.00 min
 Lab File: VX013221.D
 Acq: 25 Oct 2019 11:25

Tgt Ion	130	Resp	30906
Ion Ratio	Lower	Upper	
130	100		
95	98.5	0.0	193.6





#45

1,2-Dichloropropane

Concen: 18.845 ug/l

RT: 7.51 min Scan# 1086

Delta R.T. -0.00 min

Lab File: VX013221.D

Acq: 25 Oct 2019 11:25

Instrument :

MSVOA_X

ClientSampleId :

VX1025WBS02

Tot Ion: 63 Resp: 27222

Ion Ratio Lower Upper

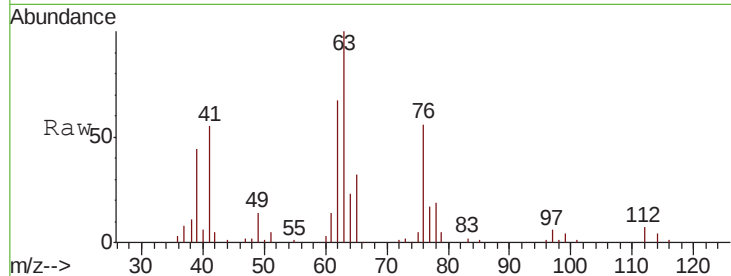
63 100

65 31.9 25.3 37.9

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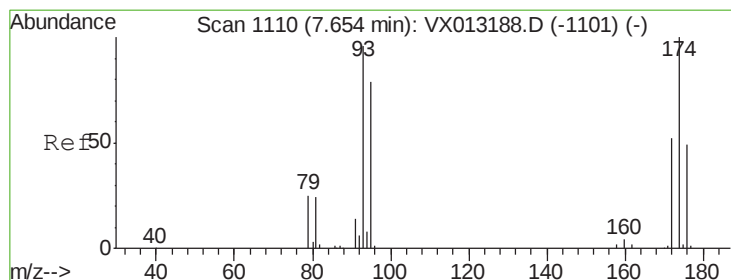
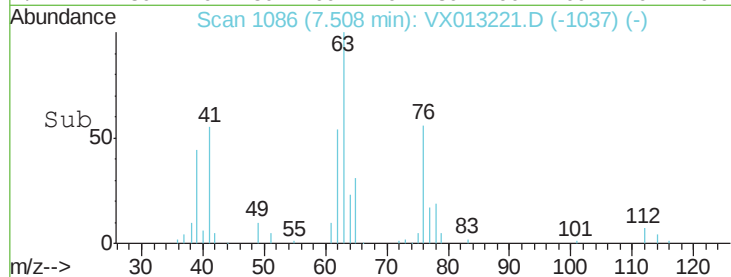
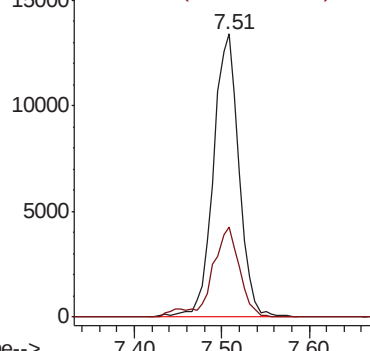
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Abundance Ion 62.90 (62.60 to 63.60): VX0

Ion 64.90 (64.60 to 65.60): VX0



#46

Dibromomethane

Concen: 18.691 ug/l

RT: 7.65 min Scan# 1110

Delta R.T. -0.00 min

Lab File: VX013221.D

Acq: 25 Oct 2019 11:25

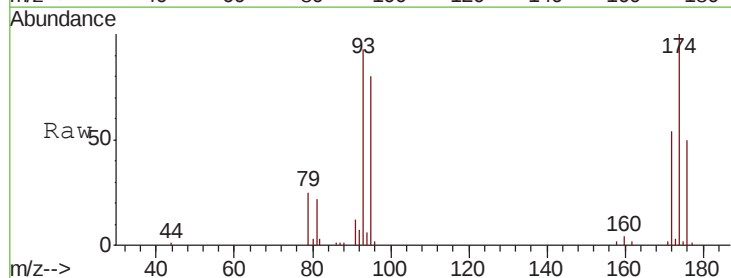
Tgt Ion: 93 Resp: 19453

Ion Ratio Lower Upper

93 100

95 83.6 66.2 99.4

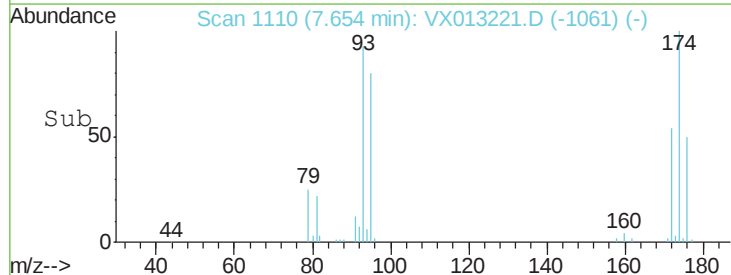
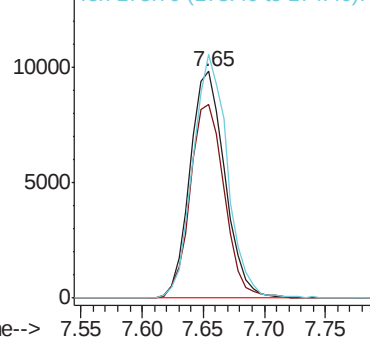
174 106.5 85.2 127.8

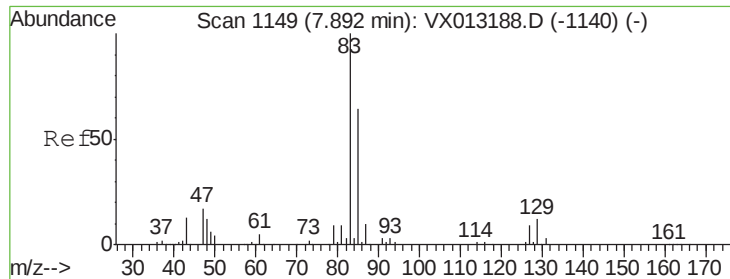


Abundance Ion 92.80 (92.50 to 93.50): VX0

Ion 94.80 (94.50 to 95.50): VX0

Ion 173.70 (173.40 to 174.40): V





#47

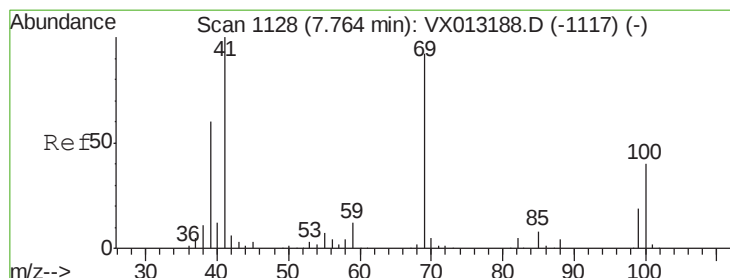
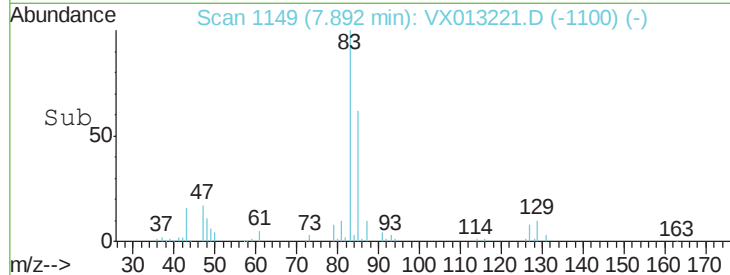
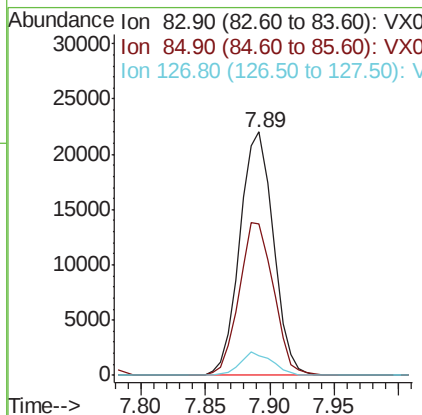
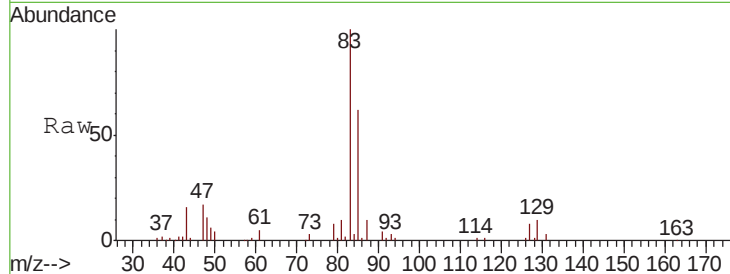
Bromodichloromethane
 Concen: 19.582 ug/l
 RT: 7.89 min Scan# 1149
 Delta R.T. -0.00 min
 Lab File: VX013221.D
 Acq: 25 Oct 2019 11:25

Instrument :
 MSVOA_X
 ClientSampleId :
 VX1025WBS02

Tot Ion	83	Resp	39716
Ion	Ratio	Lower	Upper
83	100		
85	62.3	51.0	76.6
127	8.1	7.2	10.8

Manual Integrations
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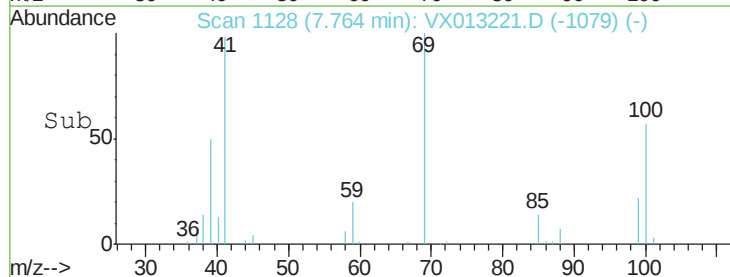
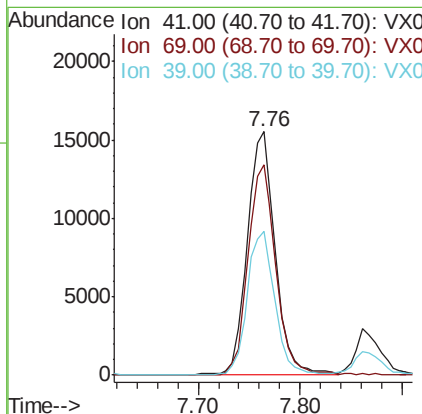
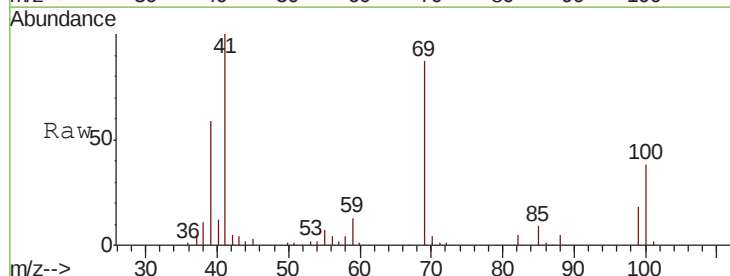
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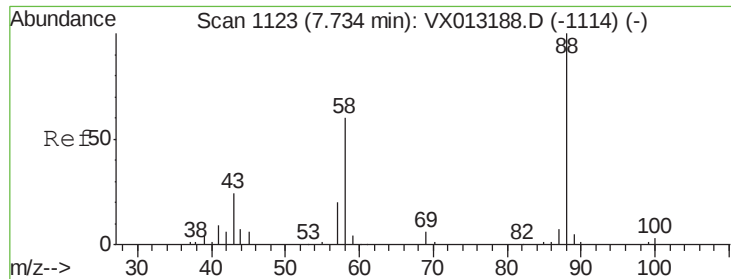


#48

Methyl methacrylate
 Concen: 18.927 ug/l
 RT: 7.76 min Scan# 1128
 Delta R.T. -0.00 min
 Lab File: VX013221.D
 Acq: 25 Oct 2019 11:25

Tgt Ion	41	Resp	29719
Ion	Ratio	Lower	Upper
41	100		
69	86.2	72.0	108.0
39	58.6	47.4	71.0





#49

1,4-Dioxane

Concen: 379.570 ug/l

RT: 7.73 min Scan# 1123

Delta R.T. -0.00 min

Lab File: VX013221.D

Acq: 25 Oct 2019 11:25

Instrument :

MSVOA_X

ClientSampleId :

VX1025WBS02

Tot Ion: 88 Resp: 15169

Ion Ratio Lower Upper

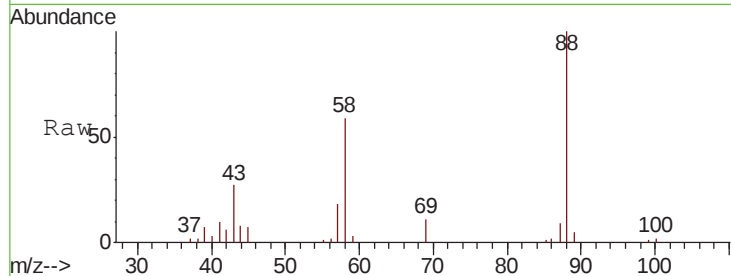
88 100

43 32.4 24.5 36.7

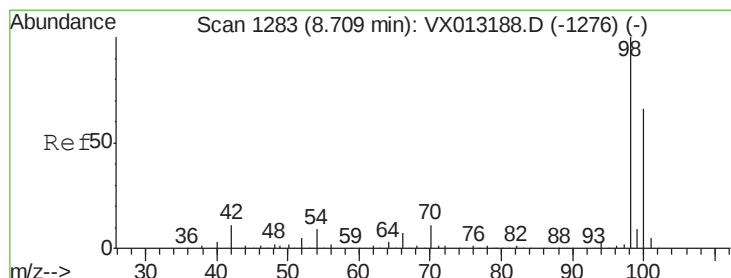
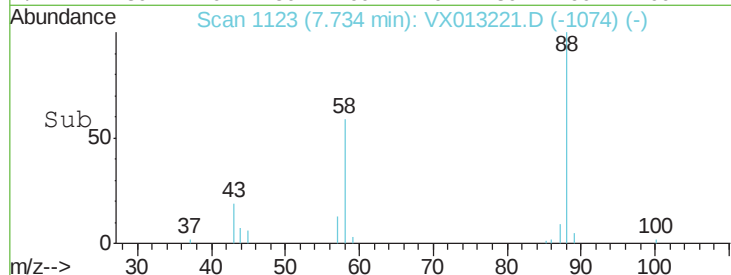
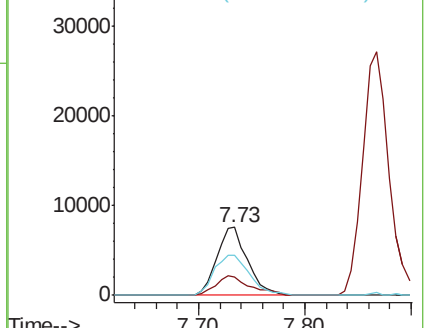
58 68.6 54.1 81.1

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Abundance Ion 88.00 (87.70 to 88.70): VX0
Ion 43.00 (42.70 to 43.70): VX0
Ion 58.00 (57.70 to 58.70): VX0



#50

Toluene-d8

Concen: 50.823 ug/l

RT: 8.71 min Scan# 1283

Delta R.T. -0.00 min

Lab File: VX013221.D

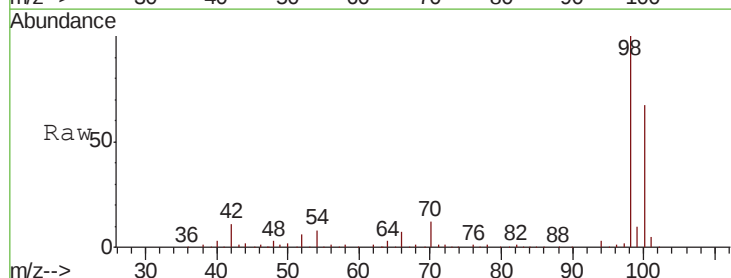
Acq: 25 Oct 2019 11:25

Tgt Ion: 98 Resp: 241165

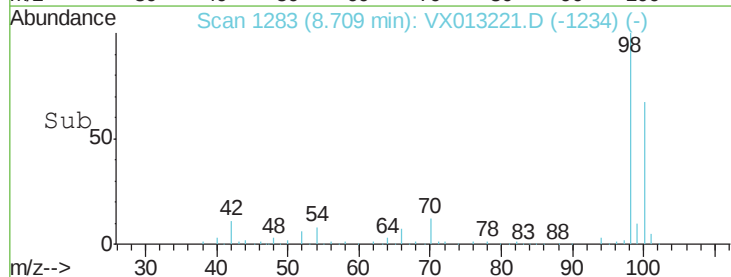
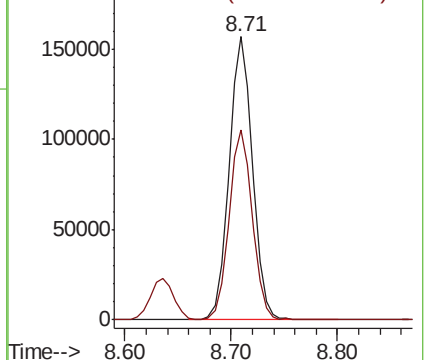
Ion Ratio Lower Upper

