

Data Path : Z:\VOASRV\HPCHEM1\MSVOA X\DATA\VX102318\
 Data File : VX005523.D
 Acq On : 23 Oct 2018 16:14
 Operator : JC/MD
 Sample : VX1023WBSD01
 Misc : 5.0mL/MSVOA X/WATER
 ALS Vial : 10 Sample Multiplier: 1

Instrument :
 MSVOA_X
 ClientSampleId :
 VX1023WBSD01

Manual Integrations
 APPROVED

MMDadoda
 10/24/2018 10:02:49 AM

Quant Time: Oct 24 02:25:57 2018
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_X\METHOD\82X101218W.M
 Quant Title : SW846 8260
 QLast Update : Fri Oct 12 11:28:43 2018
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	5.67	168	213294	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	6.87	114	323198	50.00	ug/l	0.00
63) Chlorobenzene-d5	10.12	117	266024	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	12.08	152	147240	50.00	ug/l	0.00

System Monitoring Compounds

33) 1,2-Dichloroethane-d4	6.07	65	125015	52.81	ug/l	0.00
Spiked Amount	50.000		Recovery	=	105.62%	
35) Dibromofluoromethane	5.51	113	105588	49.33	ug/l	0.00
Spiked Amount	50.000		Recovery	=	98.66%	
50) Toluene-d8	8.71	98	352277	47.94	ug/l	0.00
Spiked Amount	50.000		Recovery	=	95.88%	
62) 4-Bromofluorobenzene	11.14	95	131347	47.58	ug/l	0.00
Spiked Amount	50.000		Recovery	=	95.16%	

Target Compounds

						Qvalue
2) Dichlorodifluoromethane	1.20	85	35625	21.362	ug/l	100
3) Chloromethane	1.32	50	50167	20.760	ug/l	89
4) Vinyl Chloride	1.41	62	50104	20.468	ug/l	97
5) Bromomethane	1.64	94	29671	21.795	ug/l	94
6) Chloroethane	1.72	64	32717	21.582	ug/l	97
7) Trichlorofluoromethane	1.93	101	70672	21.634	ug/l	96
8) Diethyl Ether	2.19	74	31088	22.286	ug/l	94
9) 1,1,2-Trichlorotrifluoroet	2.39	101	40633	21.551	ug/l	96
10) Methyl Iodide	2.51	142	42251	21.909	ug/l	98
11) Tert butyl alcohol	3.07	59	75072	112.423	ug/l	100
12) 1,1-Dichloroethene	2.37	96	39573	21.184	ug/l	94
13) Acrolein	2.29	56	30406	69.798	ug/l	90
14) Allyl chloride	2.73	41	88819	21.656	ug/l	93
15) Acrylonitrile	3.15	53	167734	110.848	ug/l	99
16) Acetone	2.45	43	147369	107.670	ug/l	97
17) Carbon Disulfide	2.57	76	95137	16.811	ug/l	98
18) Methyl Acetate	2.78	43	97468	25.031	ug/l	94
19) Methyl tert-butyl Ether	3.21	73	148148	22.517	ug/l	96
20) Methylene Chloride	2.85	84	45952	22.317	ug/l #	89
21) trans-1,2-Dichloroethene	3.17	96	39445	19.053	ug/l	98
22) Diisopropyl ether	3.87	45	160998	23.371	ug/l #	85
23) Vinyl Acetate	3.82	43	656648	109.057	ug/l	95
24) 1,1-Dichloroethane	3.69	63	83869	21.243	ug/l	98
25) 2-Butanone	4.70	43	233397	116.548	ug/l	93
26) 2,2-Dichloropropane	4.59	77	62322	21.106	ug/l	98
27) cis-1,2-Dichloroethene	4.60	96	46754	20.780	ug/l	88
28) Bromochloromethane	5.02	49	42882	23.826	ug/l	87
29) Tetrahydrofuran	5.16	42	141025	110.401	ug/l	94
30) Chloroform	5.21	83	82864	22.612	ug/l	94
31) Cyclohexane	5.58	56	65920	20.258	ug/l #	85
32) 1,1,1-Trichloroethane	5.49	97	70528	22.119	ug/l	99
36) 1,1-Dichloropropene	5.79	75	56469	18.040	ug/l	98
37) Ethyl Acetate	4.85	43	83043	20.629	ug/l	96
38) Carbon Tetrachloride	5.79	117	60263	19.161	ug/l	90

