

Data Path : Z:\VOASRV\HPCHEM1\MSVOA X\DATA\WX102819\
 Data File : VX013249.D
 Acq On : 28 Oct 2019 15:48
 Operator : JC/SP
 Sample : VX1028WBSD01
 Misc : 5.0mL/MSVOA X/WATER
 ALS Vial : 12 Sample Multiplier: 1

Instrument :
 MSVOA_X
 ClientSampleId :
 VX1028WBSD01

Manual Integrations
 APPROVED

MMDadoda
 10/30/2019 12:07:51 PM

Quant Time: Oct 29 14:58:38 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	78236	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	6.85	114	106829	50.00	ug/l	0.00
63) Chlorobenzene-d5	10.11	117	109638	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	12.07	152	76207	50.00	ug/l	0.00

System Monitoring Compounds	R.T.	QIon	Response	Conc	Units	Dev(Min)
33) 1,2-Dichloroethane-d4	6.05	65	79493	48.58	ug/l	0.00
Spiked Amount	50.000		Recovery	=	97.16%	
35) Dibromofluoromethane	5.48	113	61888	51.95	ug/l	0.00
Spiked Amount	50.000		Recovery	=	103.90%	
50) Toluene-d8	8.71	98	220761	50.00	ug/l	0.00
Spiked Amount	50.000		Recovery	=	100.00%	
62) 4-Bromofluorobenzene	11.14	95	88955	50.91	ug/l	0.00
Spiked Amount	50.000		Recovery	=	101.82%	

Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
2) Dichlorodifluoromethane	1.19	85	28450	18.022	ug/l	99
3) Chloromethane	1.32	50	22360	17.840	ug/l	95
4) Vinyl Chloride	1.40	62	24390	17.168	ug/l	99
5) Bromomethane	1.63	94	15649	20.782	ug/l	98
6) Chloroethane	1.72	64	15952	18.451	ug/l	99
7) Trichlorofluoromethane	1.92	101	44069	19.839	ug/l	98
8) Diethyl Ether	2.17	74	13862	18.029	ug/l	99
9) 1,1,2-Trichlorotrifluoroet	2.37	101	26288	18.934	ug/l	99
10) Methyl Iodide	2.50	142	27493	18.145	ug/l	99
11) Tert butyl alcohol	3.03	59	31570	88.244	ug/l	99
12) 1,1-Dichloroethene	2.36	96	23876	17.915	ug/l	91
13) Acrolein	2.28	56	13841	72.094	ug/l	97
14) Allyl chloride	2.72	41	36969	17.620	ug/l	97
15) Acrylonitrile	3.13	53	62012	85.977	ug/l	99
16) Acetone	2.43	43	68969	89.464	ug/l	97
17) Carbon Disulfide	2.56	76	59616	16.638	ug/l	99
18) Methyl Acetate	2.76	43	30191	18.556	ug/l	97
19) Methyl tert-butyl Ether	3.18	73	88155	18.783	ug/l	96
20) Methylene Chloride	2.84	84	27526	19.272	ug/l	97
21) trans-1,2-Dichloroethene	3.15	96	26025	19.065	ug/l	91
22) Diisopropyl ether	3.84	45	75038	18.291	ug/l	# 88
23) Vinyl Acetate	3.80	43	317360	91.013	ug/l	98
24) 1,1-Dichloroethane	3.69	63	46076	18.259	ug/l	98
25) 2-Butanone	4.65	43	88255	85.363	ug/l	93
26) 2,2-Dichloropropane	4.57	77	44008	18.870	ug/l	99
27) cis-1,2-Dichloroethene	4.58	96	29955	18.352	ug/l	99
28) Bromochloromethane	5.00	49	12634	19.417	ug/l	98
29) Tetrahydrofuran	5.11	42	51819	83.152	ug/l	99
30) Chloroform	5.20	83	52073	19.382	ug/l	95
31) Cyclohexane	5.56	56	38727	18.300	ug/l	96
32) 1,1,1-Trichloroethane	5.48	97	46119	19.306	ug/l	97
36) 1,1-Dichloropropene	5.79	75	36109	20.147	ug/l	98
37) Ethyl Acetate	4.82	43	32714	18.376	ug/l	99
38) Carbon Tetrachloride	5.78	117	40022	20.268	ug/l	98

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 Quant Title : SW846 8260
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 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
39) Methylcyclohexane	7.45	83	43256	18.914	ug/l	98
40) Benzene	6.13	78	105480	19.658	ug/l	96
41) Methacrylonitrile	5.03	41	18796	19.693	ug/l	98
42) 1,2-Dichloroethane	6.18	62	42721	21.116	ug/l	99
43) Isopropyl Acetate	6.43	43	55873	18.903	ug/l	99
44) Trichloroethene	7.20	130	30474	20.010	ug/l	93
45) 1,2-Dichloropropane	7.51	63	25393	18.894	ug/l	94
46) Dibromomethane	7.65	93	19667	20.311	ug/l	96
47) Bromodichloromethane	7.89	83	37965	20.119	ug/l	99
48) Methyl methacrylate	7.76	41	28084	19.224	ug/l	98
49) 1,4-Dioxane	7.73	88	12513	336.542	ug/l	98
51) 4-Methyl-2-Pentanone	8.64	43	168025	93.264	ug/l	100
52) Toluene	8.78	92	69326	19.495	ug/l	99
53) t-1,3-Dichloropropene	9.04	75	41618	20.755	ug/l	100
54) cis-1,3-Dichloropropene	8.43	75	43657	19.902	ug/l	96
55) 1,1,2-Trichloroethane	9.21	97	28233	20.081	ug/l	95
56) Ethyl methacrylate	9.17	69	41959	19.829	ug/l	98
57) 1,3-Dichloropropane	9.37	76	46143	19.451	ug/l	99
58) 2-Chloroethyl Vinyl ether	8.30	63	84273	102.066	ug/l	97
59) 2-Hexanone	9.48	43	129072	93.007	ug/l	99
60) Dibromochloromethane	9.57	129	30342	20.596	ug/l	99
61) 1,2-Dibromoethane	9.67	107	30147	20.198	ug/l	98
64) Tetrachloroethene	9.33	164	30511	21.454	ug/l	94
65) Chlorobenzene	10.14	112	74739	19.474	ug/l	100
66) 1,1,1,2-Tetrachloroethane	10.21	131	29553	20.844	ug/l	96
67) Ethyl Benzene	10.25	91	132893	19.342	ug/l	97
68) m/p-Xylenes	10.35	106	101568	39.116	ug/l	99
69) o-Xylene	10.70	106	48057	19.293	ug/l	96
70) Styrene	10.71	104	83469	19.461	ug/l	99
71) Bromoform	10.85	173	21321	20.581	ug/l #	98
73) Isopropylbenzene	11.01	105	134348	19.414	ug/l	99
74) N-amyl acetate	10.89	43	45365	17.861	ug/l	99
75) 1,1,2,2-Tetrachloroethane	11.26	83	38804	18.467	ug/l	97
76) 1,2,3-Trichloropropane	11.29	75	39852m	21.697	ug/l	
77) Bromobenzene	11.25	156	30854	18.602	ug/l	97
78) n-propylbenzene	11.35	91	143195	19.049	ug/l	100
79) 2-Chlorotoluene	11.42	91	88434	18.619	ug/l	99
80) 1,3,5-Trimethylbenzene	11.50	105	108410	18.847	ug/l	93
81) trans-1,4-Dichloro-2-buten	11.07	75	12431	18.598	ug/l	96
82) 4-Chlorotoluene	11.51	91	108674	20.194	ug/l	97
83) tert-Butylbenzene	11.76	119	107220	18.840	ug/l	97
84) 1,2,4-Trimethylbenzene	11.80	105	116125	20.015	ug/l	98
85) sec-Butylbenzene	11.94	105	126568	19.543	ug/l	100
86) p-Isopropyltoluene	12.06	119	122214	20.087	ug/l	99
87) 1,3-Dichlorobenzene	12.02	146	56979	19.016	ug/l	97
88) 1,4-Dichlorobenzene	12.09	146	57927	18.988	ug/l	98
89) n-Butylbenzene	12.39	91	91302	18.344	ug/l	97
90) Hexachloroethane	12.59	117	19019	18.666	ug/l	92
91) 1,2-Dichlorobenzene	12.39	146	52241	17.730	ug/l	96
92) 1,2-Dibromo-3-Chloropropan	12.99	75	9645	18.458	ug/l	98

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ClientSampleId :
VX1028WBSD01

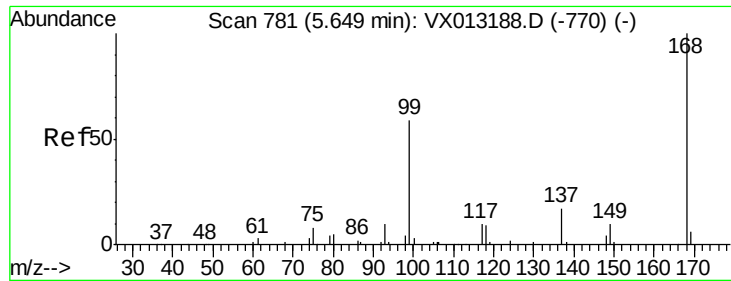
Manual Integrations
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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
93) 1,2,4-Trichlorobenzene	13.64	180	34439	18.562	ug/l	94
94) Hexachlorobutadiene	13.78	225	18373	19.143	ug/l	96
95) Naphthalene	13.83	128	106248	18.658	ug/l	99
96) 1,2,3-Trichlorobenzene	14.01	180	35765	19.507	ug/l	97

(#) = 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: VX013249.D

Acq: 28 Oct 2019 15:48

Instrument :

MSVOA_X

ClientSampleId :

VX1028WBSD01

Tot Ion:168 Resp: 78236

Ion Ratio Lower Upper

168 100

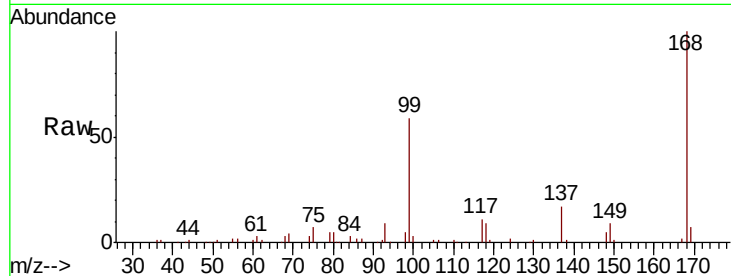
99 59.3 47.0 70.4

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Abundance Ion 167.90 (167.60 to 168.60): V

Ion 98.90 (98.60 to 99.60): VX0

5.65

30000

25000

20000

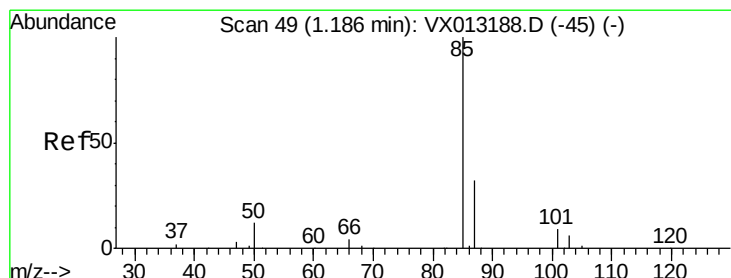
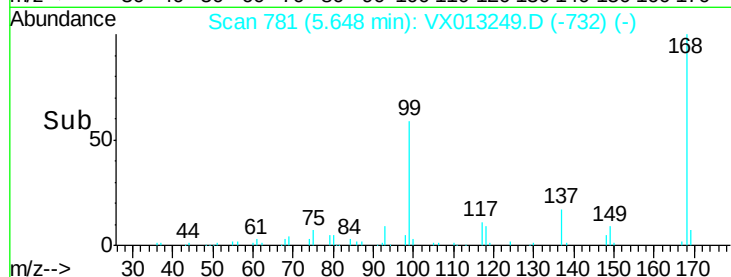
15000

10000

5000

0

Time-->



#2

Dichlorodifluoromethane

Concen: 18.022 ug/l

RT: 1.19 min Scan# 50

Delta R.T. 0.01 min

Lab File: VX013249.D

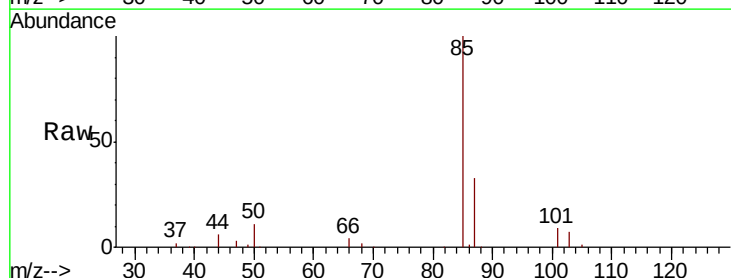
Acq: 28 Oct 2019 15:48

Tgt Ion: 85 Resp: 28450

Ion Ratio Lower Upper

85 100

87 32.9 16.2 48.6



Abundance Ion 84.90 (84.60 to 85.60): VX0

Ion 86.90 (86.60 to 87.60): VX0

1.19

30000

25000

20000

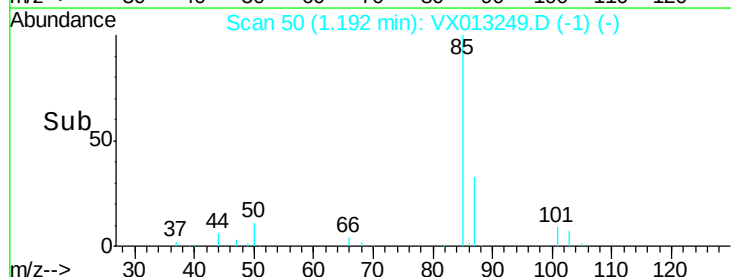
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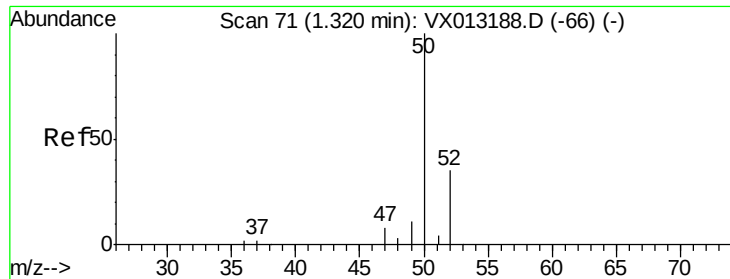
10000

5000

0

Time-->





#3

Chloromethane

Concen: 17.840 ug/l

RT: 1.32 min Scan# 71

Delta R.T. -0.00 min

Lab File: VX013249.D

Acq: 28 Oct 2019 15:48

Instrument :

MSVOA_X

ClientSampleId :

VX1028WBSD01

Tot Ion: 50 Resp: 22360

Ion Ratio Lower Upper

50 100

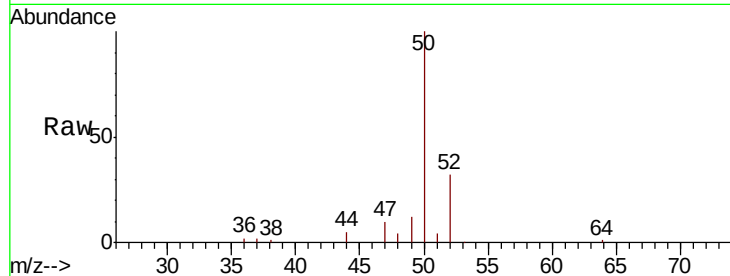
52 31.9 27.8 41.6

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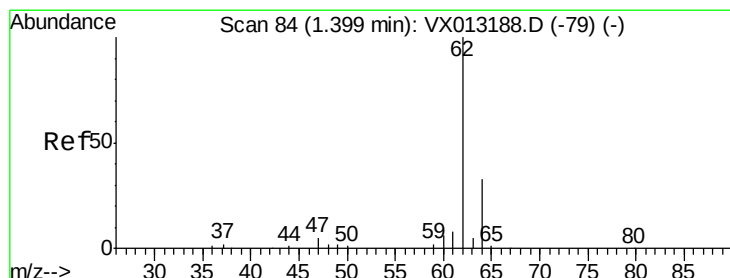
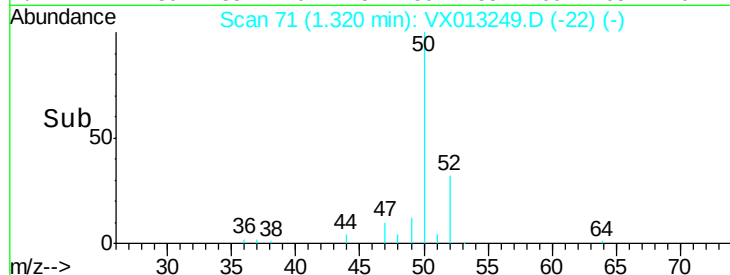
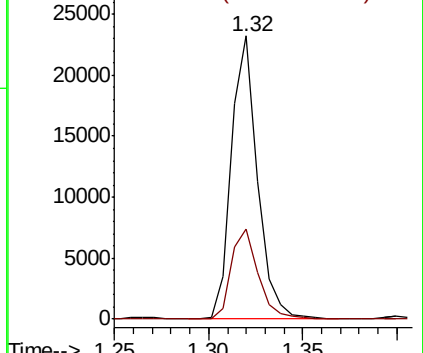
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Abundance Ion 49.90 (49.60 to 50.60): VX0

Ion 51.90 (51.60 to 52.60): VX0



#4

Vinyl Chloride

Concen: 17.168 ug/l

RT: 1.40 min Scan# 84

Delta R.T. -0.00 min

Lab File: VX013249.D

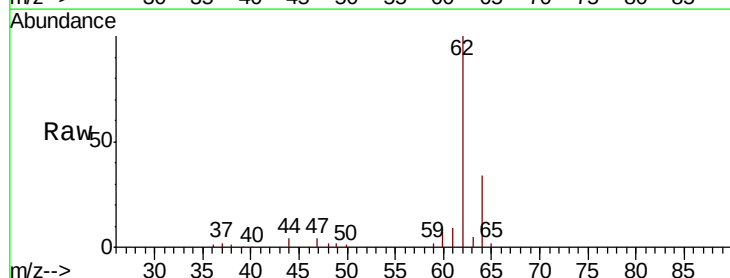
Acq: 28 Oct 2019 15:48

Tgt Ion: 62 Resp: 24390

Ion Ratio Lower Upper

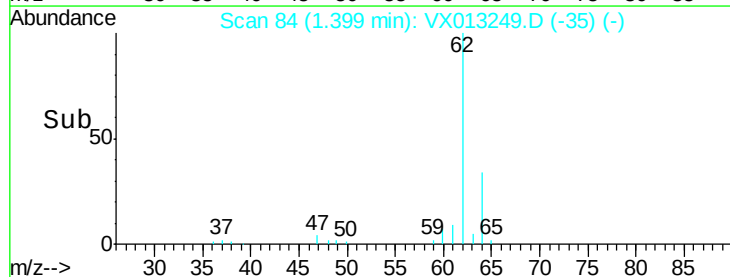
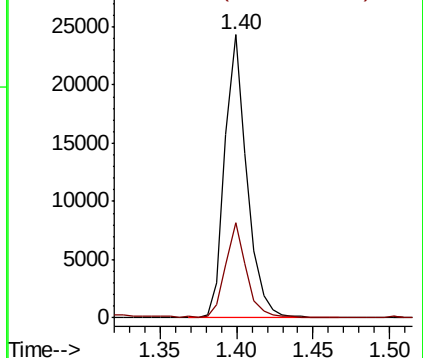
62 100

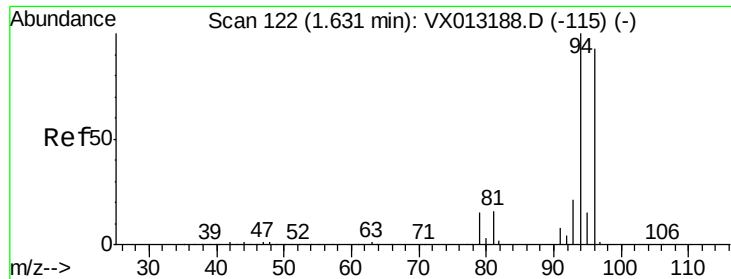
64 33.4 26.4 39.6



Abundance Ion 61.90 (61.60 to 62.60): VX0

Ion 63.90 (63.60 to 64.60): VX0





#5

Bromomethane

Concen: 20.782 ug/l

RT: 1.63 min Scan# 122

Delta R.T. -0.00 min

Lab File: VX013249.D

Acq: 28 Oct 2019 15:48

Instrument :

MSVOA_X

ClientSampleId :

VX1028WBSD01

Tot Ion: 94 Resp: 15649

Ion Ratio Lower Upper

94 100

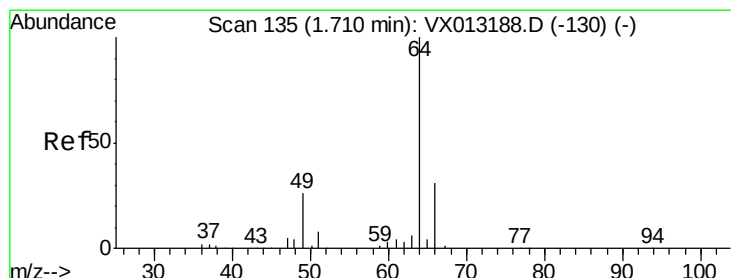
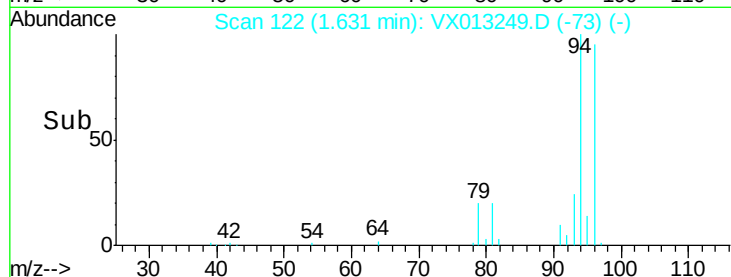
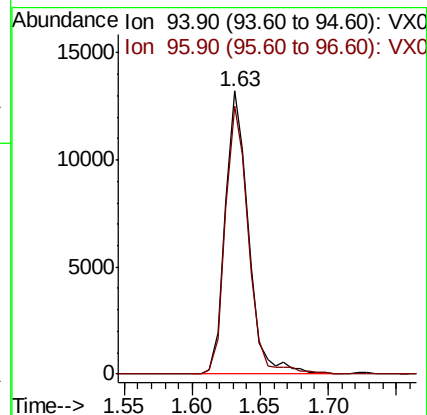
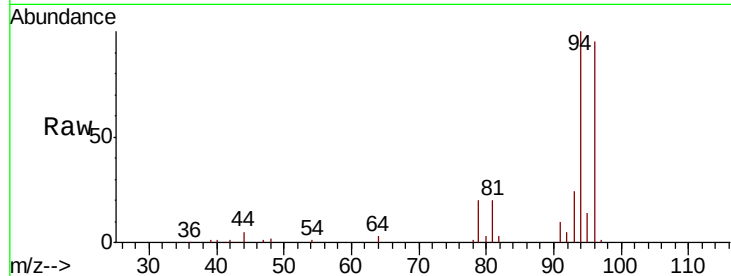
96 94.9 74.2 111.2

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#6

Chloroethane

Concen: 18.451 ug/l

RT: 1.72 min Scan# 136

Delta R.T. 0.01 min

Lab File: VX013249.D

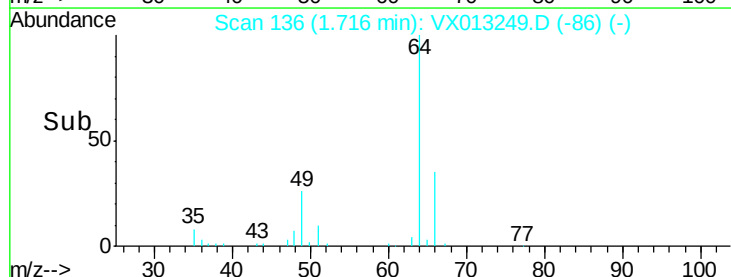
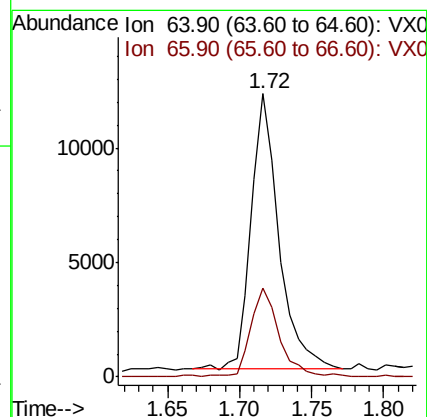
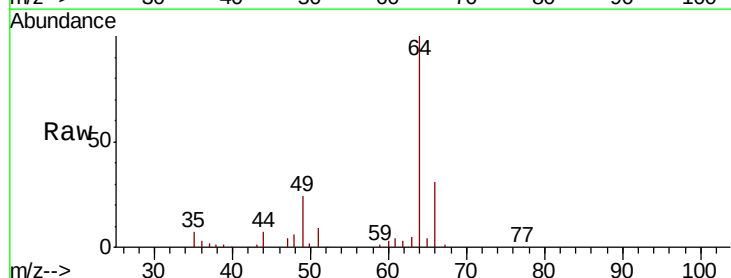
Acq: 28 Oct 2019 15:48

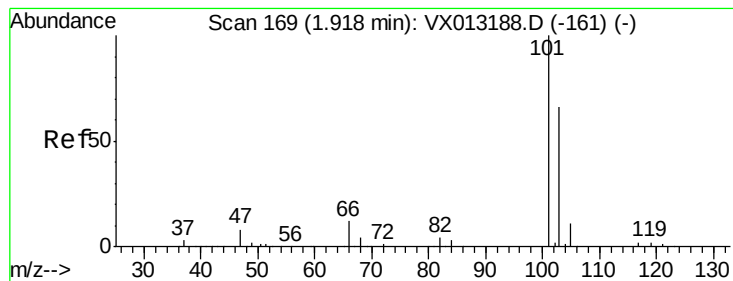
Tgt Ion: 64 Resp: 15952

Ion Ratio Lower Upper

64 100

66 31.6 25.0 37.6





#7

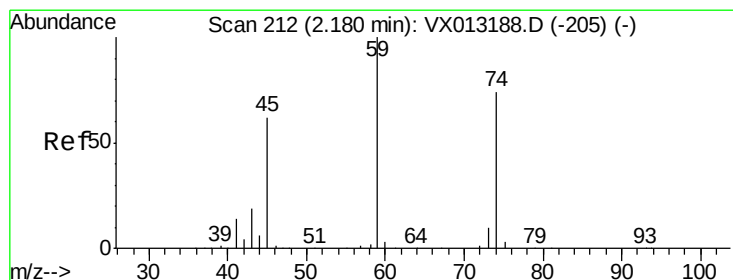
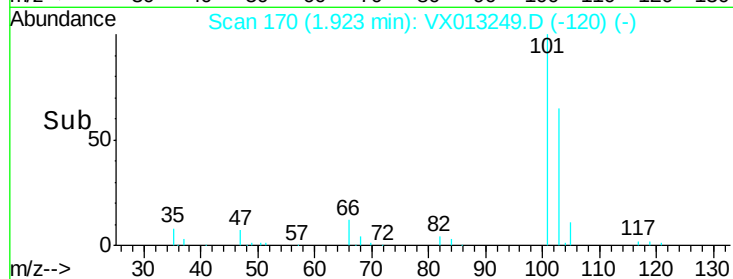
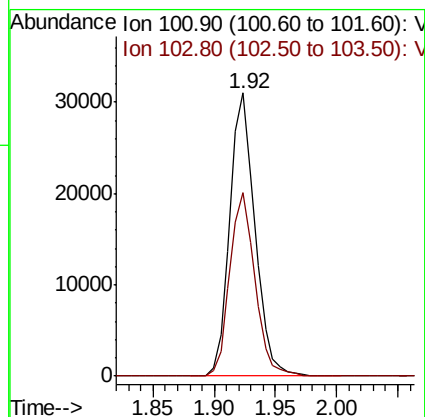
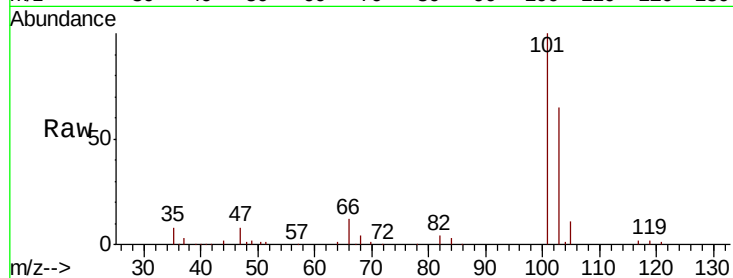
Trichlorofluoromethane
 Concen: 19.839 ug/l
 RT: 1.92 min Scan# 170
 Delta R.T. 0.01 min
 Lab File: VX013249.D
 Acq: 28 Oct 2019 15:48

Instrument :
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 ClientSampleId :
 VX1028WBSD01

Tot Ion:101 Resp: 44069
 Ion Ratio Lower Upper
 101 100
 103 65.0 53.0 79.6

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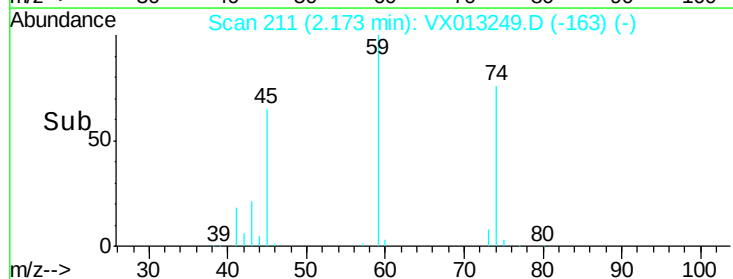
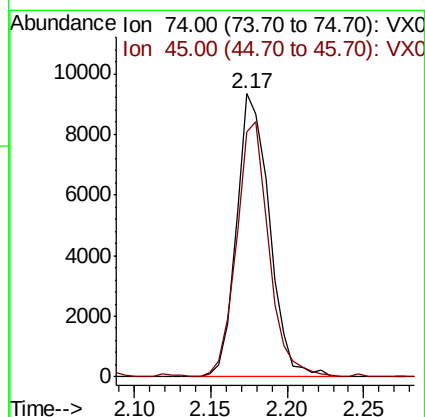
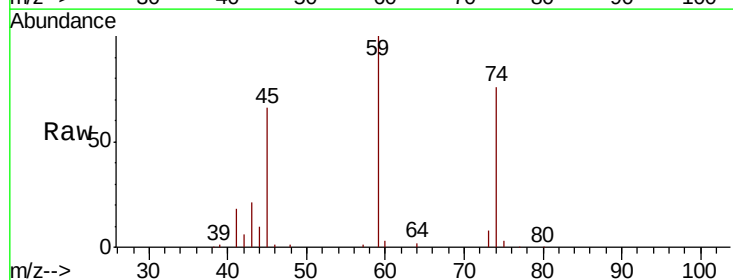
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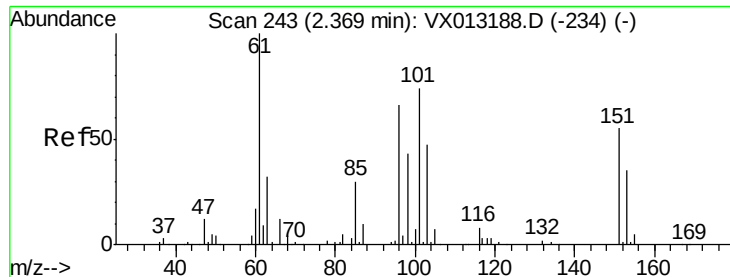


#8

Diethyl Ether
 Concen: 18.029 ug/l
 RT: 2.17 min Scan# 211
 Delta R.T. -0.01 min
 Lab File: VX013249.D
 Acq: 28 Oct 2019 15:48

Tgt Ion: 74 Resp: 13862
 Ion Ratio Lower Upper
 74 100
 45 89.0 44.8 134.3





#9

1,1,2-Trichlorotrifluoroethane

Concen: 18.934 ug/l

RT: 2.37 min Scan# 244

Delta R.T. 0.01 min

Lab File: VX013249.D

Acq: 28 Oct 2019 15:48

Instrument :

MSVOA_X

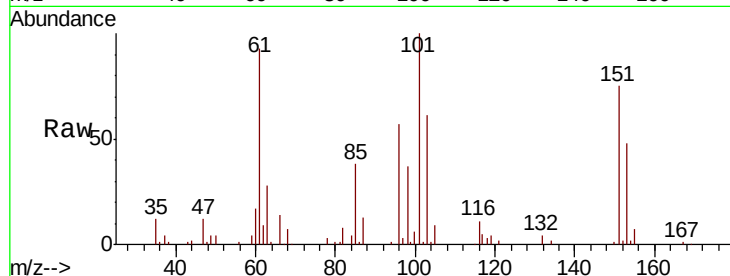
ClientSampleId :

VX1028WBSD01

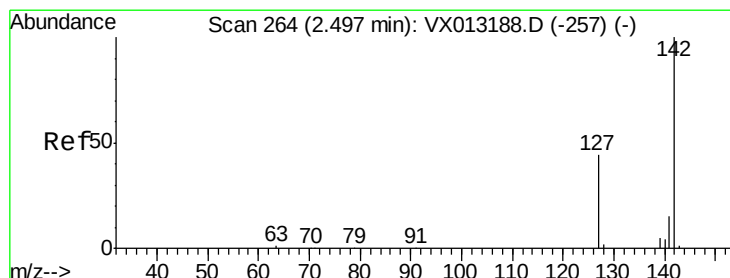
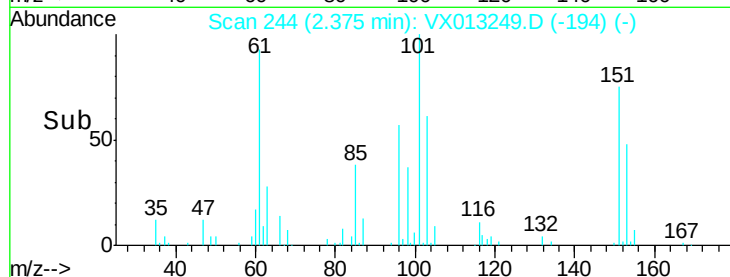
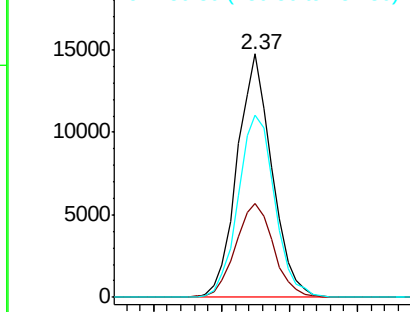
Tot Ion:	101	Resp:	26288
Ion Ratio	Lower	Upper	
101	100		
85	42.3	34.0	51.0
151	79.3	62.0	93.0

Manual Integrations
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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: 18.145 ug/l

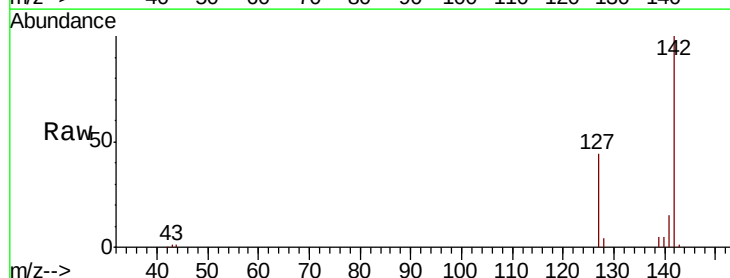
RT: 2.50 min Scan# 265

Delta R.T. 0.01 min

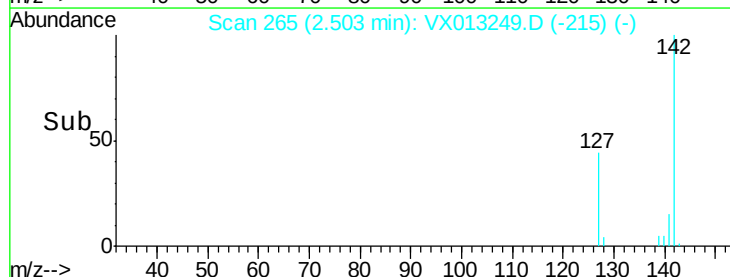
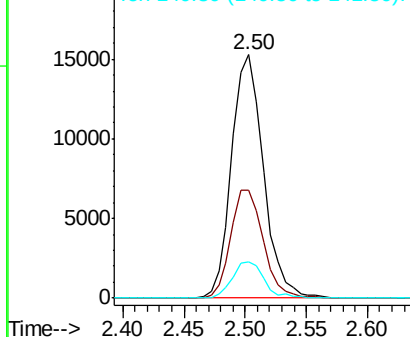
Lab File: VX013249.D