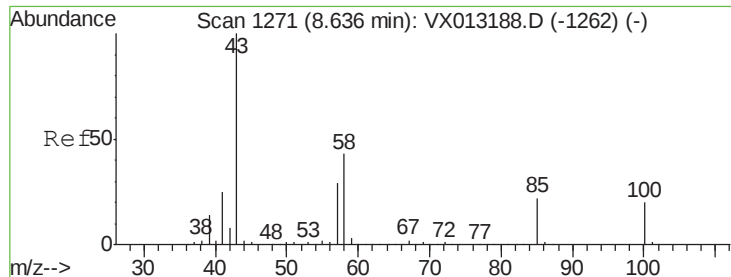
98 100

100 66.6 53.3 79.9



Abundance Ion 98.00 (97.70 to 98.70): VX0
Ion 100.00 (99.70 to 100.70): VX0





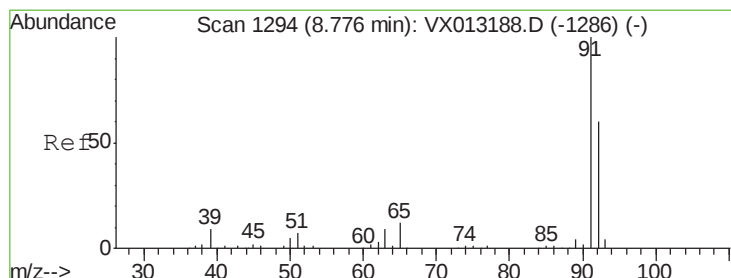
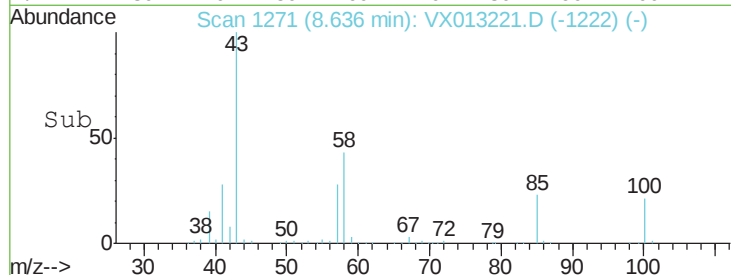
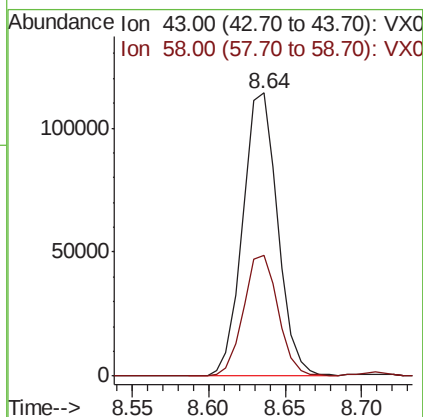
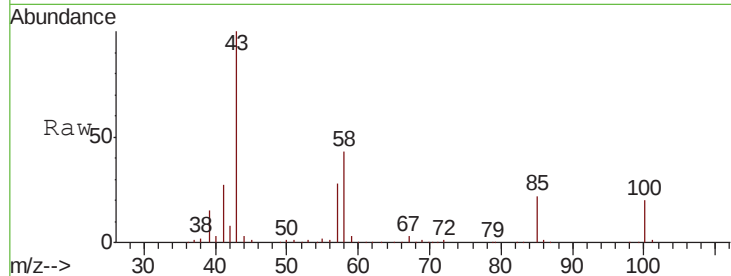
#51
4-Methyl-2-Pentanone
Concen: 93.854 ug/l
RT: 8.64 min Scan# 1271
Delta R.T. -0.00 min
Lab File: VX013221.D
Acq: 25 Oct 2019 11:25

Instrument :
MSVOA_X
ClientSampled :
VX1025WBS02

Tot Ion: 43 Resp: 181742
Ion Ratio Lower Upper
43 100
58 42.4 33.9 50.9

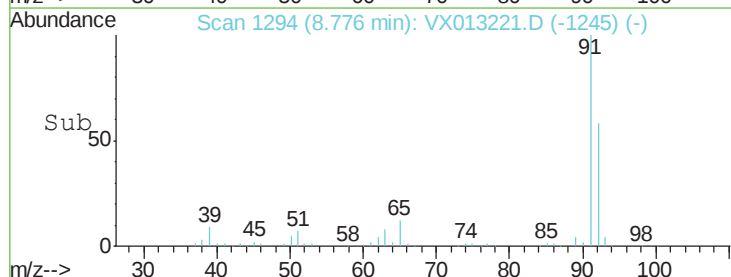
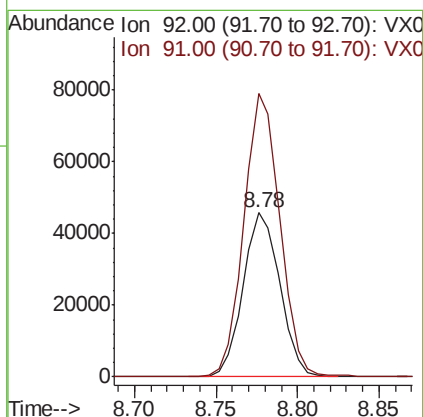
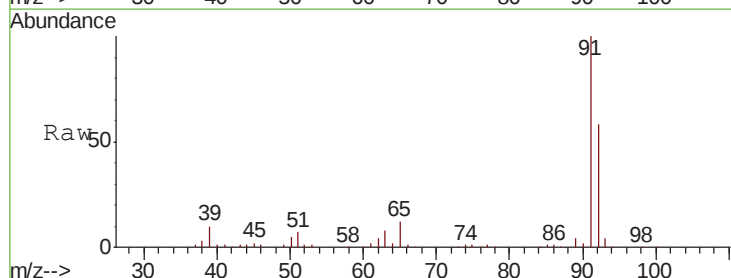
Manual Integrations
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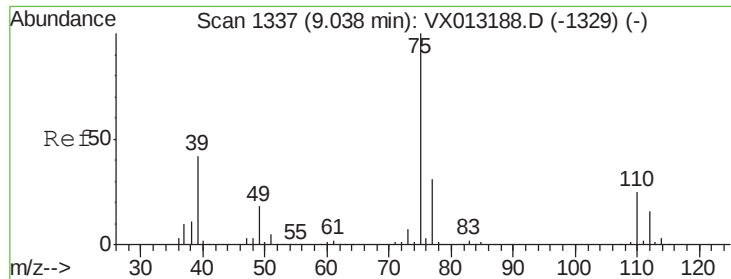
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11/4/2019 1:23:10 PM



#52
Toluene
Concen: 18.860 ug/l
RT: 8.78 min Scan# 1294
Delta R.T. -0.00 min
Lab File: VX013221.D
Acq: 25 Oct 2019 11:25

Tgt Ion: 92 Resp: 72085
Ion Ratio Lower Upper
92 100
91 169.5 133.9 200.9





#53

t-1,3-Dichloropropene

Concen: 19.111 ug/l

RT: 9.03 min Scan# 1336

Delta R.T. -0.01 min

Lab File: VX013221.D

Acq: 25 Oct 2019 11:25

Instrument :

MSVOA_X

ClientSampleId :

VX1025WBS02

Tot Ion: 75 Resp: 41190

Ion Ratio Lower Upper

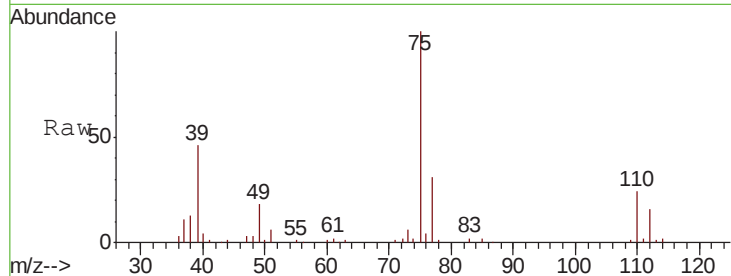
75 100

77 30.8 24.7 37.1

Manual Integrations
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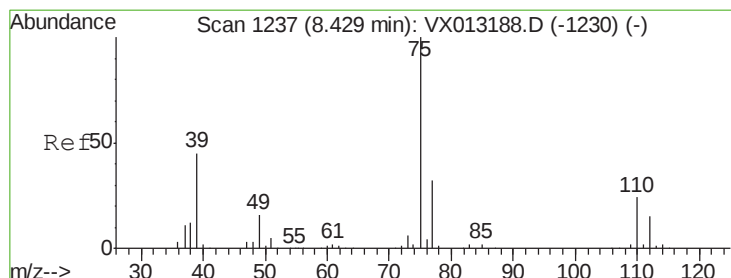
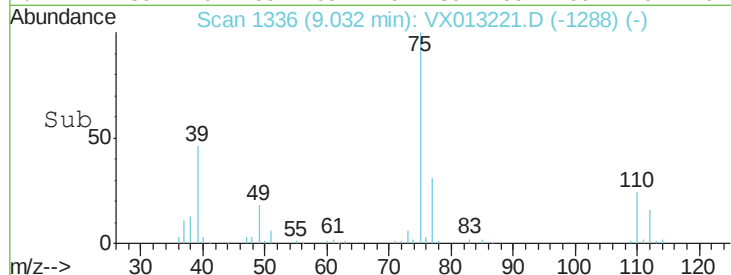
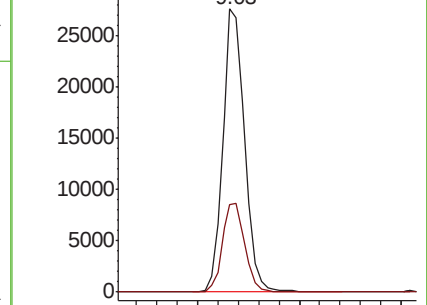
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Abundance Ion 74.90 (74.60 to 75.60): VX0

Ion 76.90 (76.60 to 77.60): VX0



#54

cis-1,3-Dichloropropene

Concen: 19.665 ug/l

RT: 8.43 min Scan# 1237

Delta R.T. -0.00 min

Lab File: VX013221.D

Acq: 25 Oct 2019 11:25

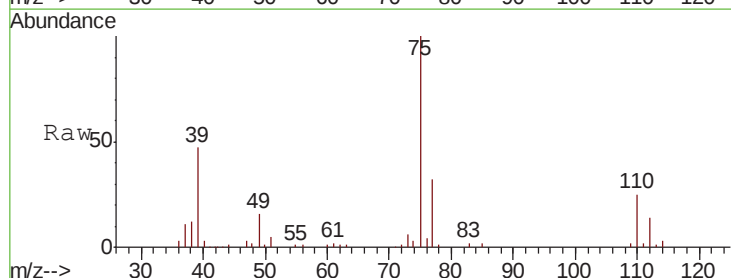
Tgt Ion: 75 Resp: 46367

Ion Ratio Lower Upper

75 100

77 31.9 25.4 38.0

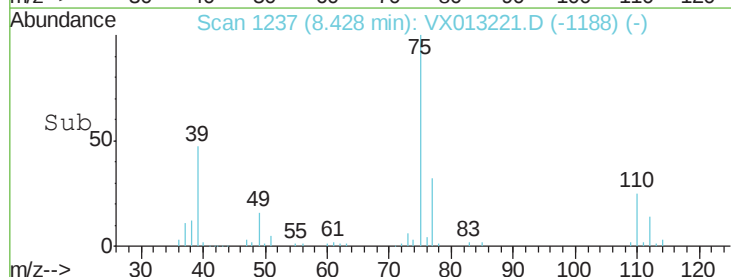
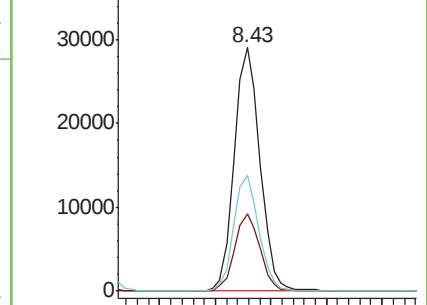
39 47.4 36.2 54.4

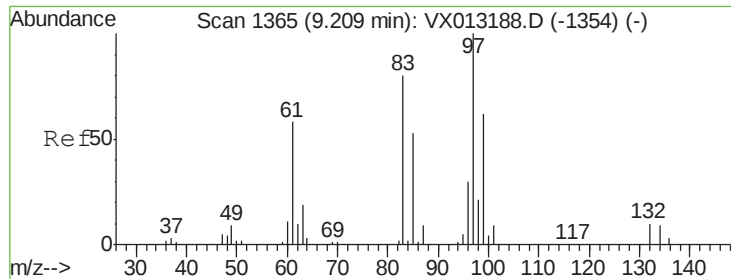


Abundance Ion 74.90 (74.60 to 75.60): VX0

Ion 76.90 (76.60 to 77.60): VX0

Ion 39.00 (38.70 to 39.70): VX0





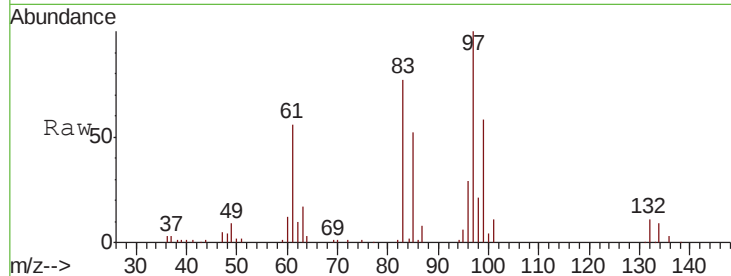
#55
1,1,2-Trichloroethane
Concen: 19.768 ug/l
RT: 9.21 min Scan# 1365
Delta R.T. -0.00 min
Lab File: VX013221.D
Acq: 25 Oct 2019 11:25

Instrument :
MSVOA_X
ClientSampleId :
VX1025WBS02

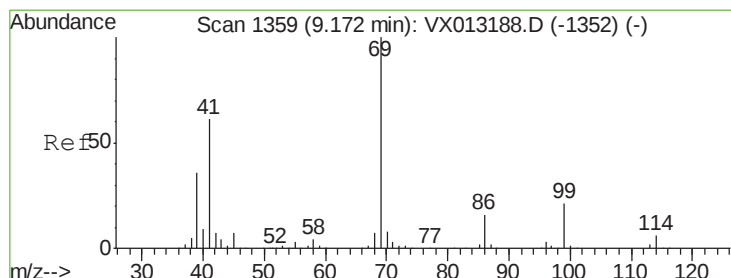
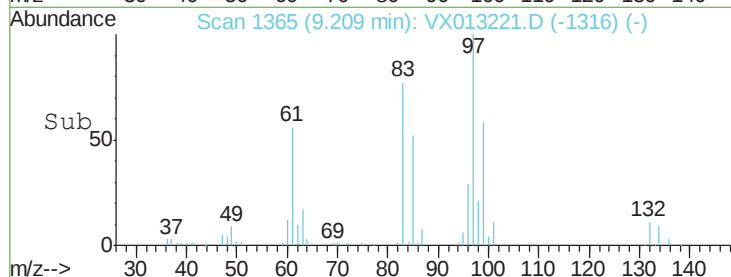
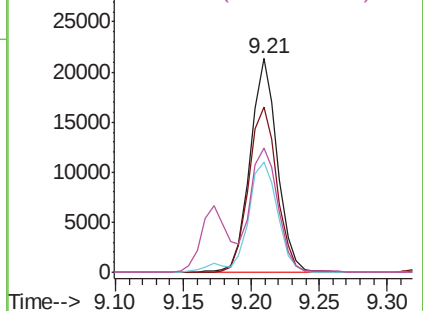
Tot Ion:	97	Resp:	29872
Ion	Ratio	Lower	Upper
97	100		
83	77.3	64.1	96.1
85	51.5	42.1	63.1
99	57.8	49.4	74.2

Manual Integrations
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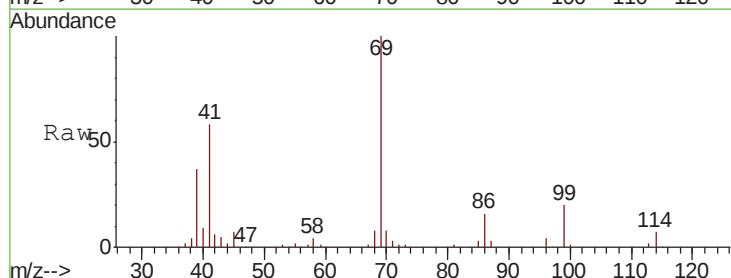


Abundance Ion 96.90 (96.60 to 97.60): VX0
Ion 82.90 (82.60 to 83.60): VX0
Ion 84.90 (84.60 to 85.60): VX0
Ion 98.90 (98.60 to 99.60): VX0

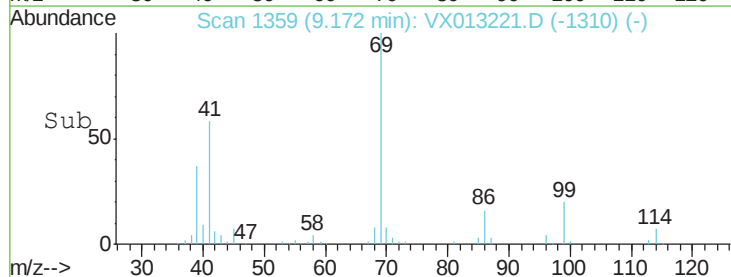
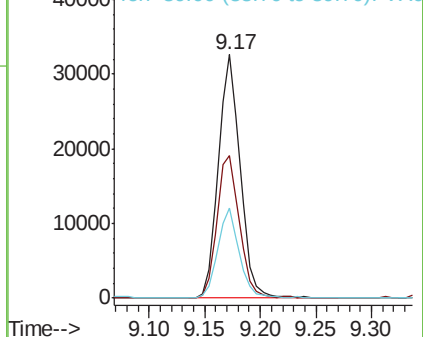


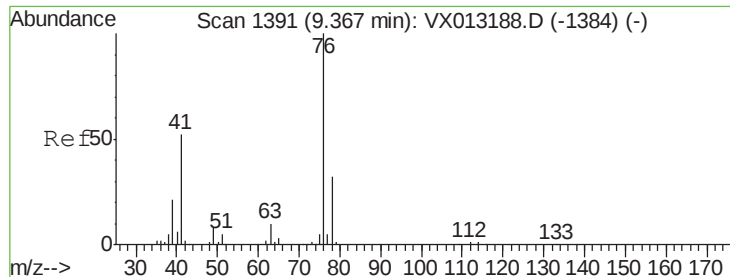
#56
Ethyl methacrylate
Concen: 19.509 ug/l
RT: 9.17 min Scan# 1359
Delta R.T. -0.00 min
Lab File: VX013221.D
Acq: 25 Oct 2019 11:25

Tgt Ion:	69	Resp:	44371
Ion	Ratio	Lower	Upper
69	100		
41	60.1	49.5	74.3
39	36.5	28.3	42.5



Abundance Ion 69.00 (68.70 to 69.70): VX0
Ion 41.00 (40.70 to 41.70): VX0
Ion 39.00 (38.70 to 39.70): VX0





#57

1,3-Dichloropropane

Concen: 19.549 ug/l

RT: 9.37 min Scan# 1391

Delta R.T. -0.00 min

Lab File: VX013221.D

Acq: 25 Oct 2019 11:25

Instrument :

MSVOA_X

ClientSampleId :

VX1025WBS02

Tot Ion: 76 Resp: 49845

Ion Ratio Lower Upper

76 100

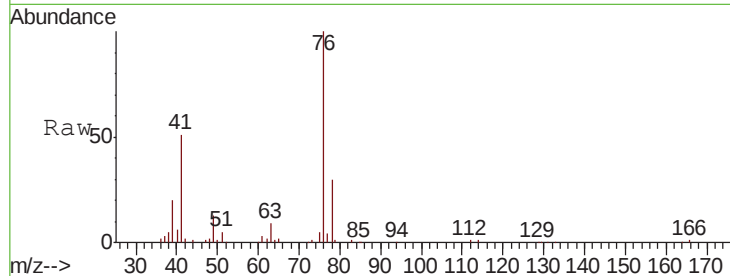
78 32.3 26.1 39.1

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Abundance Ion 75.90 (75.60 to 76.60): VX0