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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	7.46	83	58113	17.154	ug/l	91
40) Benzene	6.14	78	180404	19.213	ug/l	97
41) Methacrylonitrile	5.06	41	45394	21.034	ug/l	95
42) 1,2-Dichloroethane	6.20	62	71387	21.531	ug/l	95
43) Isopropyl Acetate	6.46	43	116026	21.637	ug/l	97
44) Trichloroethene	7.21	130	41677	16.972	ug/l	86
45) 1,2-Dichloropropane	7.52	63	44614	19.370	ug/l	98
46) Dibromomethane	7.66	93	27693	18.217	ug/l	97
47) Bromodichloromethane	7.90	83	55364	19.689	ug/l	98
48) Methyl methacrylate	7.78	41	53975	19.407	ug/l	94
49) 1,4-Dioxane	7.76	88	23001	358.569	ug/l	92
51) 4-Methyl-2-Pentanone	8.65	43	392506	105.713	ug/l	92
52) Toluene	8.79	92	98839	19.240	ug/l	95
53) t-1,3-Dichloropropene	9.04	75	58719	19.296	ug/l	98
54) cis-1,3-Dichloropropene	8.44	75	63982	19.404	ug/l	97
55) 1,1,2-Trichloroethane	9.21	97	43176	19.843	ug/l	98
56) Ethyl methacrylate	9.18	69	63445	20.002	ug/l	93
57) 1,3-Dichloropropane	9.37	76	71677	19.737	ug/l	100
58) 2-Chloroethyl Vinyl ether	8.32	63	181278	101.905	ug/l	93
59) 2-Hexanone	9.49	43	304368	101.908	ug/l	91
60) Dibromochloromethane	9.59	129	43965	19.548	ug/l	100
61) 1,2-Dibromoethane	9.67	107	43836	19.197	ug/l	100
64) Tetrachloroethene	9.34	164	43627	20.371	ug/l	97
65) Chlorobenzene	10.14	112	111548	19.713	ug/l	97
66) 1,1,1,2-Tetrachloroethane	10.22	131	42074	20.865	ug/l	99
67) Ethyl Benzene	10.25	91	185590	20.175	ug/l	96
68) m/p-Xylenes	10.36	106	142598	39.938	ug/l	91
69) o-Xylene	10.70	106	69394	20.152	ug/l	95
70) Styrene	10.71	104	115314	20.359	ug/l	95
71) Bromoform	10.86	173	35282	19.579	ug/l	98
73) Isopropylbenzene	11.02	105	193548	22.112	ug/l	99
74) N-amyl acetate	10.90	43	93675	22.189	ug/l	93
75) 1,1,2,2-Tetrachloroethane	11.27	83	69864	21.159	ug/l	99
76) 1,2,3-Trichloropropane	11.30	75	66774m	23.380	ug/l	
77) Bromobenzene	11.26	156	51095	20.416	ug/l	95
78) n-propylbenzene	11.36	91	219840	21.826	ug/l	99
79) 2-Chlorotoluene	11.42	91	132567	21.490	ug/l	98
80) 1,3,5-Trimethylbenzene	11.51	105	162009	21.614	ug/l	97
81) trans-1,4-Dichloro-2-buten	11.07	75	19371	20.608	ug/l	96
82) 4-Chlorotoluene	11.51	91	156474	21.398	ug/l	98
83) tert-Butylbenzene	11.77	119	160712	21.173	ug/l	96
84) 1,2,4-Trimethylbenzene	11.81	105	168588	21.856	ug/l	97
85) sec-Butylbenzene	11.94	105	196831	21.912	ug/l	98
86) p-Isopropyltoluene	12.07	119	174024	21.434	ug/l	98
87) 1,3-Dichlorobenzene	12.02	146	94645	20.238	ug/l	99
88) 1,4-Dichlorobenzene	12.10	146	97035	20.282	ug/l	99
89) n-Butylbenzene	12.39	91	148796	20.185	ug/l	97
90) Hexachloroethane	12.60	117	28082	20.070	ug/l	99
91) 1,2-Dichlorobenzene	12.39	146	95891	20.093	ug/l	99
92) 1,2-Dibromo-3-Chloropropan	13.00	75	16750	20.797	ug/l	99