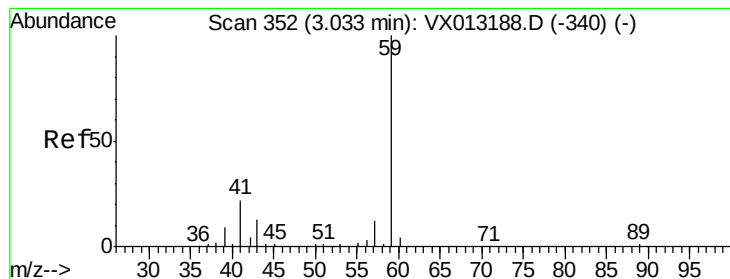
Acq: 28 Oct 2019 15:48

Tgt Ion:	142	Resp:	27493
Ion Ratio	Lower	Upper	
142	100		
127	45.3	35.6	53.4
141	14.7	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

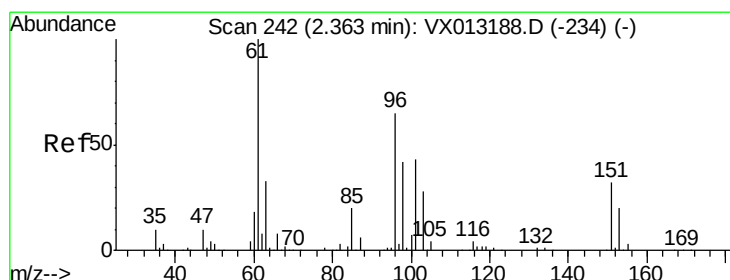
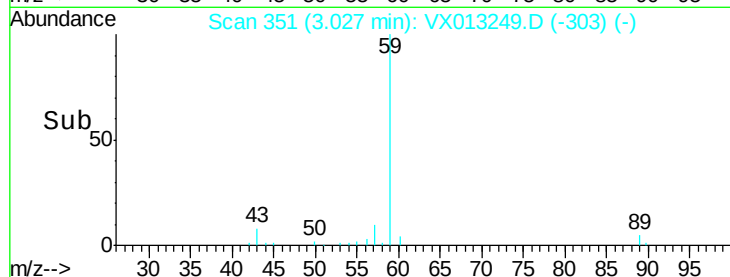
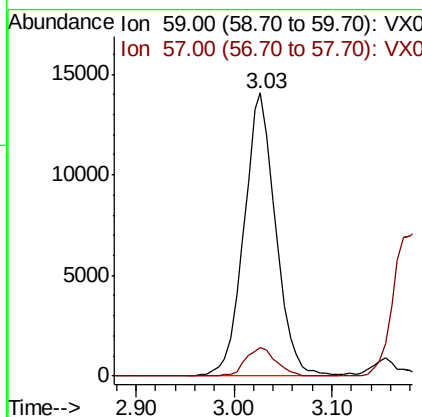
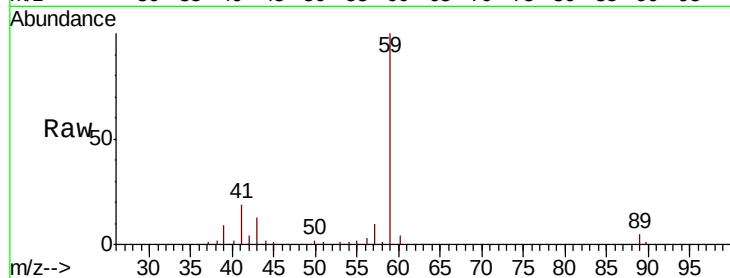
Tert butyl alcohol
Concen: 88.244 ug/l
RT: 3.03 min Scan# 351
Delta R.T. -0.01 min
Lab File: VX013249.D
Acq: 28 Oct 2019 15:48

Instrument :
MSVOA_X
ClientSampleId :
VX1028WBSD01

Tot Ion	Ratio	Lower	Upper
59	100		
57	9.8	8.2	12.4

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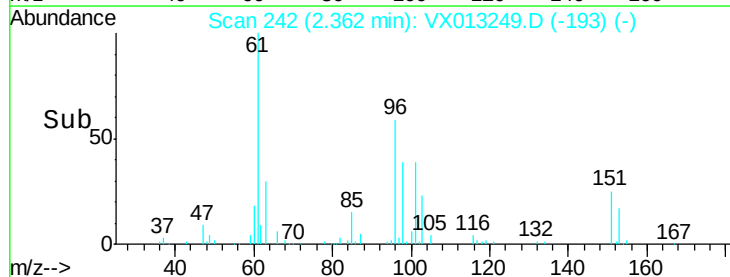
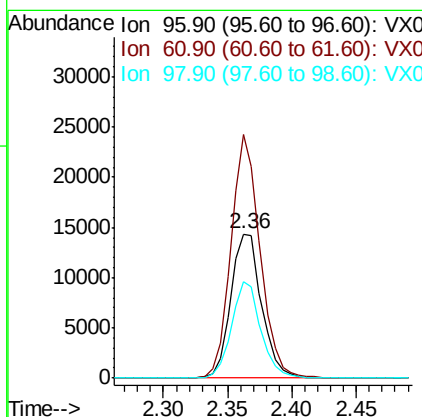
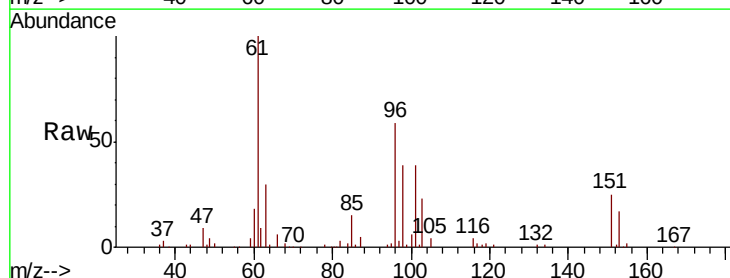
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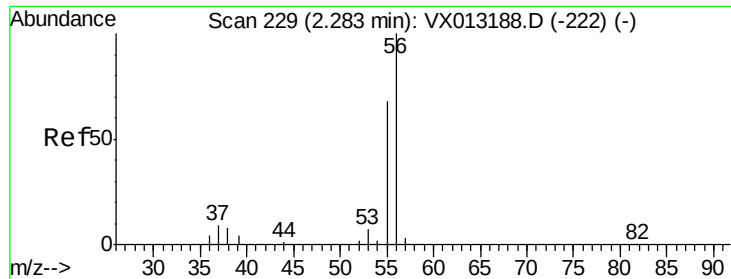


#12

1,1-Dichloroethene
Concen: 17.915 ug/l
RT: 2.36 min Scan# 242
Delta R.T. -0.00 min
Lab File: VX013249.D
Acq: 28 Oct 2019 15:48

Tgt Ion	Ratio	Lower	Upper
96	100		
61	169.2	123.8	185.8
98	66.6	51.6	77.4





#13

Acrolein

Concen: 72.094 ug/l

RT: 2.28 min Scan# 229

Delta R.T. -0.00 min

Lab File: VX013249.D

Acq: 28 Oct 2019 15:48

Instrument :

MSVOA_X

ClientSampleId :

VX1028WBSD01

Tot Ion: 56 Resp: 13841

Ion Ratio Lower Upper

56 100

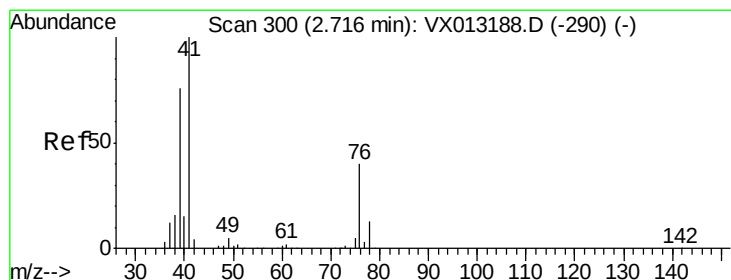
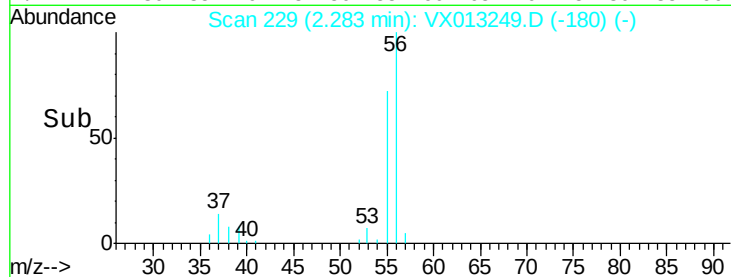
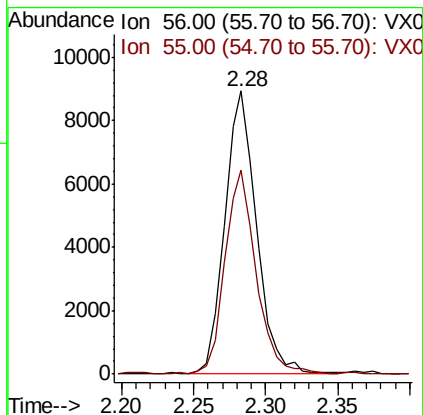
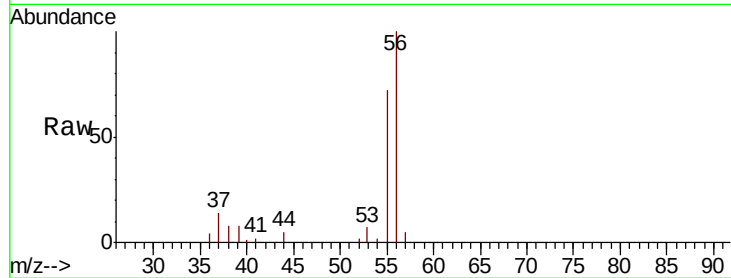
55 71.0 58.9 88.3

Manual Integrations

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#14

Allyl chloride

Concen: 17.620 ug/l

RT: 2.72 min Scan# 300

Delta R.T. -0.00 min

Lab File: VX013249.D

Acq: 28 Oct 2019 15:48

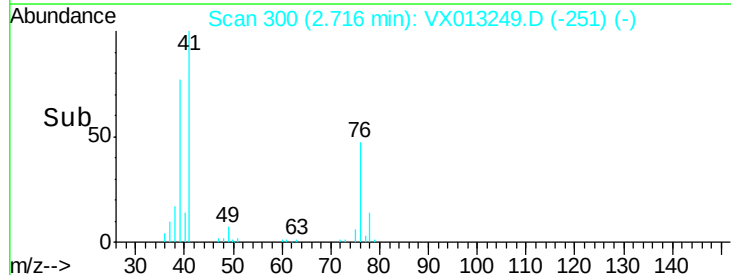
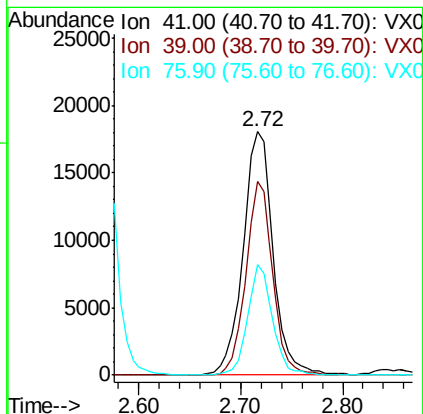
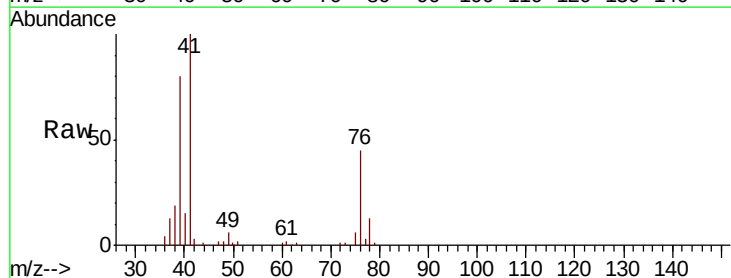
Tgt Ion: 41 Resp: 36969

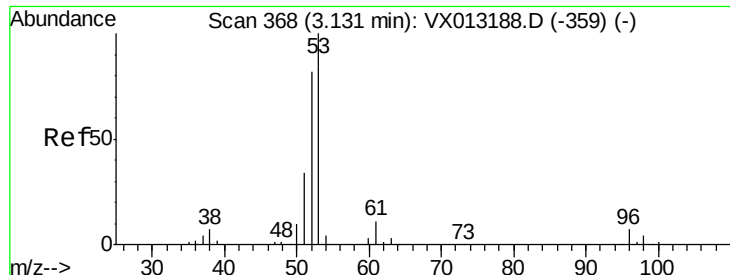
Ion Ratio Lower Upper

41 100

39 71.0 54.6 81.8

76 37.6 29.8 44.6





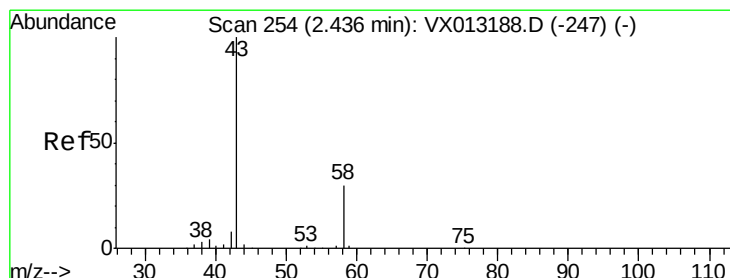
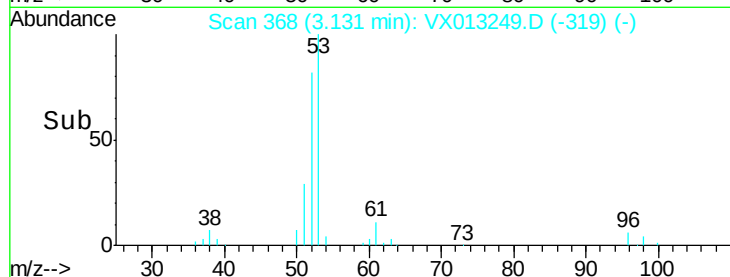
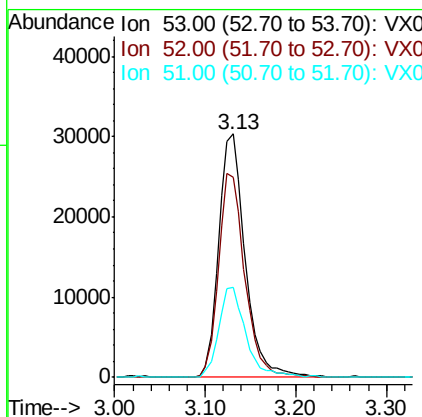
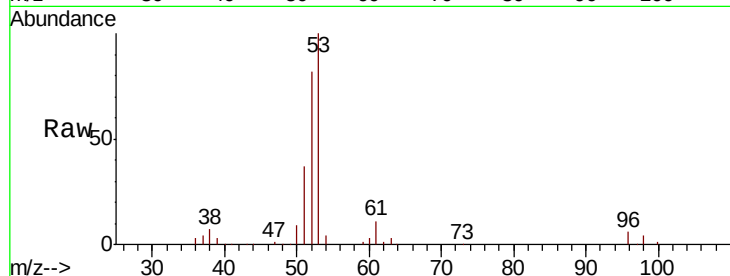
#15
 Acrylonitrile
 Concen: 85.977 ug/l
 RT: 3.13 min Scan# 368
 Delta R.T. -0.00 min
 Lab File: VX013249.D
 Acq: 28 Oct 2019 15:48

Instrument :
 MSVOA_X
 ClientSampleId :
 VX1028WBSD01

Tot Ion	Ratio	Lower	Upper
53	100		
52	83.2	66.4	99.6
51	37.9	29.4	44.2

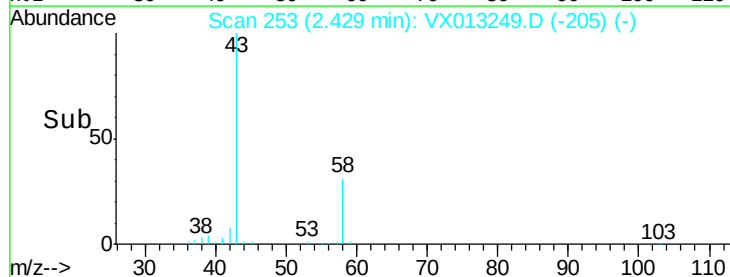
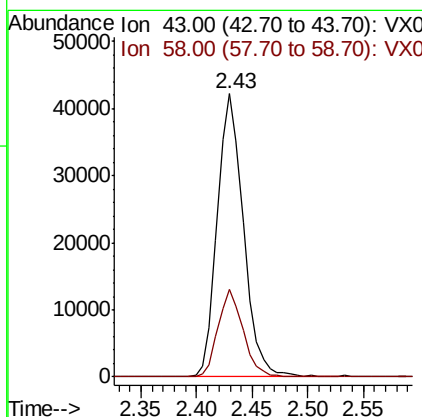
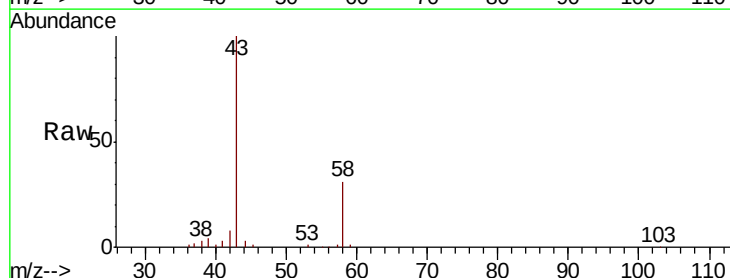
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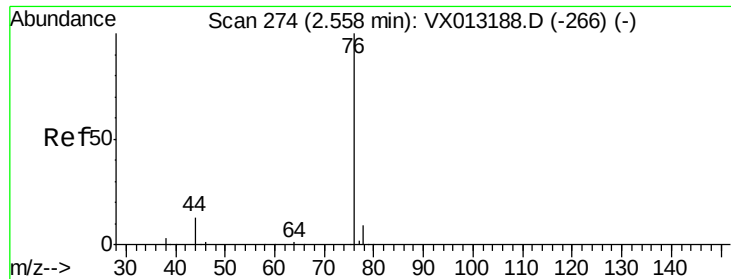
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#16
 Acetone
 Concen: 89.464 ug/l
 RT: 2.43 min Scan# 253
 Delta R.T. -0.01 min
 Lab File: VX013249.D
 Acq: 28 Oct 2019 15:48

Tgt Ion	Ratio	Lower	Upper
43	100		
58	31.1	23.8	35.6





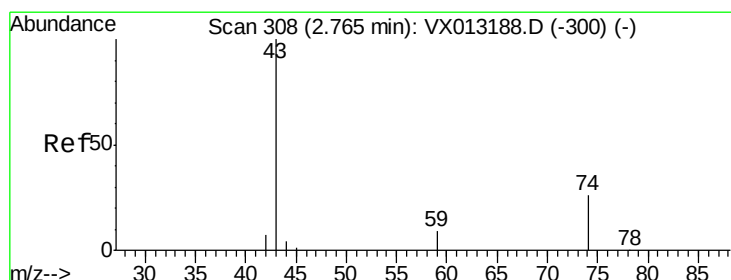
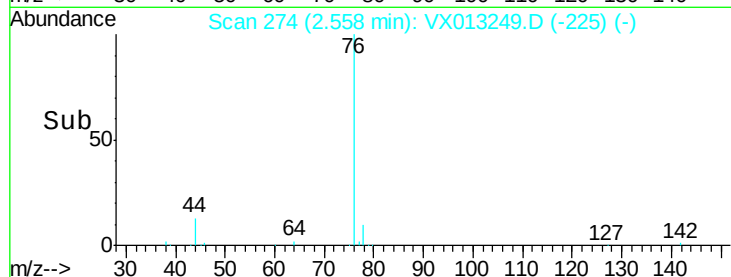
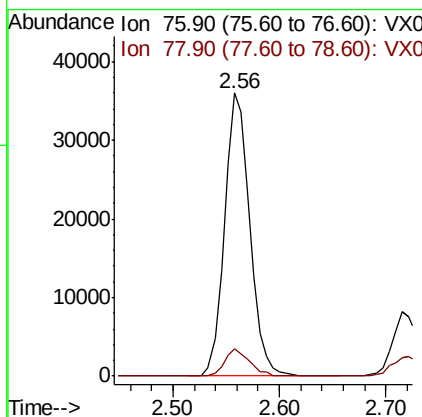
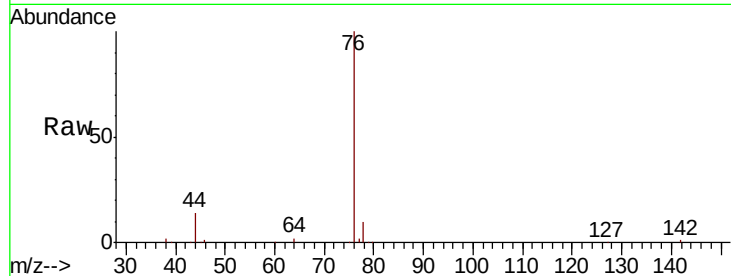
#17
Carbon Disulfide
Concen: 16.638 ug/l
RT: 2.56 min Scan# 274
Delta R.T. -0.00 min
Lab File: VX013249.D
Acq: 28 Oct 2019 15:48

Instrument :
MSVOA_X
ClientSampleId :
VX1028WBSD01

Tot Ion	Ratio	Lower	Upper
76	100		
78	9.7	7.4	11.2

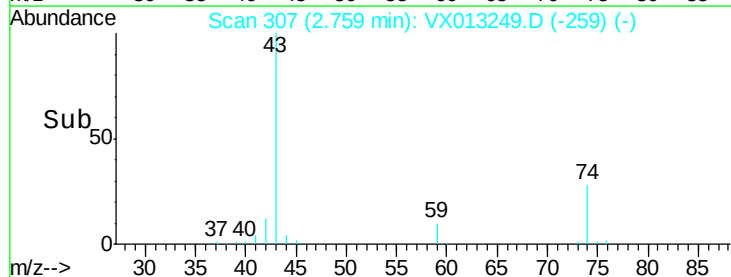
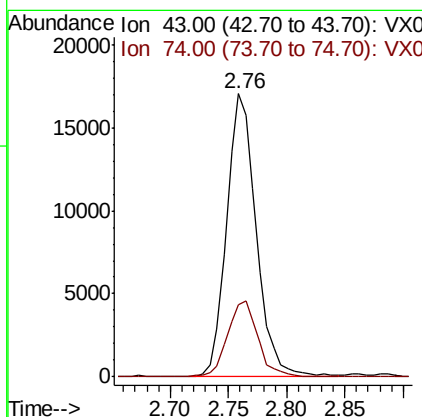
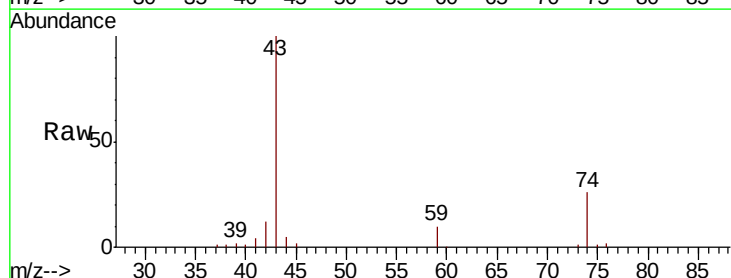
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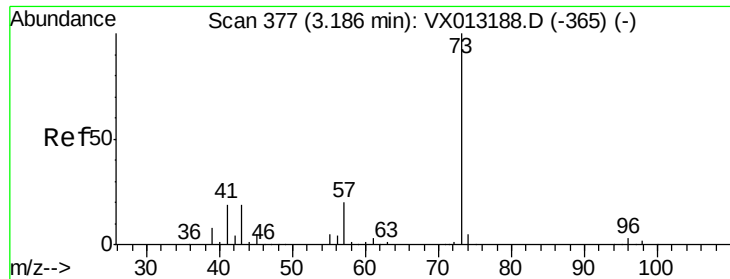
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#18
Methyl Acetate
Concen: 18.556 ug/l
RT: 2.76 min Scan# 307
Delta R.T. -0.01 min
Lab File: VX013249.D
Acq: 28 Oct 2019 15:48

Tgt Ion	Ratio	Lower	Upper
43	100		
74	27.4	20.9	31.3





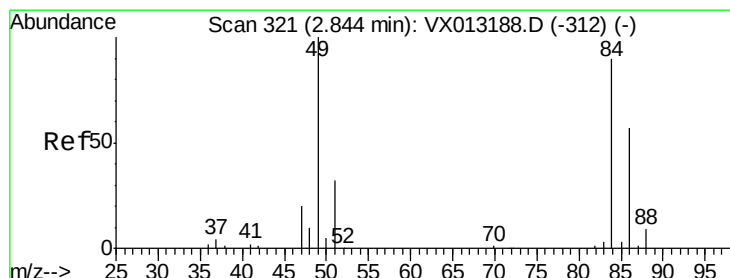
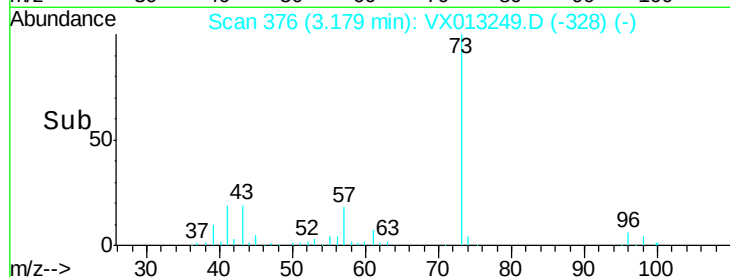
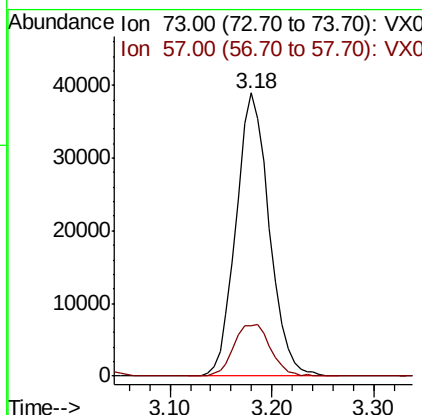
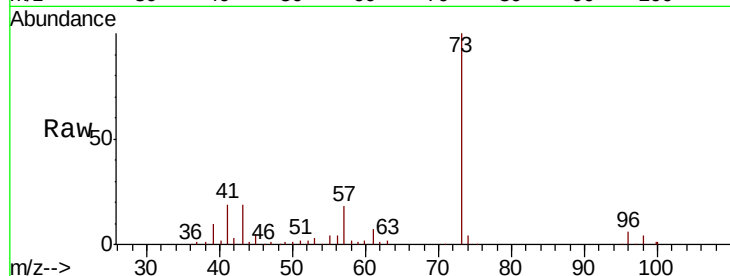
#19
Methyl tert-butyl Ether
Concen: 18.783 ug/l
RT: 3.18 min Scan# 376
Delta R.T. -0.01 min
Lab File: VX013249.D
Acq: 28 Oct 2019 15:48

Instrument :
MSVOA_X
ClientSampleId :
VX1028WBSD01

Tot Ion: 73 Resp: 88155
Ion Ratio Lower Upper
73 100
57 17.9 15.8 23.8

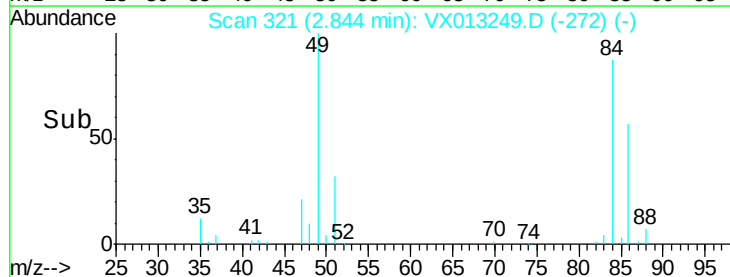
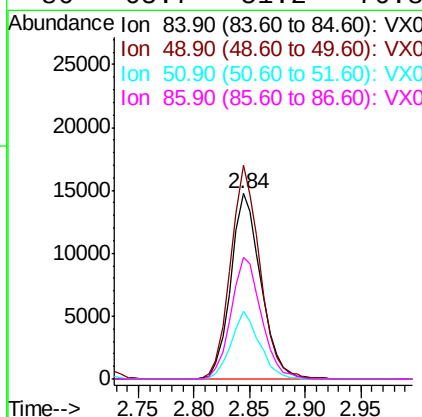
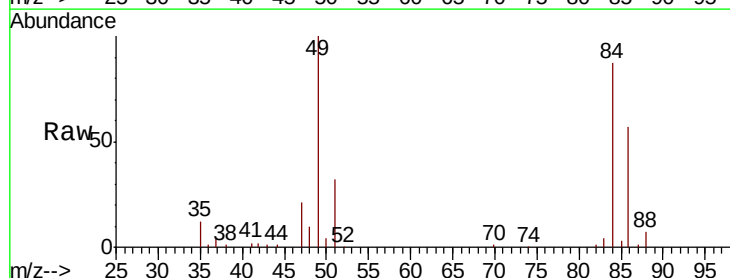
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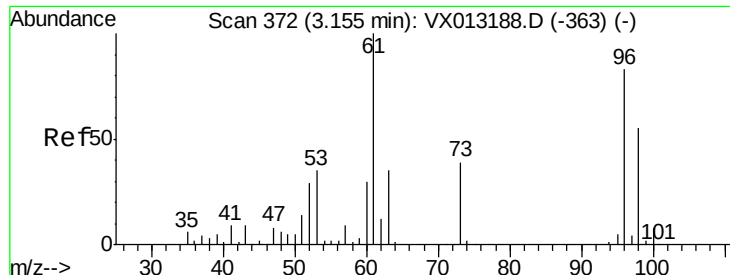
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#20
Methylene Chloride
Concen: 19.272 ug/l
RT: 2.84 min Scan# 321
Delta R.T. 0.00 min
Lab File: VX013249.D
Acq: 28 Oct 2019 15:48

Tgt Ion: 84 Resp: 27526
Ion Ratio Lower Upper
84 100
49 115.4 89.2 133.8
51 36.6 28.8 43.2
86 65.7 51.2 76.8





#21

trans-1,2-Dichloroethene

Concen: 19.065 ug/l

RT: 3.15 min Scan# 372

Delta R.T. -0.00 min

Lab File: VX013249.D

Acq: 28 Oct 2019 15:48

Instrument :

MSVOA_X

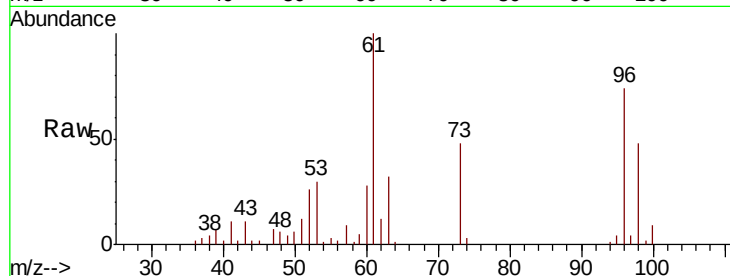
ClientSampleId :

VX1028WBSD01

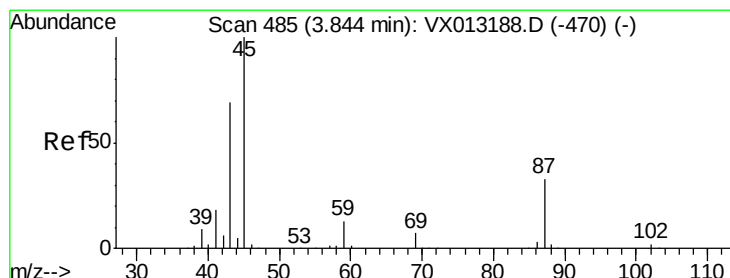
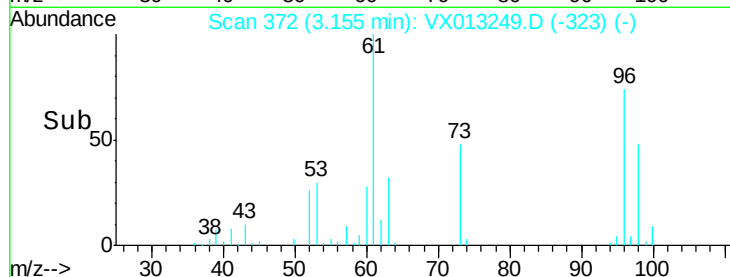
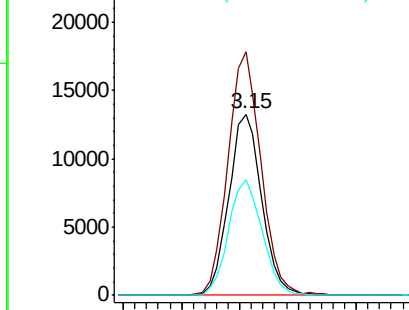
Tot Ion:	96	Resp:	26025
Ion	Ratio	Lower	Upper
96	100		
61	134.6	96.9	145.3
98	64.0	53.0	79.4

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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



#22

Diisopropyl ether

Concen: 18.291 ug/l

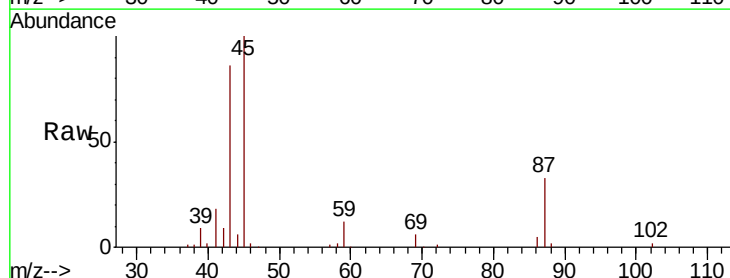
RT: 3.84 min Scan# 484

Delta R.T. -0.01 min

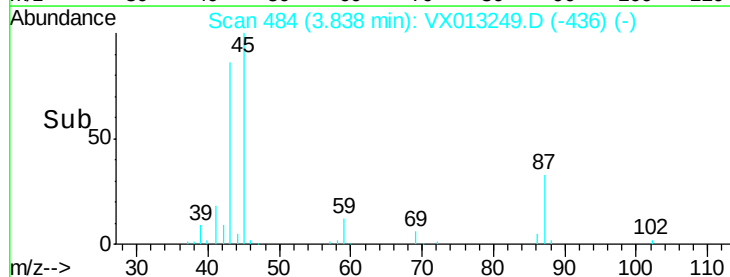
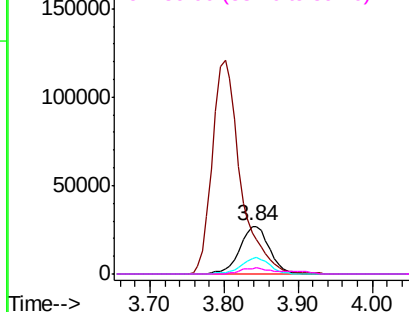
Lab File: VX013249.D