Ion 77.90 (77.60 to 78.60): VX0

9.37

40000

30000

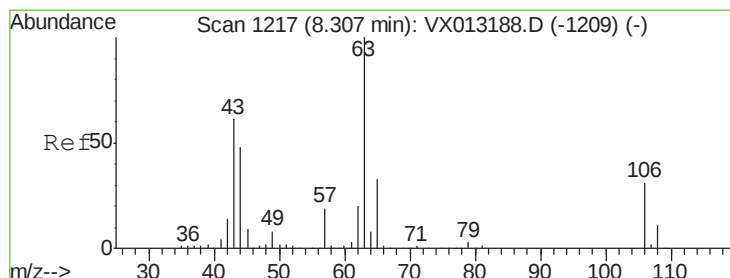
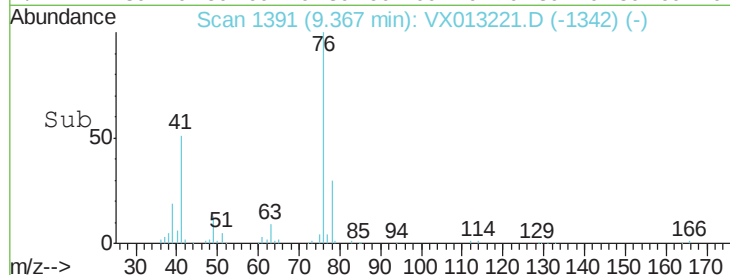
20000

10000

0

9.30 9.35 9.40 9.45

Time-->



#58

2-Chloroethyl Vinyl ether

Concen: 103.213 ug/l

RT: 8.30 min Scan# 1216

Delta R.T. -0.01 min

Lab File: VX013221.D

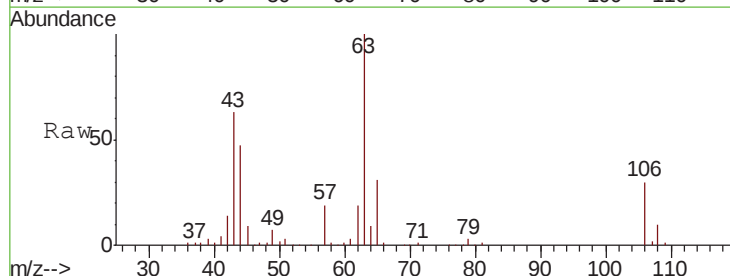
Acq: 25 Oct 2019 11:25

Tgt Ion: 63 Resp: 91598

Ion Ratio Lower Upper

63 100

106 31.9 25.4 38.0



Abundance Ion 62.90 (62.60 to 63.60): VX0

Ion 105.90 (105.60 to 106.60): V

8.30

60000

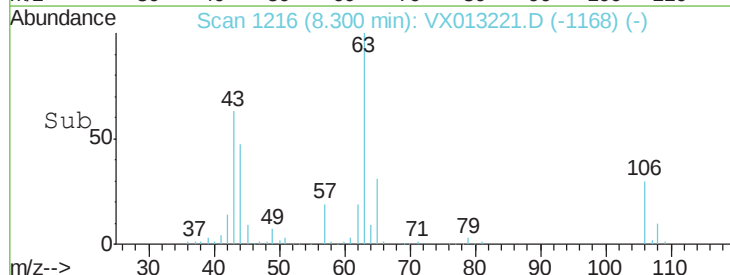
40000

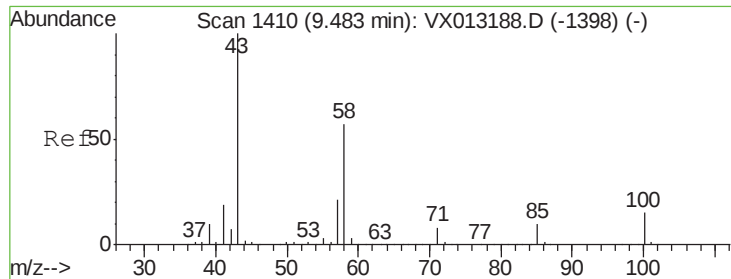
20000

0

8.25 8.30 8.35 8.40

Time-->





#59

2-Hexanone

Concen: 95.291 ug/l

RT: 9.48 min Scan# 1410

Delta R.T. -0.00 min

Lab File: VX013221.D

Acq: 25 Oct 2019 11:25

Instrument :

MSVOA_X

ClientSampleId :

VX1025WBS02

Tot Ion: 43 Resp: 142139

Ion Ratio Lower Upper

43 100

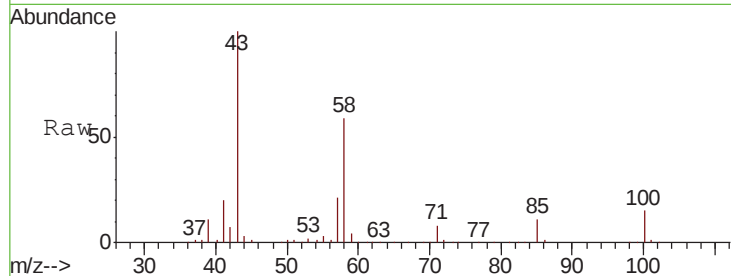
58 57.9 28.2 84.7

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Abundance Ion 43.00 (42.70 to 43.70): VX013188.D (-1398) (-)

Ion 58.00 (57.70 to 58.70): VX013188.D (-1398) (-)

9.48

100000

80000

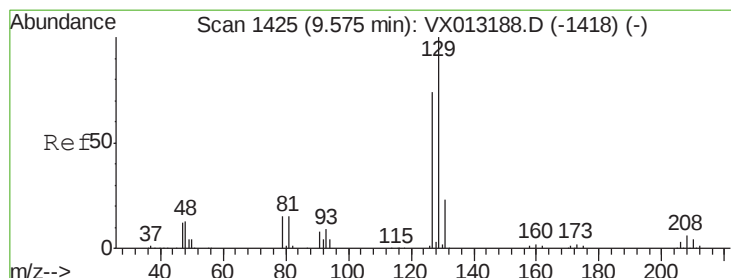
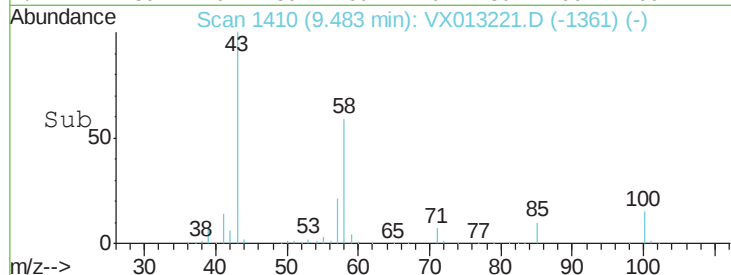
60000

40000

20000

0

Time-->



#60

Dibromochloromethane

Concen: 19.753 ug/l

RT: 9.57 min Scan# 1425

Delta R.T. -0.00 min

Lab File: VX013221.D

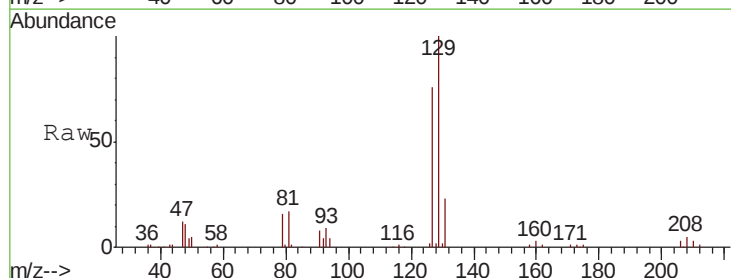
Acq: 25 Oct 2019 11:25

Tgt Ion: 129 Resp: 31278

Ion Ratio Lower Upper

129 100

127 76.7 38.2 114.6



Abundance Ion 128.80 (128.50 to 129.50): VX013188.D (-1418) (-)

Ion 126.80 (126.50 to 127.50): VX013188.D (-1418) (-)

9.57

25000

20000

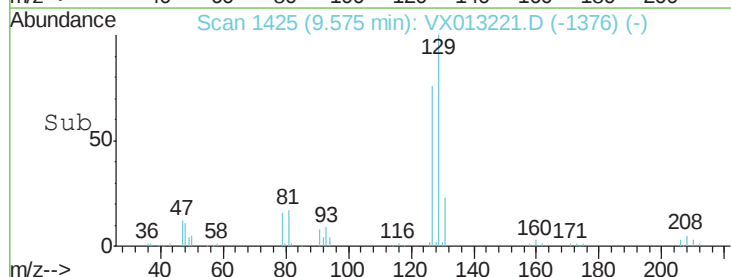
15000

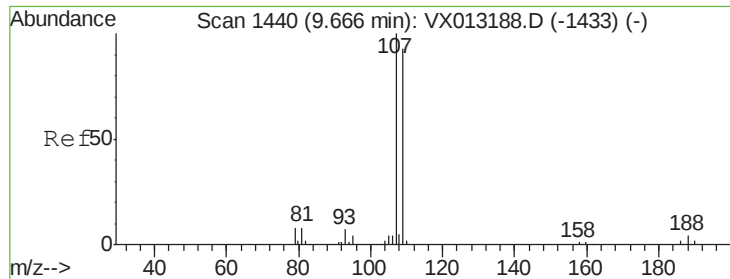
10000

5000

0

Time-->





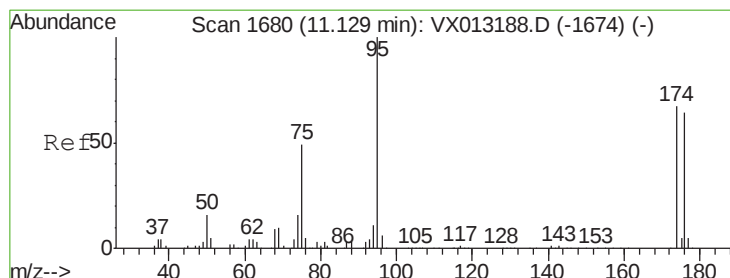
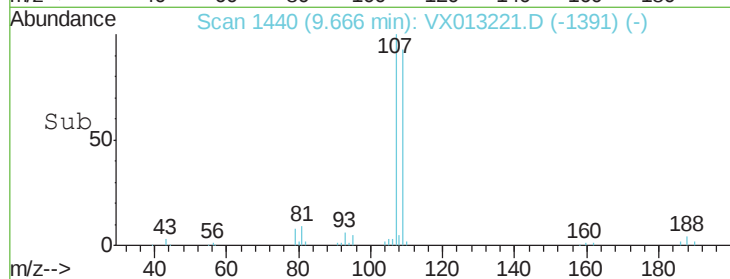
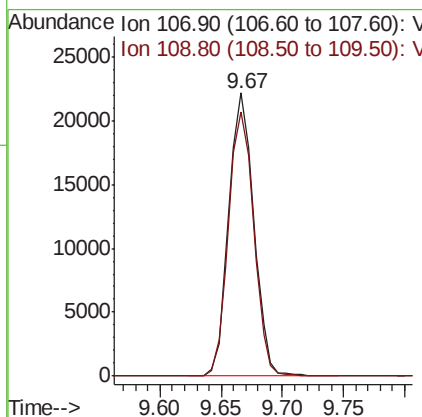
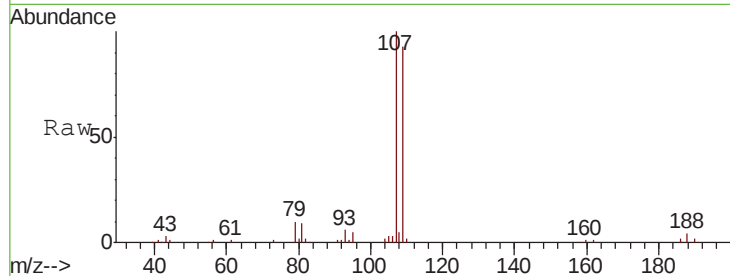
#61
1,2-Dibromoethane
Concen: 19.583 ug/l
RT: 9.67 min Scan# 1440
Delta R.T. -0.00 min
Lab File: VX013221.D
Acq: 25 Oct 2019 11:25

Instrument :
MSVOA_X
ClientSampleId :
VX1025WBS02

Tot Ion:107 Resp: 31416
Ion Ratio Lower Upper
107 100
109 94.1 75.7 113.5

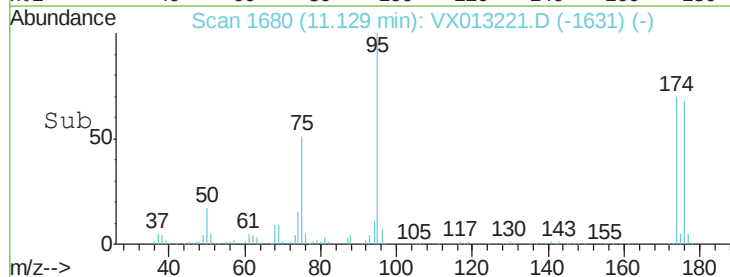
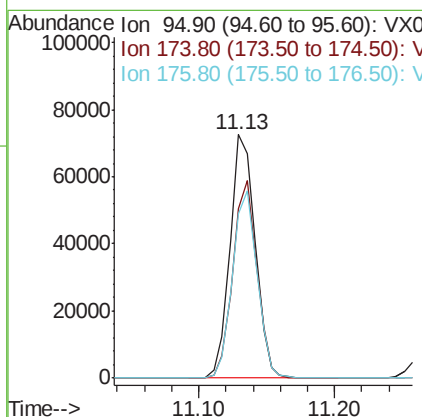
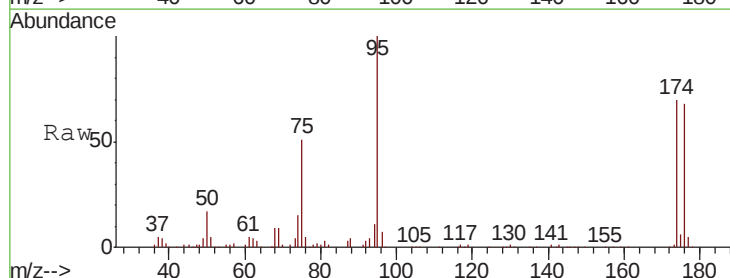
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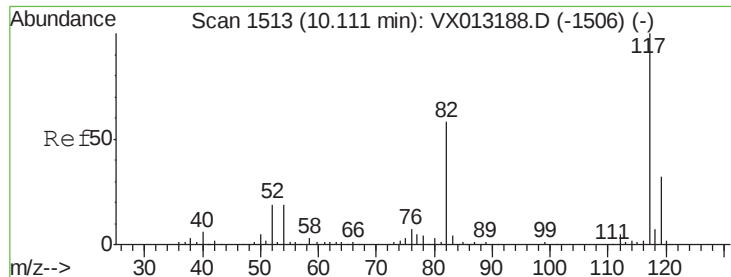
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#62
4-Bromofluorobenzene
Concen: 49.848 ug/l
RT: 11.13 min Scan# 1680
Delta R.T. -0.00 min
Lab File: VX013221.D
Acq: 25 Oct 2019 11:25

Tgt Ion: 95 Resp: 93623
Ion Ratio Lower Upper
95 100
174 77.7 0.0 152.4
176 75.6 0.0 146.0





#63

Chlorobenzene-d5

Concen: 50.000 ug/l

RT: 10.11 min Scan# 1513

Delta R.T. -0.00 min

Lab File: VX013221.D

Acq: 25 Oct 2019 11:25

Instrument :

MSVOA_X

ClientSampleId :

VX1025WBS02

Tot Ion:117 Resp: 115369

Ion Ratio Lower Upper

117 100

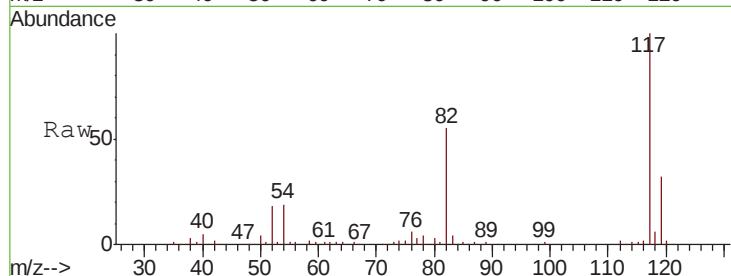
82 54.6 46.5 69.7

119 31.6 25.2 37.8

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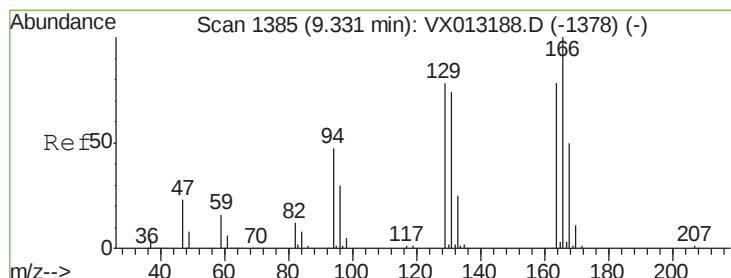
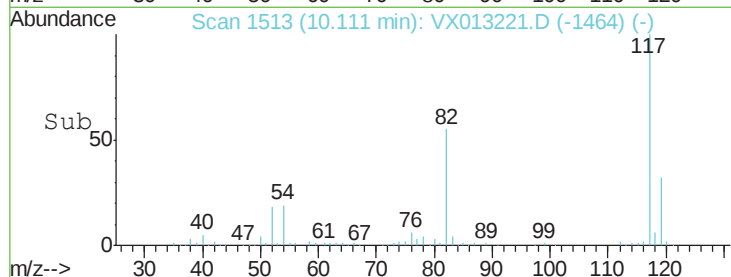
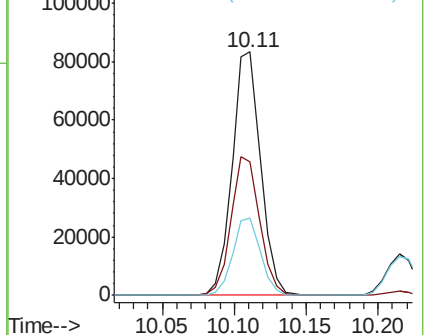
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Abundance Ion 116.90 (116.60 to 117.60): V

Ion 82.00 (81.70 to 82.70): VX0

Ion 118.90 (118.60 to 119.60): V



#64

Tetrachloroethene

Concen: 21.399 ug/l

RT: 9.33 min Scan# 1385

Delta R.T. 0.00 min

Lab File: VX013221.D

Acq: 25 Oct 2019 11:25

Tgt Ion:164 Resp: 32030

Ion Ratio Lower Upper

164 100

166 122.3 102.2 153.4

129 92.6 79.8 119.8

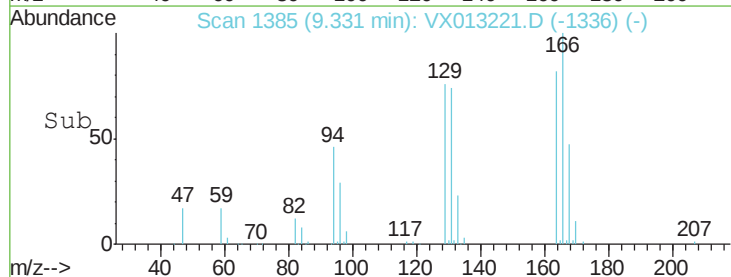
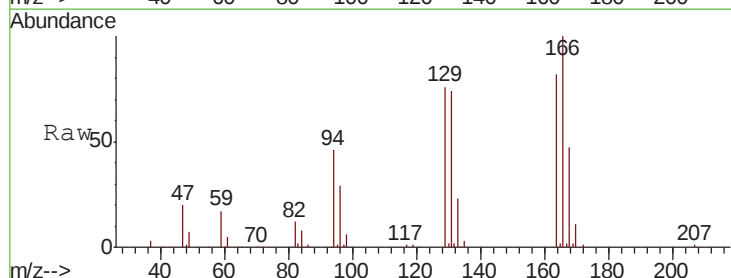
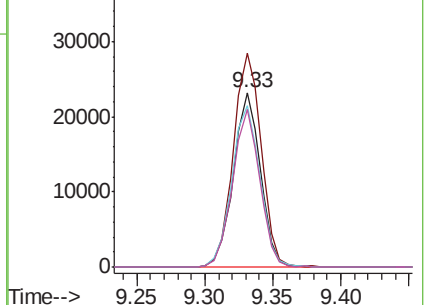
131 90.4 75.3 112.9

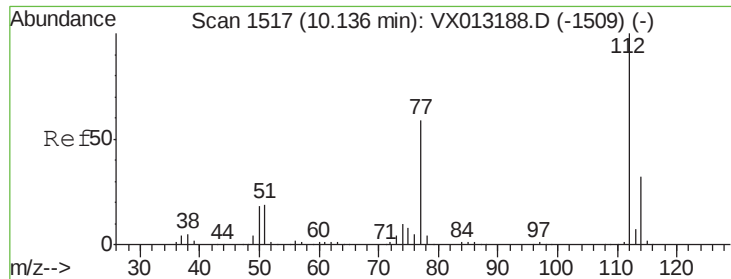
Abundance Ion 163.80 (163.50 to 164.50): V

Ion 165.80 (165.50 to 166.50): V

Ion 128.80 (128.50 to 129.50): V

Ion 130.80 (130.50 to 131.50): V





#65

Chlorobenzene

Concen: 19.210 ug/l

RT: 10.14 min Scan# 1517

Delta R.T. -0.00 min

Lab File: VX013221.D

Acq: 25 Oct 2019 11:25

Instrument :

MSVOA_X

ClientSampleId :

VX1025WBS02

Tot Ion:112 Resp: 77582

Ion Ratio Lower Upper

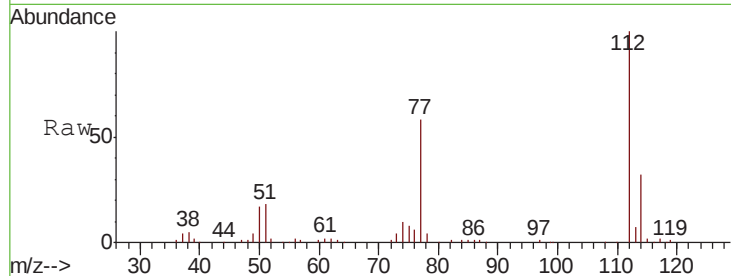
112 100

114 32.4 25.8 38.8

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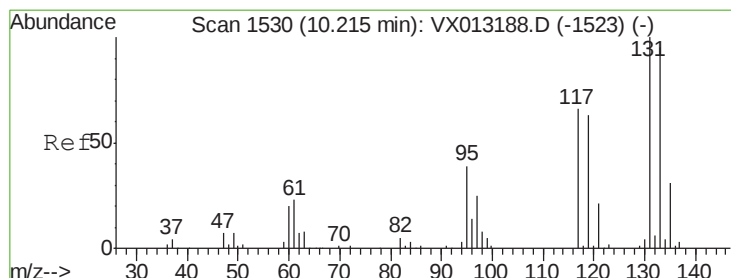
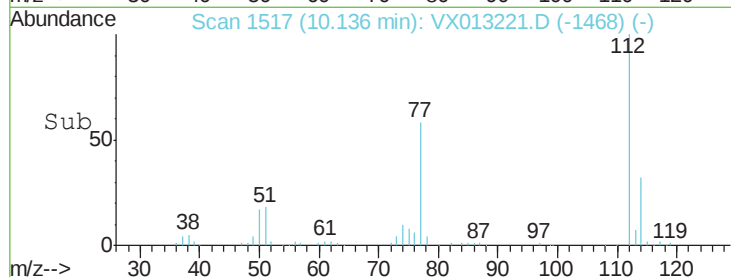
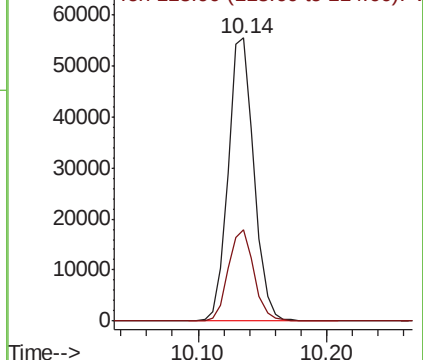
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Abundance Ion 111.90 (111.60 to 112.60): V

Ion 113.90 (113.60 to 114.60): V



#66

1,1,1,2-Tetrachloroethane

Concen: 20.092 ug/l

RT: 10.21 min Scan# 1530

Delta R.T. -0.00 min

Lab File: VX013221.D

Acq: 25 Oct 2019 11:25

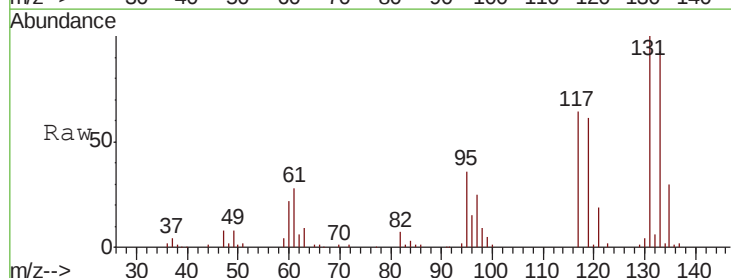
Tgt Ion:131 Resp: 29976

Ion Ratio Lower Upper

131 100

133 95.9 48.4 145.2

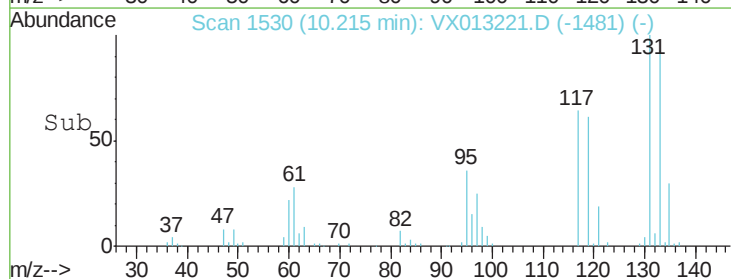
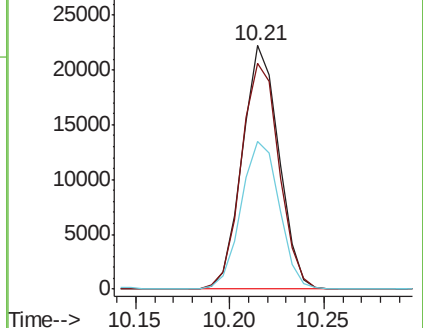
119 63.3 32.4 97.0

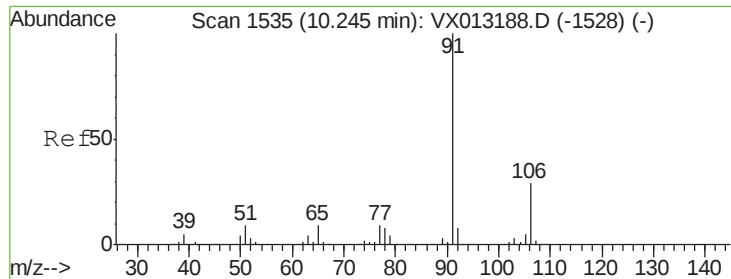


Abundance Ion 130.80 (130.50 to 131.50): V

Ion 132.80 (132.50 to 133.50): V

Ion 118.80 (118.50 to 119.50): V





#67

Ethyl Benzene

Concen: 19.343 ug/l

RT: 10.25 min Scan# 1535

Delta R.T. -0.00 min

Lab File: VX013221.D

Acq: 25 Oct 2019 11:25

Instrument :

MSVOA_X

ClientSampleId :

VX1025WBS02

Tot Ion: 91 Resp: 139849

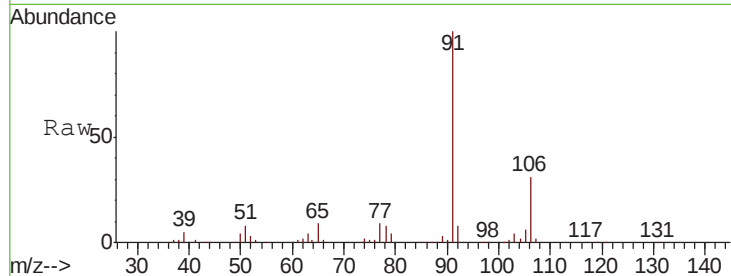
Ion Ratio Lower Upper

91 100

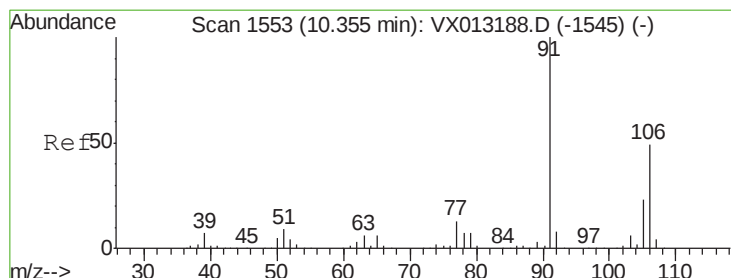
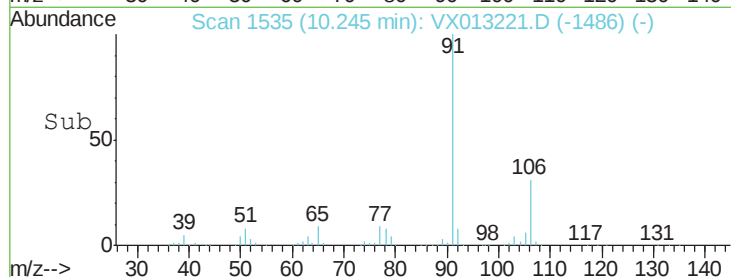
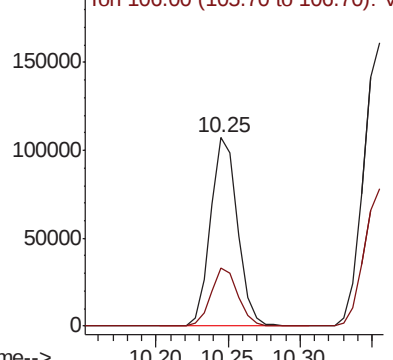
106 30.6 23.5 35.3

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Abundance Ion 91.00 (90.70 to 91.70): VX013188.D (-1528) (-)



#68

m/p-Xylenes

Concen: 38.084 ug/l

RT: 10.35 min Scan# 1553

Delta R.T. -0.00 min

Lab File: VX013221.D

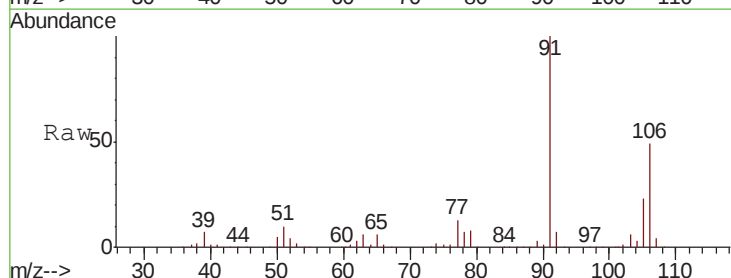
Acq: 25 Oct 2019 11:25

Tgt Ion: 106 Resp: 104059

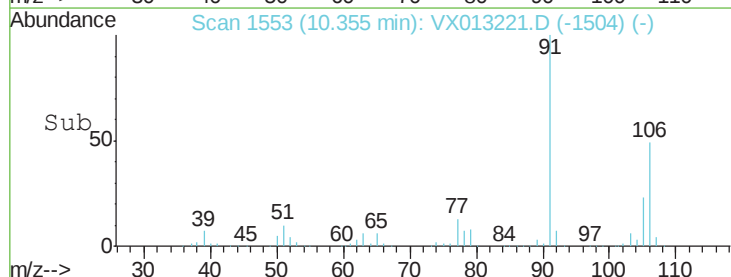
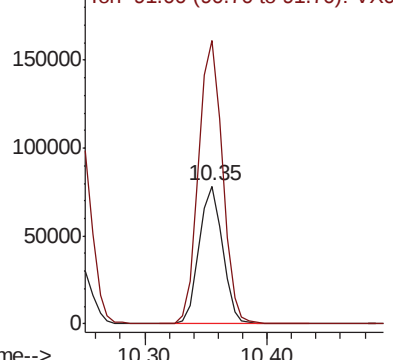
Ion Ratio Lower Upper

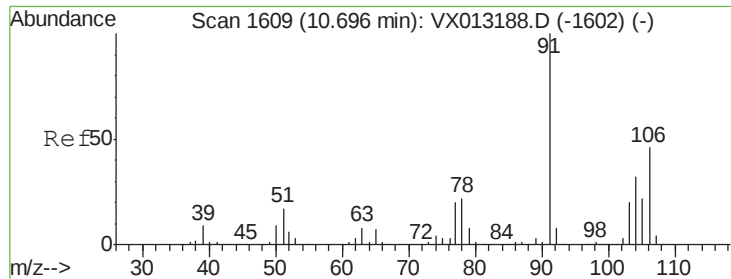
106 100

91 209.8 166.8 250.2



Abundance Ion 106.00 (105.70 to 106.70): VX013188.D (-1545) (-)





#69

o-Xylene

Concen: 19.172 ug/l

RT: 10.70 min Scan# 1609

Delta R.T. -0.00 min

Lab File: VX013221.D

Acq: 25 Oct 2019 11:25

Instrument :

MSVOA_X

ClientSampleId :

VX1025WBS02

Tot Ion:106 Resp: 50251

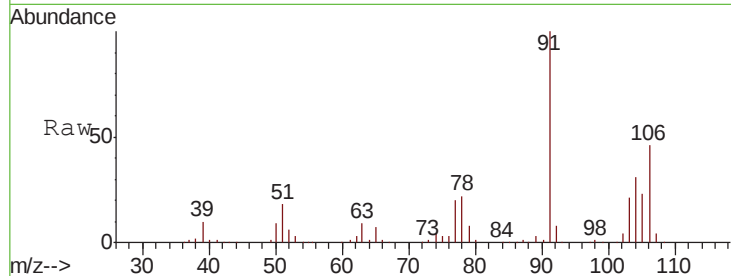
Ion Ratio Lower Upper

106 100

91 221.2 110.7 331.9

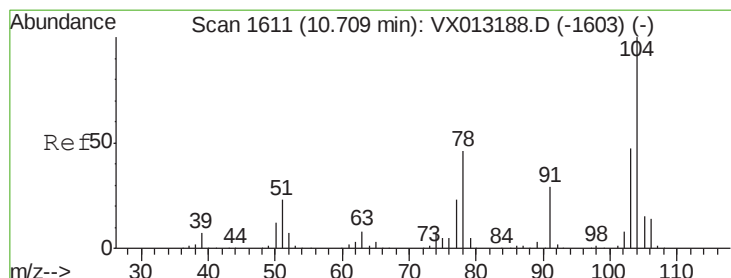
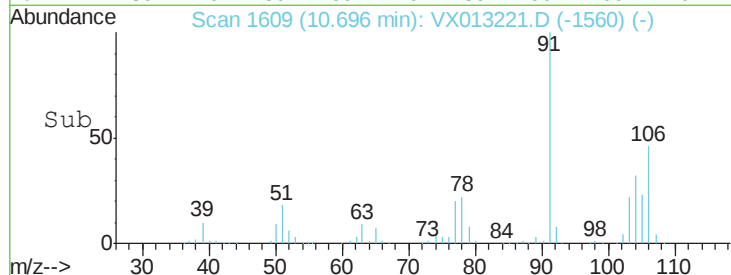
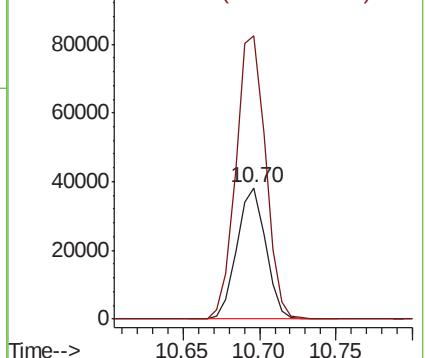
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Abundance Ion 106.00 (105.70 to 106.70): V

Ion 91.00 (90.70 to 91.70): VX0



#70

Styrene

Concen: 18.918 ug/l

RT: 10.71 min Scan# 1611

Delta R.T. -0.00 min

Lab File: VX013221.D

Acq: 25 Oct 2019 11:25

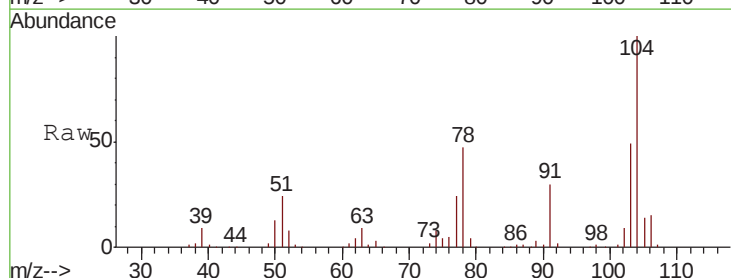
Tgt Ion:104 Resp: 85380

Ion Ratio Lower Upper

104 100

78 54.3 42.2 63.4

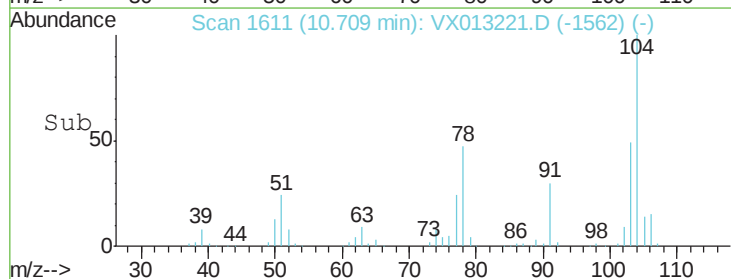
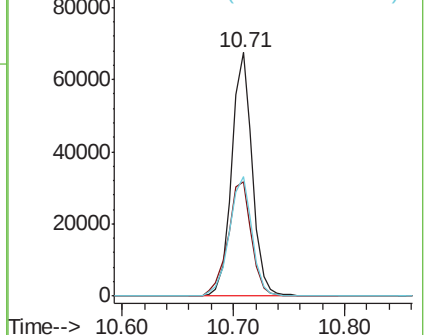
103 54.3 42.8 64.2