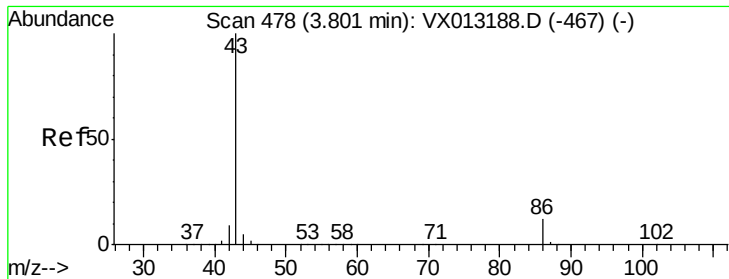
Acq: 28 Oct 2019 15:48

Tgt Ion:	45	Resp:	75038
Ion	Ratio	Lower	Upper
45	100		
43	85.5	55.5	83.3#
87	33.0	26.7	40.1
59	12.1	10.2	15.2



Abundance Ion 45.00 (44.70 to 45.70): VX0
Ion 43.00 (42.70 to 43.70): VX0
Ion 87.00 (86.70 to 87.70): VX0
Ion 59.00 (58.70 to 59.70): VX0





#23

Vinyl Acetate

Concen: 91.013 ug/l

RT: 3.80 min Scan# 478

Delta R.T. -0.00 min

Lab File: VX013249.D

Acq: 28 Oct 2019 15:48

Instrument :

MSVOA_X

ClientSampleId :

VX1028WBSD01

Tot Ion: 43 Resp: 317360

Ion Ratio Lower Upper

43 100

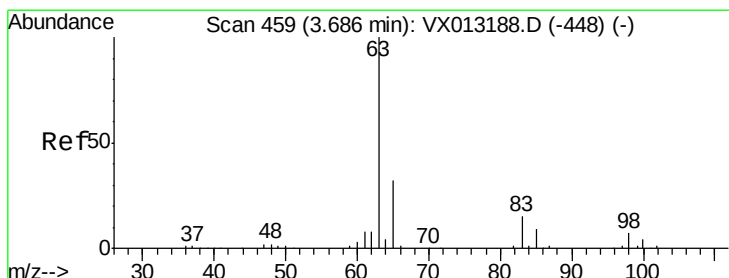
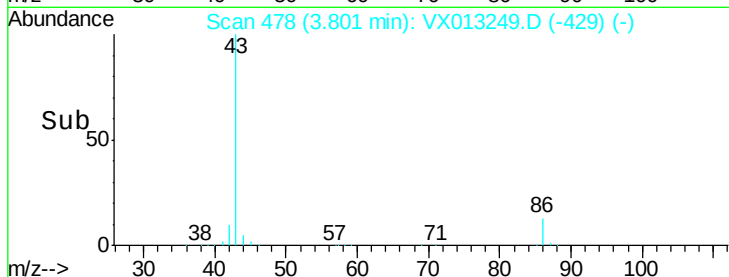
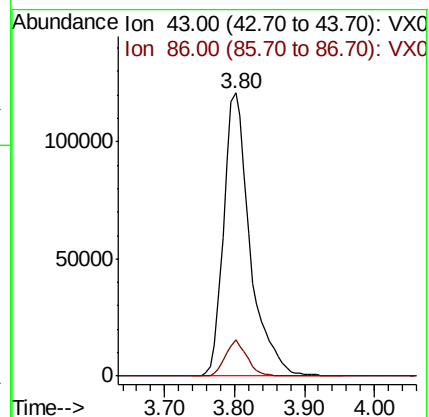
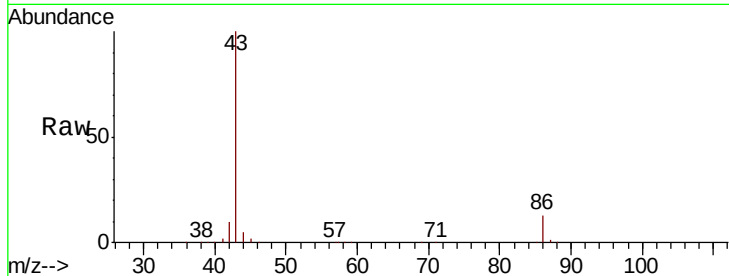
86 12.9 9.7 14.5

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#24

1,1-Dichloroethane

Concen: 18.259 ug/l

RT: 3.69 min Scan# 459

Delta R.T. -0.00 min

Lab File: VX013249.D

Acq: 28 Oct 2019 15:48

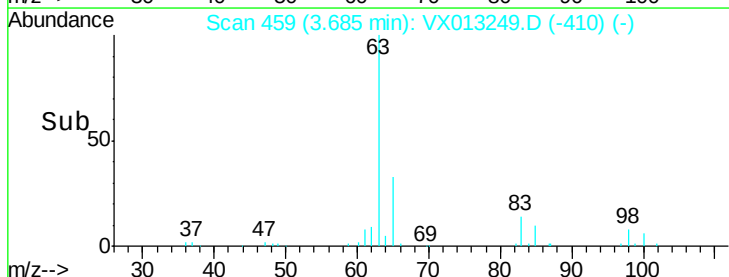
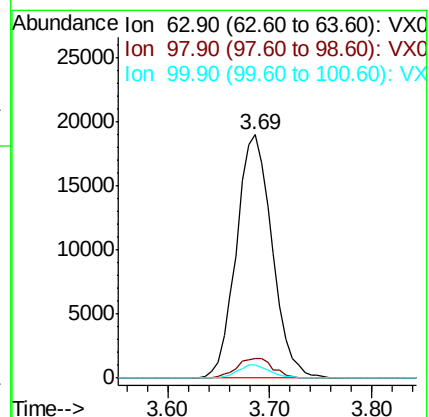
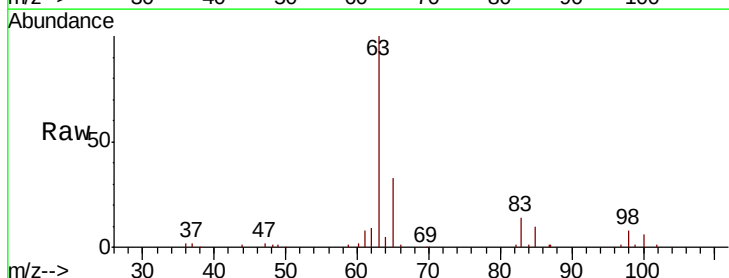
Tgt Ion: 63 Resp: 46076

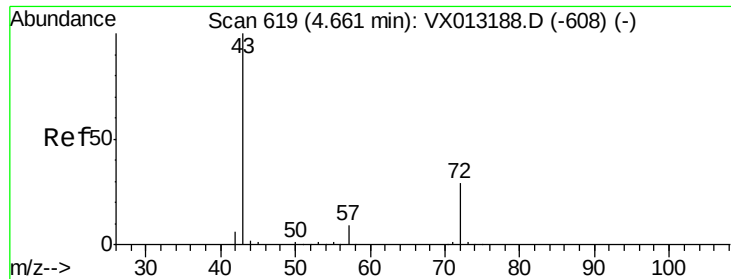
Ion Ratio Lower Upper

63 100

98 8.0 3.8 11.2

100 5.7 2.2 6.6





#25

2-Butanone

Concen: 85.363 ug/l

RT: 4.65 min Scan# 618

Delta R.T. -0.01 min

Lab File: VX013249.D

Acq: 28 Oct 2019 15:48

Instrument :

MSVOA_X

ClientSampleId :

VX1028WBSD01

Tot Ion: 43 Resp: 88255

Ion Ratio Lower Upper

43 100

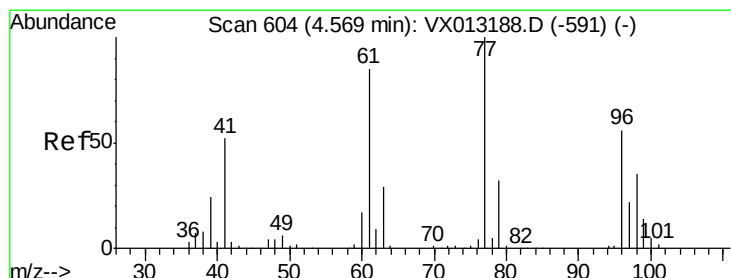
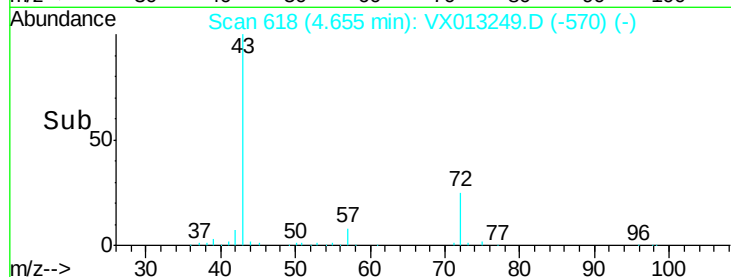
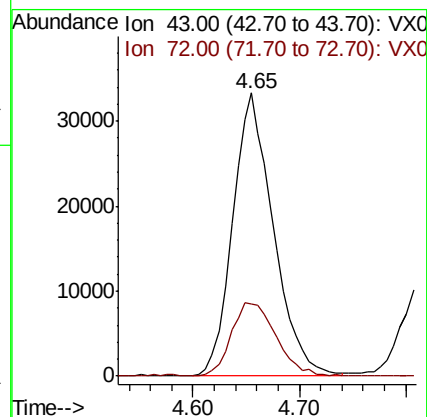
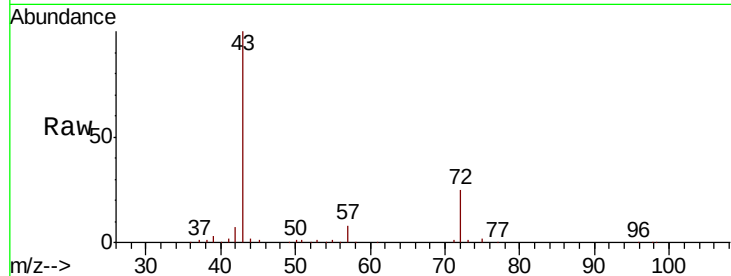
72 25.4 23.4 35.2

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#26

2,2-Dichloropropane

Concen: 18.870 ug/l

RT: 4.57 min Scan# 604

Delta R.T. -0.00 min

Lab File: VX013249.D

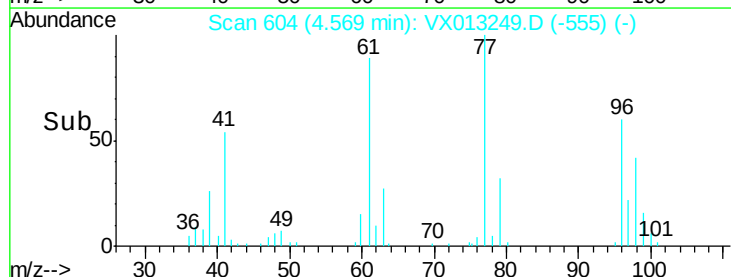
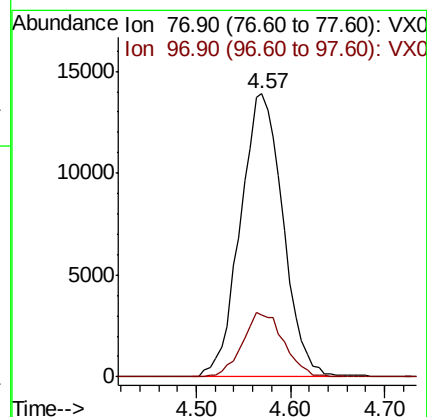
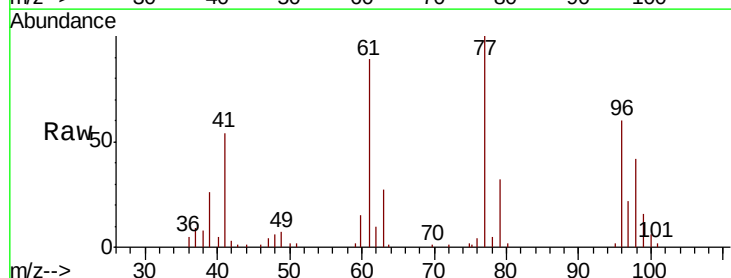
Acq: 28 Oct 2019 15:48

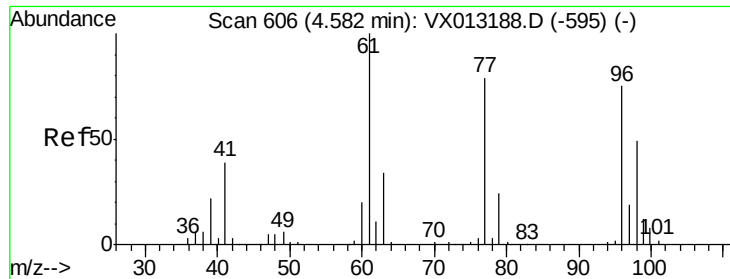
Tgt Ion: 77 Resp: 44008

Ion Ratio Lower Upper

77 100

97 22.0 10.9 32.6





#27

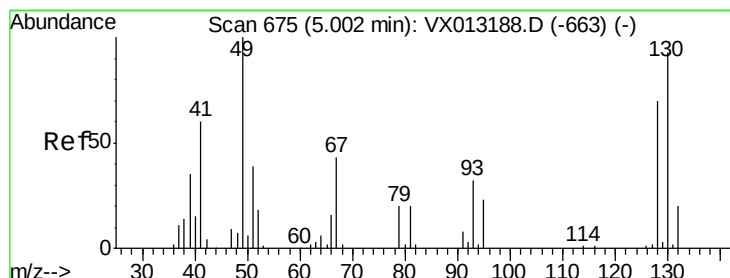
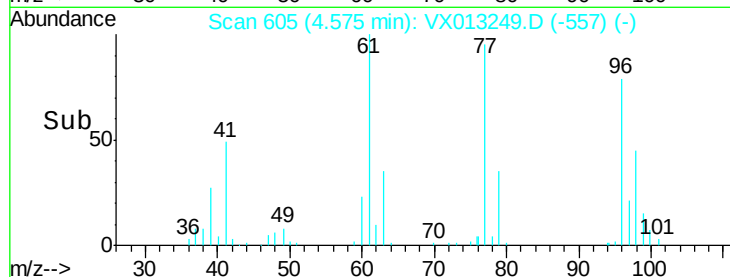
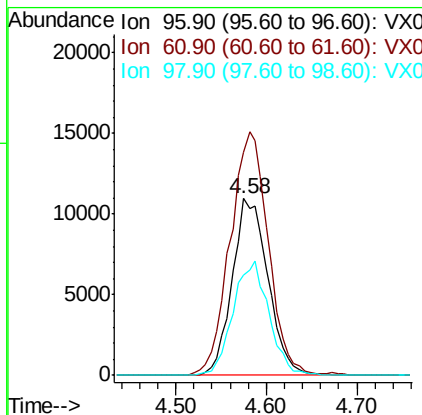
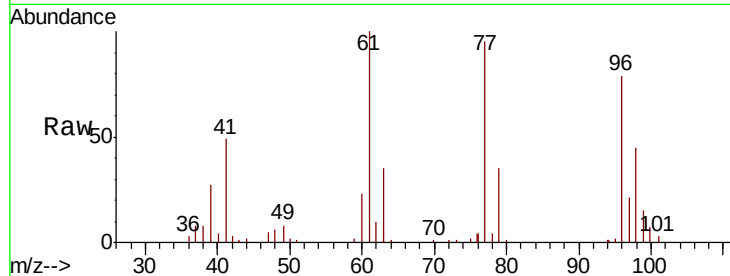
cis-1,2-Dichloroethene
Concen: 18.352 ug/l
RT: 4.58 min Scan# 605
Delta R.T. -0.01 min
Lab File: VX013249.D
Acq: 28 Oct 2019 15:48

Instrument :
MSVOA_X
ClientSampleId :
VX1028WBSD01

Tot Ion	Ratio	Resp	Lower	Upper
96	100	29955		
61	146.5	0.0	290.4	
98	64.8	0.0	130.4	

Manual Integrations
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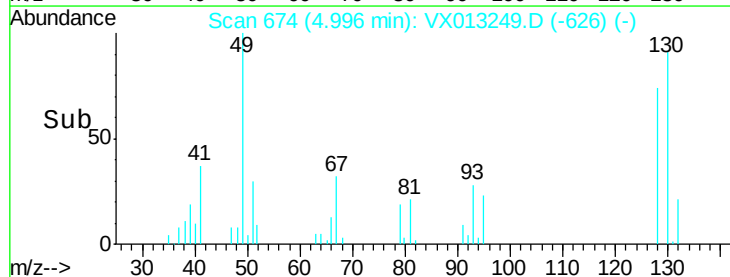
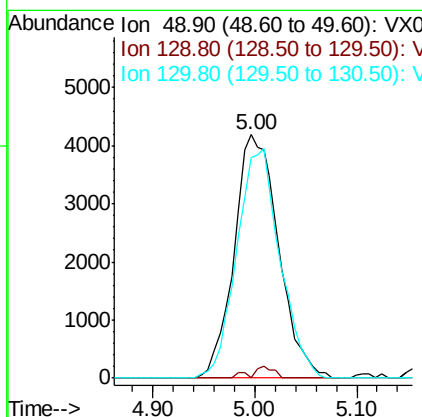
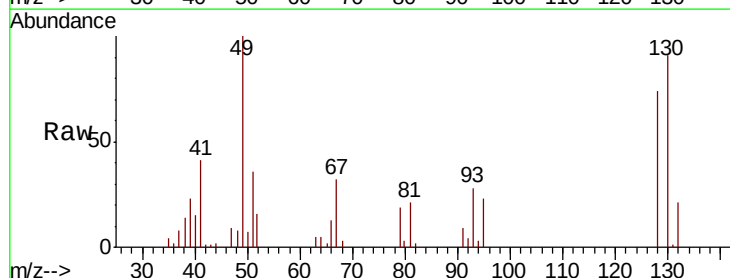
MMDadoda
10/30/2019 12:07:51 PM

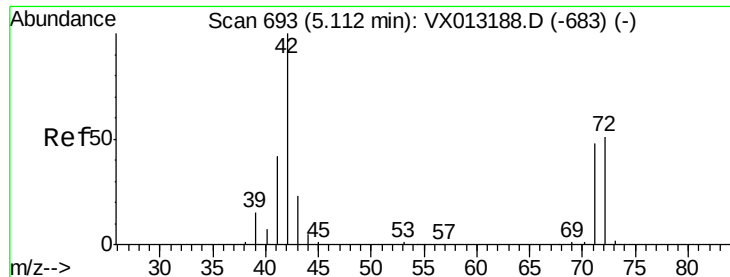


#28

Bromochloromethane
Concen: 19.417 ug/l
RT: 5.00 min Scan# 674
Delta R.T. -0.01 min
Lab File: VX013249.D
Acq: 28 Oct 2019 15:48

Tgt Ion	Ratio	Resp	Lower	Upper
49	100	12634		
129	2.4	0.0	4.8	
130	92.0	71.8	107.8	





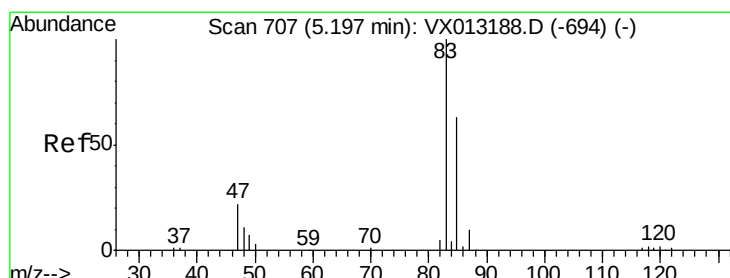
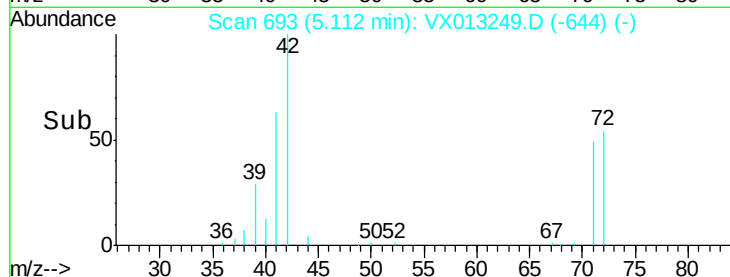
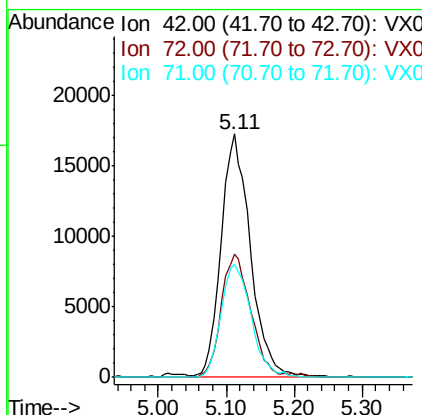
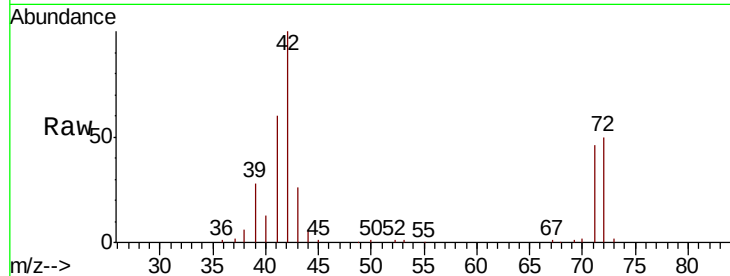
#29
Tetrahydrofuran
Concen: 83.152 ug/l
RT: 5.11 min Scan# 693
Delta R.T. -0.00 min
Lab File: VX013249.D
Acq: 28 Oct 2019 15:48

Instrument :
MSVOA_X
ClientSampleId :
VX1028WBSD01

Tot Ion	Ratio	Lower	Upper
42	100		
72	51.8	40.9	61.3
71	47.5	38.6	57.8

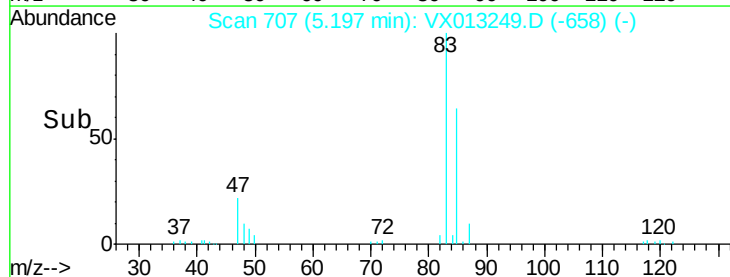
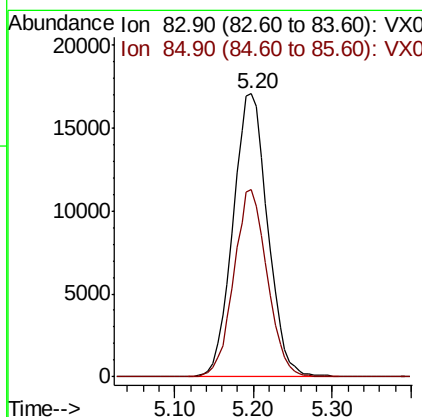
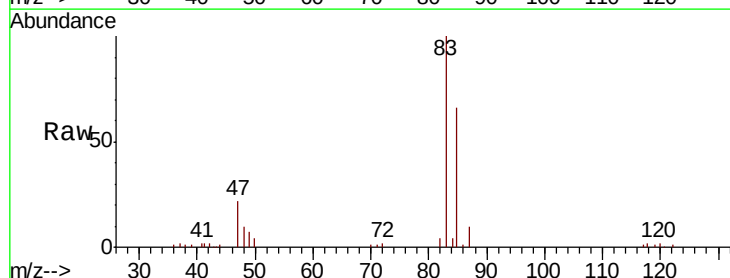
Manual Integrations
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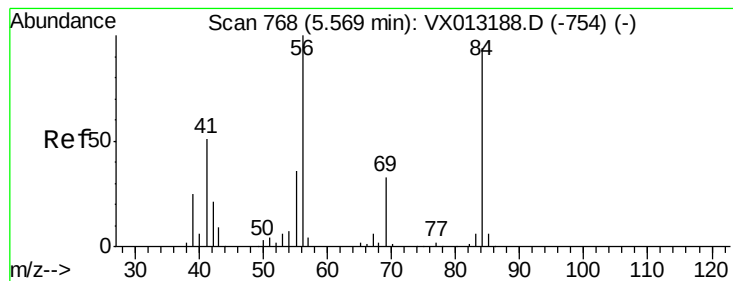
MMDadoda
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#30
Chloroform
Concen: 19.382 ug/l
RT: 5.20 min Scan# 707
Delta R.T. -0.00 min
Lab File: VX013249.D
Acq: 28 Oct 2019 15:48

Tgt Ion	Ratio	Lower	Upper
83	100		
85	66.3	50.1	75.1





#31

Cyclohexane

Concen: 18.300 ug/l

RT: 5.56 min Scan# 767

Delta R.T. -0.01 min

Lab File: VX013249.D

Acq: 28 Oct 2019 15:48

Instrument :

MSVOA_X

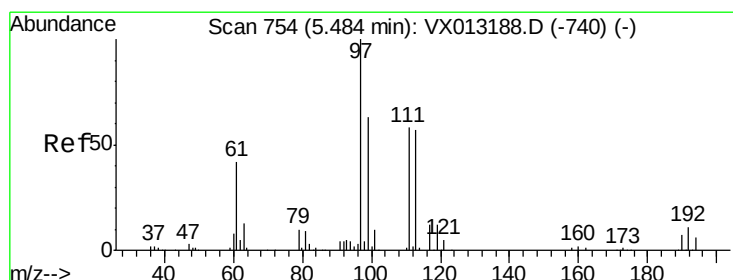
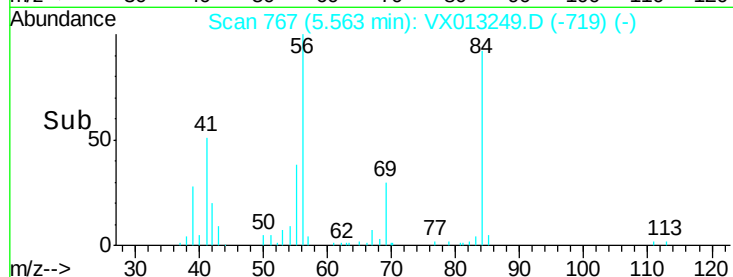
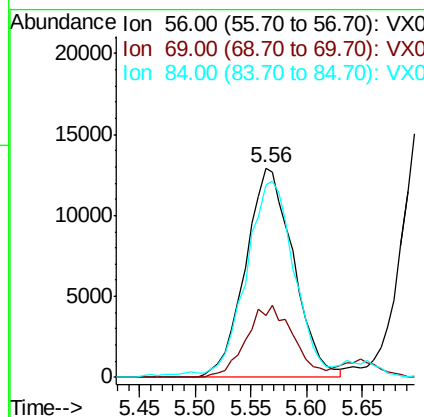
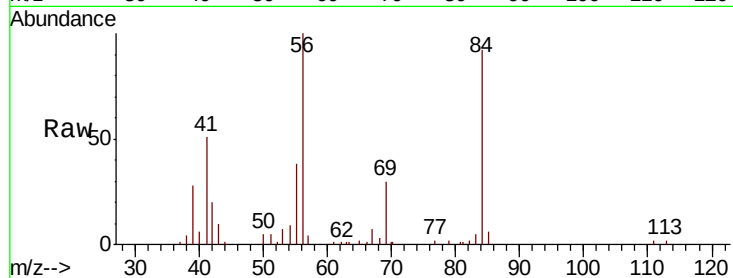
ClientSampleId :

VX1028WBSD01

Tot Ion:	56	Resp:	38727
Ion Ratio	Lower	Upper	
56	100		
69	29.8	26.3	39.5
84	89.1	73.8	110.6

Manual Integrations
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#32

1,1,1-Trichloroethane

Concen: 19.306 ug/l

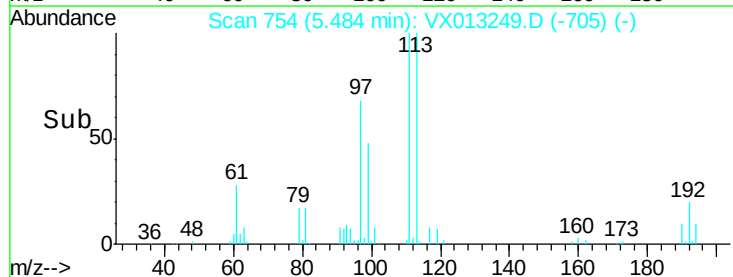
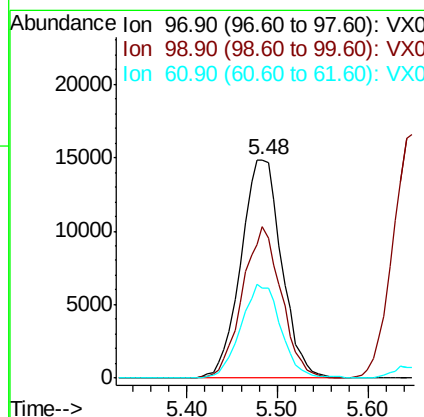
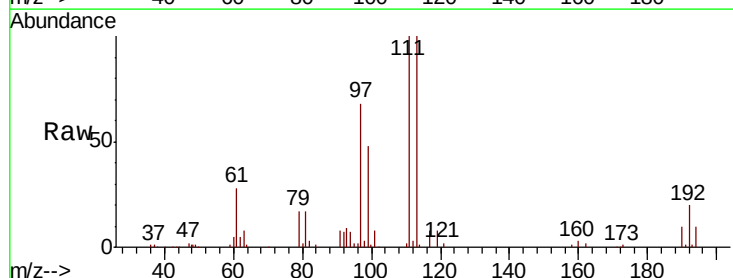
RT: 5.48 min Scan# 754

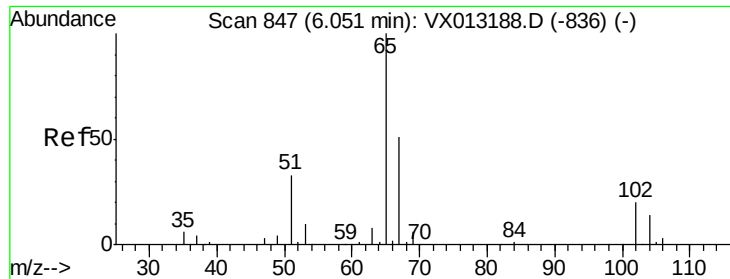
Delta R.T. -0.00 min

Lab File: VX013249.D

Acq: 28 Oct 2019 15:48

Tgt Ion:	97	Resp:	46119
Ion Ratio	Lower	Upper	
97	100		
99	66.3	50.8	76.2
61	42.3	32.8	49.2





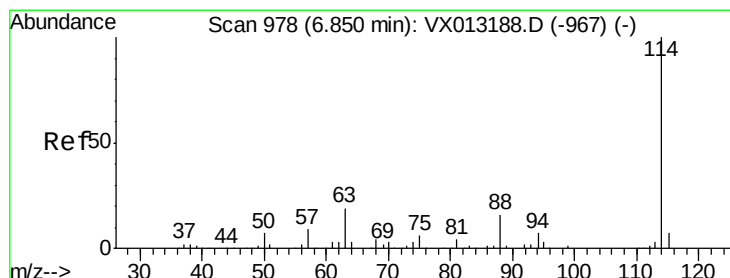
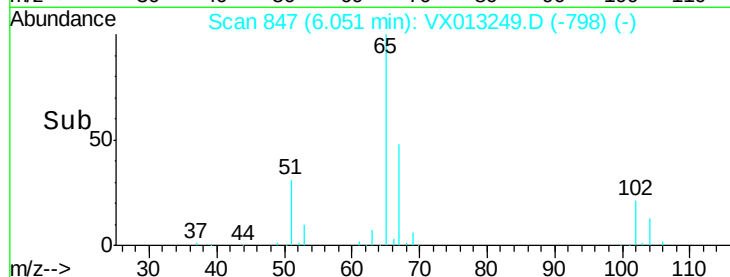
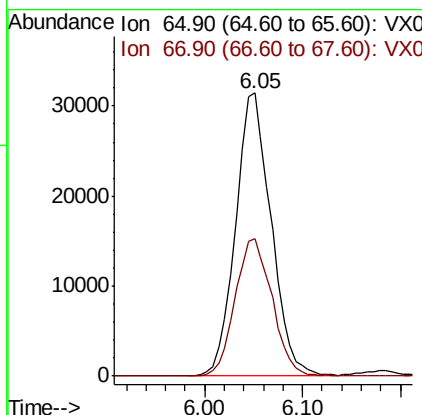
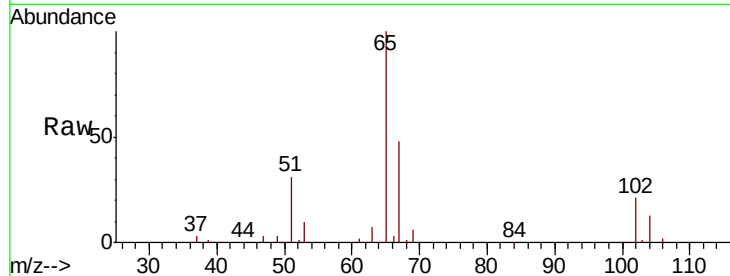
#33
 1,2-Dichloroethane-d4
 Concen: 48.579 ug/l
 RT: 6.05 min Scan# 847
 Delta R.T. -0.00 min
 Lab File: VX013249.D
 Acq: 28 Oct 2019 15:48

Instrument :
 MSVOA_X
 ClientSampleId :
 VX1028WBSD01

Tot Ion	Ratio	Lower	Upper
65	100		
67	50.4	0.0	102.6

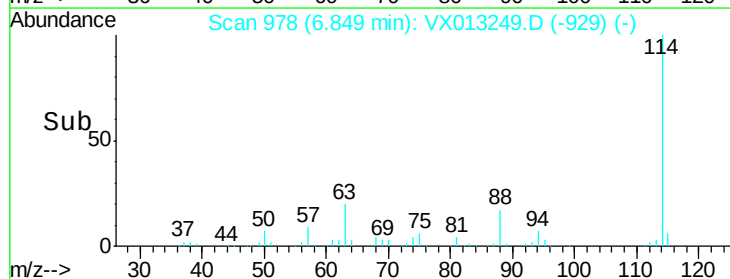
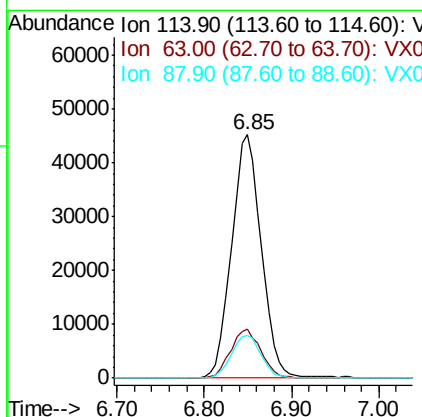
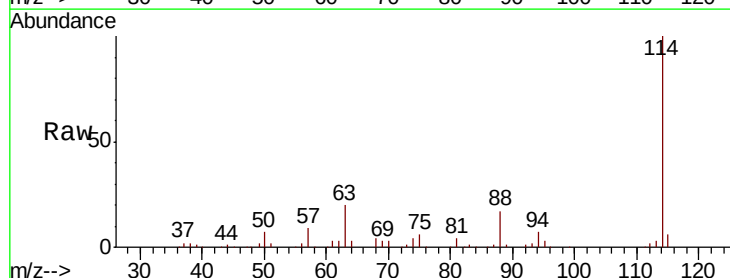
Manual Integrations
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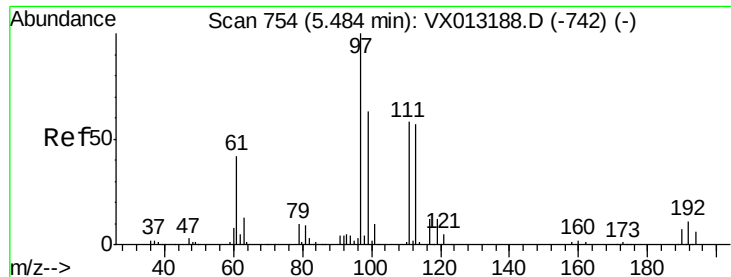
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#34
 1,4-Difluorobenzene
 Concen: 50.000 ug/l
 RT: 6.85 min Scan# 978
 Delta R.T. -0.00 min
 Lab File: VX013249.D
 Acq: 28 Oct 2019 15:48