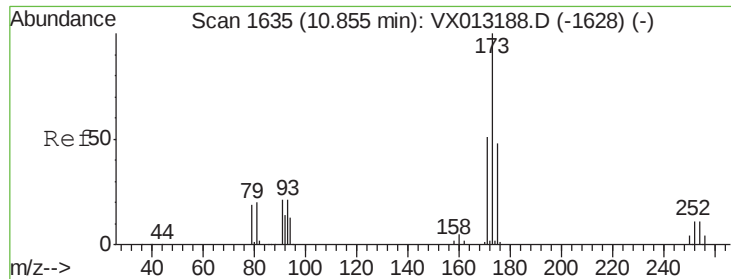


Abundance Ion 104.00 (103.70 to 104.70): V

Ion 78.00 (77.70 to 78.70): VX0

Ion 103.00 (102.70 to 103.70): V





#71

Bromoform

Concen: 19.566 ug/l

RT: 10.85 min Scan# 1635

Delta R.T. -0.00 min

Lab File: VX013221.D

Acq: 25 Oct 2019 11:25

Instrument :

MSVOA_X

ClientSampleId :

VX1025WBS02

Tot Ion:173 Resp: 21329

Ion Ratio Lower Upper

173 100

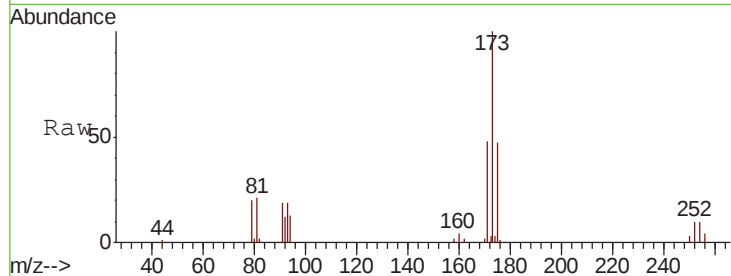
175 47.7 24.3 72.8

254 0.0 0.1 0.1#

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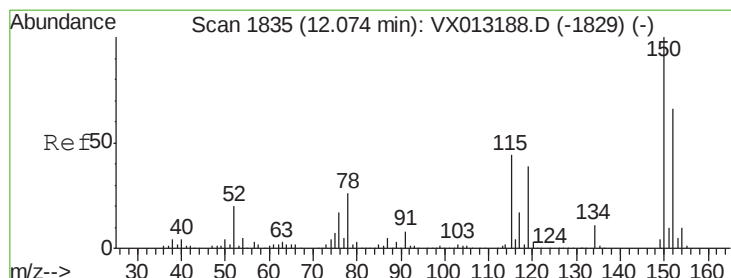
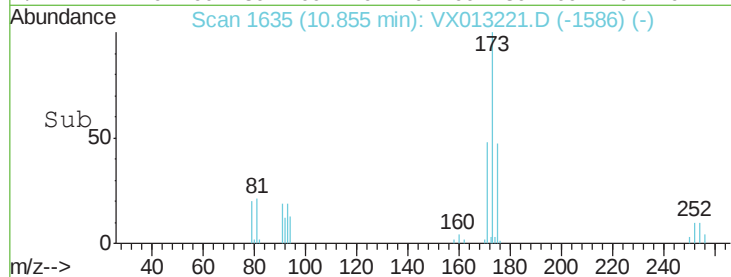
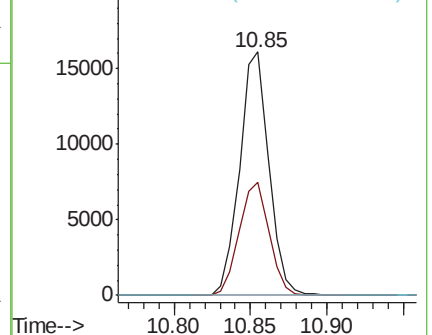
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Abundance Ion 172.70 (172.40 to 173.40): V

Ion 174.70 (174.40 to 175.40): V

Ion 254.40 (254.10 to 255.10): V



#72

1,4-Dichlorobenzene-d4

Concen: 50.000 ug/l

RT: 12.07 min Scan# 1835

Delta R.T. -0.00 min

Lab File: VX013221.D

Acq: 25 Oct 2019 11:25

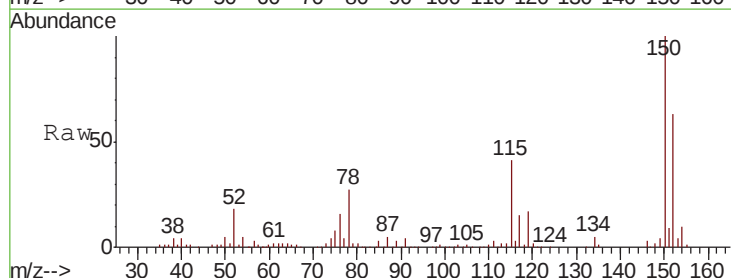
Tgt Ion:152 Resp: 78675

Ion Ratio Lower Upper

152 100

115 75.8 46.6 139.8

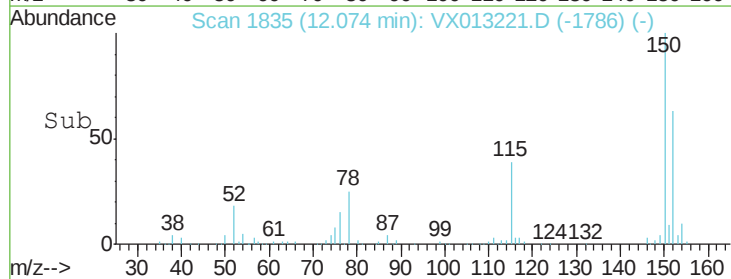
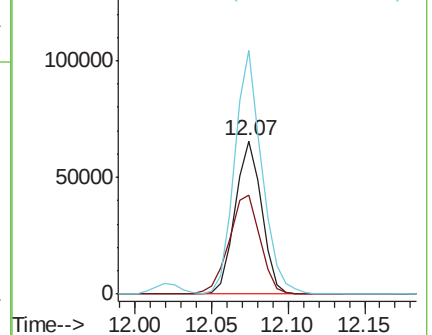
150 163.6 0.0 354.0

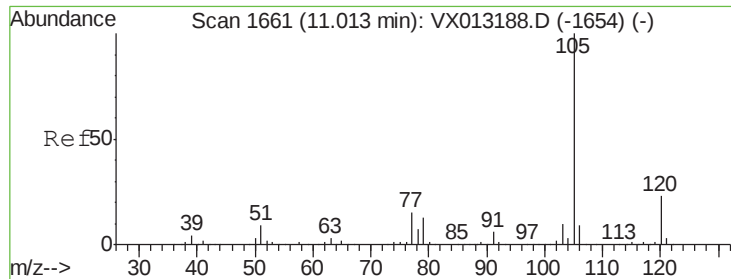


Abundance Ion 151.90 (151.60 to 152.60): V

Ion 114.90 (114.60 to 115.60): V

Ion 149.90 (149.60 to 150.60): V





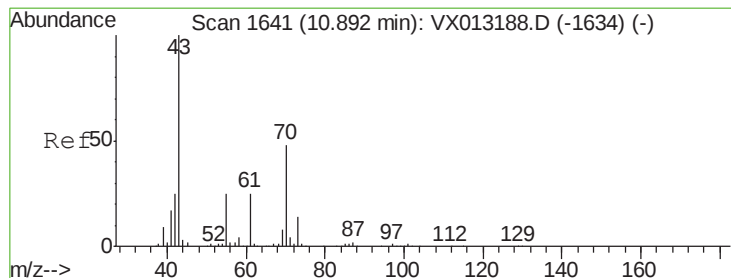
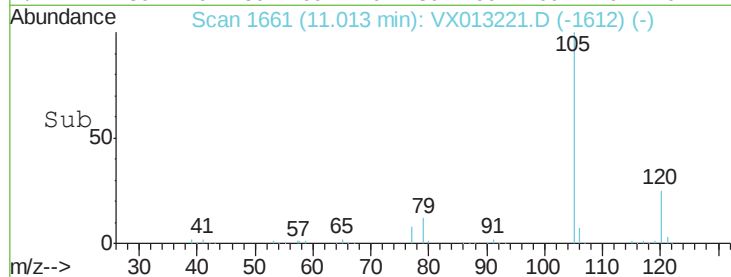
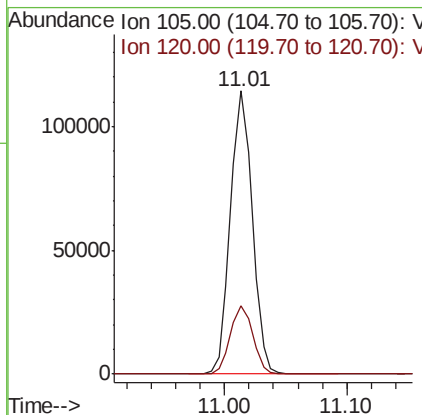
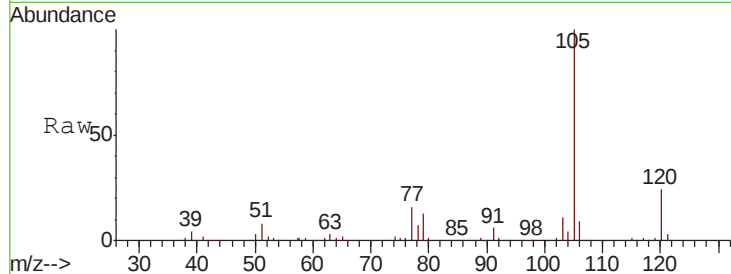
#73
Isopropylbenzene
Concen: 19.769 ug/l
RT: 11.01 min Scan# 1661
Delta R.T. -0.00 min
Lab File: VX013221.D
Acq: 25 Oct 2019 11:25

Instrument :
MSVOA_X
ClientSampleId :
VX1025WBS02

Tot Ion:105 Resp: 141239
Ion Ratio Lower Upper
105 100
120 25.0 12.6 37.8

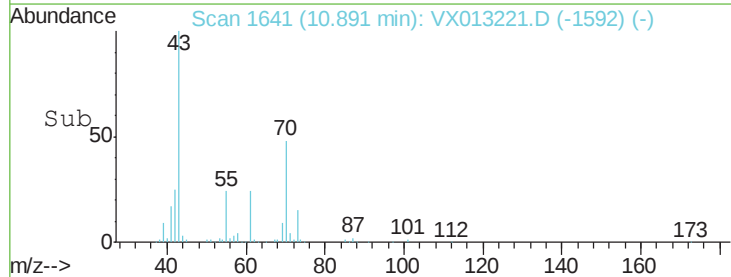
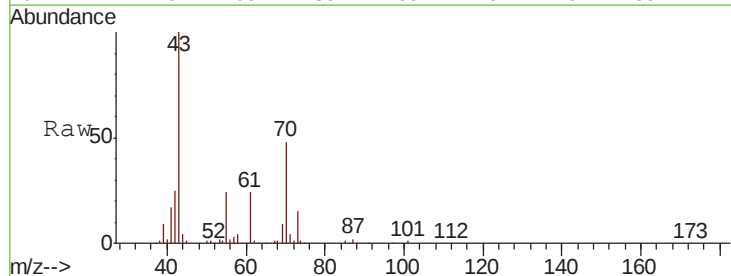
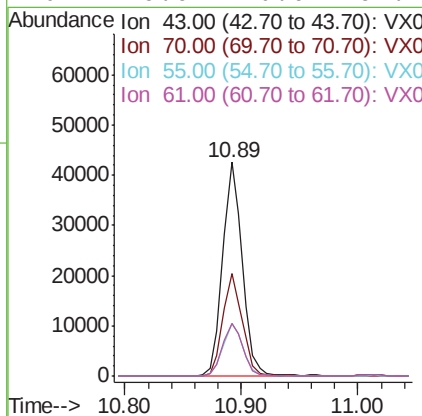
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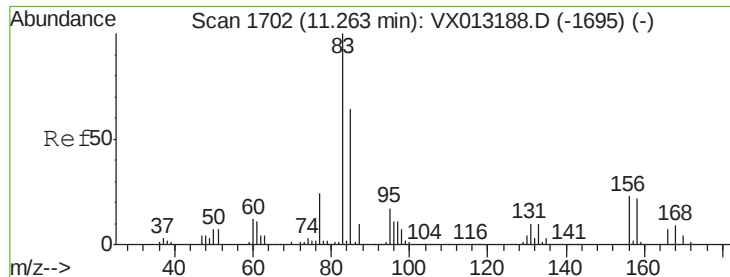
MMDadoda
11/4/2019 1:23:10 PM



#74
N-ethyl acetate
Concen: 18.867 ug/l
RT: 10.89 min Scan# 1641
Delta R.T. -0.00 min
Lab File: VX013221.D
Acq: 25 Oct 2019 11:25

Tgt Ion: 43 Resp: 49474
Ion Ratio Lower Upper
43 100
70 47.3 38.5 57.7
55 25.3 20.7 31.1
61 25.5 20.8 31.2





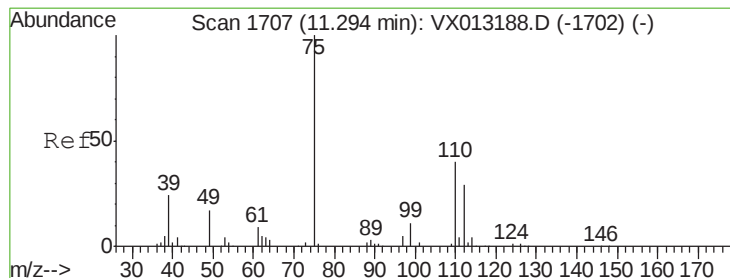
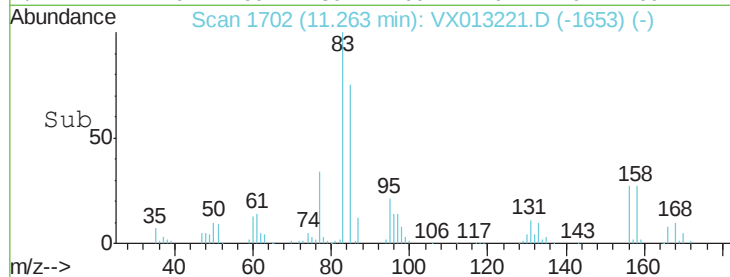
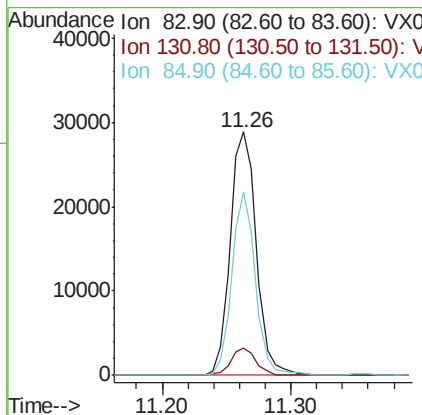
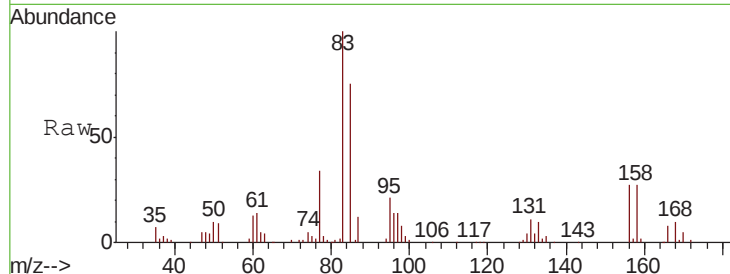
#75
 1,1,2,2-Tetrachloroethane
 Concen: 18.898 ug/l
 RT: 11.26 min Scan# 1702
 Delta R.T. -0.00 min
 Lab File: VX013221.D
 Acq: 25 Oct 2019 11:25

Instrument :
 MSVOA_X
 ClientSampleId :
 VX1025WBS02

Tot Ion	83	Resp	40995
Ion Ratio	Lower	Upper	
83	100		
131	10.7	5.3	16.1
85	68.0	31.4	94.3

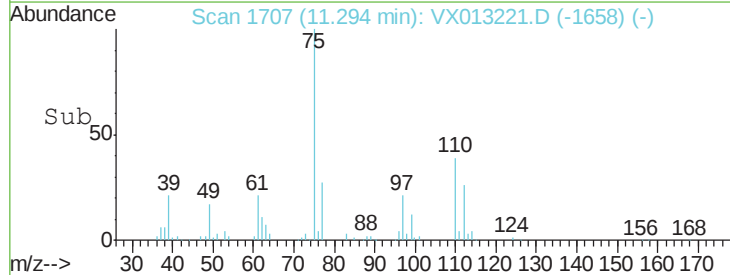
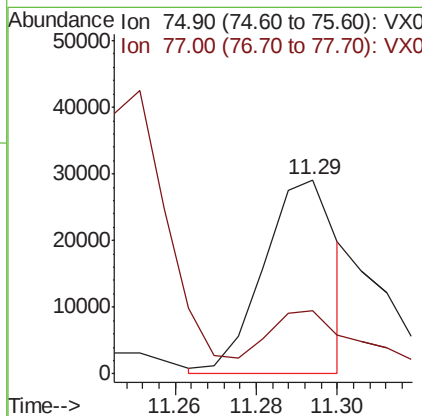
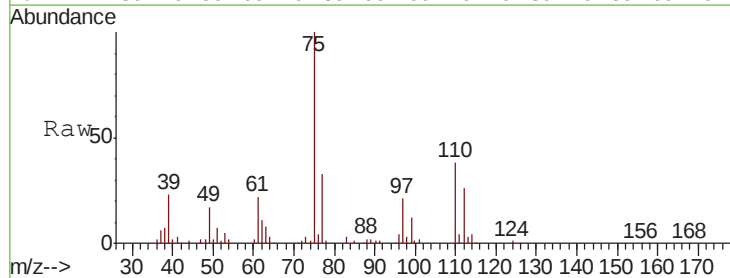
Manual Integrations
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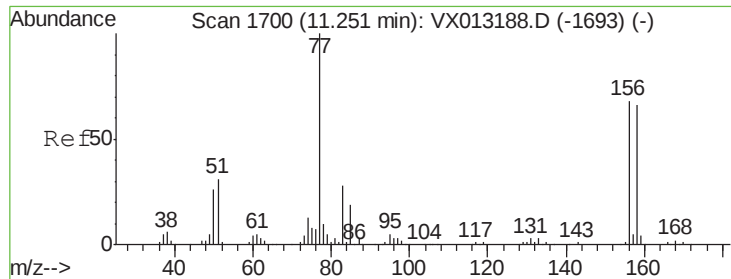
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#76
 1,2,3-Trichloropropane
 Concen: 19.119 ug/l m
 RT: 11.29 min Scan# 1707
 Delta R.T. -0.00 min
 Lab File: VX013221.D
 Acq: 25 Oct 2019 11:25

Tgt Ion	75	Resp	36253
Ion Ratio	Lower	Upper	
75	100		
77	42.3	19.1	57.5





#77

Bromobenzene

Concen: 19.313 ug/l

RT: 11.25 min Scan# 1700

Delta R.T. -0.00 min

Lab File: VX013221.D

Acq: 25 Oct 2019 11:25

Instrument :

MSVOA_X

ClientSampleId :

VX1025WBS02

Tot Ion:156 Resp: 33071

Ion Ratio Lower Upper

156 100

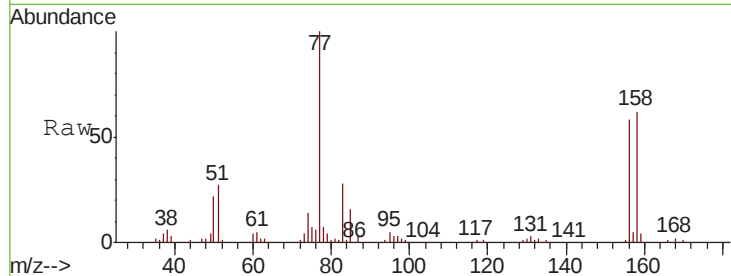
77 164.1 81.7 245.1

158 99.9 49.6 148.8

Manual Integrations
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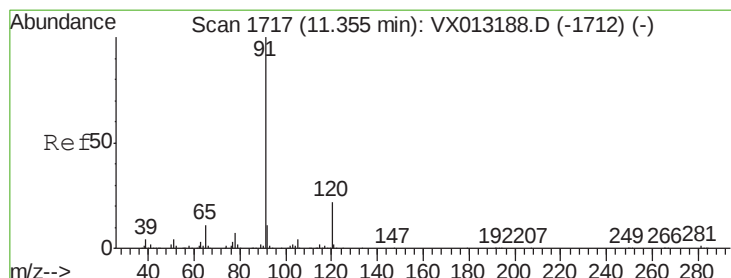
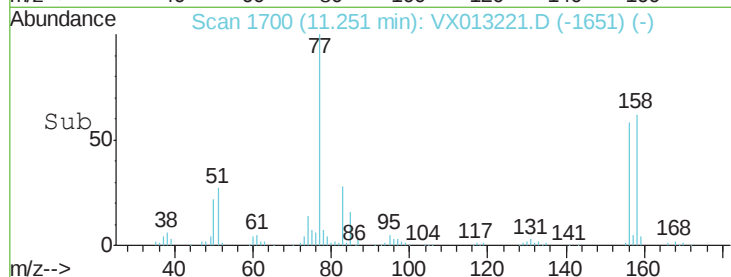
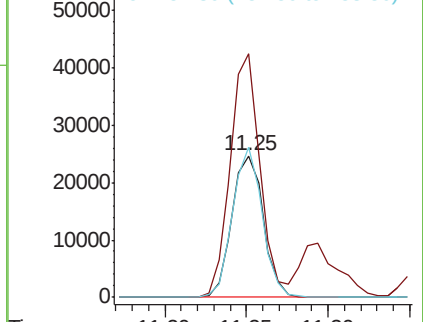
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Abundance Ion 155.80 (155.50 to 156.50): V

Ion 77.00 (76.70 to 77.70): VX0

Ion 157.80 (157.50 to 158.50): V



#78

n-propylbenzene

Concen: 18.425 ug/l

RT: 11.35 min Scan# 1717

Delta R.T. -0.00 min

Lab File: VX013221.D

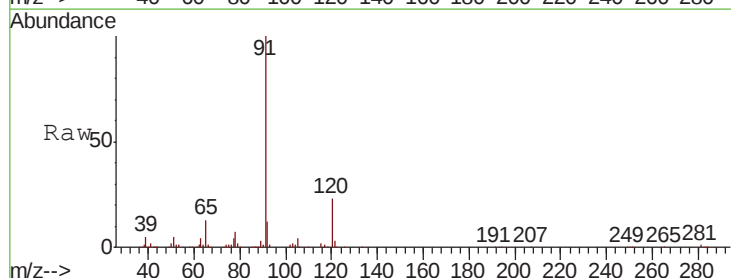
Acq: 25 Oct 2019 11:25

Tgt Ion: 91 Resp: 142985

Ion Ratio Lower Upper

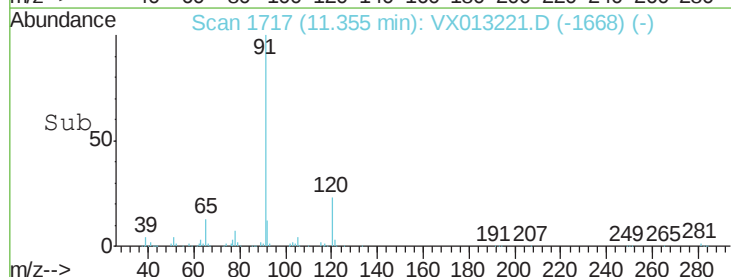
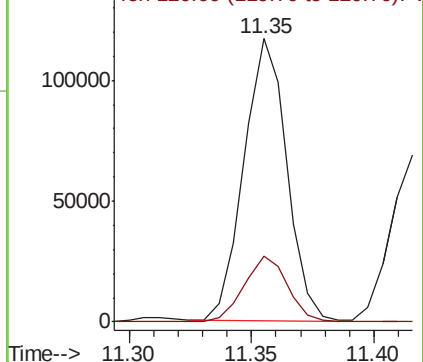
91 100

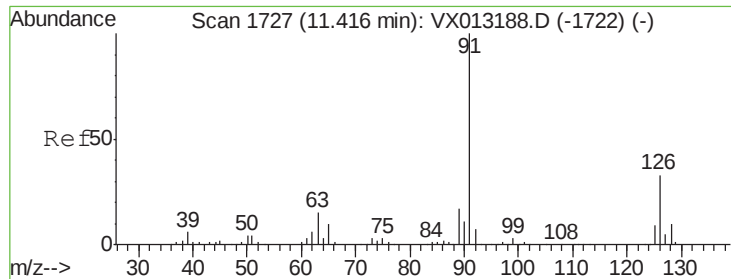
120 23.4 11.4 34.1



Abundance Ion 91.00 (90.70 to 91.70): VX0

Ion 120.00 (119.70 to 120.70): V





#79

2-Chlorotoluene

Concen: 17.689 ug/l

RT: 11.42 min Scan# 1727

Delta R.T. -0.00 min

Lab File: VX013221.D

Acq: 25 Oct 2019 11:25

Instrument :

MSVOA_X

ClientSampleId :

VX1025WBS02

Tot Ion: 91 Resp: 86734

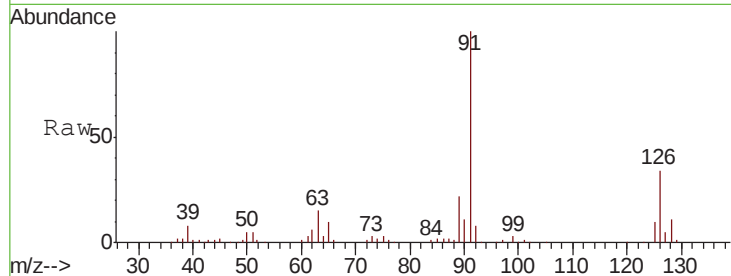
Ion Ratio Lower Upper

91 100

126 34.0 16.3 48.8

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Abundance Ion 91.00 (90.70 to 91.70): VX013188.D (-1722) (-)

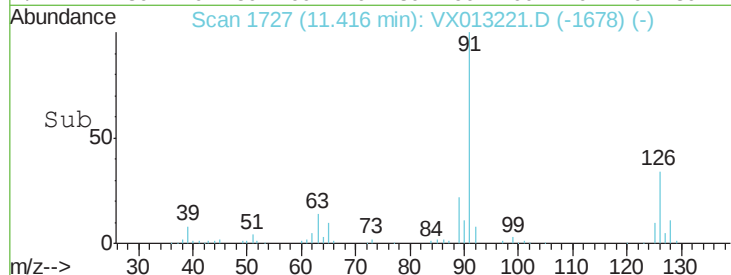
Ion 125.90 (125.60 to 126.60): VX013188.D (-1722) (-)

100000

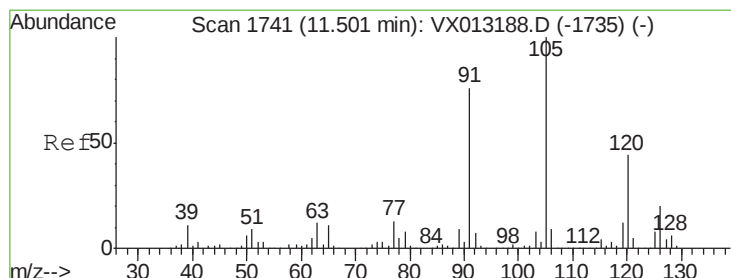
50000

0

11.35 11.40 11.45



Time-->



#80

1,3,5-Trimethylbenzene

Concen: 19.946 ug/l

RT: 11.50 min Scan# 1741

Delta R.T. -0.00 min

Lab File: VX013221.D

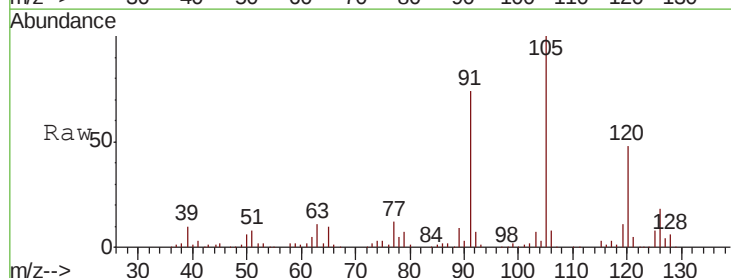
Acq: 25 Oct 2019 11:25

Tgt Ion: 105 Resp: 118447

Ion Ratio Lower Upper

105 100

120 46.9 23.4 70.0



Abundance Ion 105.00 (104.70 to 105.70): VX013188.D (-1735) (-)

Ion 120.00 (119.70 to 120.70): VX013188.D (-1735) (-)

120000

100000

80000

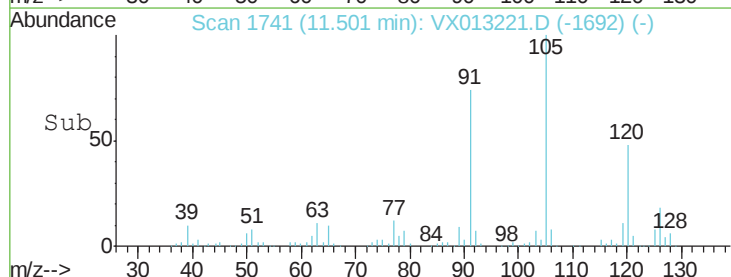
60000

40000

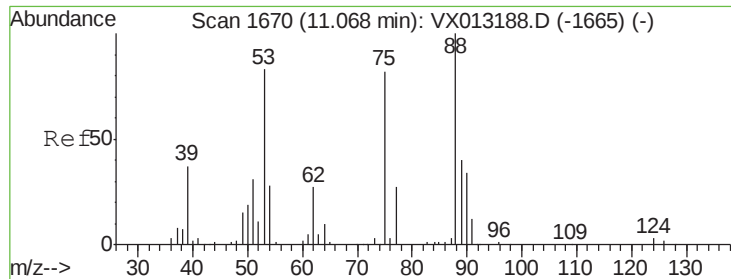
20000

0

11.45 11.50 11.55



Time-->



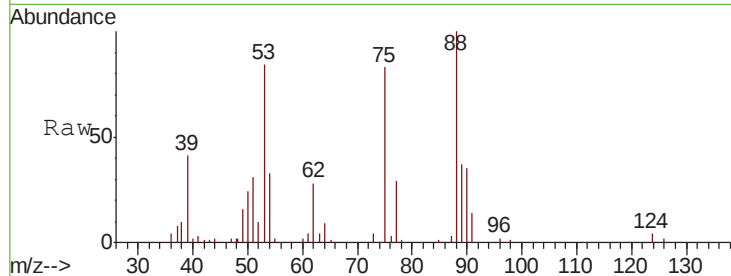
#81
trans-1,4-Dichloro-2-butene
Concen: 18.725 ug/l
RT: 11.07 min Scan# 1670
Delta R.T. -0.00 min
Lab File: VX013221.D
Acq: 25 Oct 2019 11:25

Instrument :
MSVOA_X
ClientSampleId :
VX1025WBS02

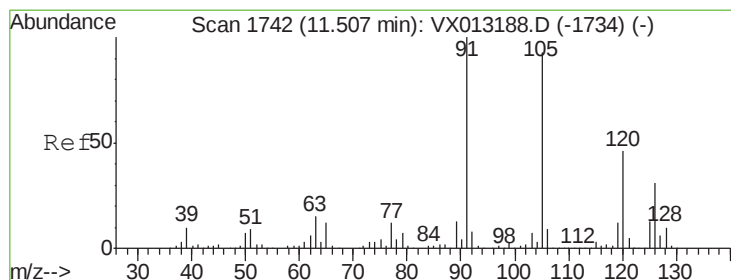
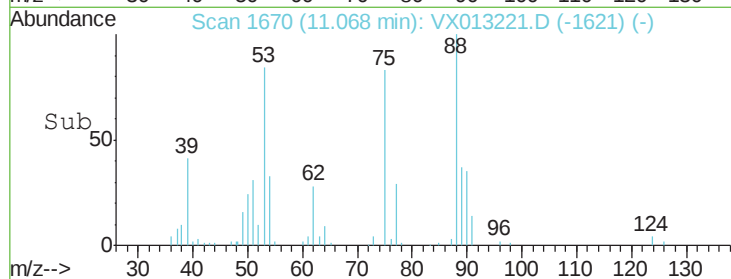
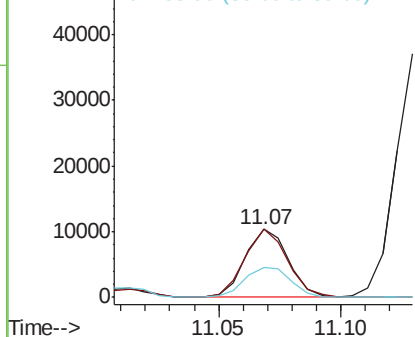
Tot Ion: 75 Resp: 12921
Ion Ratio Lower Upper
75 100
53 98.8 77.9 116.9
89 46.6 37.3 55.9

Manual Integrations
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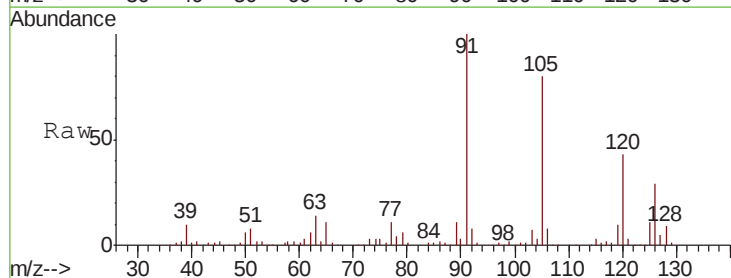


Abundance Ion 74.90 (74.60 to 75.60): VX0
Ion 53.00 (52.70 to 53.70): VX0
Ion 88.90 (88.60 to 89.60): VX0

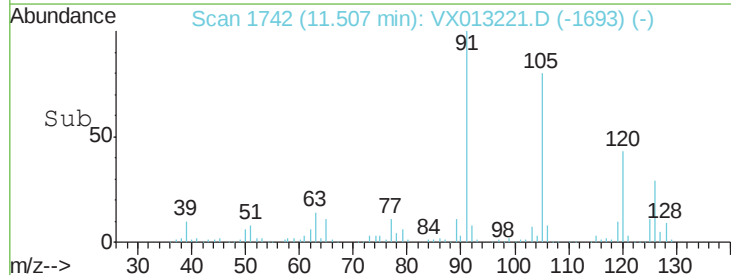
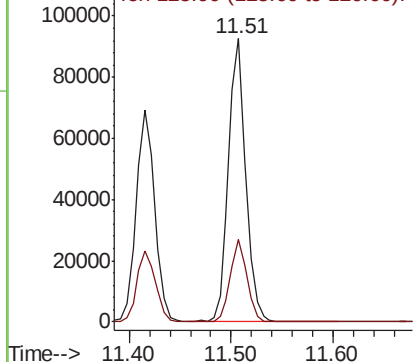


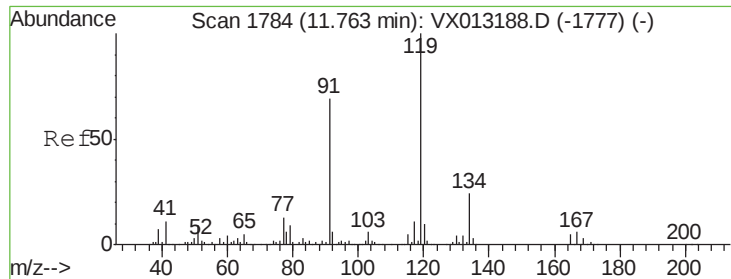
#82
4-Chlorotoluene
Concen: 19.557 ug/l
RT: 11.51 min Scan# 1742
Delta R.T. -0.00 min
Lab File: VX013221.D
Acq: 25 Oct 2019 11:25

Tgt Ion: 91 Resp: 108652
Ion Ratio Lower Upper
91 100
126 28.1 14.6 44.0



Abundance Ion 91.00 (90.70 to 91.70): VX0
Ion 125.90 (125.60 to 126.60): V





#83

tert-Butylbenzene

Concen: 19.074 ug/l

RT: 11.76 min Scan# 1784

Delta R.T. -0.00 min

Lab File: VX013221.D

Acq: 25 Oct 2019 11:25

Instrument :

MSVOA_X

ClientSampleId :