Tgt Ion	Ratio	Lower	Upper
114	100		
63	20.0	0.0	39.0
88	17.4	0.0	32.0





#35

Dibromofluoromethane

Concen: 51.950 ug/l

RT: 5.48 min Scan# 754

Delta R.T. -0.00 min

Lab File: VX013249.D

Acq: 28 Oct 2019 15:48

Instrument :

MSVOA_X

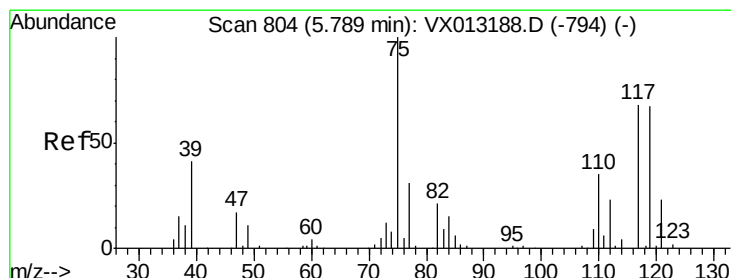
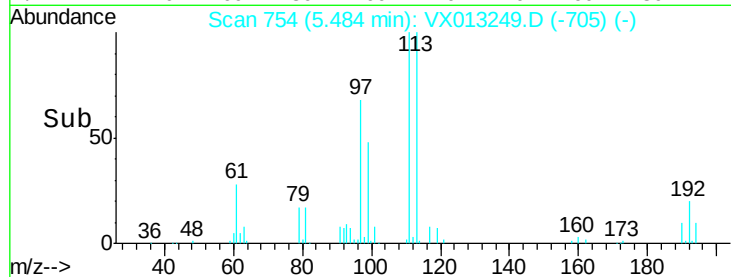
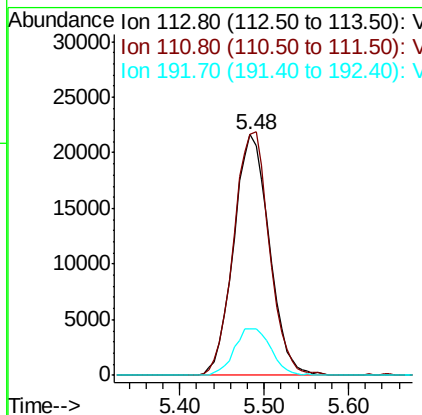
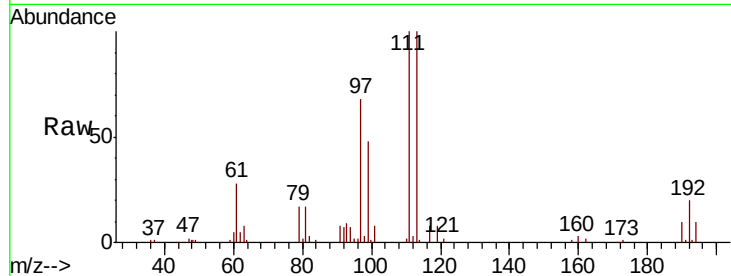
ClientSampleId :

VX1028WBSD01

Tot Ion:	113	Resp:	61888
Ion	Ratio	Lower	Upper
113	100		
111	101.3	80.3	120.5
192	20.1	15.9	23.9

Manual Integrations
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#36

1,1-Dichloropropene

Concen: 20.147 ug/l

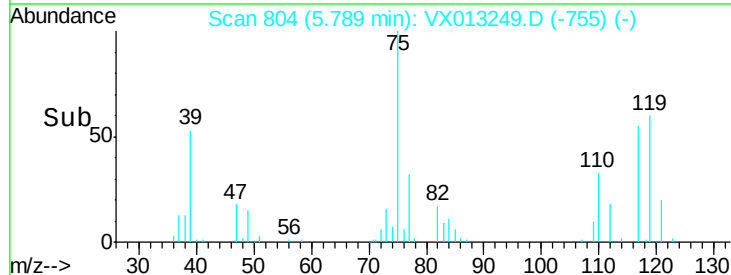
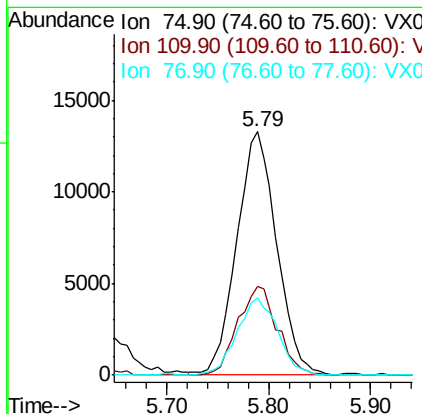
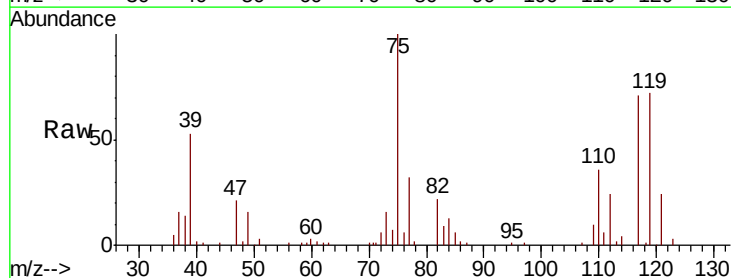
RT: 5.79 min Scan# 804

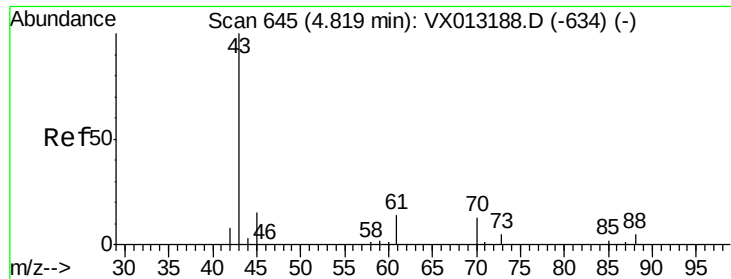
Delta R.T. 0.00 min

Lab File: VX013249.D

Acq: 28 Oct 2019 15:48

Tgt Ion:	75	Resp:	36109
Ion	Ratio	Lower	Upper
75	100		
110	36.0	17.6	52.9
77	32.2	24.7	37.1





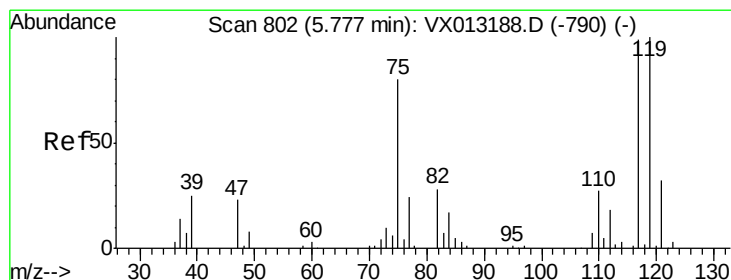
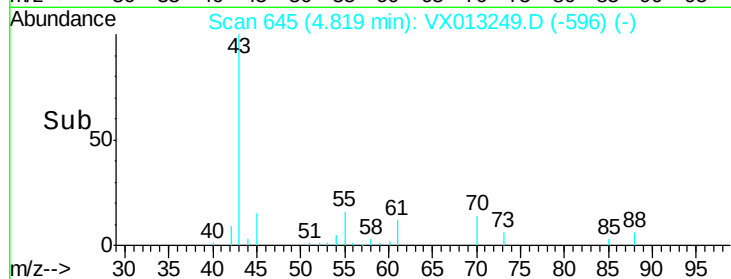
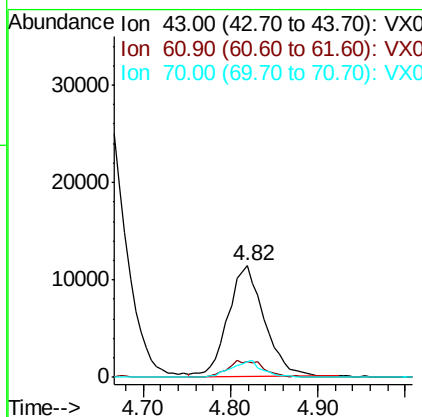
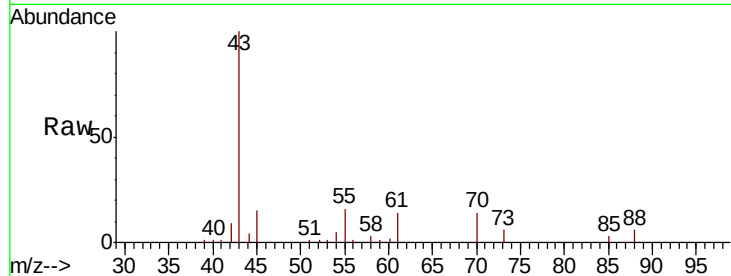
#37
Ethyl Acetate
Concen: 18.376 ug/l
RT: 4.82 min Scan# 645
Delta R.T. -0.00 min
Lab File: VX013249.D
Acq: 28 Oct 2019 15:48

Instrument :
MSVOA_X
ClientSampleId :
VX1028WBSD01

Tot Ion	Ratio	Lower	Upper
43	100		
61	15.4	12.1	18.1
70	13.4	10.4	15.6

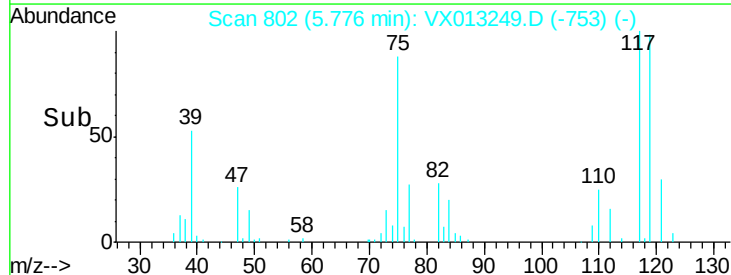
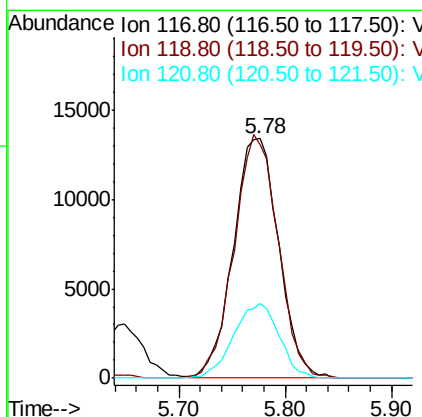
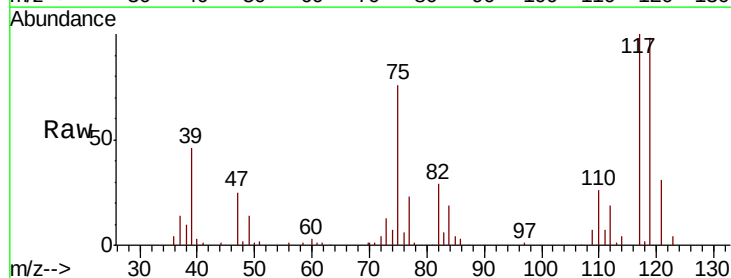
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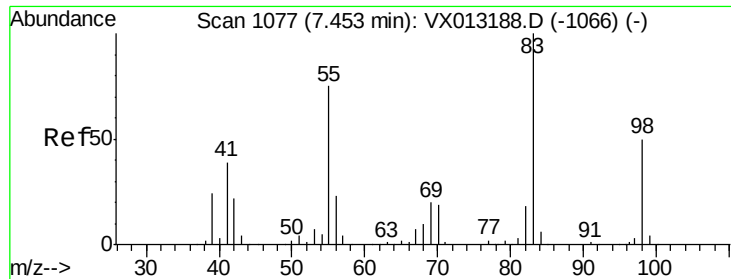
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#38
Carbon Tetrachloride
Concen: 20.268 ug/l
RT: 5.78 min Scan# 802
Delta R.T. -0.00 min
Lab File: VX013249.D
Acq: 28 Oct 2019 15:48

Tgt Ion	Ratio	Lower	Upper
117	100		
119	97.5	80.1	120.1
121	31.1	25.5	38.3





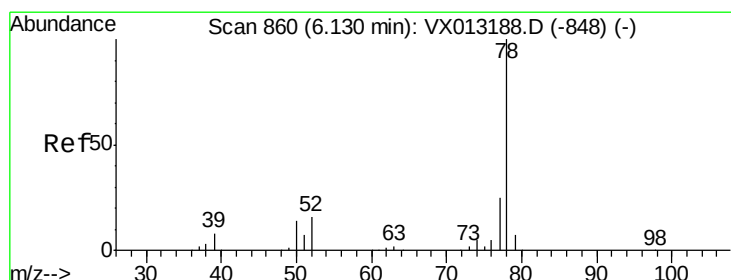
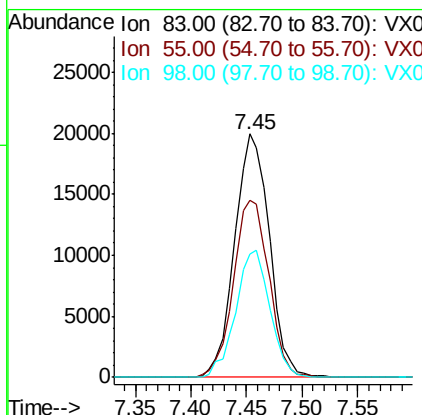
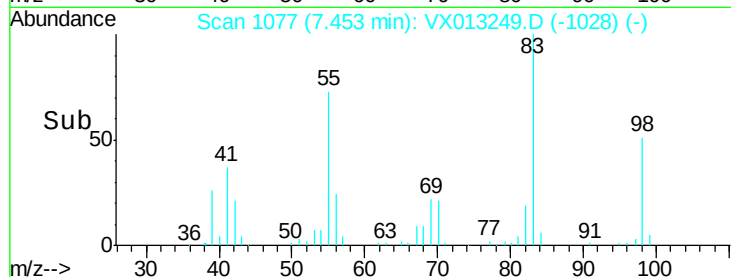
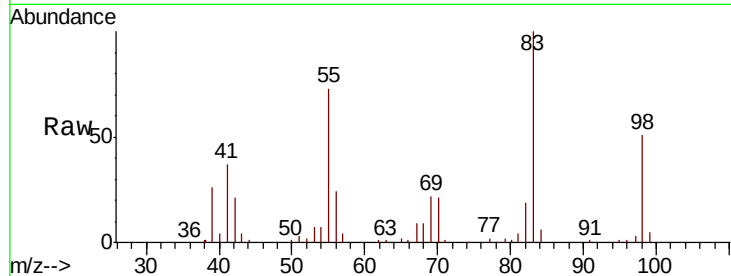
#39
Methylvlcyclohexane
Concen: 18.914 ug/l
RT: 7.45 min Scan# 1077
Delta R.T. -0.00 min
Lab File: VX013249.D
Acq: 28 Oct 2019 15:48

Instrument :
MSVOA_X
ClientSampleId :
VX1028WBSD01

Tot Ion	Ratio	Lower	Upper
83	100		
55	72.6	60.1	90.1
98	50.9	39.8	59.8

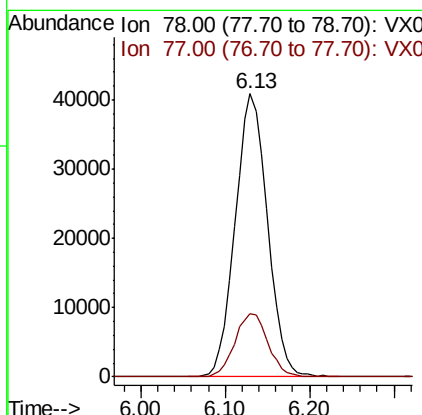
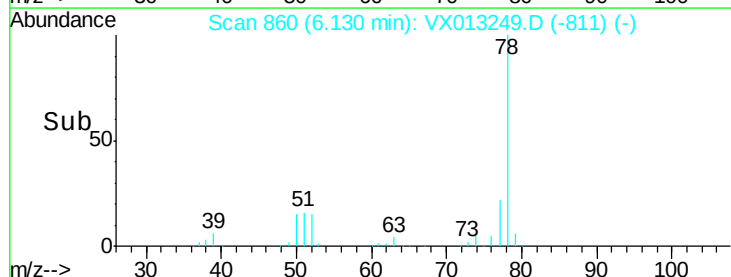
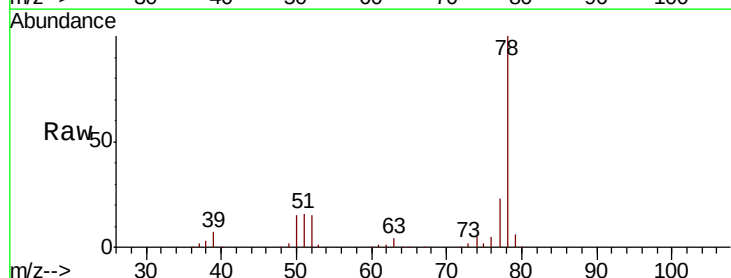
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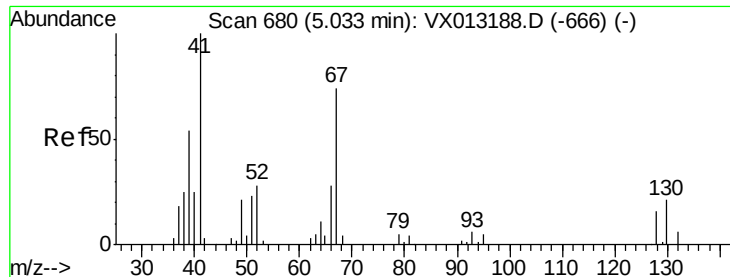
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#40
Benzene
Concen: 19.658 ug/l
RT: 6.13 min Scan# 860
Delta R.T. -0.00 min
Lab File: VX013249.D
Acq: 28 Oct 2019 15:48

Tgt Ion	Ratio	Lower	Upper
78	100		
77	22.5	19.6	29.4





#41

Methacrylonitrile

Concen: 19.693 ug/l

RT: 5.03 min Scan# 679

Delta R.T. -0.01 min

Lab File: VX013249.D

Acq: 28 Oct 2019 15:48

Instrument :

MSVOA_X

ClientSampleId :

VX1028WBSD01

Tot Ion: 41 Resp: 18796

Ion Ratio Lower Upper

41 100

39 58.2 45.2 67.8

67 75.1 61.3 91.9

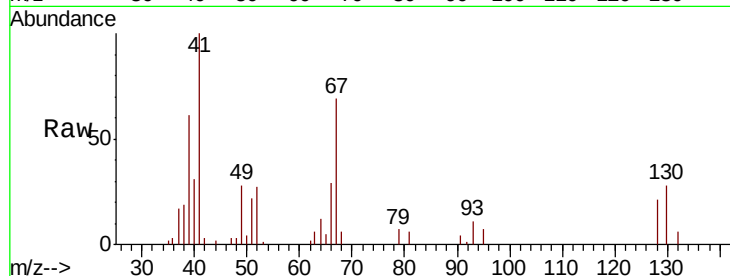
52 31.3 25.1 37.7

Manual Integrations

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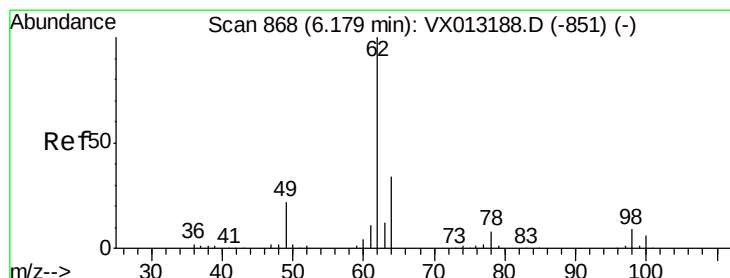
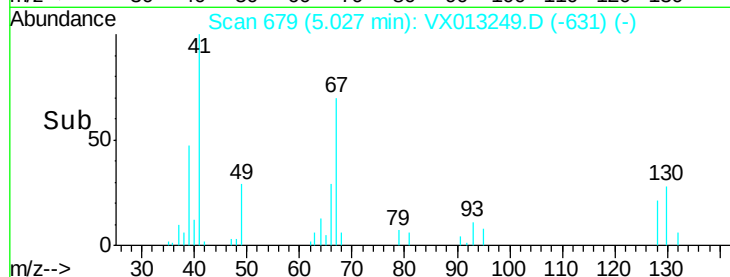
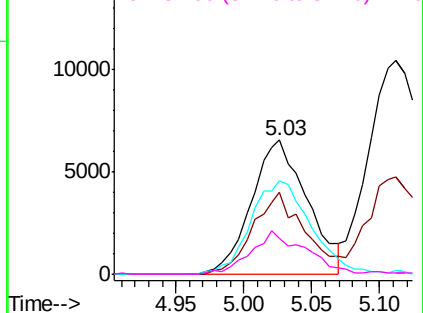


Abundance Ion 41.00 (40.70 to 41.70): VX0

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: 21.116 ug/l

RT: 6.18 min Scan# 868

Delta R.T. -0.00 min

Lab File: VX013249.D

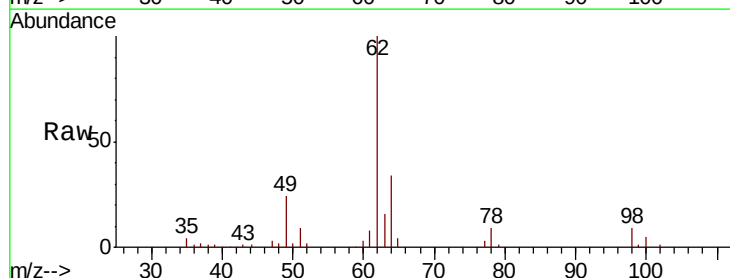
Acq: 28 Oct 2019 15:48

Tgt Ion: 62 Resp: 42721

Ion Ratio Lower Upper

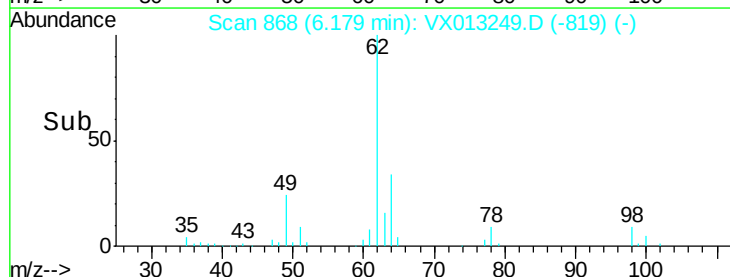
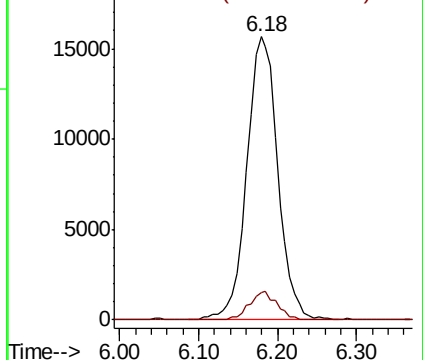
62 100

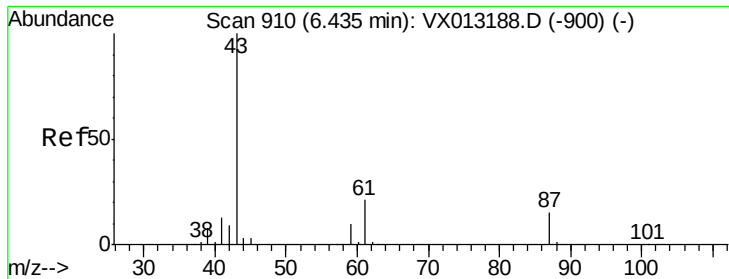
98 8.9 0.0 18.4



Abundance Ion 61.90 (61.60 to 62.60): VX0

Ion 97.90 (97.60 to 98.60): VX0





#43

Isopropyl Acetate

Concen: 18.903 ug/l

RT: 6.43 min Scan# 910

Delta R.T. -0.00 min

Lab File: VX013249.D

Acq: 28 Oct 2019 15:48

Instrument :

MSVOA_X

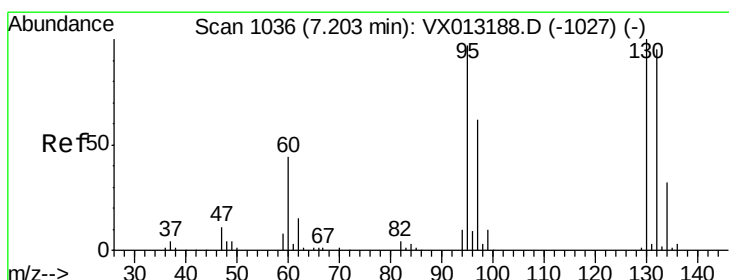
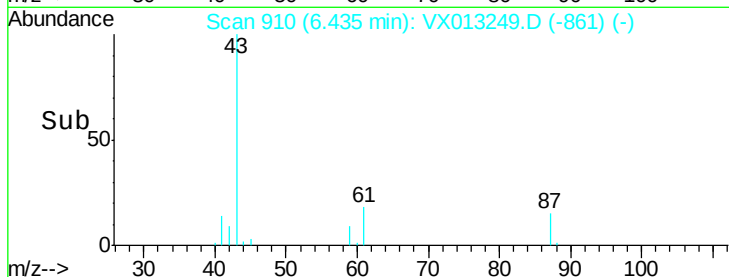
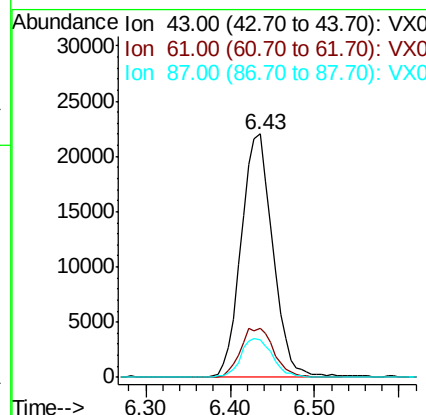
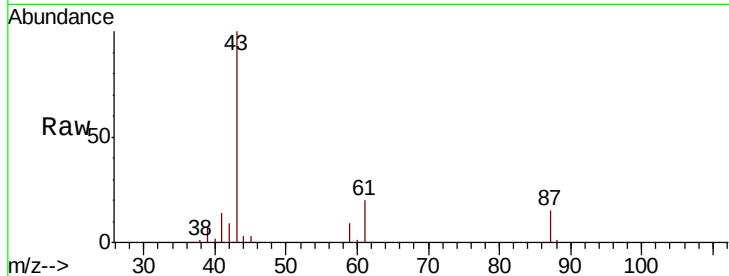
ClientSampleId :

VX1028WBSD01

Tot Ion:	43	Resp:	55873
Ion	Ratio	Lower	Upper
43	100		
61	21.4	17.0	25.4
87	15.9	12.1	18.1

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#44

Trichloroethene

Concen: 20.010 ug/l

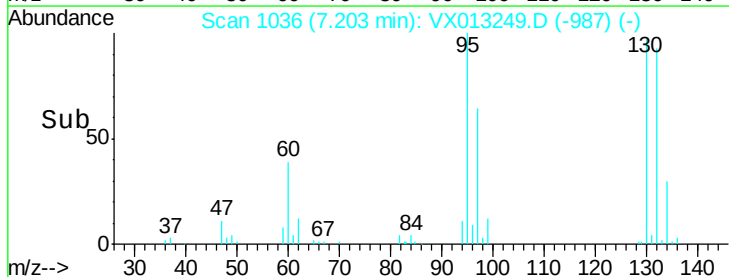
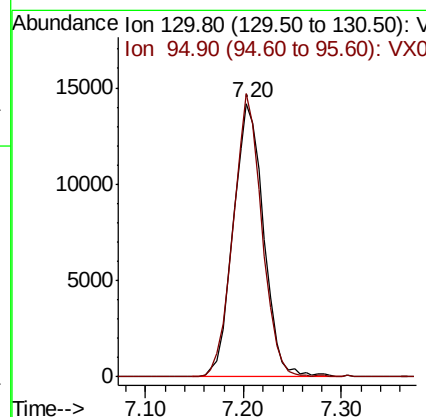
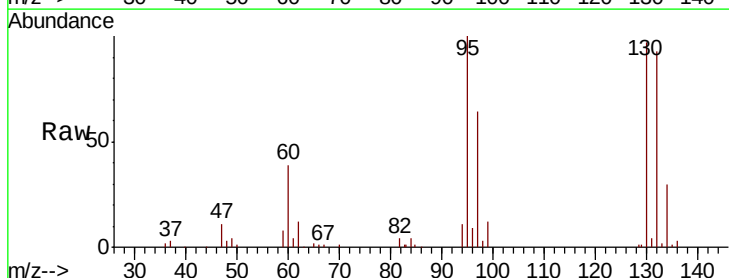
RT: 7.20 min Scan# 1036

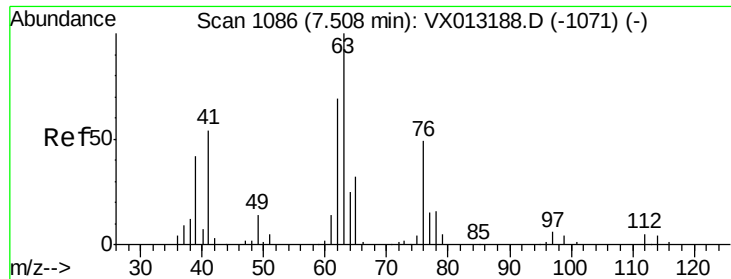
Delta R.T. -0.00 min

Lab File: VX013249.D

Acq: 28 Oct 2019 15:48

Tgt Ion:	130	Resp:	30474
Ion	Ratio	Lower	Upper
130	100		
95	103.6	0.0	193.6





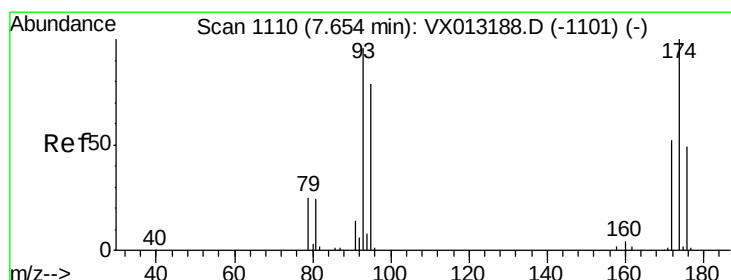
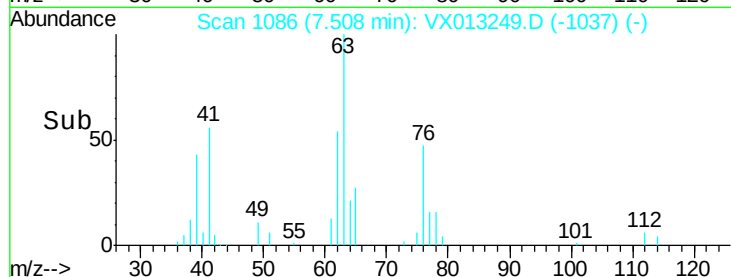
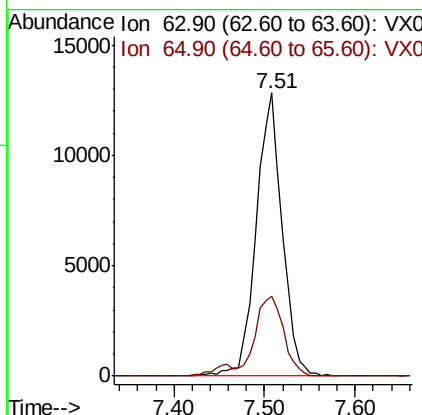
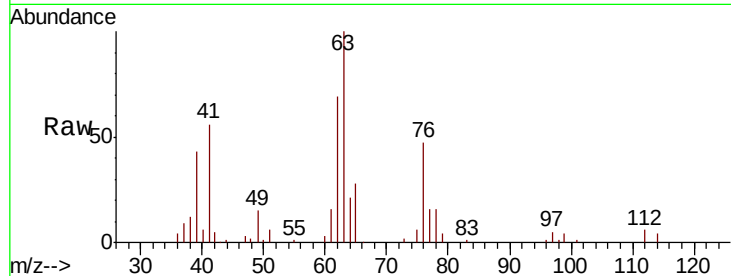
#45
 1,2-Dichloropropane
 Concen: 18.894 ug/l
 RT: 7.51 min Scan# 1086
 Delta R.T. -0.00 min
 Lab File: VX013249.D
 Acq: 28 Oct 2019 15:48

Instrument :
 MSVOA_X
 ClientSampleId :
 VX1028WBSD01

Tot Ion: 63 Resp: 25393
 Ion Ratio Lower Upper
 63 100
 65 28.1 25.3 37.9

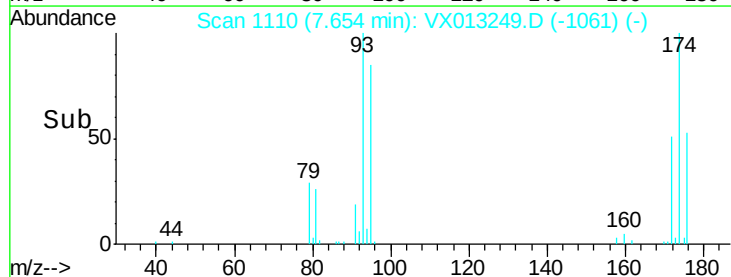
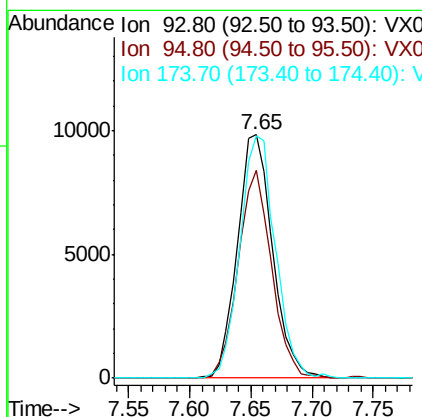
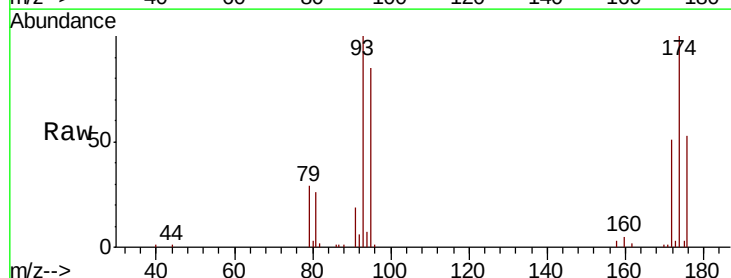
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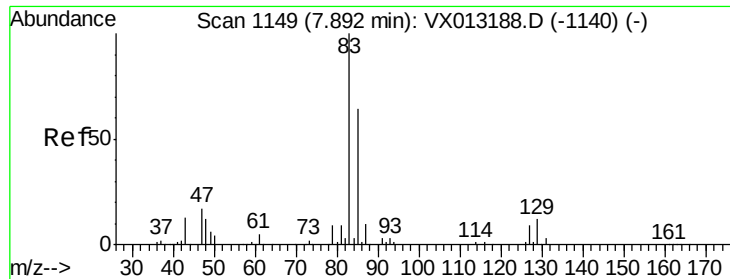
MMDadoda
 10/30/2019 12:07:51 PM



#46
 Dibromomethane
 Concen: 20.311 ug/l
 RT: 7.65 min Scan# 1110
 Delta R.T. -0.00 min
 Lab File: VX013249.D
 Acq: 28 Oct 2019 15:48

Tgt Ion: 93 Resp: 19667
 Ion Ratio Lower Upper
 93 100
 95 80.9 66.2 99.4
 174 100.4 85.2 127.8





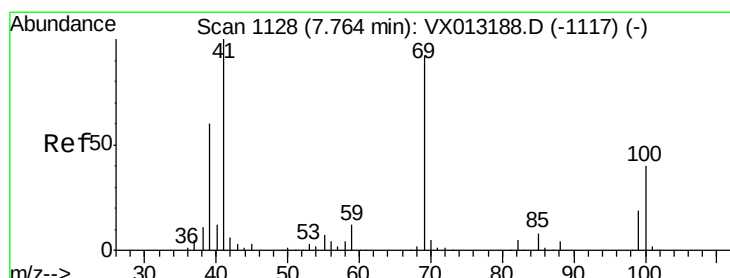
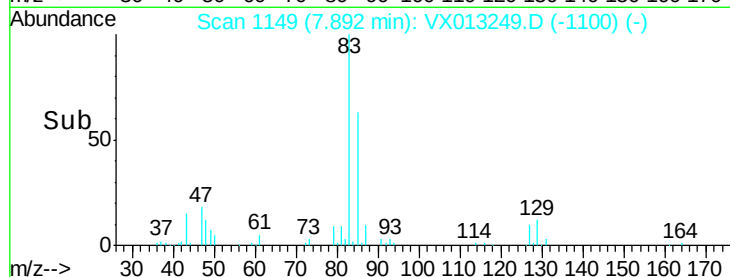
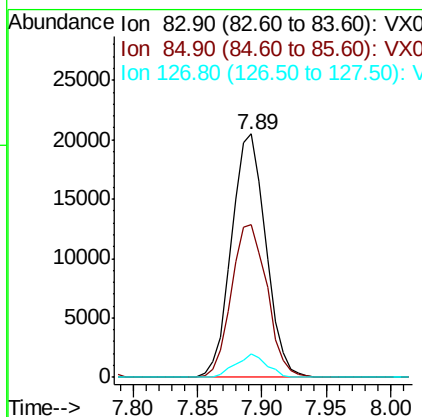
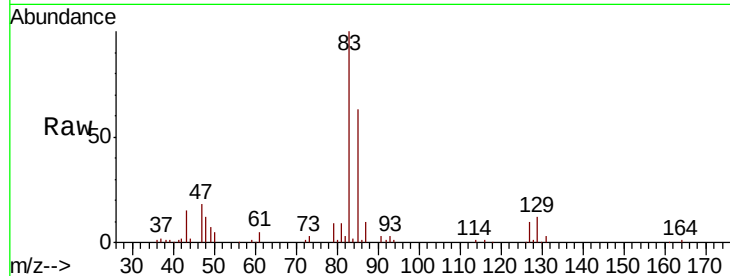
#47
Bromodichloromethane
Concen: 20.119 ug/l
RT: 7.89 min Scan# 1149
Delta R.T. -0.00 min
Lab File: VX013249.D
Acq: 28 Oct 2019 15:48

Instrument :
MSVOA_X
ClientSampleId :
VX1028WBSD01

Tot Ion	Ratio	Lower	Upper
83	100		
85	62.9	51.0	76.6
127	9.7	7.2	10.8

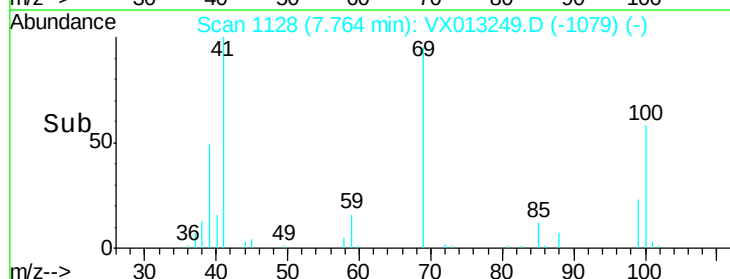
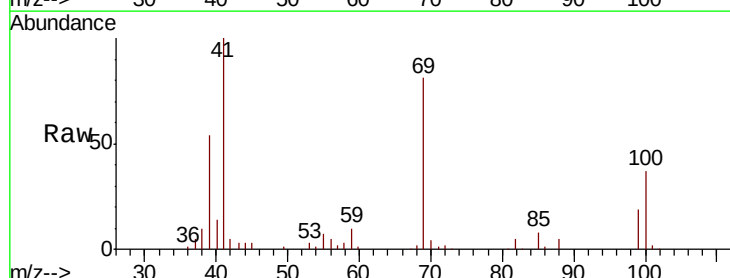
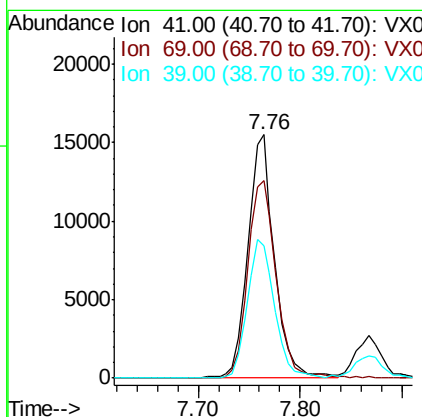
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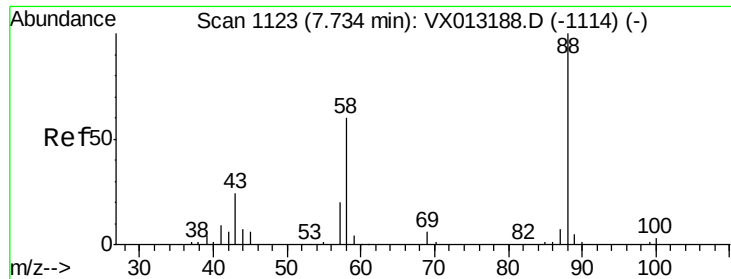
MMDadoda
10/30/2019 12:07:51 PM



#48
Methyl methacrylate
Concen: 19.224 ug/l
RT: 7.76 min Scan# 1128
Delta R.T. -0.00 min
Lab File: VX013249.D
Acq: 28 Oct 2019 15:48

Tgt Ion	Ratio	Lower	Upper
41	100		
69	86.8	72.0	108.0
39	58.4	47.4	71.0





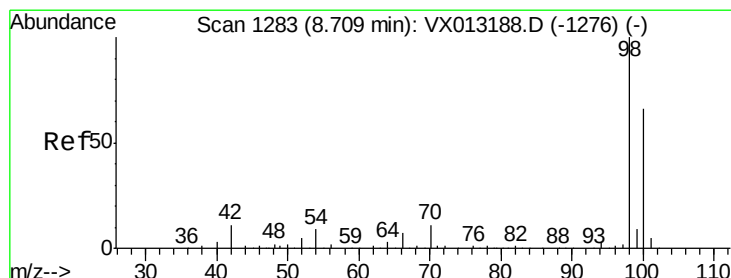
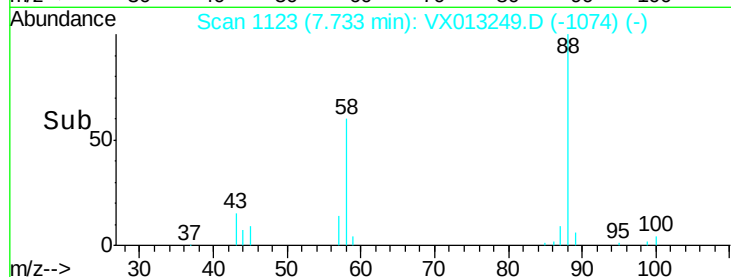
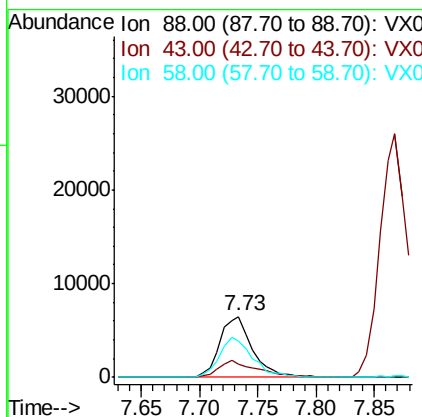
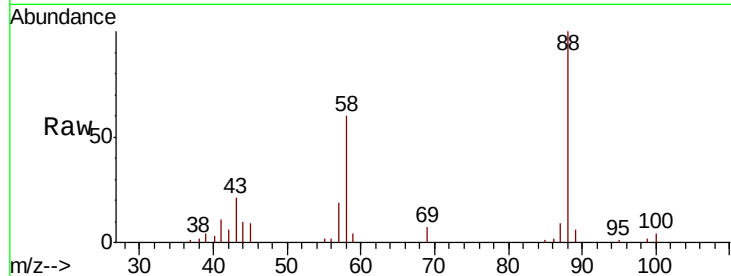
#49
1,4-Dioxane
Concen: 336.542 ug/l
RT: 7.73 min Scan# 1123
Delta R.T. -0.00 min
Lab File: VX013249.D
Acq: 28 Oct 2019 15:48

Instrument :
MSVOA_X
ClientSampleId :
VX1028WBSD01

Tot Ion	Ratio	Lower	Upper
88	100		
43	32.7	24.5	36.7
58	66.6	54.1	81.1

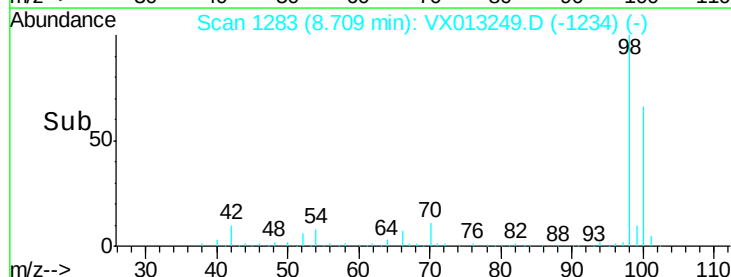
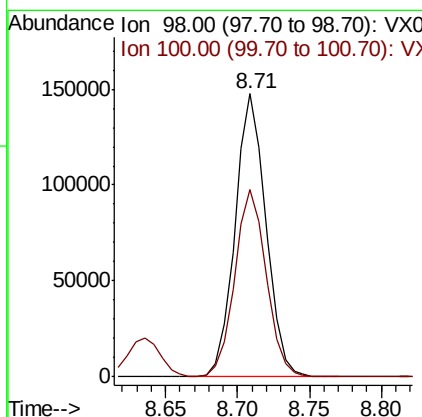
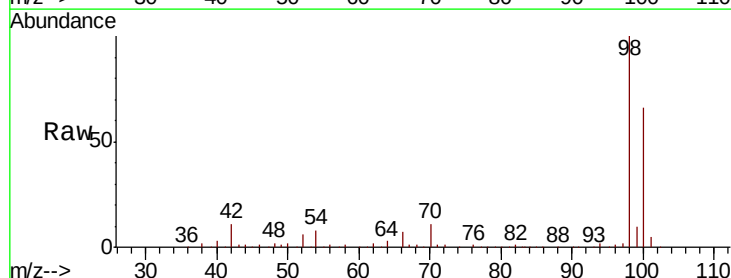
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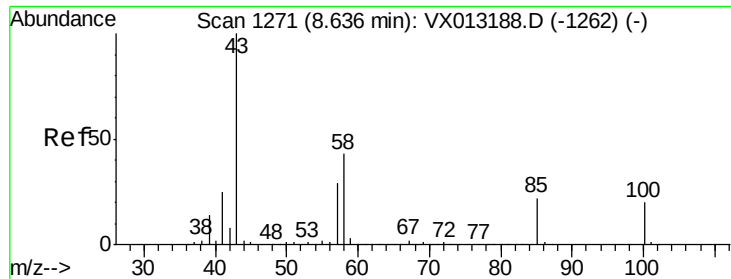
MMDadoda
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#50
Toluene-d8
Concen: 50.005 ug/l
RT: 8.71 min Scan# 1283
Delta R.T. -0.00 min
Lab File: VX013249.D
Acq: 28 Oct 2019 15:48

Tgt Ion	Ratio	Lower	Upper
98	100		
100	67.1	53.3	79.9





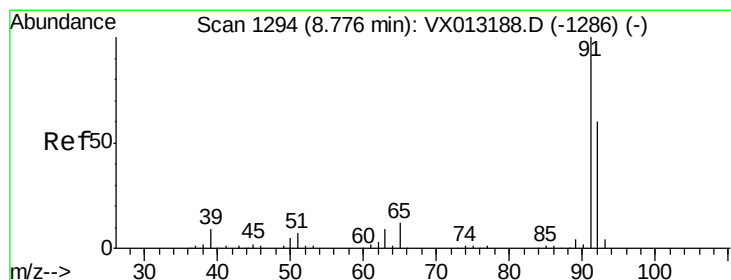
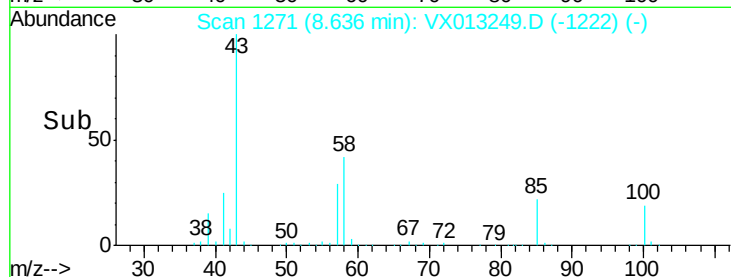
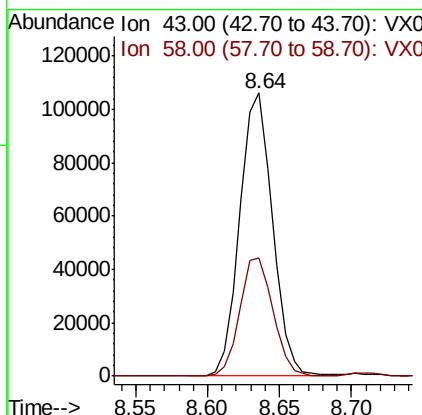
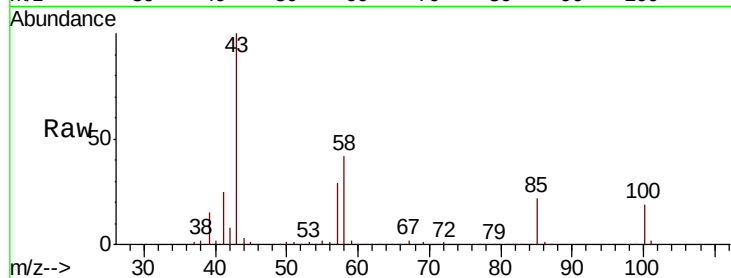
#51
4-Methyl-2-Pentanone
Concen: 93.264 ug/l
RT: 8.64 min Scan# 1271
Delta R.T. -0.00 min
Lab File: VX013249.D
Acq: 28 Oct 2019 15:48

Instrument :
MSVOA_X
ClientSampleId :
VX1028WBSD01

Tot Ion: 43 Resp: 168025
Ion Ratio Lower Upper
43 100
58 42.4 33.9 50.9

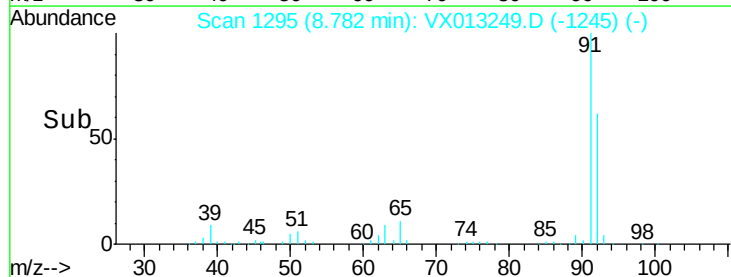
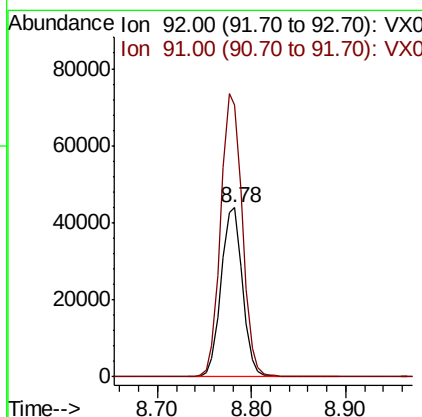
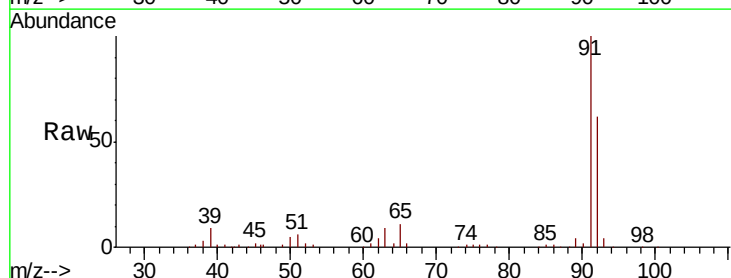
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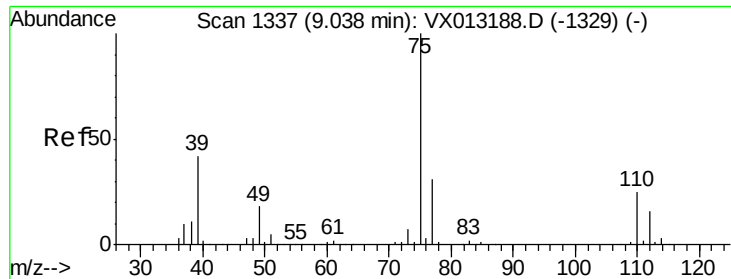
MMDadoda
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#52
Toluene
Concen: 19.495 ug/l
RT: 8.78 min Scan# 1295
Delta R.T. 0.01 min
Lab File: VX013249.D
Acq: 28 Oct 2019 15:48

Tgt Ion: 92 Resp: 69326
Ion Ratio Lower Upper
92 100
91 168.2 133.9 200.9





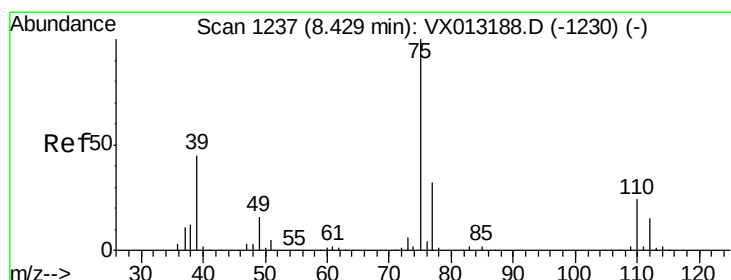
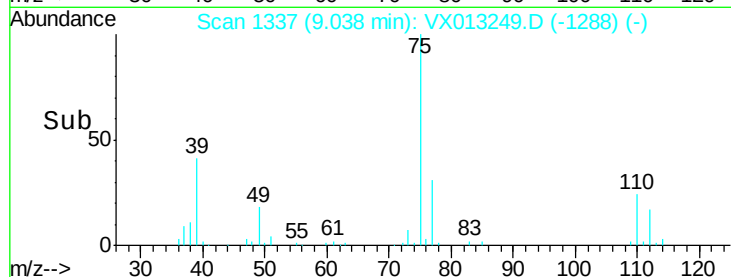
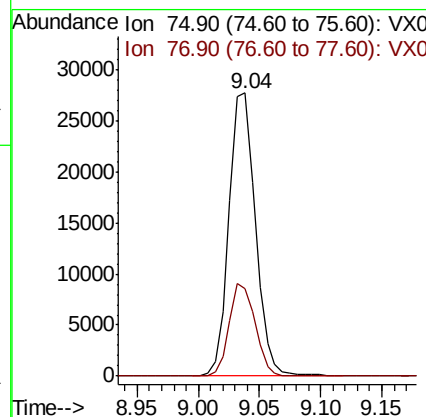
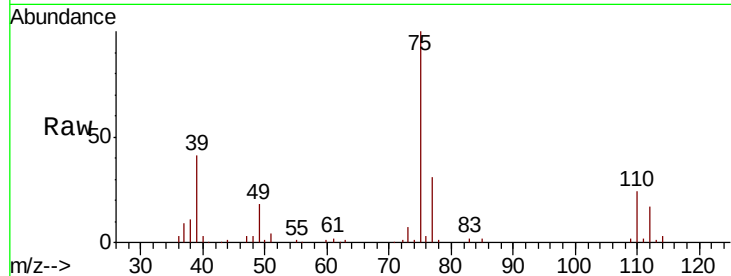
#53
 t-1,3-Dichloropropene
 Concen: 20.755 ug/l
 RT: 9.04 min Scan# 1337
 Delta R.T. -0.00 min
 Lab File: VX013249.D
 Acq: 28 Oct 2019 15:48

Instrument :
 MSVOA_X
 ClientSampleId :
 VX1028WBSD01

Tot Ion: 75 Resp: 41618
 Ion Ratio Lower Upper
 75 100
 77 31.1 24.7 37.1

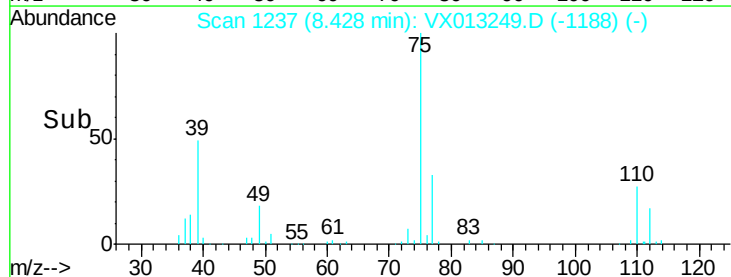
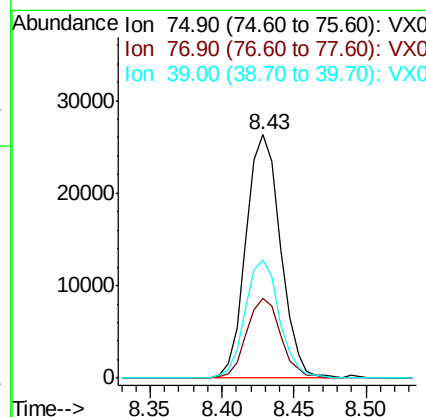
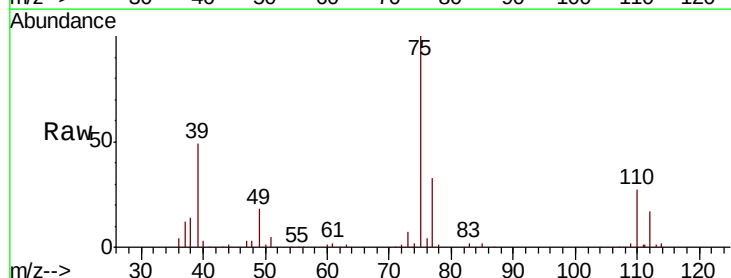
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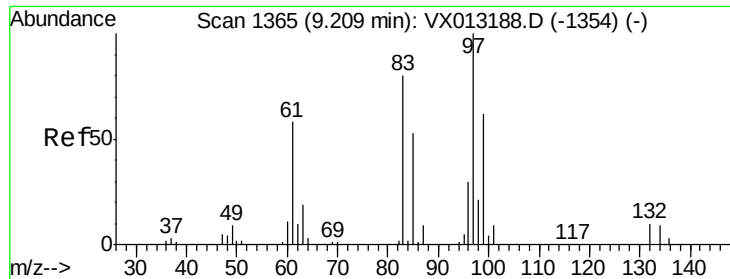
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#54
 cis-1,3-Dichloropropene
 Concen: 19.902 ug/l
 RT: 8.43 min Scan# 1237
 Delta R.T. -0.00 min
 Lab File: VX013249.D
 Acq: 28 Oct 2019 15:48

Tgt Ion: 75 Resp: 43657
 Ion Ratio Lower Upper
 75 100
 77 33.0 25.4 38.0
 39 48.8 36.2 54.4





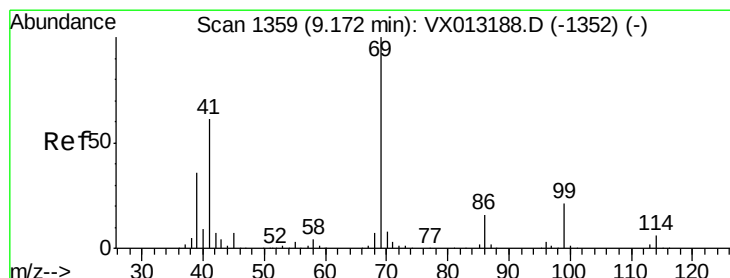
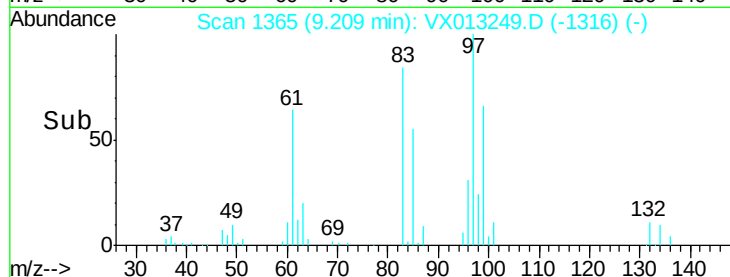
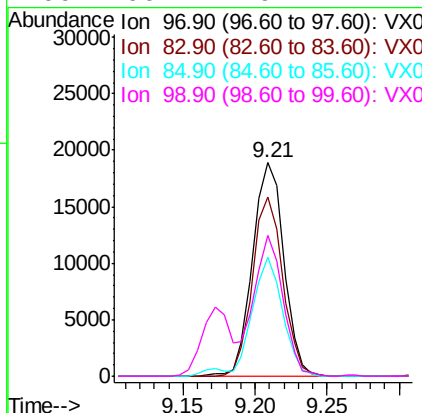
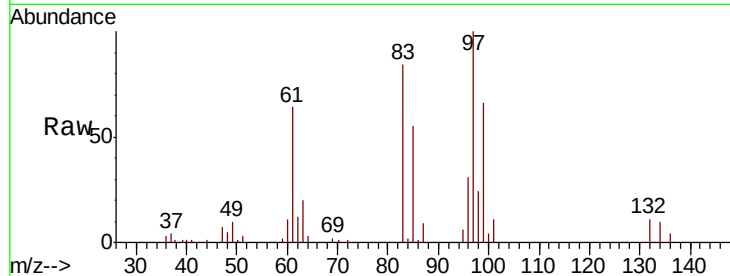
#55
1,1,2-Trichloroethane
Concen: 20.081 ug/l
RT: 9.21 min Scan# 1365
Delta R.T. -0.00 min
Lab File: VX013249.D
Acq: 28 Oct 2019 15:48

Instrument :
MSVOA_X
ClientSampleId :
VX1028WBSD01

Tot Ion	Ratio	Lower	Upper
97	100		
83	83.7	64.1	96.1
85	55.4	42.1	63.1
99	66.1	49.4	74.2

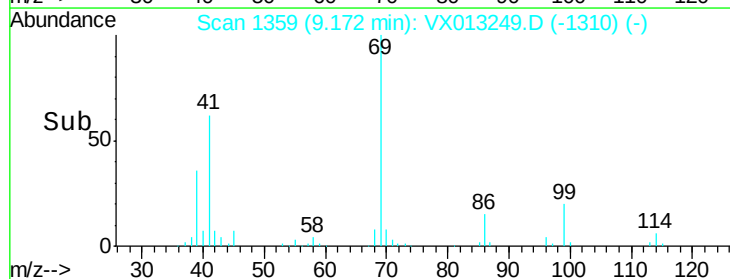
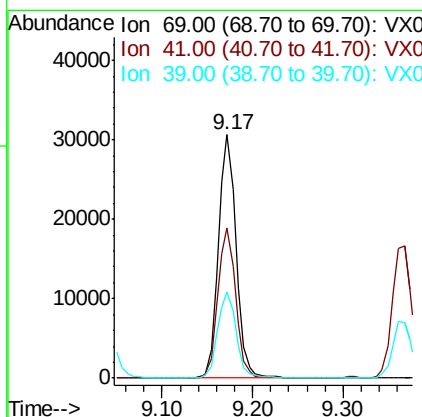
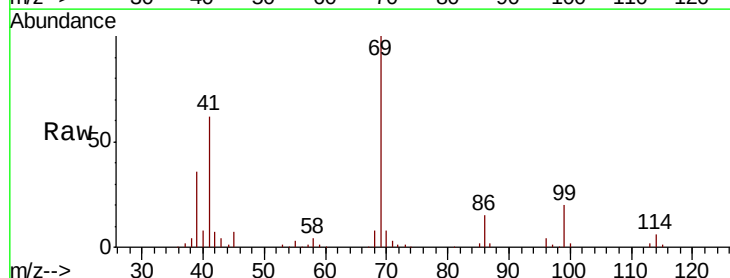
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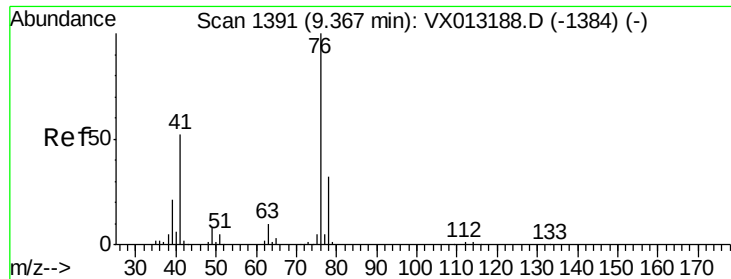
MMDadoda
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#56
Ethyl methacrylate
Concen: 19.829 ug/l
RT: 9.17 min Scan# 1359
Delta R.T. -0.00 min
Lab File: VX013249.D
Acq: 28 Oct 2019 15:48

Tgt Ion	Ratio	Lower	Upper
69	100		
41	62.7	49.5	74.3
39	37.1	28.3	42.5





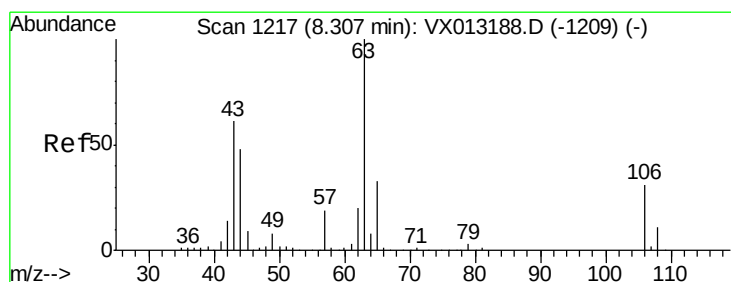
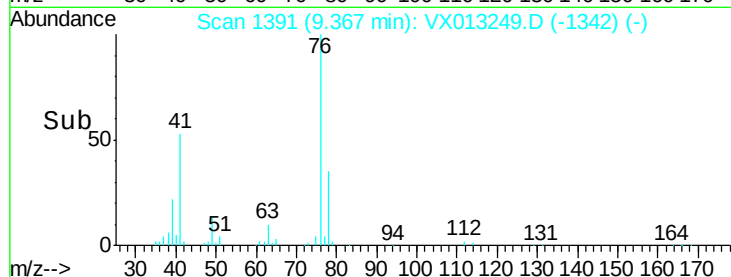
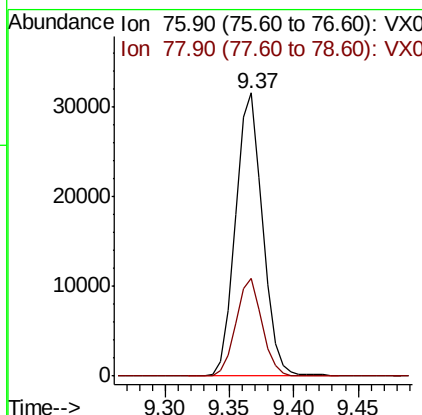
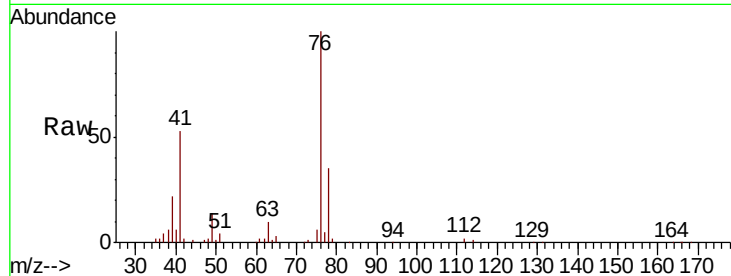
#57
 1,3-Dichloropropane
 Concen: 19.451 ug/l
 RT: 9.37 min Scan# 1391
 Delta R.T. -0.00 min
 Lab File: VX013249.D
 Acq: 28 Oct 2019 15:48

Instrument :
 MSVOA_X
 ClientSampleId :
 VX1028WBSD01

Tot Ion: 76 Resp: 46143
 Ion Ratio Lower Upper
 76 100
 78 33.2 26.1 39.1

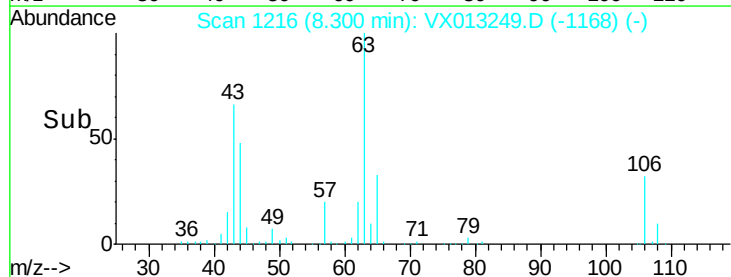
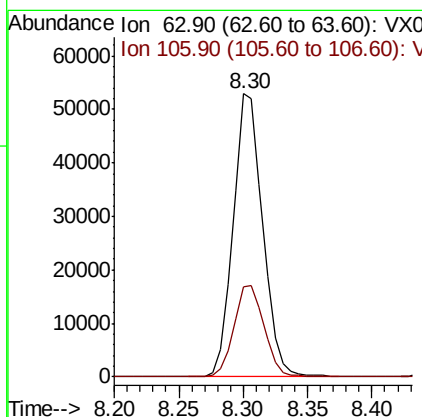
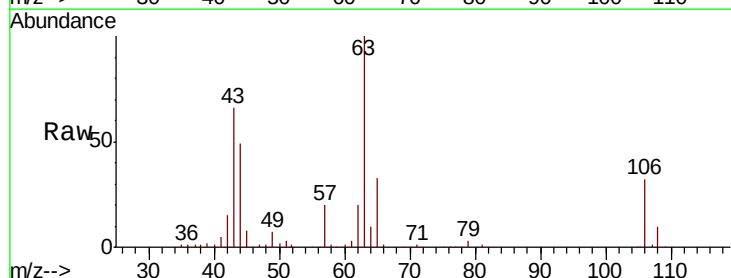
Manual Integrations
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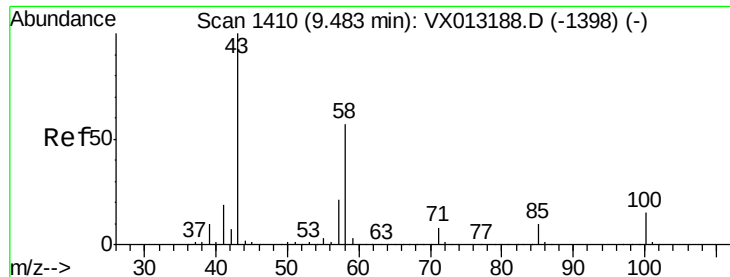
MMDadoda
 10/30/2019 12:07:51 PM



#58
 2-Chloroethyl Vinyl ether
 Concen: 102.066 ug/l
 RT: 8.30 min Scan# 1216
 Delta R.T. -0.01 min
 Lab File: VX013249.D
 Acq: 28 Oct 2019 15:48