VX1025WBS02

Tot Ion:119 Resp: 112064

Ion Ratio Lower Upper

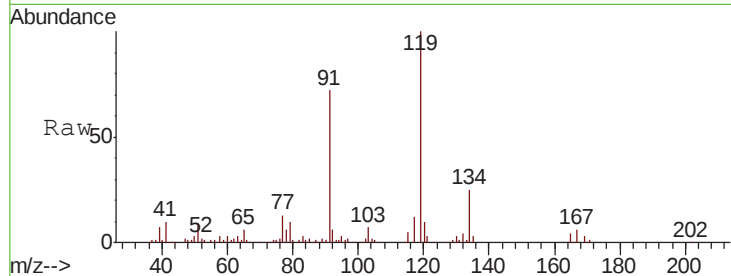
119 100

91 62.6 30.8 92.4

134 23.1 11.5 34.5

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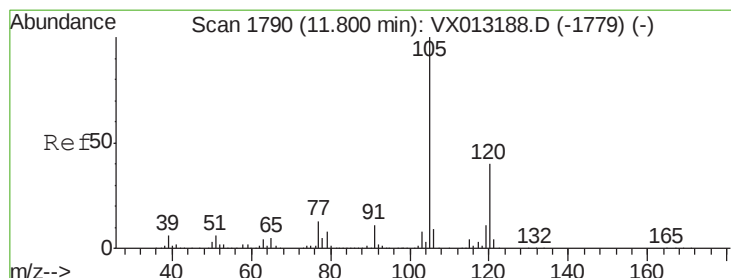
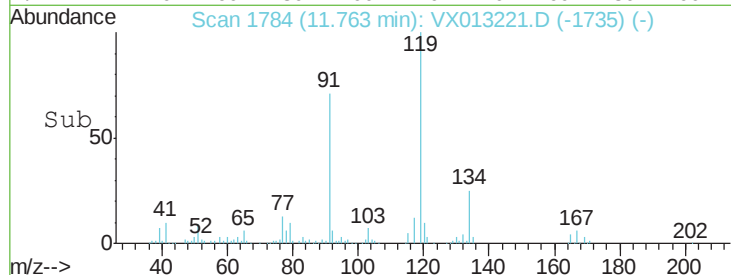
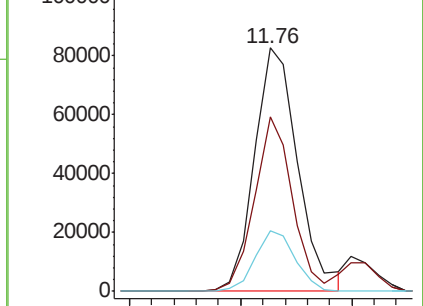
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Abundance Ion 119.00 (118.70 to 119.70): V

Ion 91.00 (90.70 to 91.70): VX0

Ion 134.00 (133.70 to 134.70): V



#84

1,2,4-Trimethylbenzene

Concen: 19.441 ug/l

RT: 11.81 min Scan# 1791

Delta R.T. 0.01 min

Lab File: VX013221.D

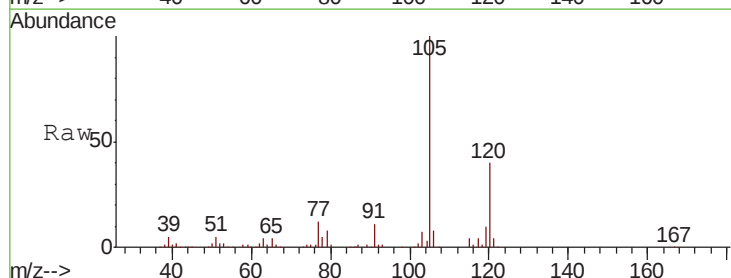
Acq: 25 Oct 2019 11:25

Tgt Ion:105 Resp: 116447

Ion Ratio Lower Upper

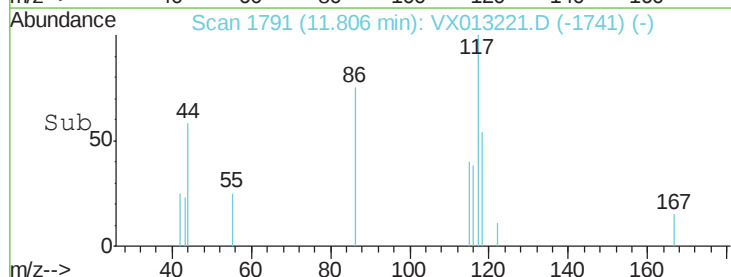
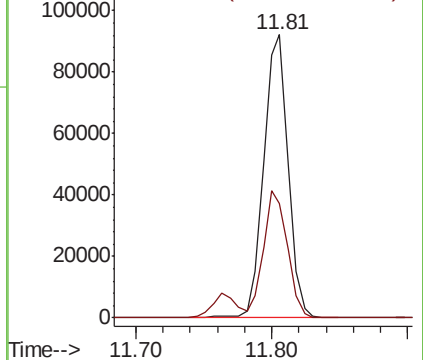
105 100

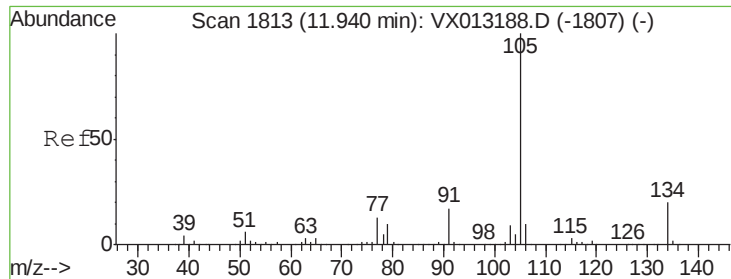
120 43.8 21.4 64.3



Abundance Ion 105.00 (104.70 to 105.70): V

Ion 120.00 (119.70 to 120.70): V





#85

sec-Butylbenzene

Concen: 19.758 ug/l

RT: 11.94 min Scan# 1813

Delta R.T. -0.00 min

Lab File: VX013221.D

Acq: 25 Oct 2019 11:25

Instrument :

MSVOA_X

ClientSampleId :

VX1025WBS02

Tot Ion:105 Resp: 132101

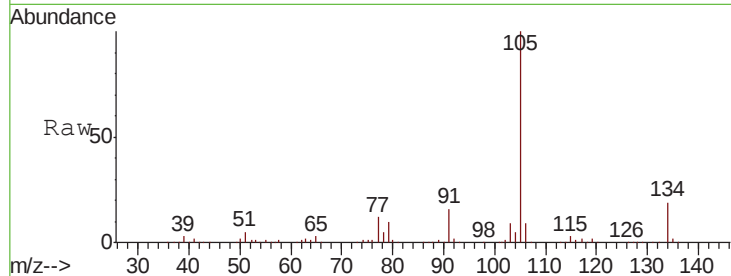
Ion Ratio Lower Upper

105 100

134 19.6 9.9 29.7

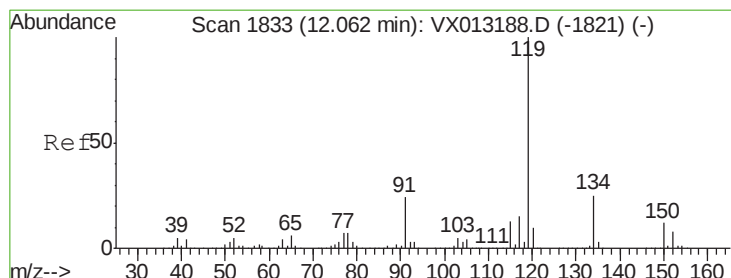
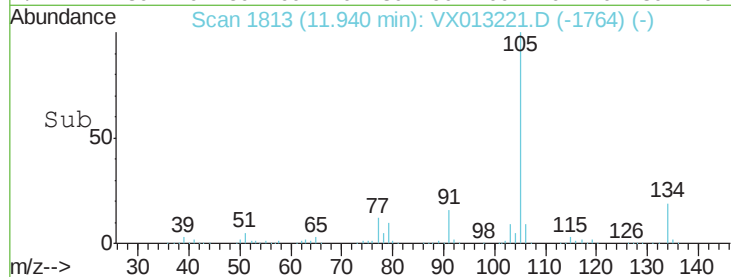
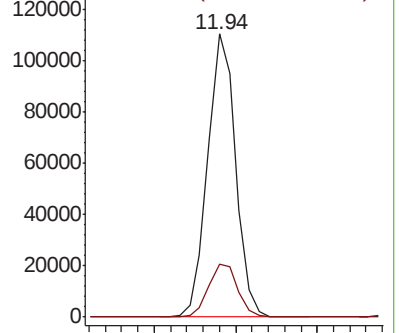
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Abundance Ion 105.00 (104.70 to 105.70): V

Ion 134.00 (133.70 to 134.70): V



#86

p-Isopropyltoluene

Concen: 19.916 ug/l

RT: 12.06 min Scan# 1833

Delta R.T. -0.00 min

Lab File: VX013221.D

Acq: 25 Oct 2019 11:25

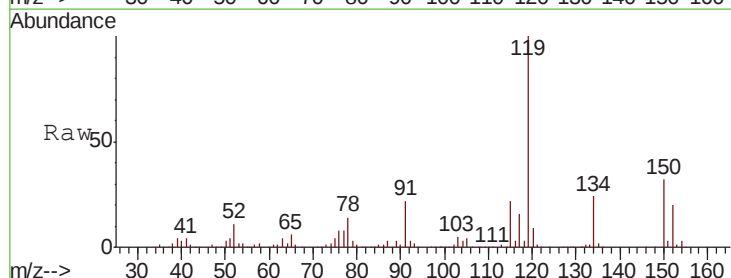
Tgt Ion:119 Resp: 125095

Ion Ratio Lower Upper

119 100

134 24.9 12.5 37.5

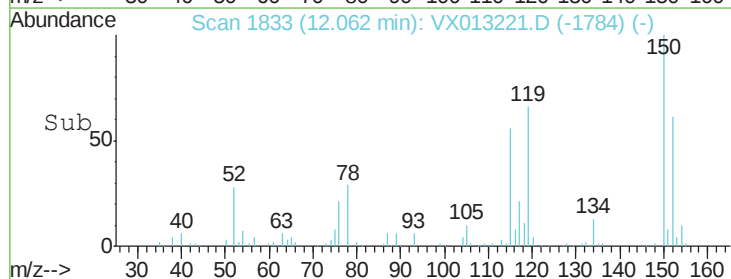
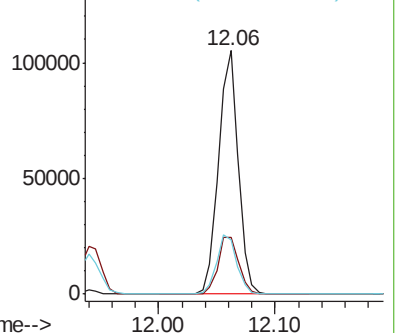
91 24.6 12.4 37.2

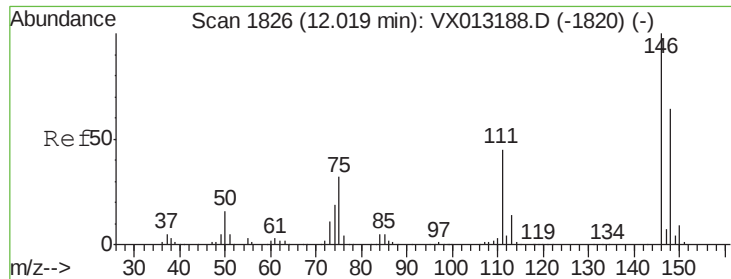


Abundance Ion 119.00 (118.70 to 119.70): V

Ion 134.00 (133.70 to 134.70): V

Ion 91.00 (90.70 to 91.70): VX0





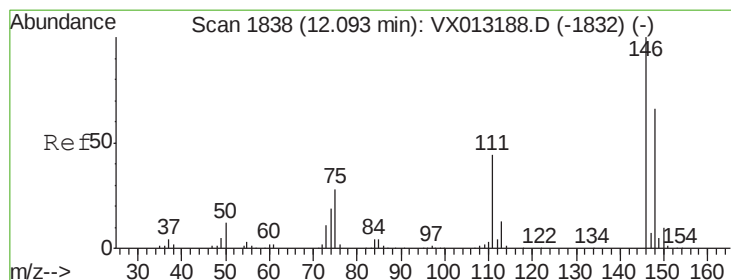
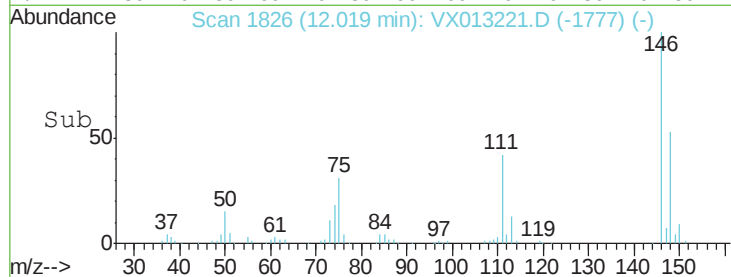
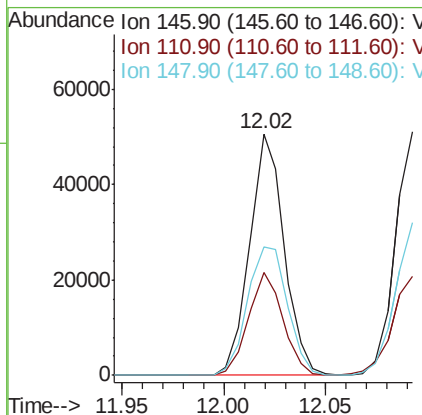
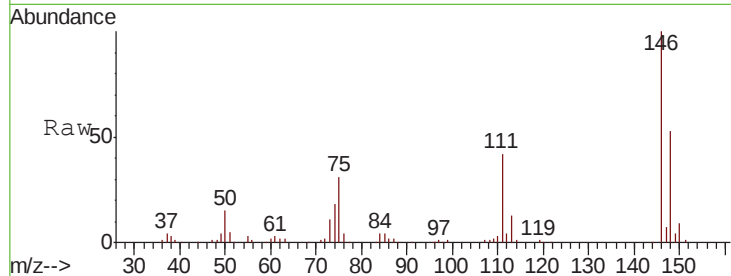
#87
 1,3-Dichlorobenzene
 Concen: 19.320 ug/l
 RT: 12.02 min Scan# 1826
 Delta R.T. -0.00 min
 Lab File: VX013221.D
 Acq: 25 Oct 2019 11:25

Instrument :
 MSVOA_X
 ClientSampleId :
 VX1025WBS02

Tot Ion	Ratio	Lower	Upper
146	100		
111	42.6	21.3	63.9
148	61.6	31.6	94.8

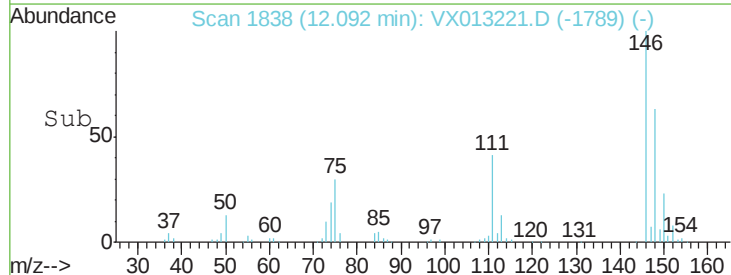
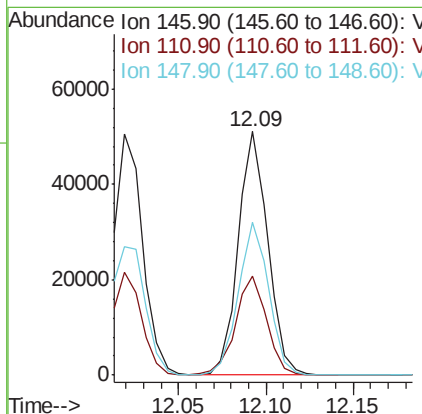
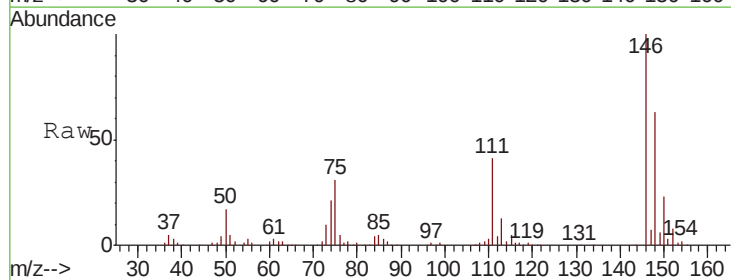
Manual Integrations
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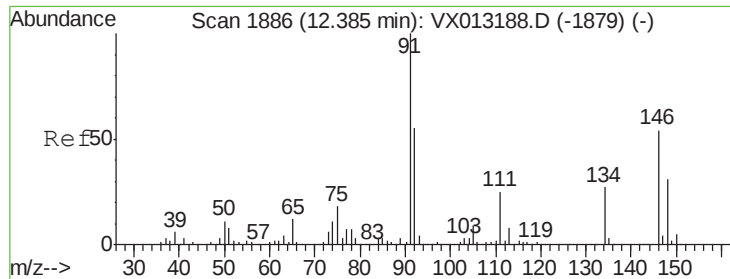
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#88
 1,4-Dichlorobenzene
 Concen: 19.053 ug/l
 RT: 12.09 min Scan# 1838
 Delta R.T. -0.00 min
 Lab File: VX013221.D
 Acq: 25 Oct 2019 11:25

Tgt Ion	Ratio	Lower	Upper
146	100		
111	43.2	21.3	63.9
148	64.8	32.5	97.5





#89

n-Butylbenzene

Concen: 19.384 ug/l

RT: 12.39 min Scan# 1886

Delta R.T. -0.00 min

Lab File: VX013221.D

Acq: 25 Oct 2019 11:25

Instrument :

MSVOA_X

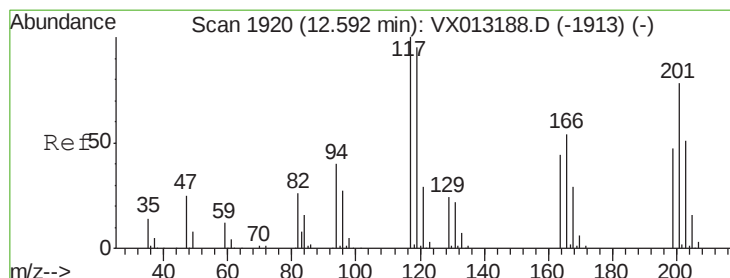
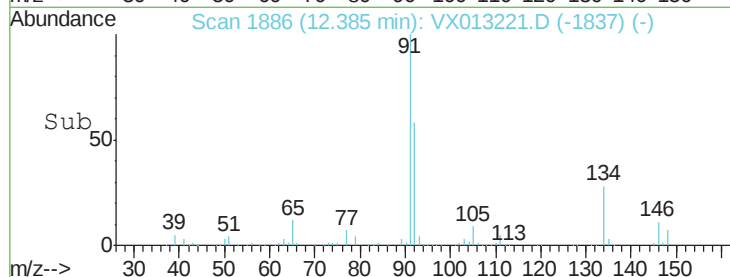
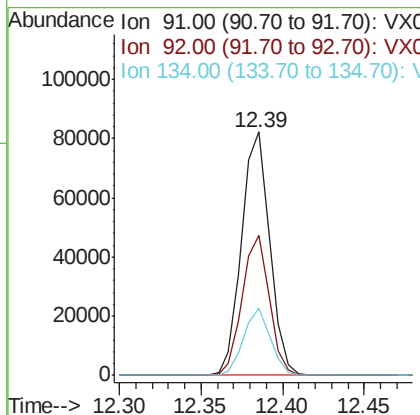
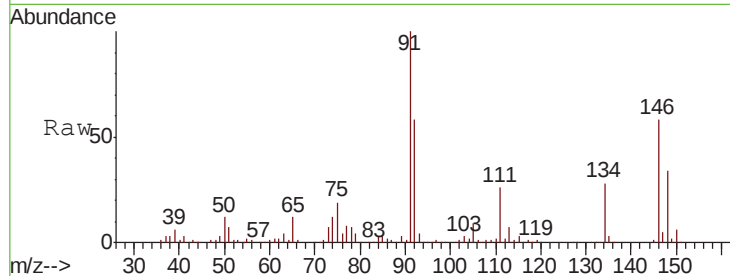
ClientSampleId :