Tgt Ion: 63 Resp: 84273
 Ion Ratio Lower Upper
 63 100
 106 33.2 25.4 38.0





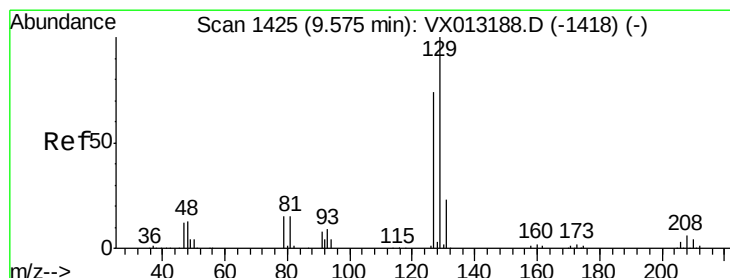
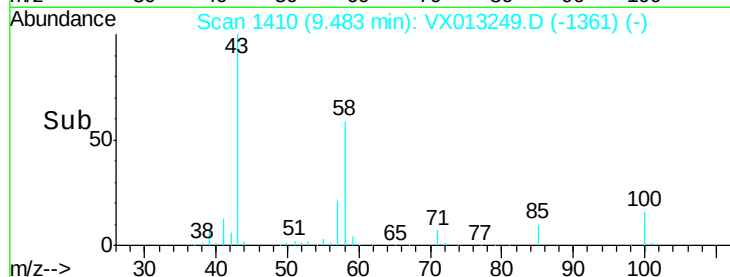
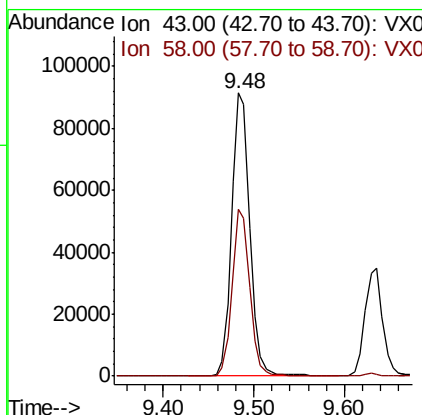
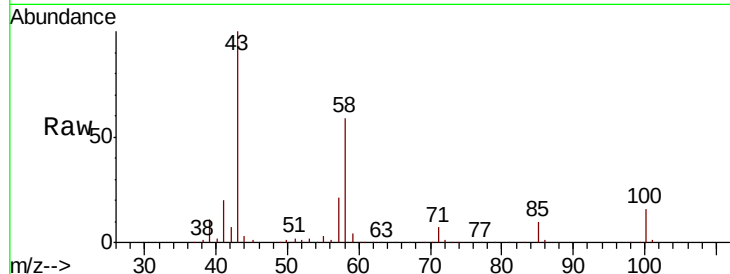
#59
2-Hexanone
Concen: 93.007 ug/l
RT: 9.48 min Scan# 1410
Delta R.T. -0.00 min
Lab File: VX013249.D
Acq: 28 Oct 2019 15:48

Instrument :
MSVOA_X
ClientSampleId :
VX1028WBSD01

Tot Ion: 43 Resp: 129072
Ion Ratio Lower Upper
43 100
58 57.4 28.2 84.7

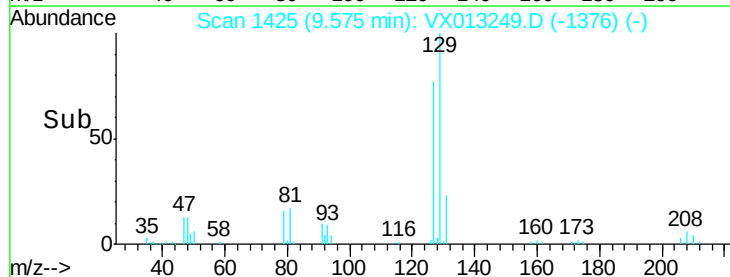
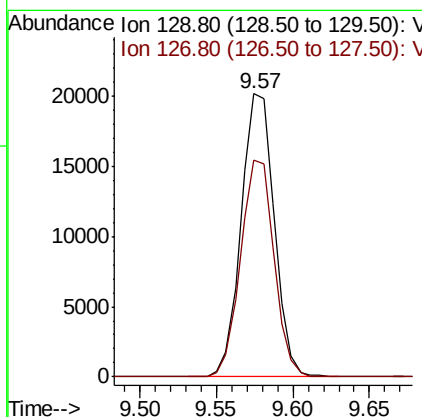
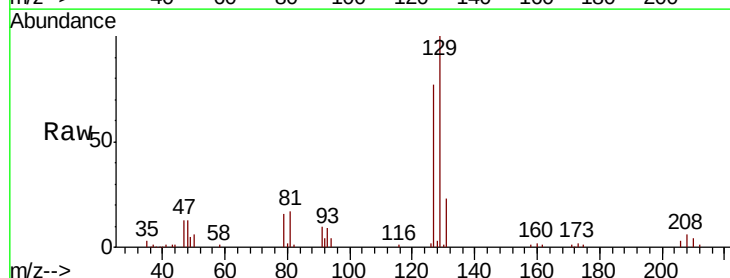
Manual Integrations
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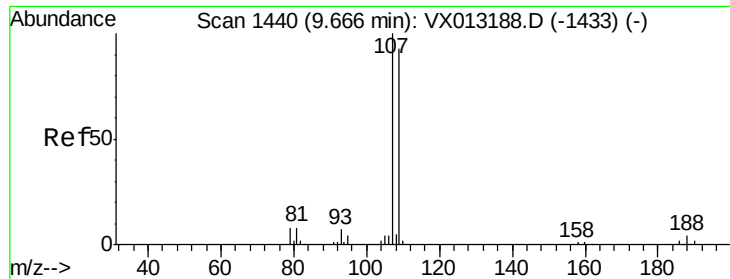
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#60
Dibromochloromethane
Concen: 20.596 ug/l
RT: 9.57 min Scan# 1425
Delta R.T. -0.00 min
Lab File: VX013249.D
Acq: 28 Oct 2019 15:48

Tgt Ion: 129 Resp: 30342
Ion Ratio Lower Upper
129 100
127 77.2 38.2 114.6





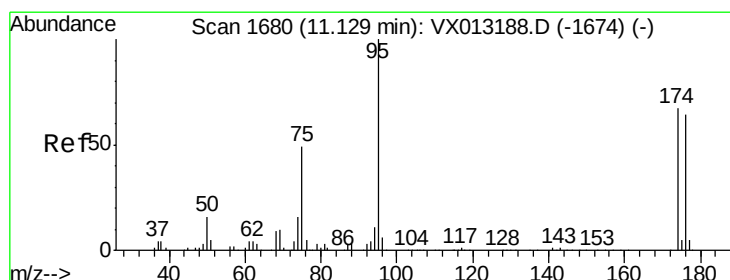
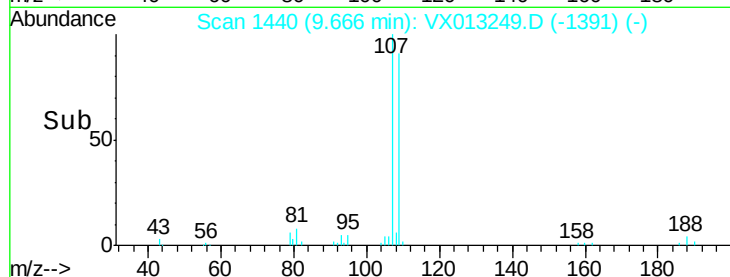
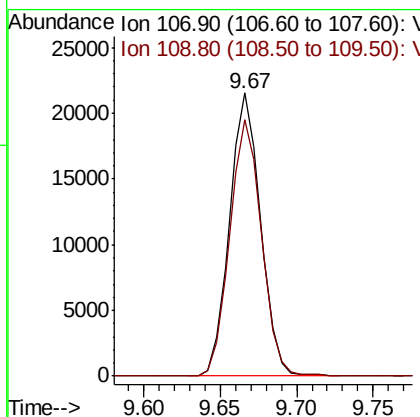
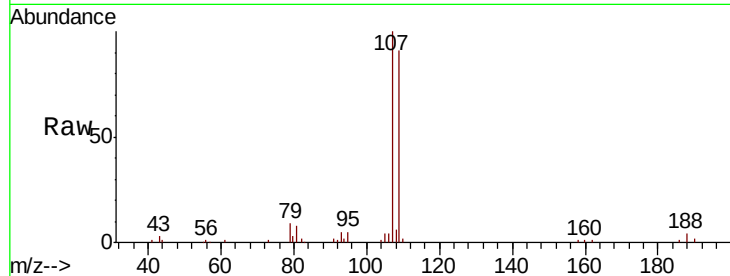
#61
 1,2-Dibromoethane
 Concen: 20.198 ug/l
 RT: 9.67 min Scan# 1440
 Delta R.T. -0.00 min
 Lab File: VX013249.D
 Acq: 28 Oct 2019 15:48

Instrument :
 MSVOA_X
 ClientSampleId :
 VX1028WBSD01

Tot Ion: 107 Resp: 30147
 Ion Ratio Lower Upper
 107 100
 109 92.9 75.7 113.5

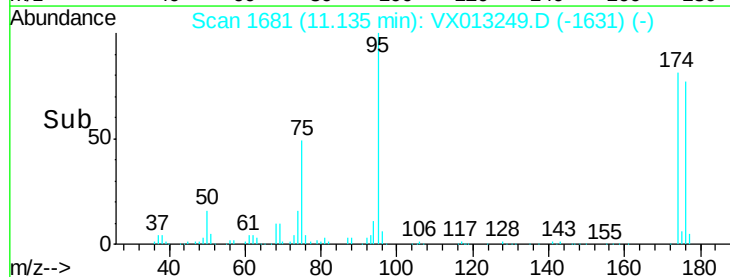
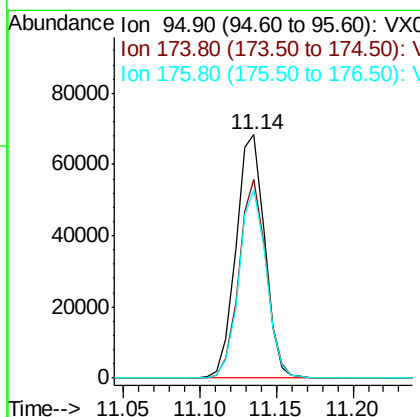
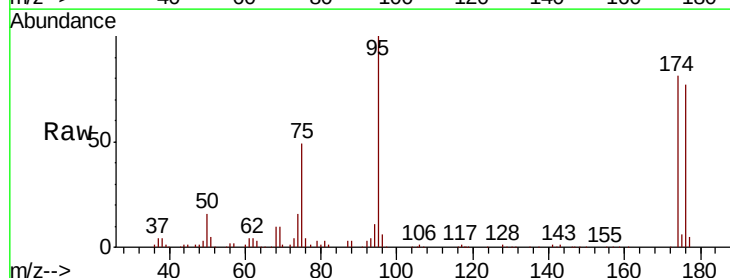
Manual Integrations
 APPROVED

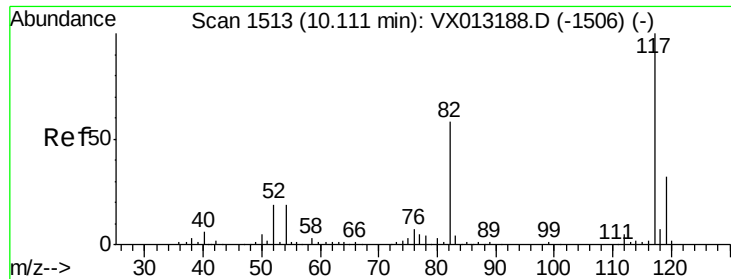
MMDadoda
 10/30/2019 12:07:51 PM



#62
 4-Bromofluorobenzene
 Concen: 50.907 ug/l
 RT: 11.14 min Scan# 1681
 Delta R.T. 0.01 min
 Lab File: VX013249.D
 Acq: 28 Oct 2019 15:48

Tgt Ion: 95 Resp: 88955
 Ion Ratio Lower Upper
 95 100
 174 77.2 0.0 152.4
 176 74.2 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: VX013249.D

Acq: 28 Oct 2019 15:48

Instrument :

MSVOA_X

ClientSampleId :

VX1028WBSD01

Tot Ion:117 Resp: 109638

Ion Ratio Lower Upper

117 100

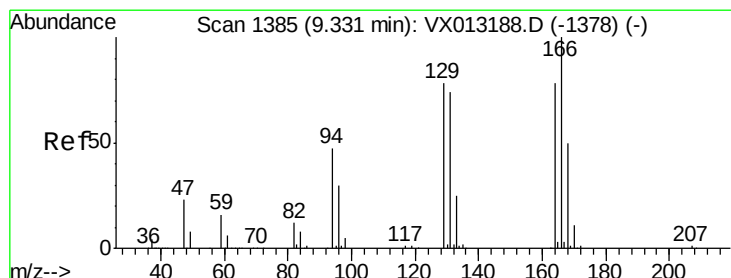
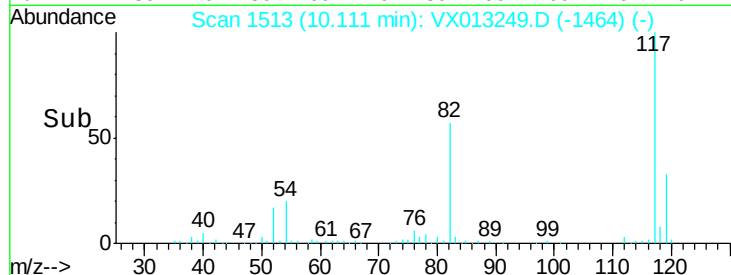
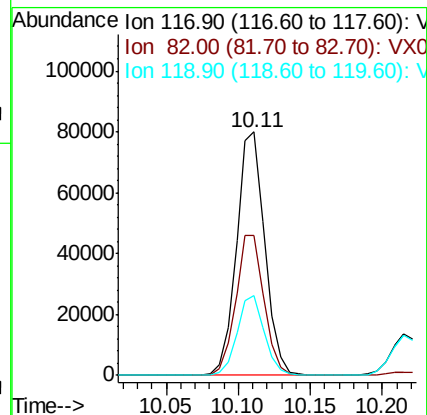
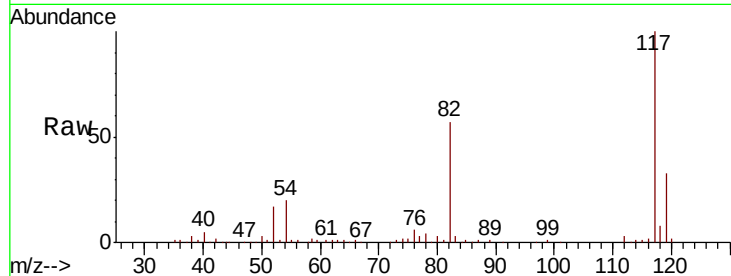
82 57.4 46.5 69.7

119 33.0 25.2 37.8

Manual Integrations
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#64

Tetrachloroethene

Concen: 21.454 ug/l

RT: 9.33 min Scan# 1385

Delta R.T. 0.00 min

Lab File: VX013249.D

Acq: 28 Oct 2019 15:48

Tgt Ion:164 Resp: 30511

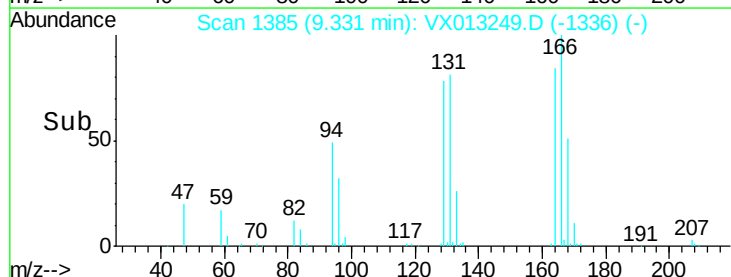
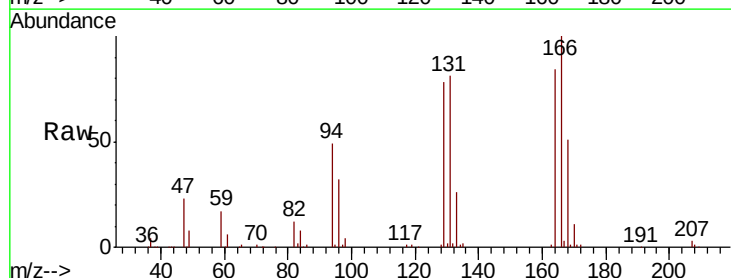
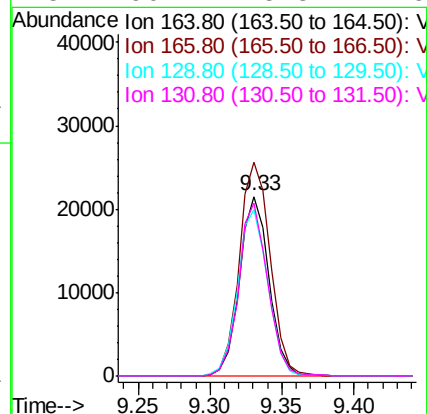
Ion Ratio Lower Upper

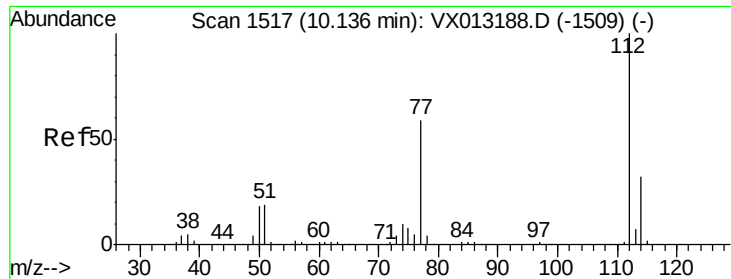
164 100

166 119.1 102.2 153.4

129 93.1 79.8 119.8

131 96.2 75.3 112.9





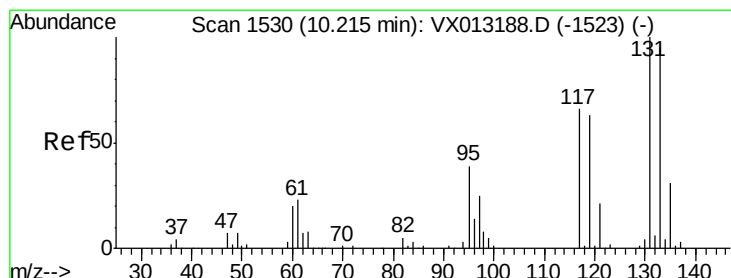
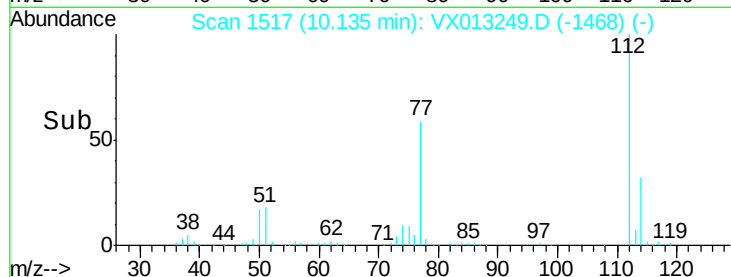
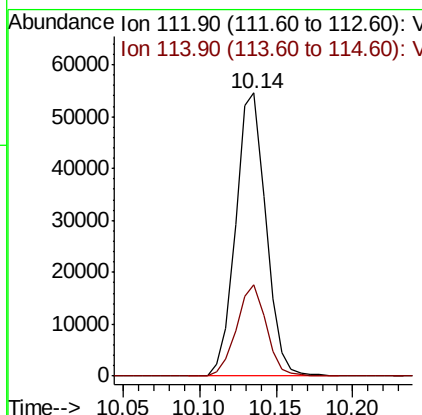
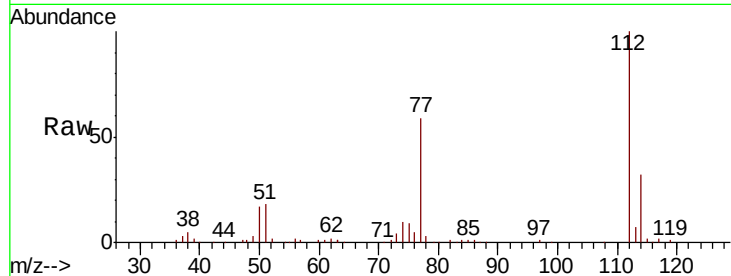
#65
Chlorobenzene
Concen: 19.474 ug/l
RT: 10.14 min Scan# 1517
Delta R.T. -0.00 min
Lab File: VX013249.D
Acq: 28 Oct 2019 15:48

Instrument :
MSVOA_X
ClientSampleId :
VX1028WBSD01

Tot Ion:112 Resp: 74739
Ion Ratio Lower Upper
112 100
114 32.4 25.8 38.8

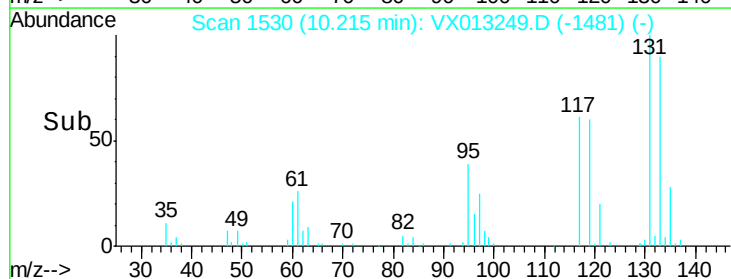
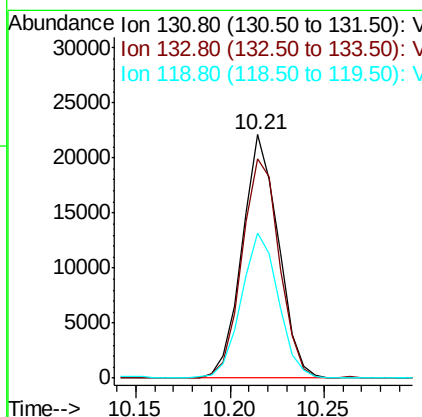
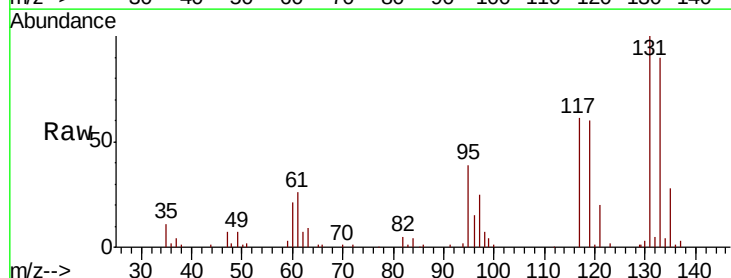
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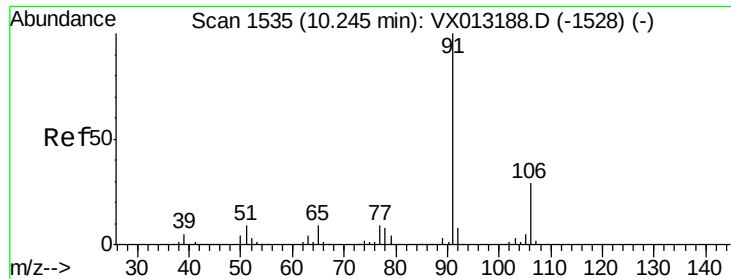
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#66
1,1,1,2-Tetrachloroethane
Concen: 20.844 ug/l
RT: 10.21 min Scan# 1530
Delta R.T. -0.00 min
Lab File: VX013249.D
Acq: 28 Oct 2019 15:48

Tgt Ion:131 Resp: 29553
Ion Ratio Lower Upper
131 100
133 92.7 48.4 145.2
119 61.0 32.4 97.0





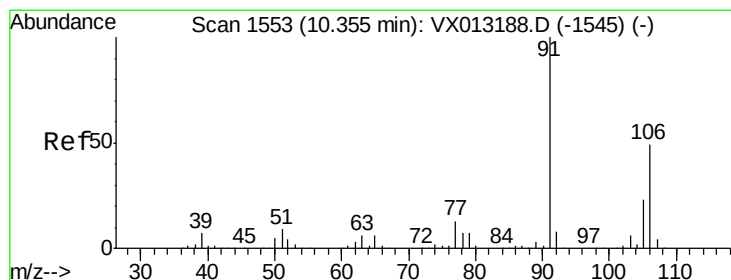
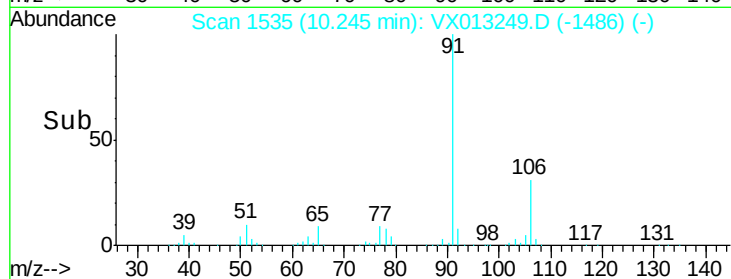
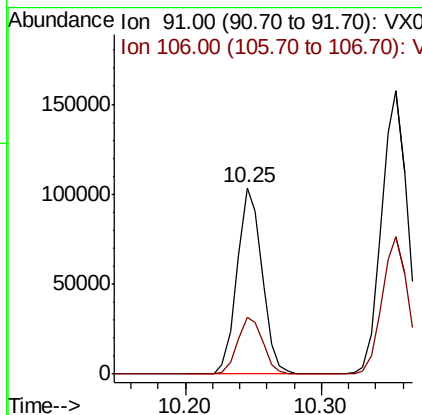
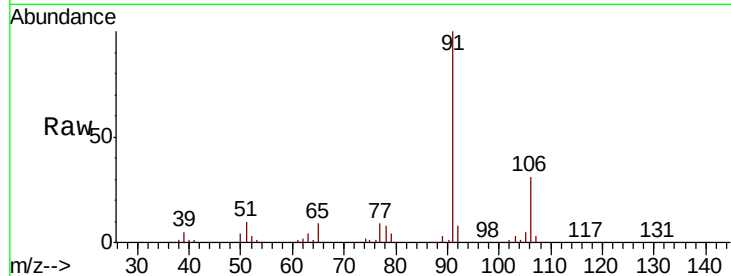
#67
Ethyl Benzene
Concen: 19.342 ug/l
RT: 10.25 min Scan# 1535
Delta R.T. -0.00 min
Lab File: VX013249.D
Acq: 28 Oct 2019 15:48

Instrument :
MSVOA_X
ClientSampleId :
VX1028WBSD01

Tot Ion: 91 Resp: 132893
Ion Ratio Lower Upper
91 100
106 30.8 23.5 35.3

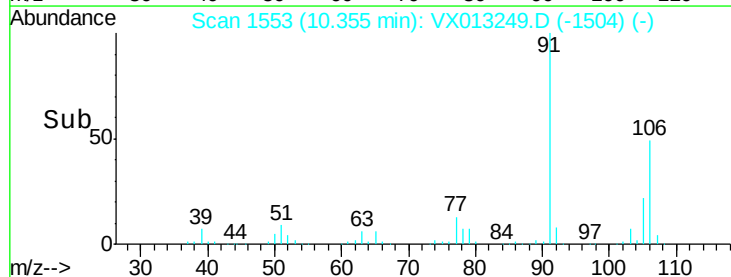
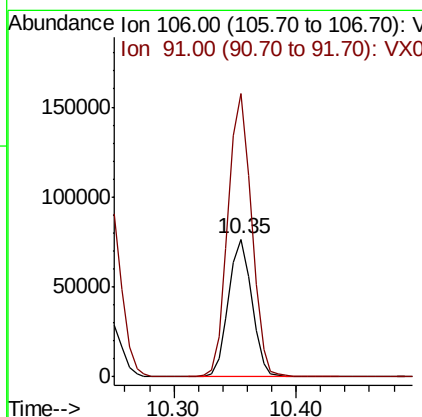
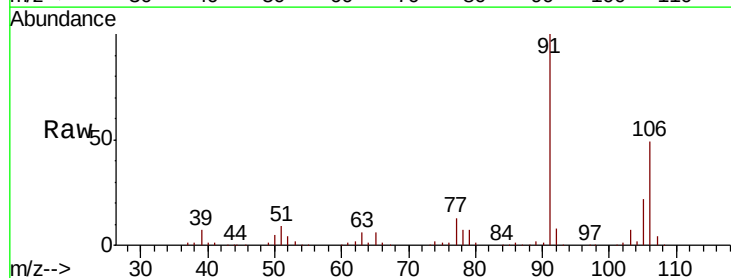
Manual Integrations
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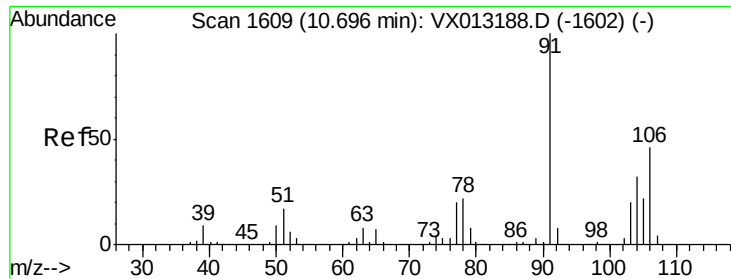
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#68
m/p-Xylenes
Concen: 39.116 ug/l
RT: 10.35 min Scan# 1553
Delta R.T. -0.00 min
Lab File: VX013249.D
Acq: 28 Oct 2019 15:48

Tgt Ion: 106 Resp: 101568
Ion Ratio Lower Upper
106 100
91 207.5 166.8 250.2





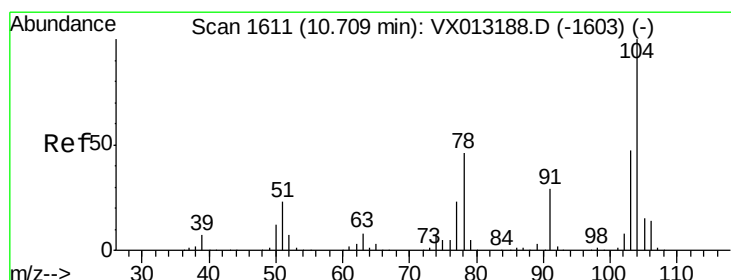
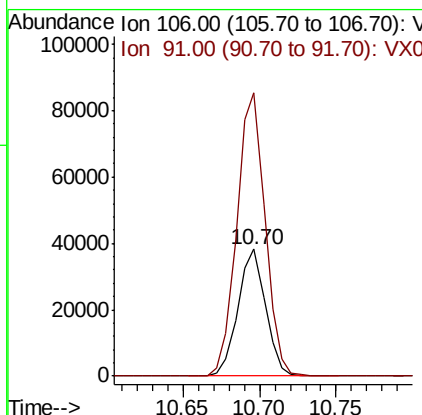
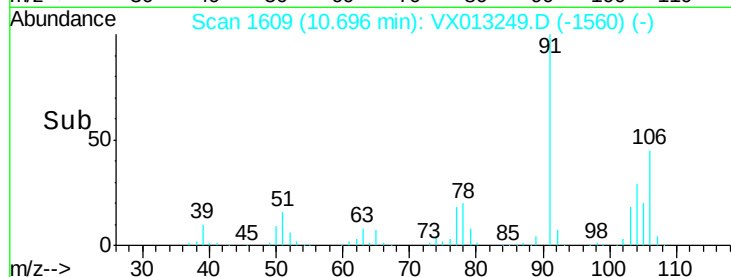
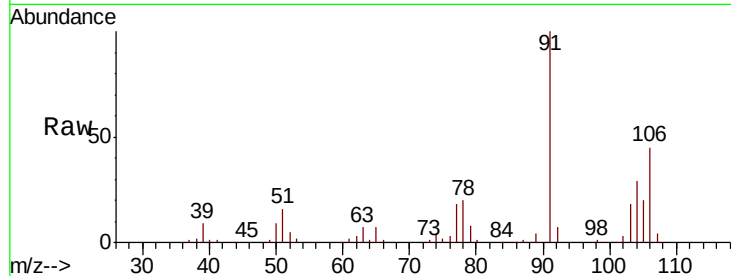
#69
o-Xylene
Concen: 19.293 ug/l
RT: 10.70 min Scan# 1609
Delta R.T. -0.00 min
Lab File: VX013249.D
Acq: 28 Oct 2019 15:48

Instrument :
MSVOA_X
ClientSampleId :
VX1028WBSD01

Tot Ion:106 Resp: 48057
Ion Ratio Lower Upper
106 100
91 227.5 110.7 331.9

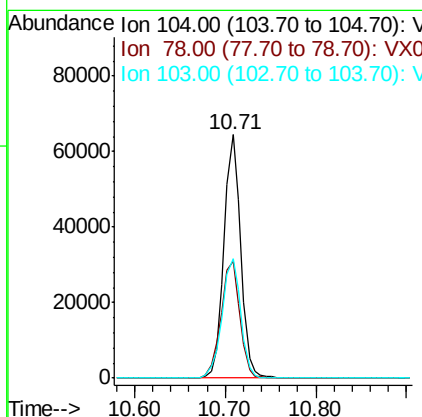
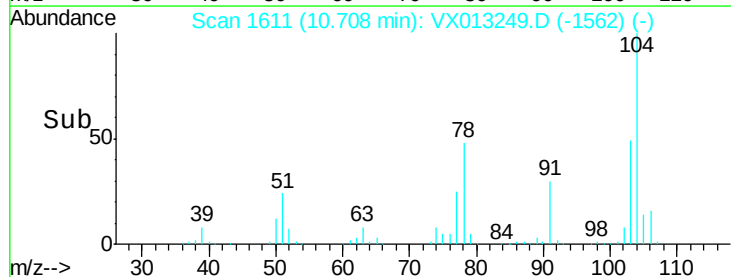
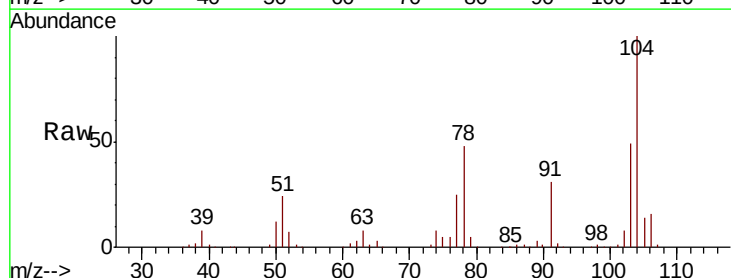
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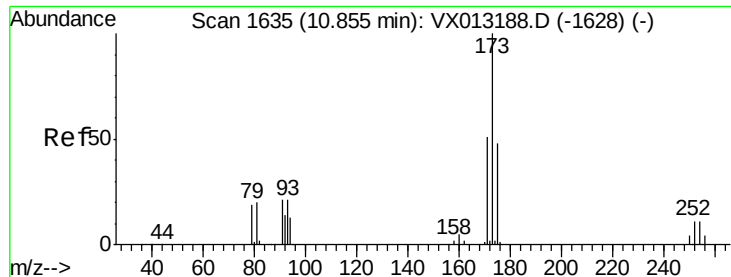
MMDadoda
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#70
Styrene
Concen: 19.461 ug/l
RT: 10.71 min Scan# 1611
Delta R.T. -0.00 min
Lab File: VX013249.D
Acq: 28 Oct 2019 15:48

Tgt Ion:104 Resp: 83469
Ion Ratio Lower Upper
104 100
78 53.8 42.2 63.4
103 54.3 42.8 64.2





#71

Bromoform

Concen: 20.581 ug/l

RT: 10.85 min Scan# 1635

Delta R.T. -0.00 min

Lab File: VX013249.D

Acq: 28 Oct 2019 15:48

Instrument :

MSVOA_X

ClientSampleId :

VX1028WBSD01

Tot Ion:173 Resp: 21321

Ion Ratio Lower Upper

173 100

175 49.5 24.3 72.8

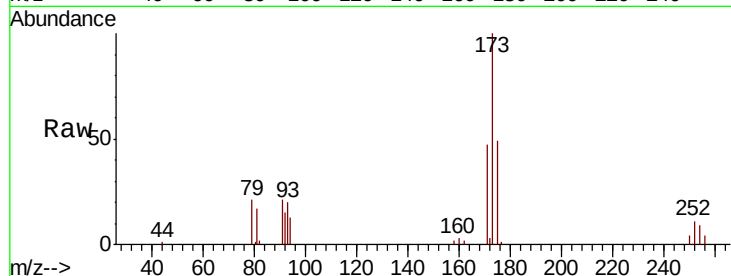
254 0.0 0.1 0.1#

Manual Integrations

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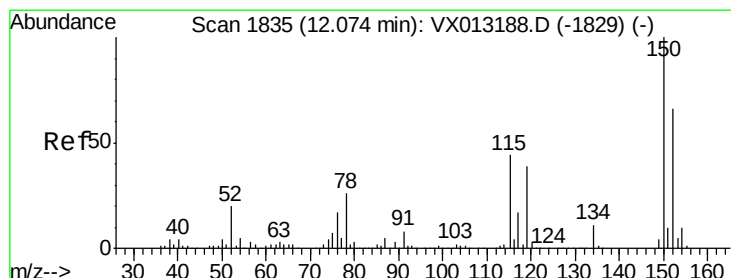
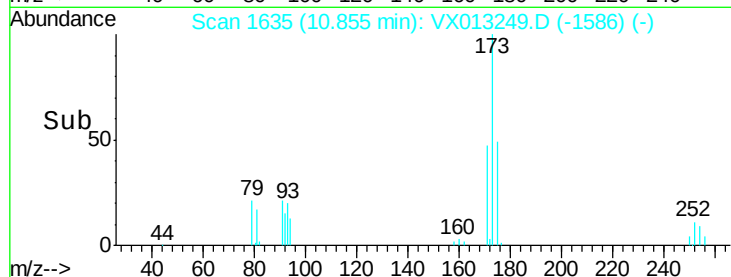
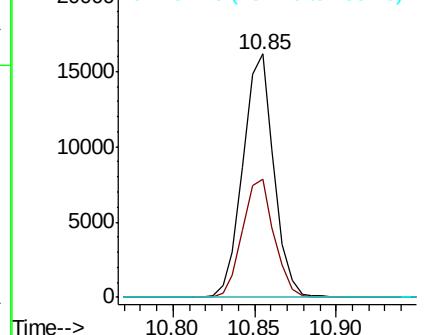
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Abundance Ion 172.70 (172.40 to 173.40): V

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: VX013249.D

Acq: 28 Oct 2019 15:48

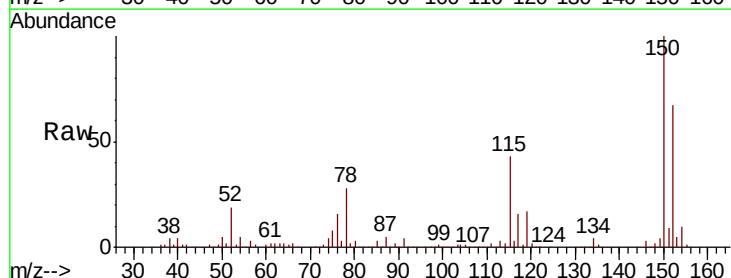
Tgt Ion:152 Resp: 76207

Ion Ratio Lower Upper

152 100

115 74.4 46.6 139.8

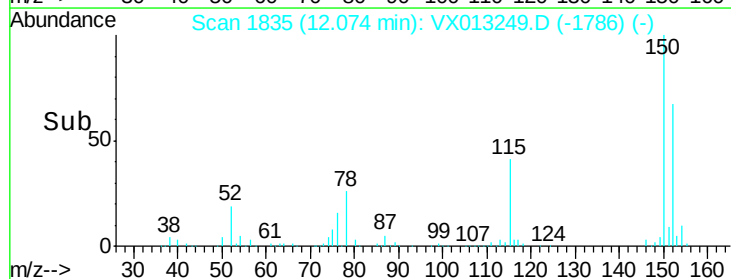
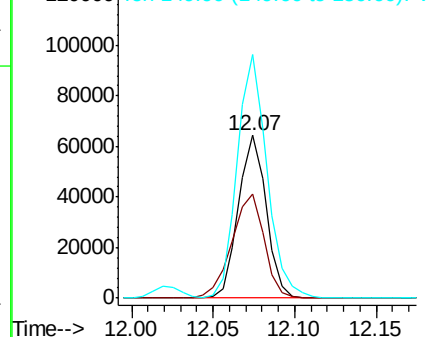
150 160.6 0.0 354.0

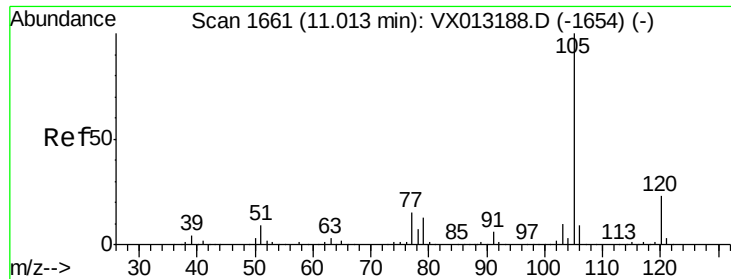


Abundance Ion 151.90 (151.60 to 152.60): V

Ion 114.90 (114.60 to 115.60): V

Ion 149.90 (149.60 to 150.60): V





#73

Isopropylbenzene

Concen: 19.414 ug/l

RT: 11.01 min Scan# 1661

Delta R.T. -0.00 min

Lab File: VX013249.D

Acq: 28 Oct 2019 15:48

Instrument :

MSVOA_X

ClientSampleId :

VX1028WBSD01

Tot Ion:105 Resp: 134348

Ion Ratio Lower Upper

105 100

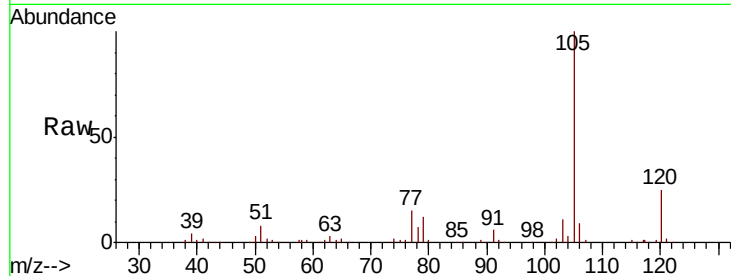
120 25.7 12.6 37.8

Manual Integrations

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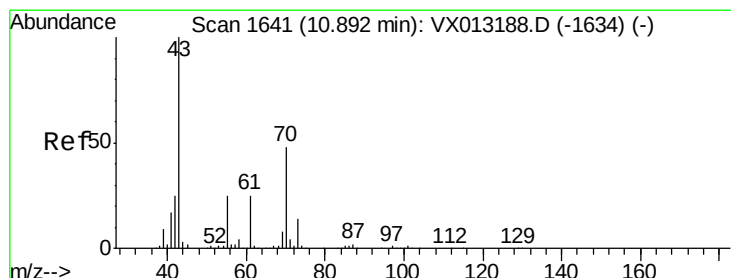
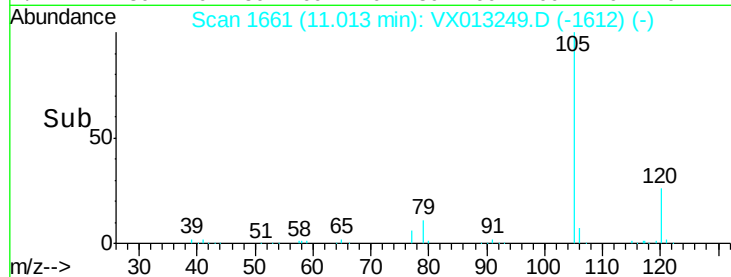
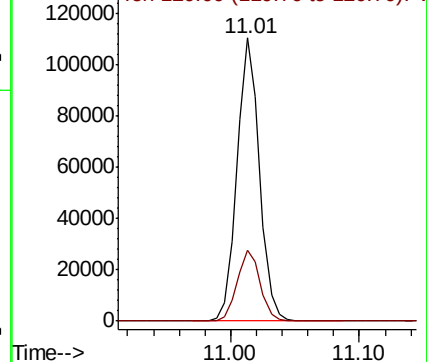
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Abundance Ion 105.00 (104.70 to 105.70): V

Ion 120.00 (119.70 to 120.70): V



#74

N-ethyl acetate

Concen: 17.861 ug/l

RT: 10.89 min Scan# 1641

Delta R.T. -0.00 min

Lab File: VX013249.D

Acq: 28 Oct 2019 15:48

Tgt Ion: 43 Resp: 45365

Ion Ratio Lower Upper

43 100

70 49.0 38.5 57.7

55 26.3 20.7 31.1

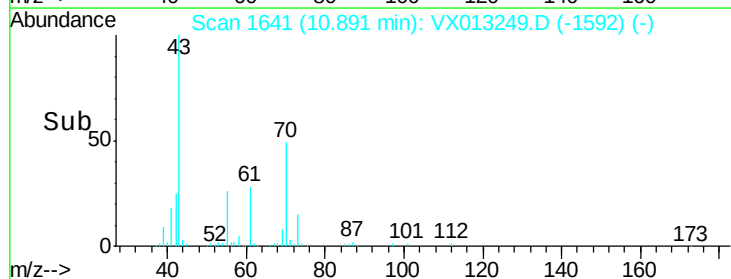
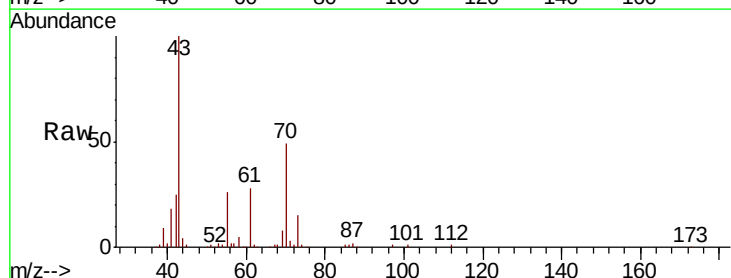
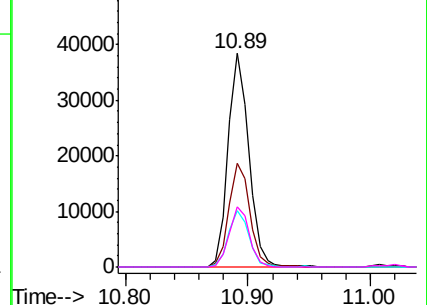
61 27.3 20.8 31.2

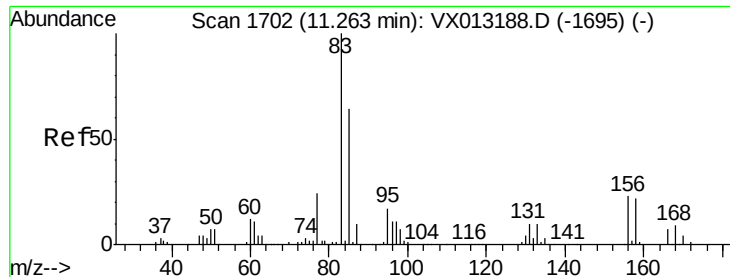
Abundance Ion 43.00 (42.70 to 43.70): VX0

Ion 70.00 (69.70 to 70.70): VX0

Ion 55.00 (54.70 to 55.70): VX0

Ion 61.00 (60.70 to 61.70): VX0





#75

1,1,2,2-Tetrachloroethane

Concen: 18.467 ug/l

RT: 11.26 min Scan# 1702

Delta R.T. -0.00 min

Lab File: VX013249.D

Acq: 28 Oct 2019 15:48

Instrument :

MSVOA_X

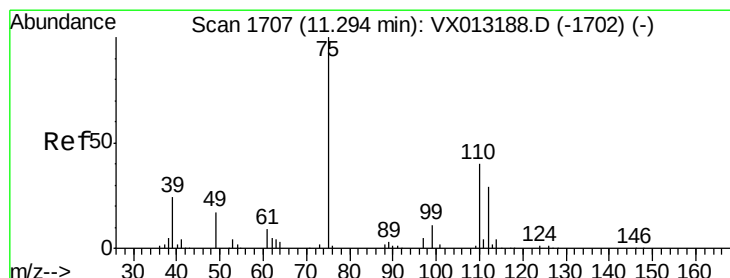
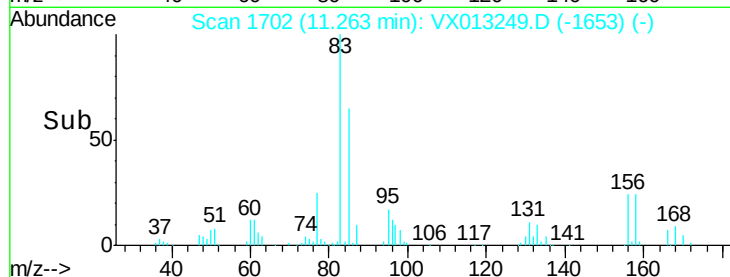
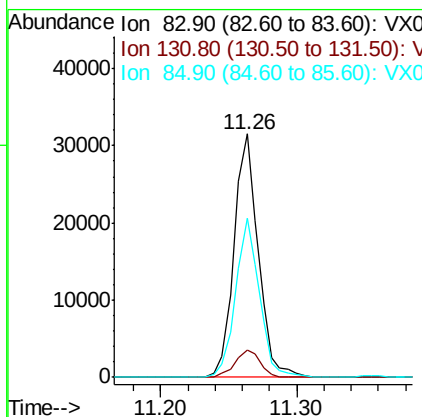
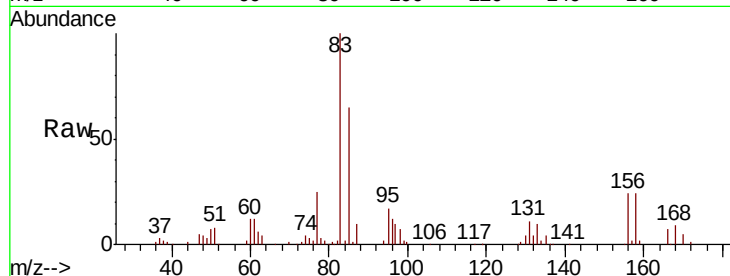
ClientSampleId :

VX1028WBSD01

Tot Ion:	83	Resp:	38804
Ion Ratio	Lower	Upper	
83	100		
131	11.7	5.3	16.1
85	64.9	31.4	94.3

Manual Integrations
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#76

1,2,3-Trichloropropane

Concen: 21.697 ug/l m

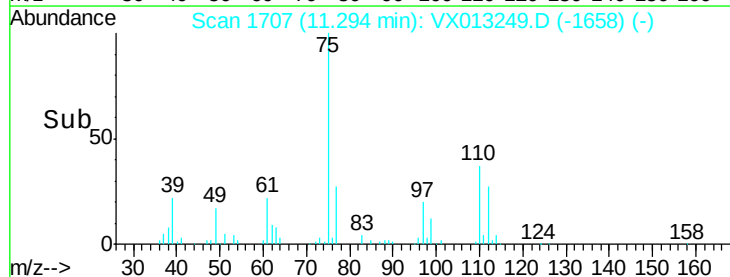
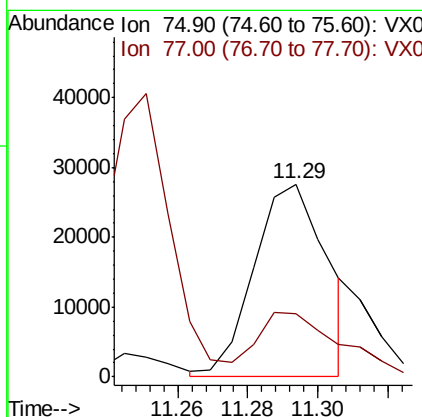
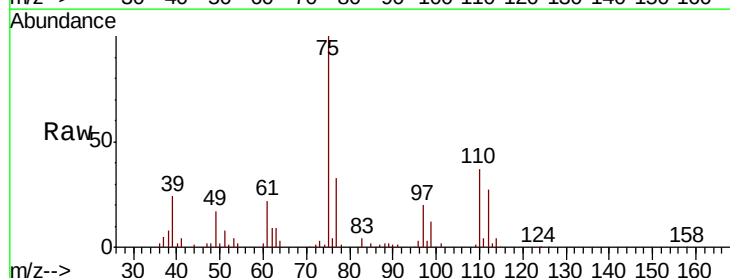
RT: 11.29 min Scan# 1707

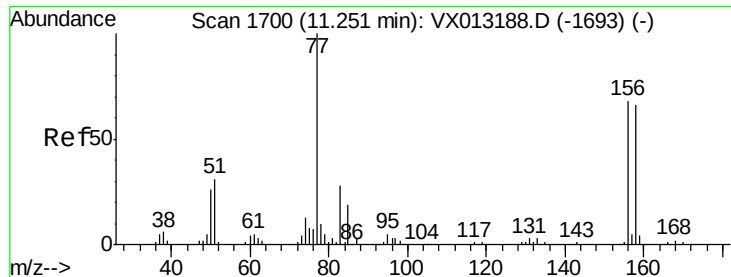
Delta R.T. -0.00 min

Lab File: VX013249.D

Acq: 28 Oct 2019 15:48

Tgt Ion:	75	Resp:	39852
Ion Ratio	Lower	Upper	
75	100		
77	38.7	19.1	57.5





#77

Bromobenzene

Concen: 18.602 ug/l

RT: 11.25 min Scan# 1700

Delta R.T. -0.00 min

Lab File: VX013249.D

Acq: 28 Oct 2019 15:48

Instrument :

MSVOA_X

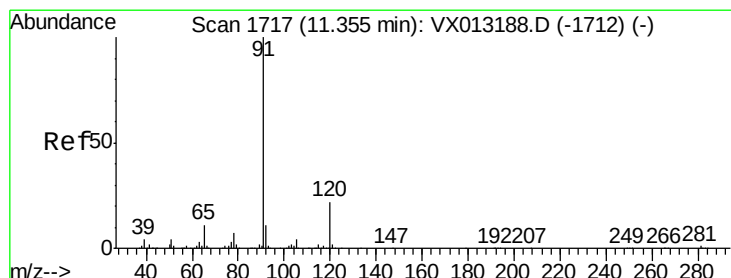
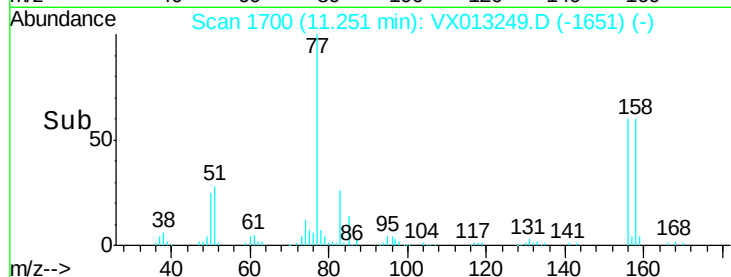
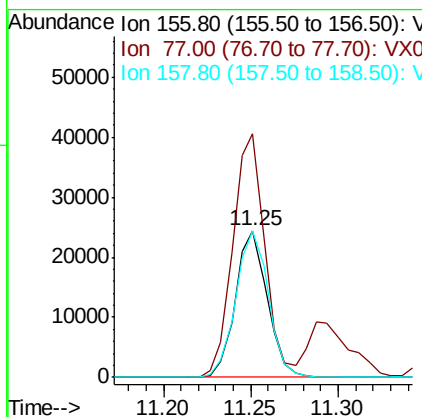
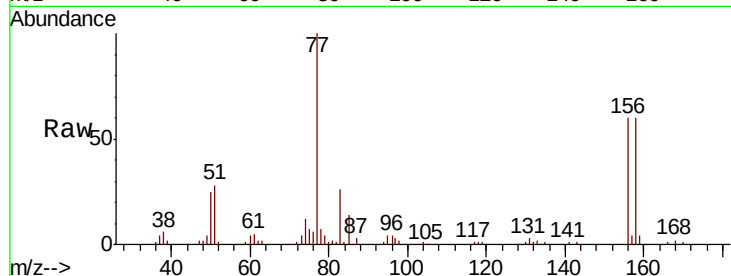
ClientSampleId :

VX1028WBSD01

Tot Ion:	156	Resp:	30854
Ion	Ratio	Lower	Upper
156	100		
77	167.5	81.7	245.1
158	102.1	49.6	148.8

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#78

n-propylbenzene

Concen: 19.049 ug/l

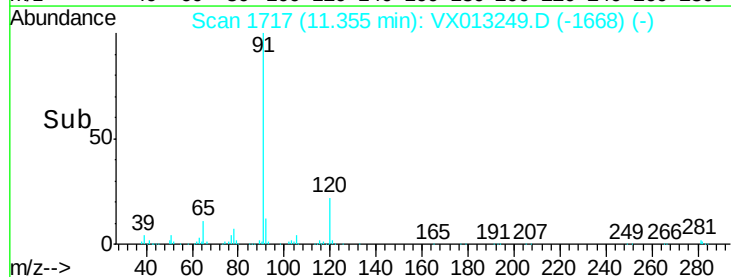
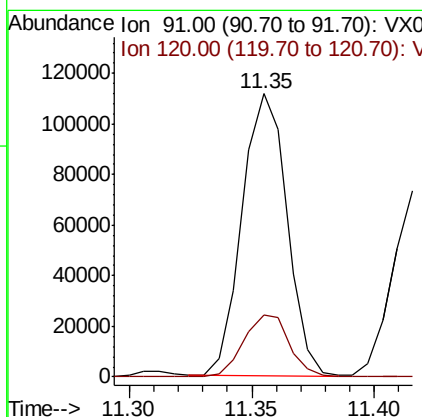
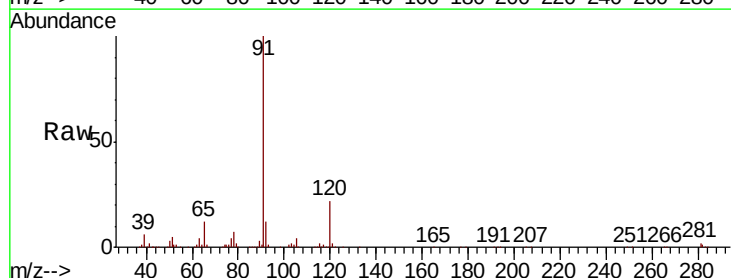
RT: 11.35 min Scan# 1717

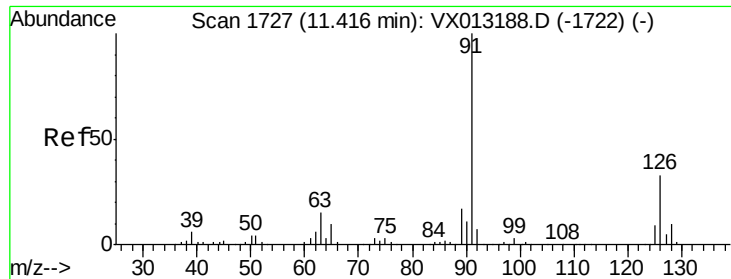
Delta R.T. -0.00 min

Lab File: VX013249.D

Acq: 28 Oct 2019 15:48

Tgt Ion:	91	Resp:	143195
Ion	Ratio	Lower	Upper
91	100		
120	22.5	11.4	34.1





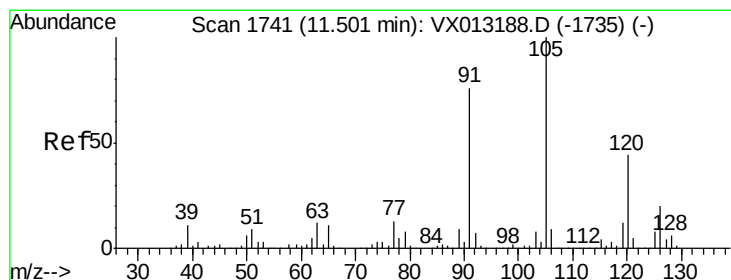
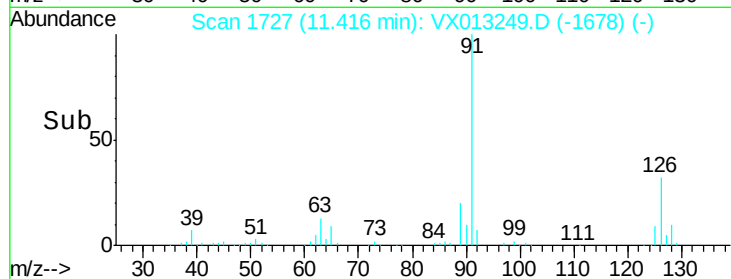
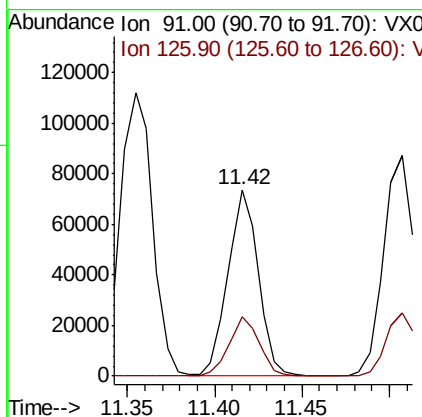
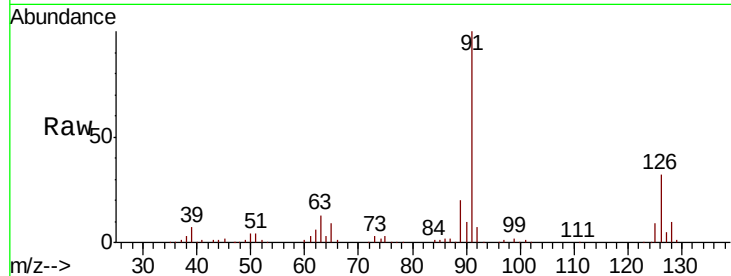
#79
 2-Chlorotoluene
 Concen: 18.619 ug/l
 RT: 11.42 min Scan# 1727
 Delta R.T. -0.00 min
 Lab File: VX013249.D
 Acq: 28 Oct 2019 15:48

Instrument :
 MSVOA_X
 ClientSampleId :
 VX1028WBSD01

Tot Ion: 91 Resp: 88434
 Ion Ratio Lower Upper
 91 100
 126 32.1 16.3 48.8

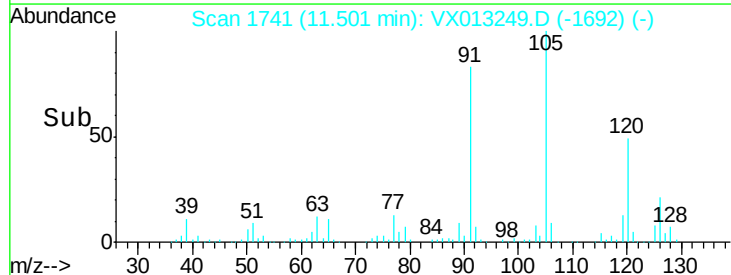
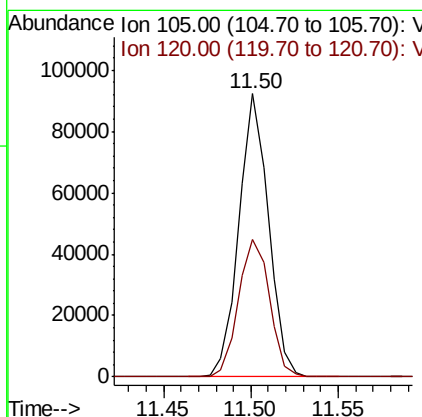
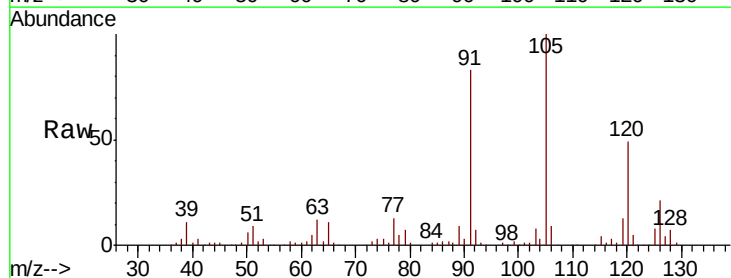
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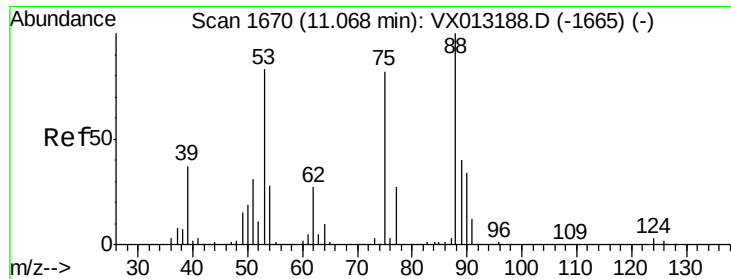
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#80
 1,3,5-Trimethylbenzene
 Concen: 18.847 ug/l
 RT: 11.50 min Scan# 1741
 Delta R.T. -0.00 min
 Lab File: VX013249.D
 Acq: 28 Oct 2019 15:48

Tgt Ion: 105 Resp: 108410
 Ion Ratio Lower Upper
 105 100
 120 51.3 23.4 70.0





#81

trans-1,4-Dichloro-2-butene

Concen: 18.598 ug/l

RT: 11.07 min Scan# 1670

Delta R.T. -0.00 min

Lab File: VX013249.D

Acq: 28 Oct 2019 15:48

Instrument :

MSVOA_X

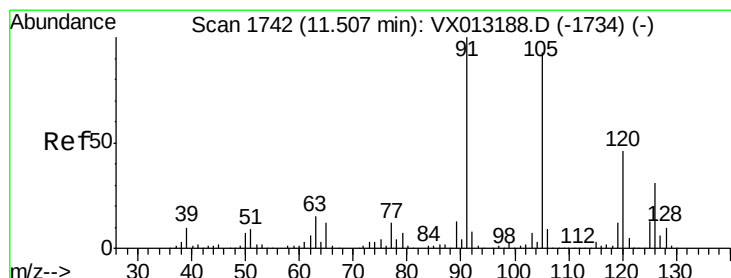
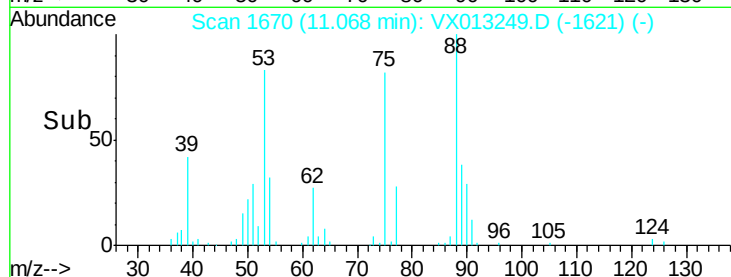
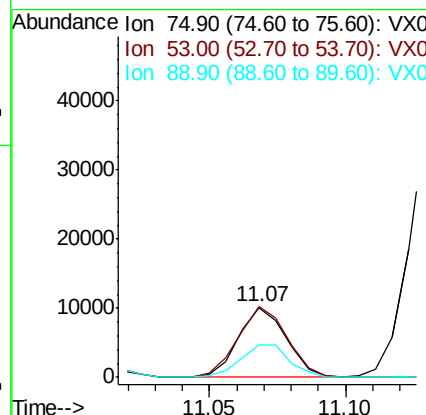
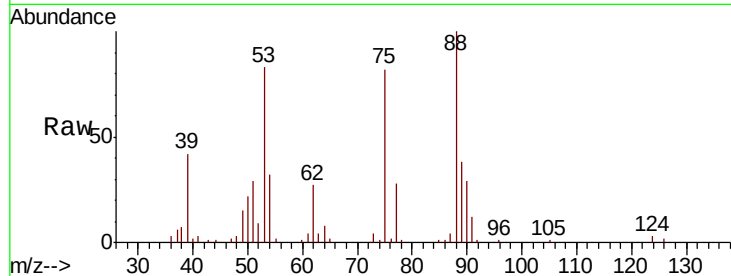
ClientSampleId :

VX1028WBSD01

Tot Ion:	75	Resp:	12431
Ion Ratio	Lower	Upper	
75	100		
53	103.2	77.9	116.9
89	47.6	37.3	55.9

Manual Integrations
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#82

4-Chlorotoluene

Concen: 20.194 ug/l

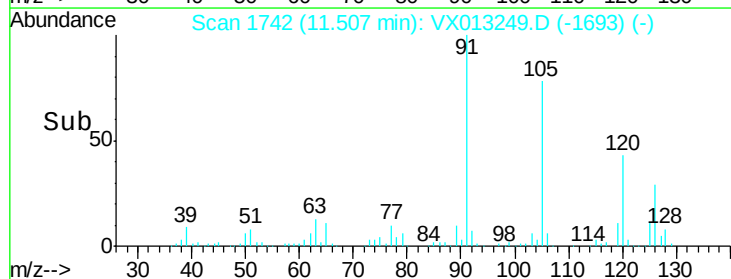
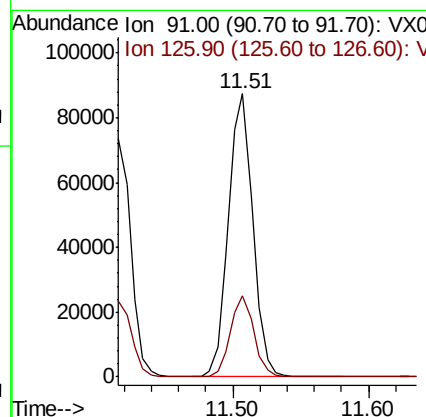
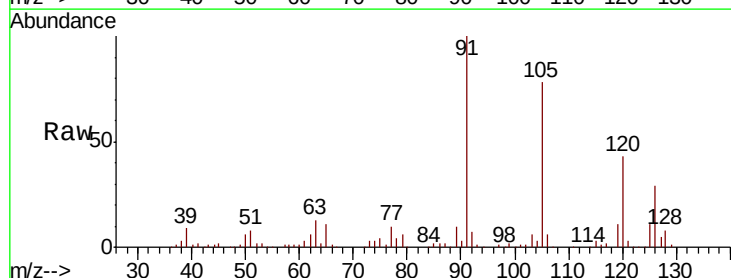
RT: 11.51 min Scan# 1742

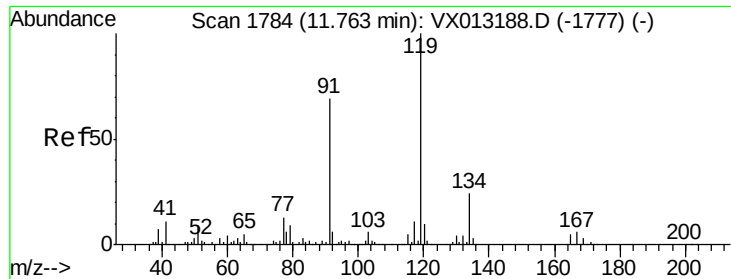
Delta R.T. -0.00 min

Lab File: VX013249.D

Acq: 28 Oct 2019 15:48

Tgt Ion:	91	Resp:	108674
Ion Ratio	Lower	Upper	
91	100		
126	27.5	14.6	44.0





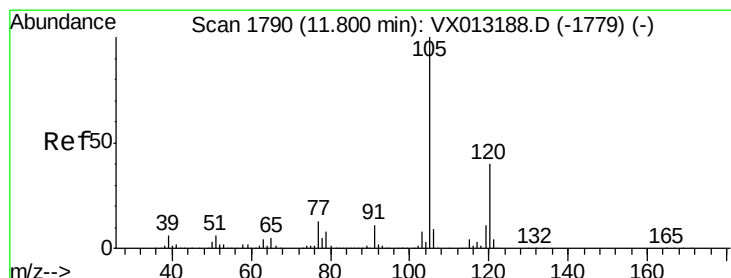
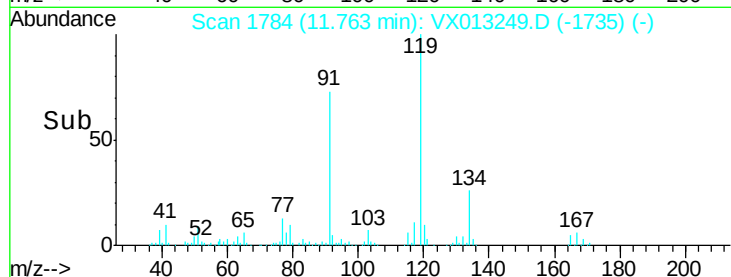
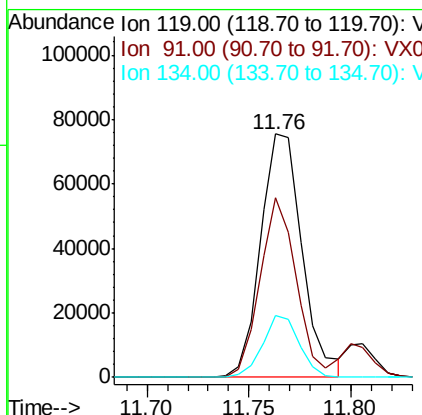
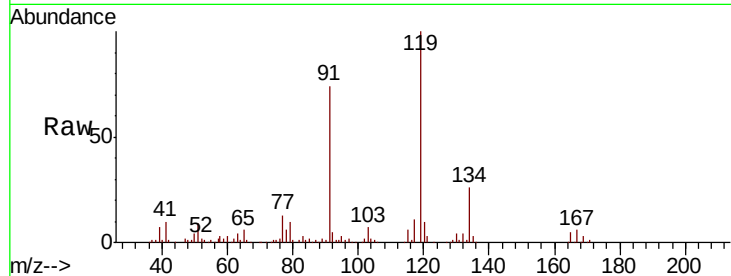
#83
 tert-Butylbenzene
 Concen: 18.840 ug/l
 RT: 11.76 min Scan# 1784
 Delta R.T. -0.00 min
 Lab File: VX013249.D
 Acq: 28 Oct 2019 15:48