VX1025WBS02

Tot Ion:	91	Resp:	99601
Ion	Ratio	Lower	Upper
91	100		
92	55.5	27.7	83.1
134	26.3	13.2	39.6

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#90

Hexachloroethane

Concen: 19.186 ug/l

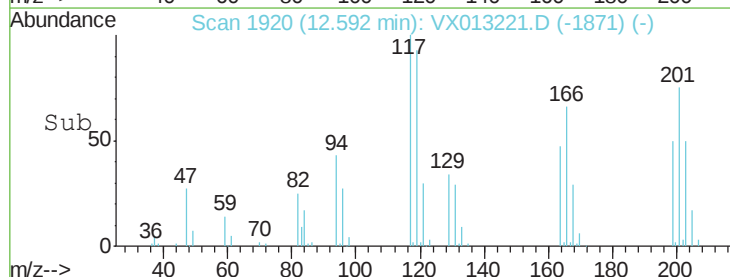
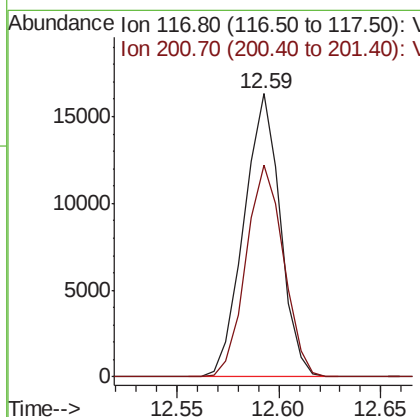
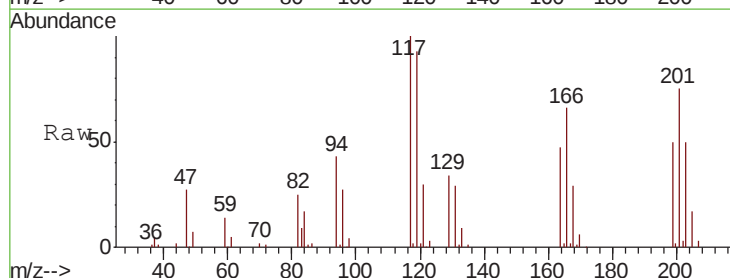
RT: 12.59 min Scan# 1920

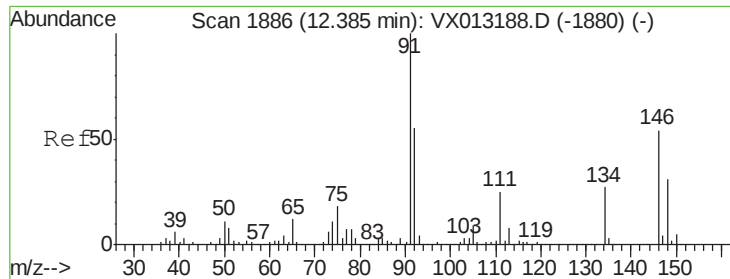
Delta R.T. -0.00 min

Lab File: VX013221.D

Acq: 25 Oct 2019 11:25

Tgt Ion:	117	Resp:	20182
Ion	Ratio	Lower	Upper
117	100		
201	77.4	39.0	116.9





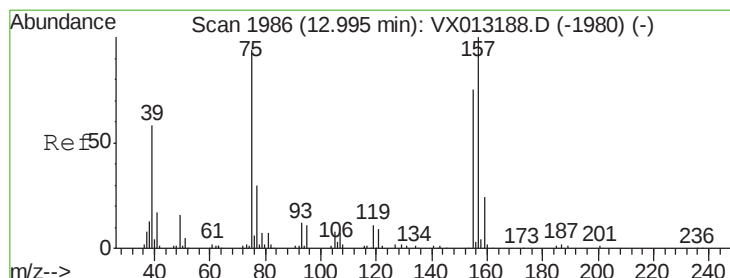
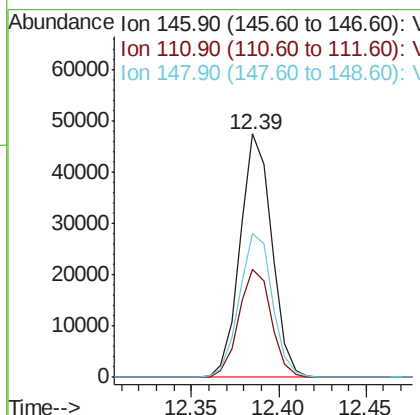
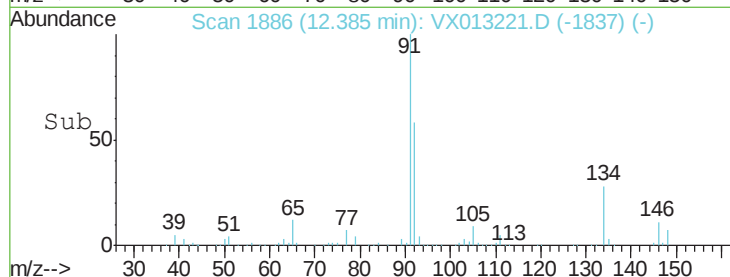
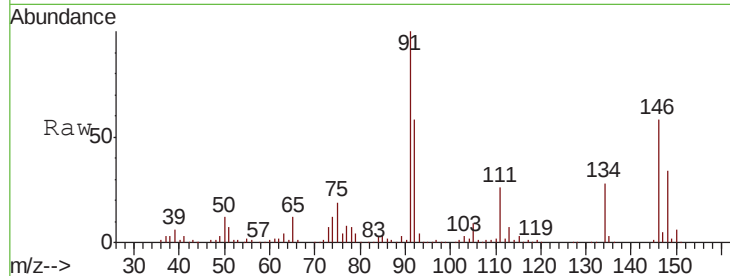
#91
1,2-Dichlorobenzene
Concen: 19.713 ug/l
RT: 12.39 min Scan# 1886
Delta R.T. -0.00 min
Lab File: VX013221.D
Acq: 25 Oct 2019 11:25

Instrument :
MSVOA_X
ClientSampleId :
VX1025WBS02

Tot Ion:146 Resp: 59965
Ion Ratio Lower Upper
146 100
111 44.9 22.9 68.8
148 61.6 31.8 95.3

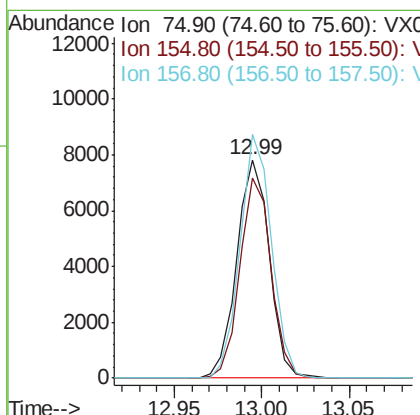
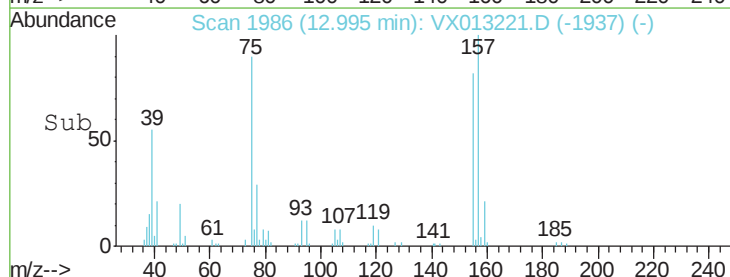
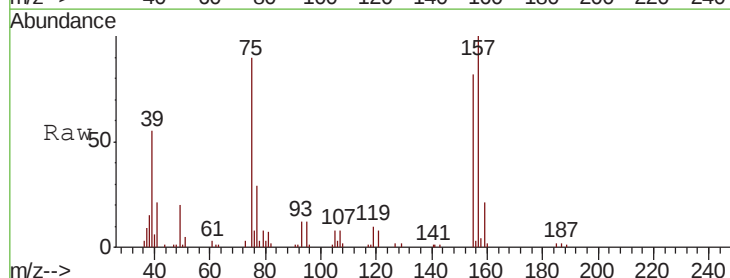
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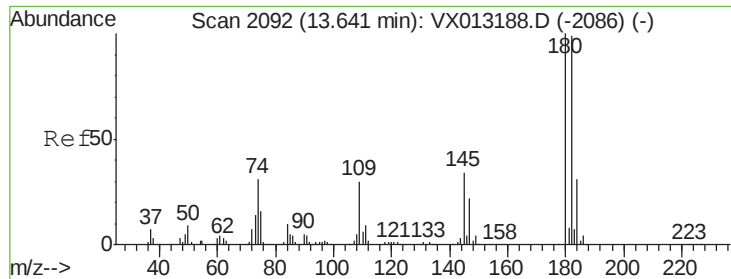
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#92
1,2-Dibromo-3-Chloropropane
Concen: 18.774 ug/l
RT: 12.99 min Scan# 1986
Delta R.T. -0.00 min
Lab File: VX013221.D
Acq: 25 Oct 2019 11:25

Tgt Ion: 75 Resp: 10128
Ion Ratio Lower Upper
75 100
155 87.6 42.8 128.4
157 107.7 54.3 162.8





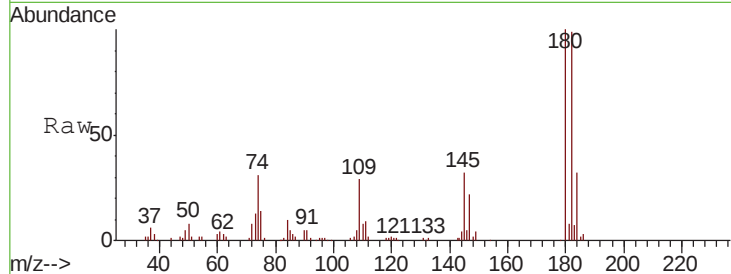
#93
 1,2,4-Trichlorobenzene
 Concen: 18.049 ug/l
 RT: 13.64 min Scan# 2092
 Delta R.T. -0.00 min
 Lab File: VX013221.D
 Acq: 25 Oct 2019 11:25

Instrument :
 MSVOA_X
 ClientSampleId :
 VX1025WBS02

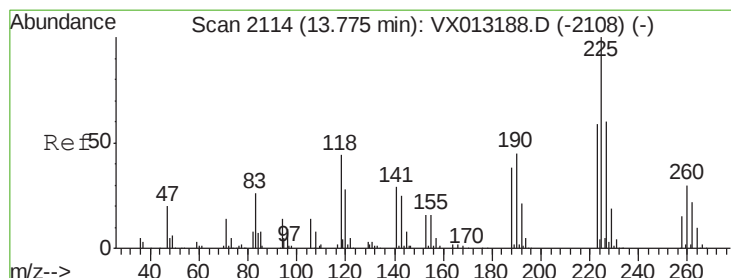
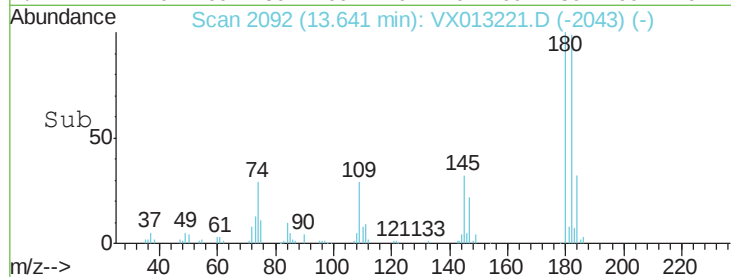
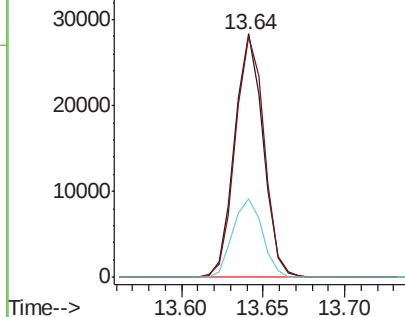
Tot Ion	Ratio	Lower	Upper
180	100		
182	100.4	45.9	137.6
145	33.4	15.9	47.6

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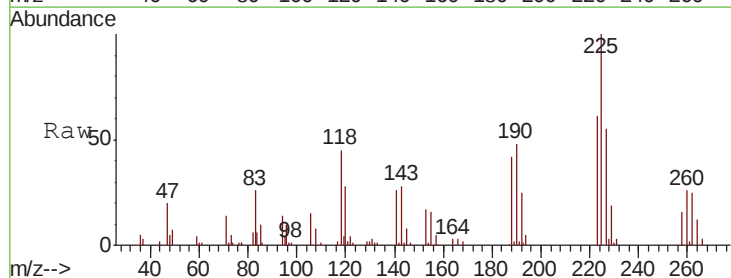


Abundance Ion 179.80 (179.50 to 180.50): V
 Ion 181.80 (181.50 to 182.50): V
 Ion 144.80 (144.50 to 145.50): V

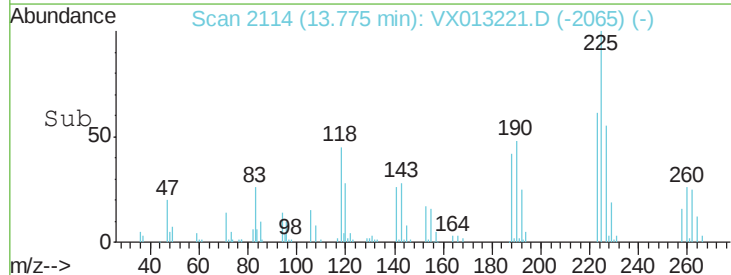
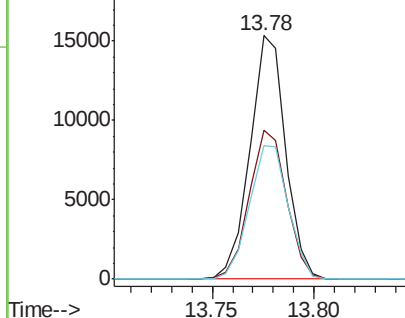


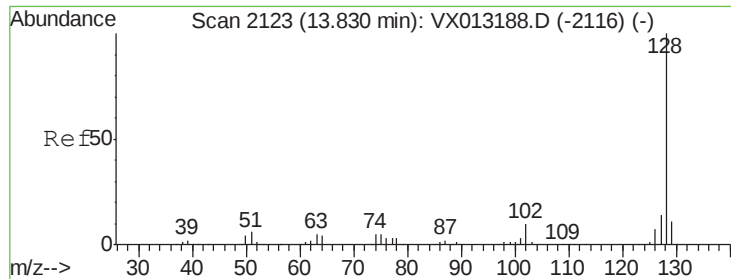
#94
 Hexachlorobutadiene
 Concen: 18.904 ug/l
 RT: 13.78 min Scan# 2114
 Delta R.T. -0.00 min
 Lab File: VX013221.D
 Acq: 25 Oct 2019 11:25

Tgt Ion	Ratio	Lower	Upper
225	100		
223	63.7	30.9	92.5
227	59.5	30.3	90.9



Abundance Ion 224.70 (224.40 to 225.40): V
 Ion 222.70 (222.40 to 223.40): V
 Ion 226.70 (226.40 to 227.40): V





#95

Naphthalene

Concen: 19.104 ug/l

RT: 13.83 min Scan# 2123

Delta R.T. -0.00 min

Lab File: VX013221.D

Acq: 25 Oct 2019 11:25

Instrument :

MSVOA_X

ClientSampleId :

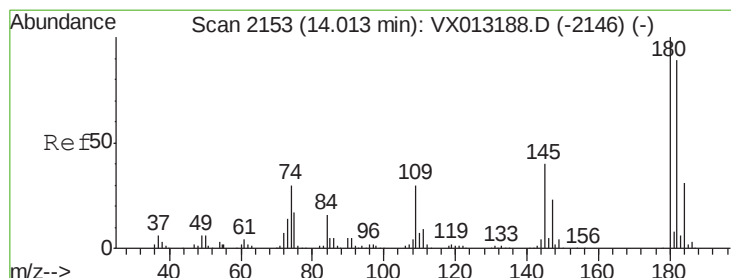
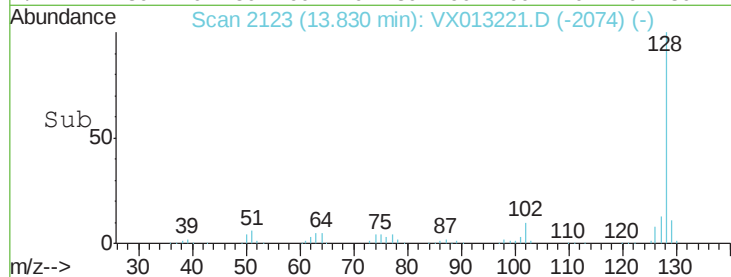
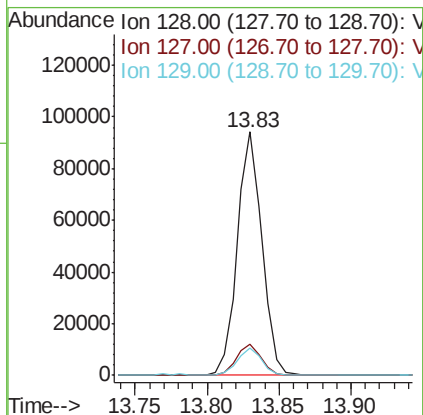
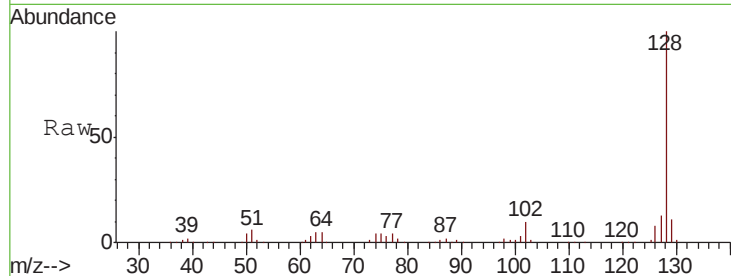
VX1025WBS02

Tot Ion:128 Resp: 112310

Ion	Ratio	Lower	Upper
128	100		
127	12.9	10.7	16.1
129	11.1	8.6	13.0

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#96

1,2,3-Trichlorobenzene

Concen: 19.093 ug/l

RT: 14.01 min Scan# 2153

Delta R.T. -0.00 min

Lab File: VX013221.D

Acq: 25 Oct 2019 11:25

Tgt Ion:180 Resp: 36139

Ion	Ratio	Lower	Upper
180	100		
182	95.2	48.3	144.9
145	35.6	18.6	55.6