Instrument :
 MSVOA_X
 ClientSampleId :
 VX1028WBSD01

Tot Ion	Ratio	Resp	Lower	Upper
119	100	107220		
91	64.2	30.8	92.4	
134	22.8	11.5	34.5	

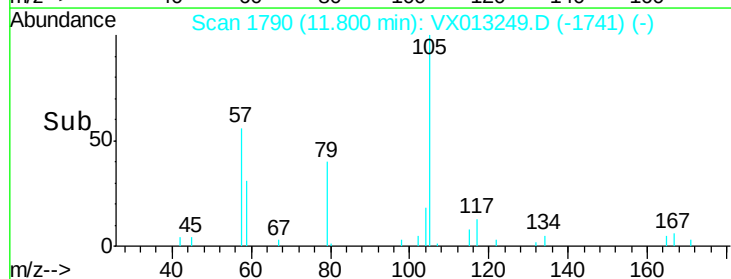
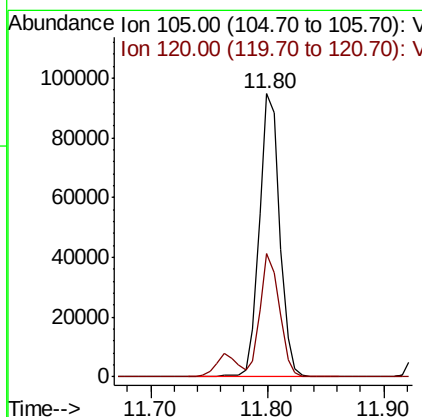
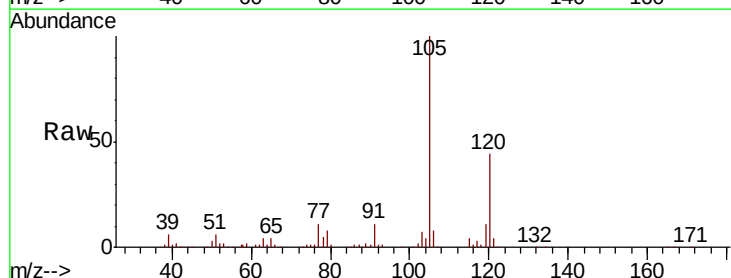
Manual Integrations
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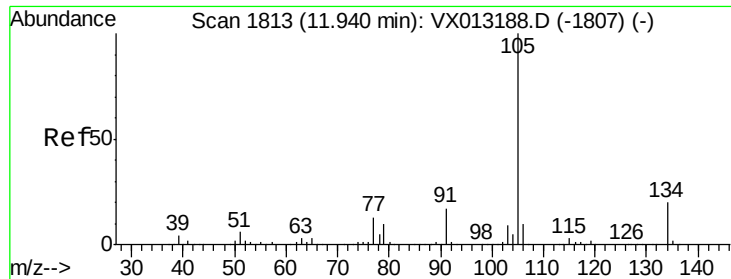
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#84
 1,2,4-Trimethylbenzene
 Concen: 20.015 ug/l
 RT: 11.80 min Scan# 1790
 Delta R.T. -0.00 min
 Lab File: VX013249.D
 Acq: 28 Oct 2019 15:48

Tgt Ion	Ratio	Resp	Lower	Upper
105	100	116125		
120	41.7	21.4	64.3	





#85

sec-Butylbenzene

Concen: 19.543 ug/l

RT: 11.94 min Scan# 1813

Delta R.T. -0.00 min

Lab File: VX013249.D

Acq: 28 Oct 2019 15:48

Instrument :

MSVOA_X

ClientSampleId :

VX1028WBSD01

Tot Ion:105 Resp: 126568

Ion Ratio Lower Upper

105 100

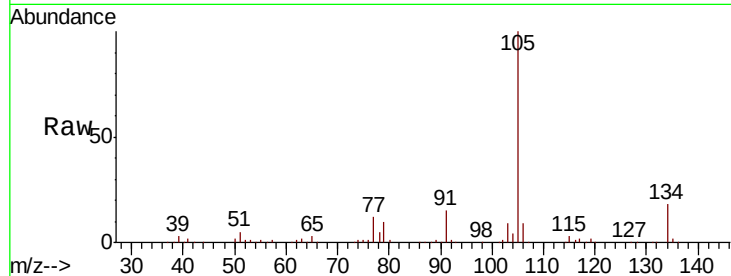
134 19.9 9.9 29.7

Manual Integrations

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Abundance Ion 105.00 (104.70 to 105.70): V

Ion 134.00 (133.70 to 134.70): V

11.94

120000

100000

80000

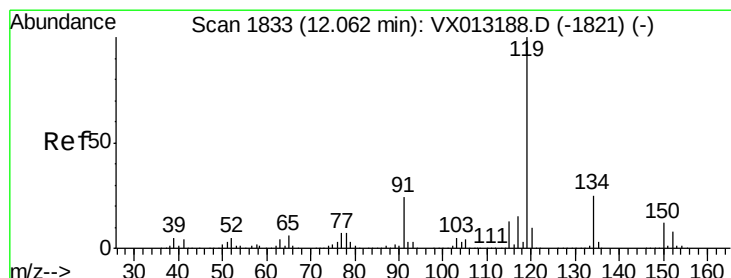
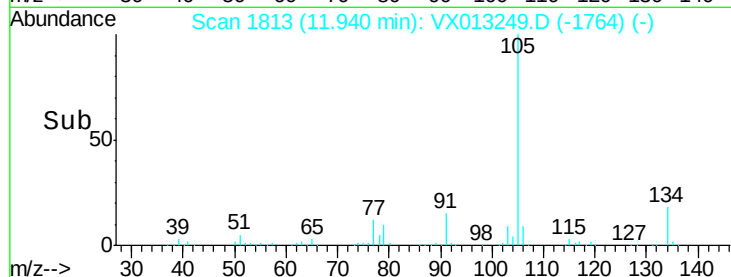
60000

40000

20000

0

Time-->



#86

p-Isopropyltoluene

Concen: 20.087 ug/l

RT: 12.06 min Scan# 1833

Delta R.T. -0.00 min

Lab File: VX013249.D

Acq: 28 Oct 2019 15:48

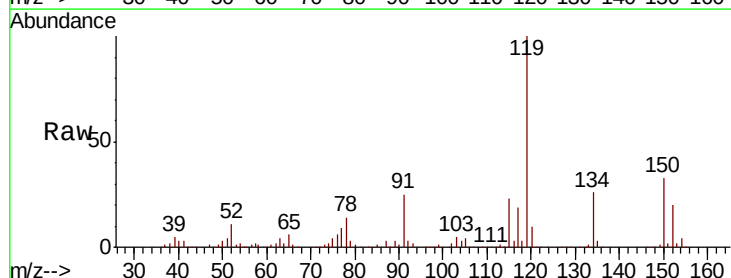
Tgt Ion:119 Resp: 122214

Ion Ratio Lower Upper

119 100

134 24.7 12.5 37.5

91 25.3 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

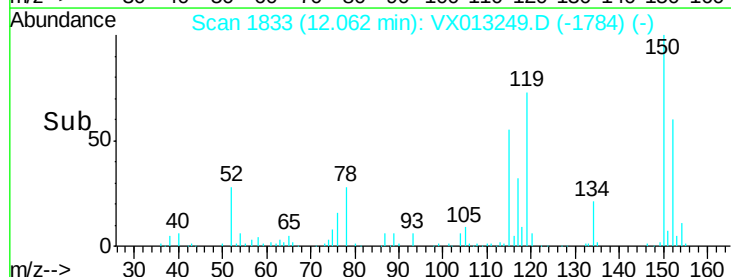
12.06

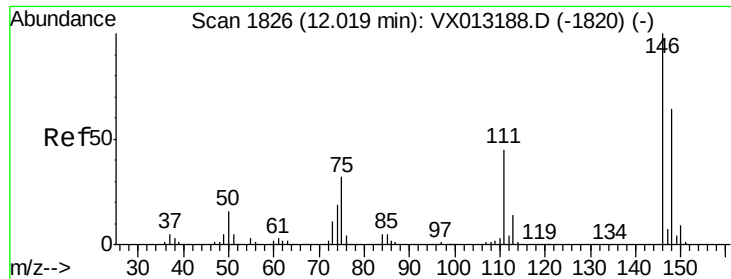
100000

50000

0

Time-->





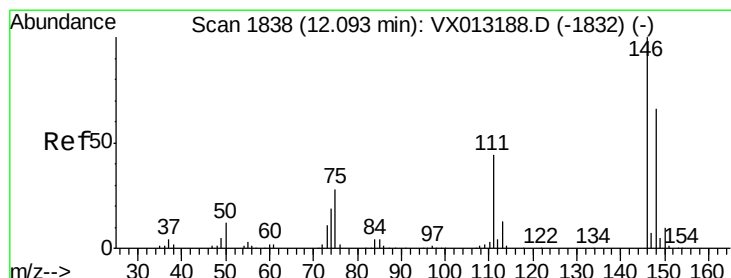
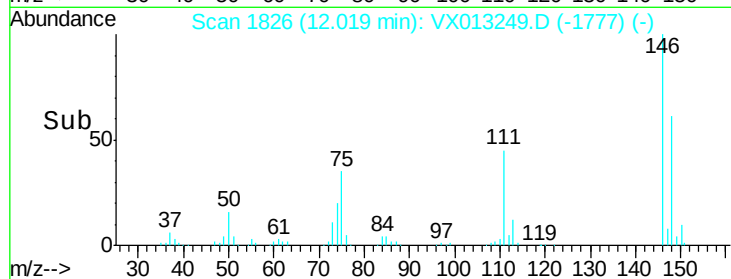
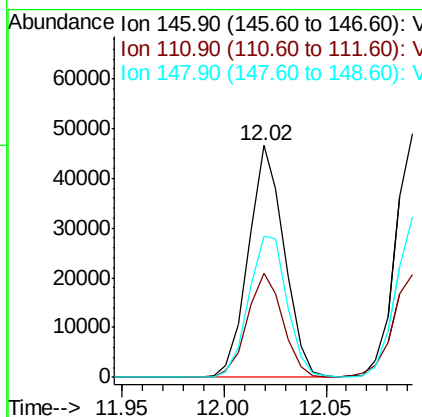
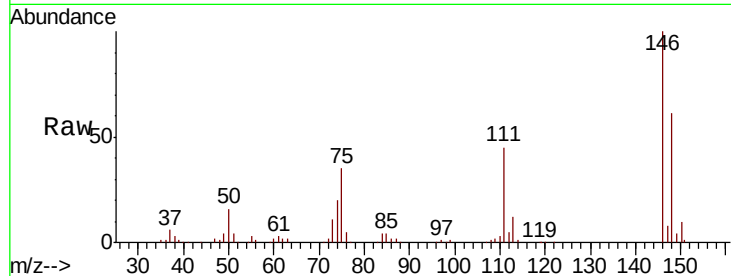
#87
 1,3-Dichlorobenzene
 Concen: 19.016 ug/l
 RT: 12.02 min Scan# 1826
 Delta R.T. -0.00 min
 Lab File: VX013249.D
 Acq: 28 Oct 2019 15:48

Instrument :
 MSVOA_X
 ClientSampleId :
 VX1028WBSD01

Tot Ion	Ratio	Lower	Upper
146	100		
111	44.5	21.3	63.9
148	65.1	31.6	94.8

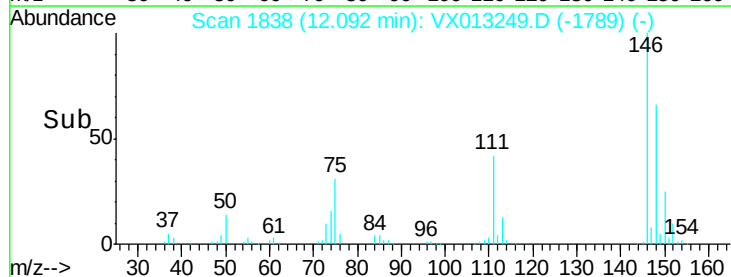
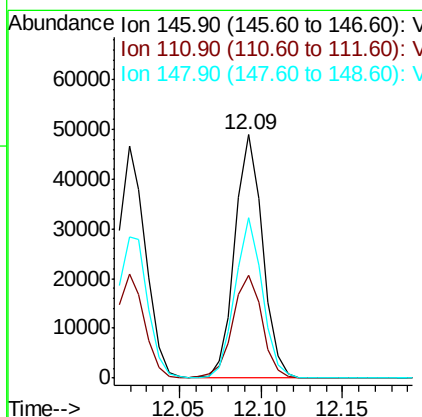
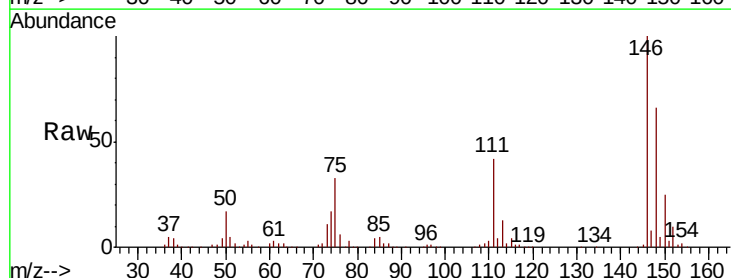
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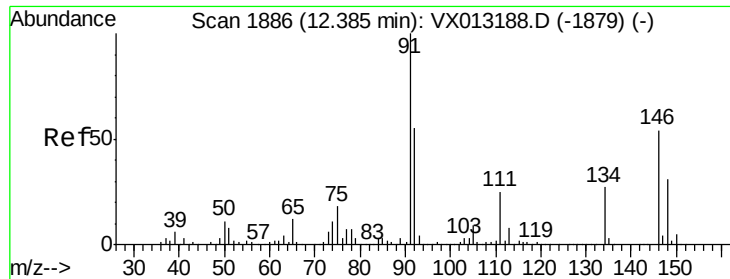
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#88
 1,4-Dichlorobenzene
 Concen: 18.988 ug/l
 RT: 12.09 min Scan# 1838
 Delta R.T. -0.00 min
 Lab File: VX013249.D
 Acq: 28 Oct 2019 15:48

Tgt Ion	Ratio	Lower	Upper
146	100		
111	45.1	21.3	63.9
148	65.0	32.5	97.5





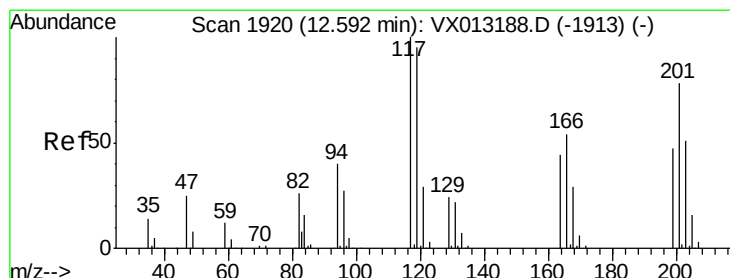
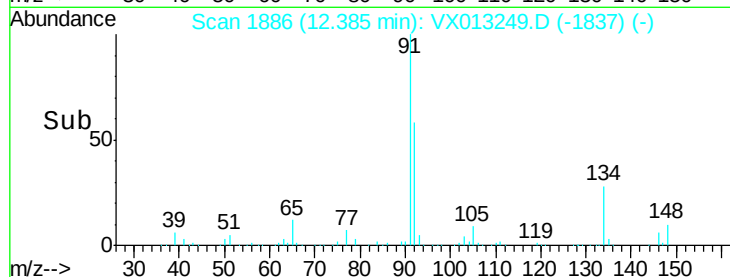
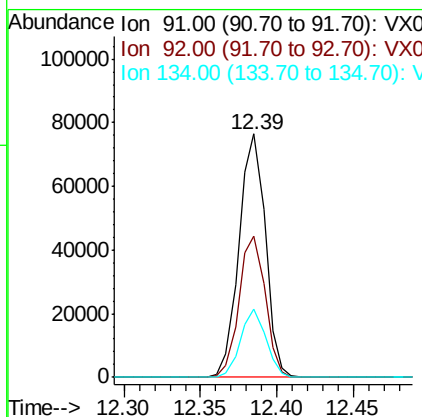
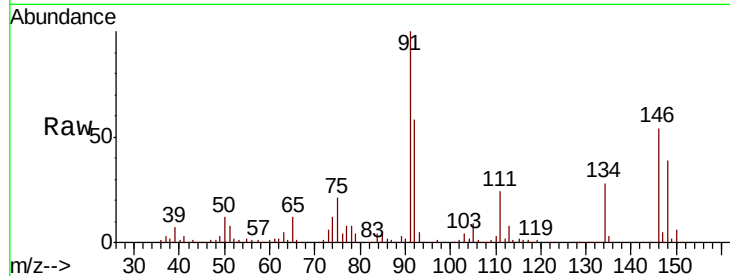
#89
n-Butylbenzene
Concen: 18.344 ug/l
RT: 12.39 min Scan# 1886
Delta R.T. -0.00 min
Lab File: VX013249.D
Acq: 28 Oct 2019 15:48

Instrument :
MSVOA_X
ClientSampleId :
VX1028WBSD01

Tot Ion	Ratio	Lower	Upper
91	100		
92	58.0	27.7	83.1
134	27.1	13.2	39.6

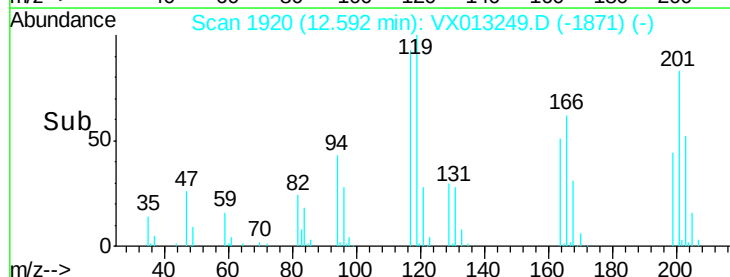
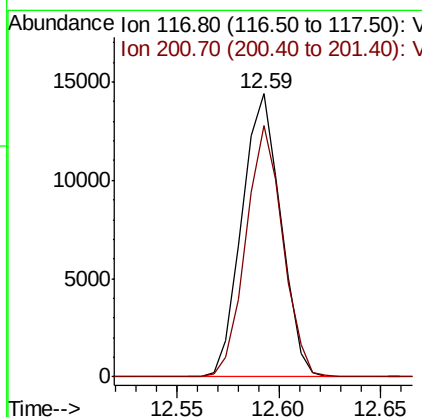
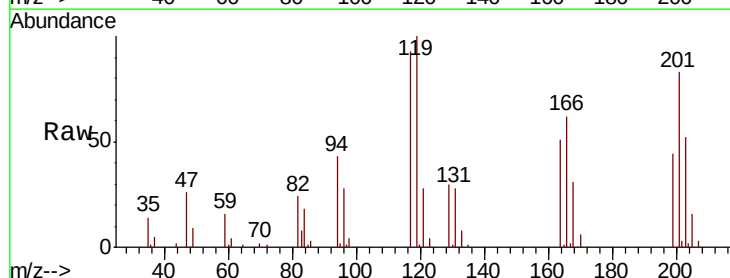
Manual Integrations
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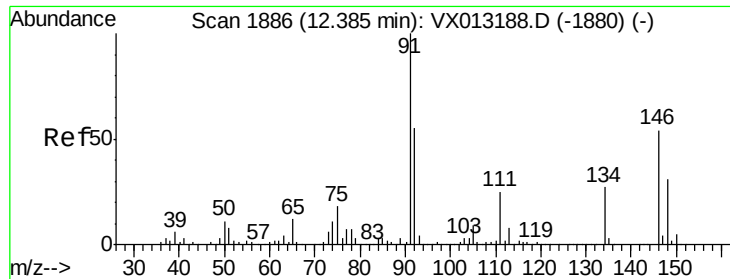
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#90
Hexachloroethane
Concen: 18.666 ug/l
RT: 12.59 min Scan# 1920
Delta R.T. -0.00 min
Lab File: VX013249.D
Acq: 28 Oct 2019 15:48

Tgt Ion	Ratio	Lower	Upper
117	100		
201	84.8	39.0	116.9





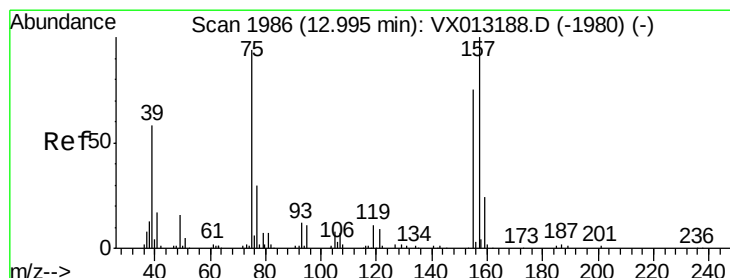
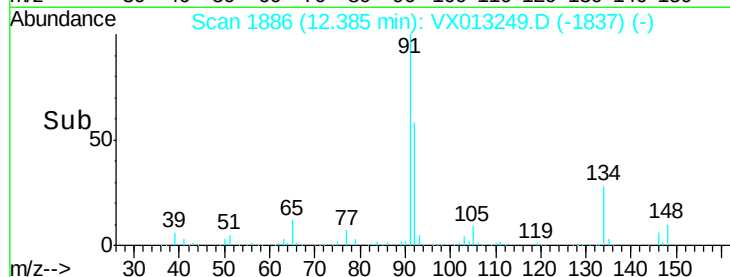
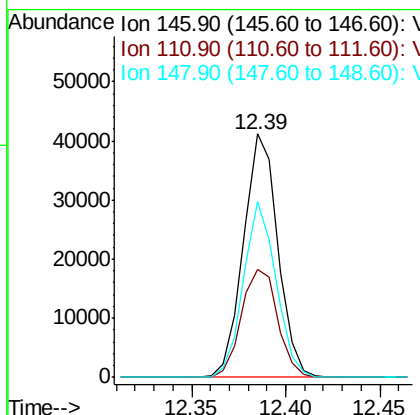
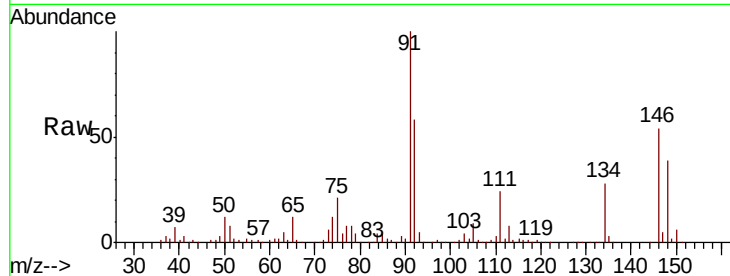
#91
 1,2-Dichlorobenzene
 Concen: 17.730 ug/l
 RT: 12.39 min Scan# 1886
 Delta R.T. -0.00 min
 Lab File: VX013249.D
 Acq: 28 Oct 2019 15:48

Instrument :
 MSVOA_X
 ClientSampleId :
 VX1028WBSD01

Tot Ion	Ratio	Lower	Upper
146	100		
111	46.8	22.9	68.8
148	68.5	31.8	95.3

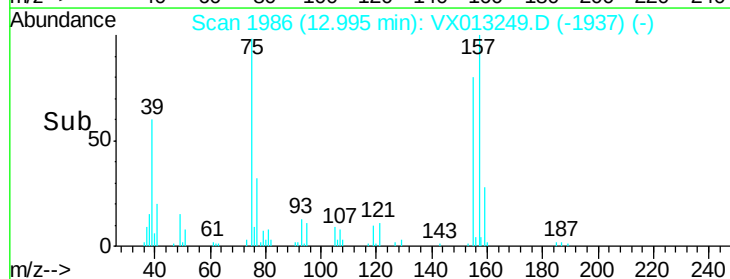
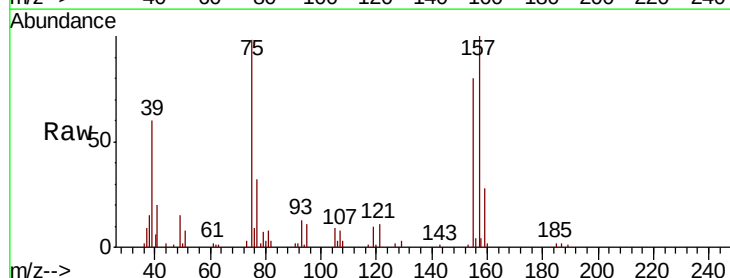
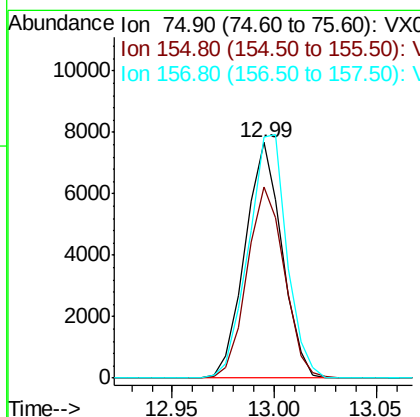
Manual Integrations
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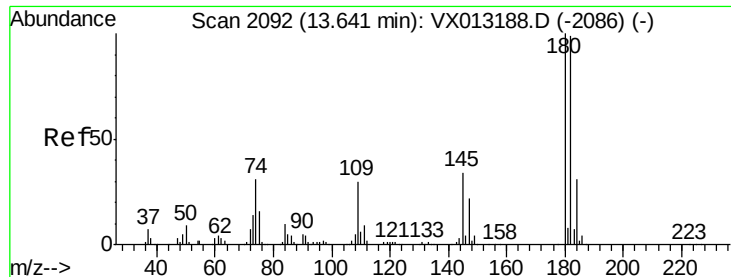
MMDadoda
 10/30/2019 12:07:51 PM



#92
 1,2-Dibromo-3-Chloropropane
 Concen: 18.458 ug/l
 RT: 12.99 min Scan# 1986
 Delta R.T. -0.00 min
 Lab File: VX013249.D
 Acq: 28 Oct 2019 15:48

Tgt Ion	Ratio	Lower	Upper
75	100		
155	82.0	42.8	128.4
157	108.0	54.3	162.8





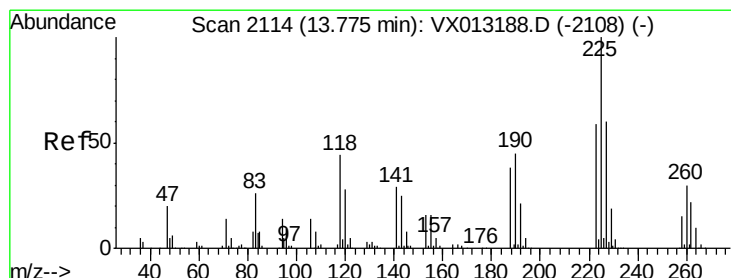
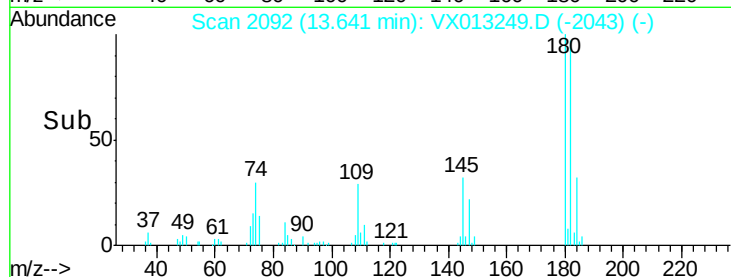
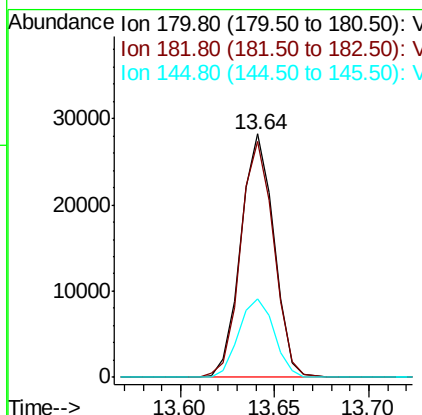
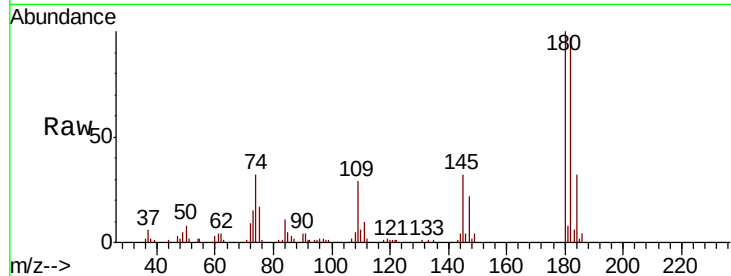
#93
 1,2,4-Trichlorobenzene
 Concen: 18.562 ug/l
 RT: 13.64 min Scan# 2092
 Delta R.T. -0.00 min
 Lab File: VX013249.D
 Acq: 28 Oct 2019 15:48

Instrument :
 MSVOA_X
 ClientSampleId :
 VX1028WBSD01

Tot Ion	Ratio	Lower	Upper
180	100		
182	97.3	45.9	137.6
145	34.6	15.9	47.6

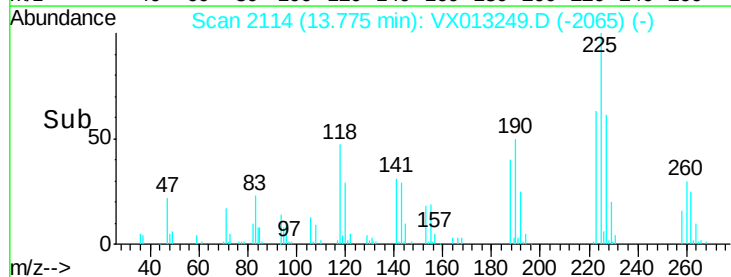
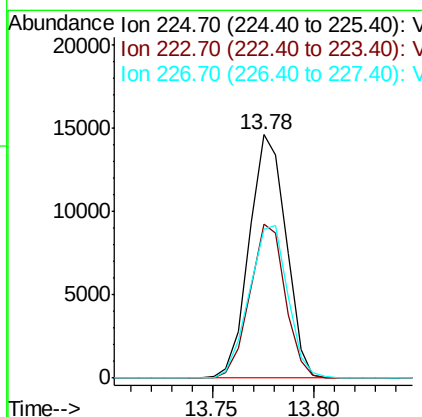
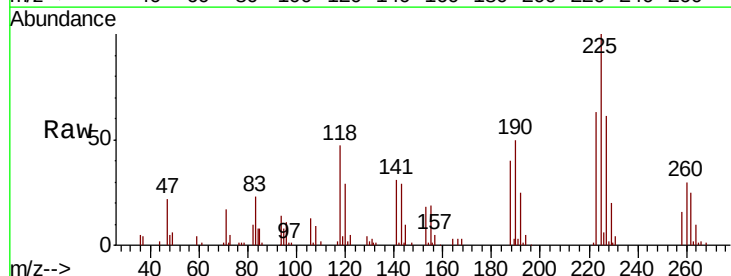
Manual Integrations
 APPROVED

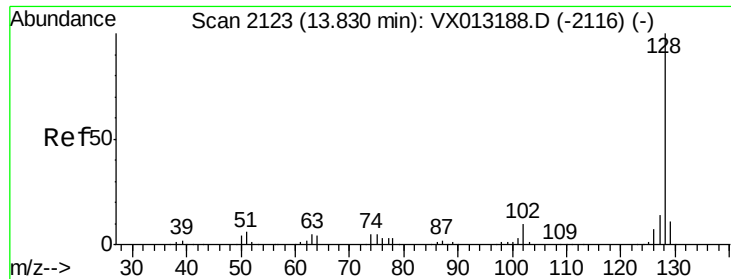
MMDadoda
 10/30/2019 12:07:51 PM



#94
 Hexachlorobutadiene
 Concen: 19.143 ug/l
 RT: 13.78 min Scan# 2114
 Delta R.T. -0.00 min
 Lab File: VX013249.D
 Acq: 28 Oct 2019 15:48

Tgt Ion	Ratio	Lower	Upper
225	100		
223	60.9	30.9	92.5
227	65.5	30.3	90.9





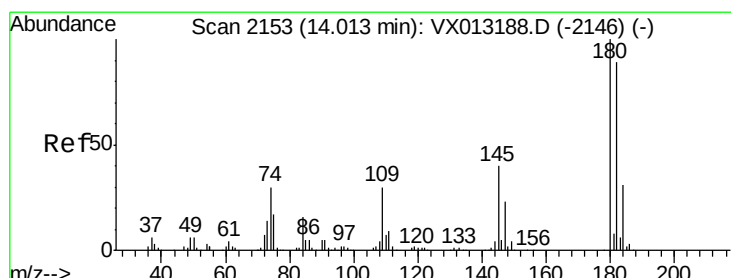
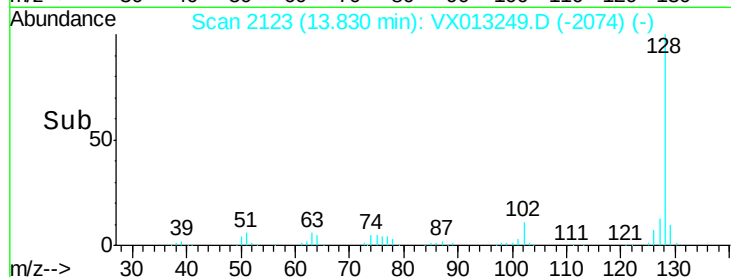
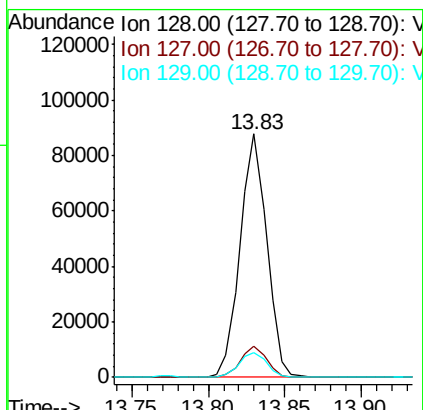
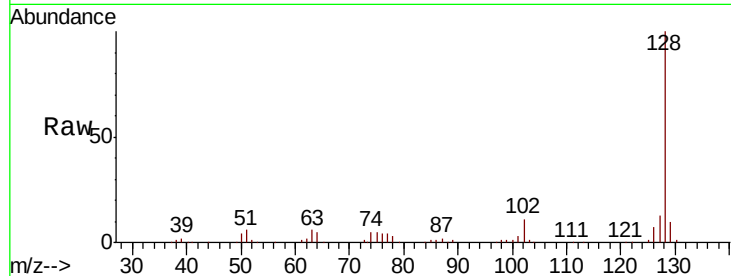
#95
Naphthalene
Concen: 18.658 ug/l
RT: 13.83 min Scan# 2123
Delta R.T. -0.00 min
Lab File: VX013249.D
Acq: 28 Oct 2019 15:48

Instrument :
MSVOA_X
ClientSampleId :
VX1028WBSD01

Tot Ion	Ratio	Lower	Upper
128	100		
127	12.6	10.7	16.1
129	10.6	8.6	13.0

Manual Integrations
APPROVED

MMDadoda
10/30/2019 12:07:51 PM



#96
1,2,3-Trichlorobenzene
Concen: 19.507 ug/l
RT: 14.01 min Scan# 2153
Delta R.T. -0.00 min
Lab File: VX013249.D
Acq: 28 Oct 2019 15:48

Tgt Ion	Ratio	Lower	Upper
180	100		
182	94.4	48.3	144.9
145	34.0	18.6	55.6