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ALS Vial : 10 Sample Multiplier: 1

Instrument :
MSVOA_X
ClientSampleId :
VX1023WBSD01

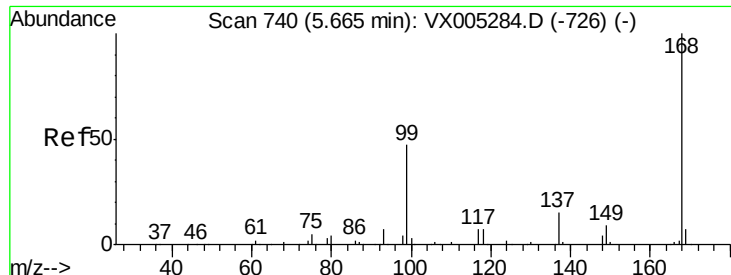
Manual Integrations
APPROVED

MMDadoda
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Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
93) 1,2,4-Trichlorobenzene	13.65	180	70621	20.170	ug/l	98
94) Hexachlorobutadiene	13.79	225	35646	19.276	ug/l	97
95) Naphthalene	13.83	128	220649	21.730	ug/l	99
96) 1,2,3-Trichlorobenzene	14.02	180	74136	20.694	ug/l	99

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



#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 5.67 min Scan# 741

Delta R.T. 0.01 min

Lab File: VX005523.D

Acq: 23 Oct 2018 16:14

Instrument :

MSVOA_X

ClientSampleId :

VX1023WBSD01

Tot Ion:168 Resp: 213294

Ion Ratio Lower Upper

168 100

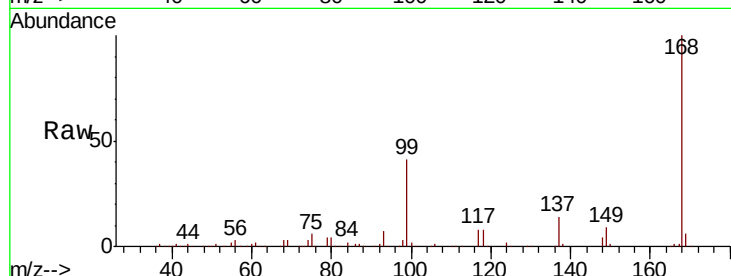
99 41.0 39.9 59.9

Manual Integrations

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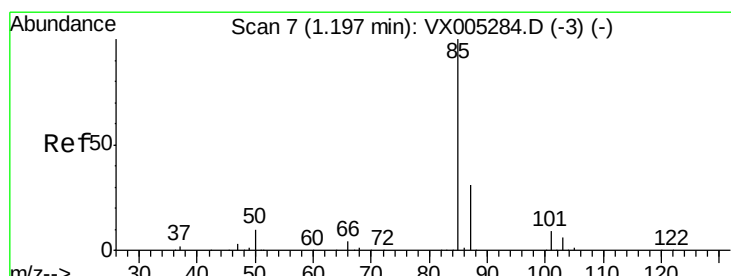
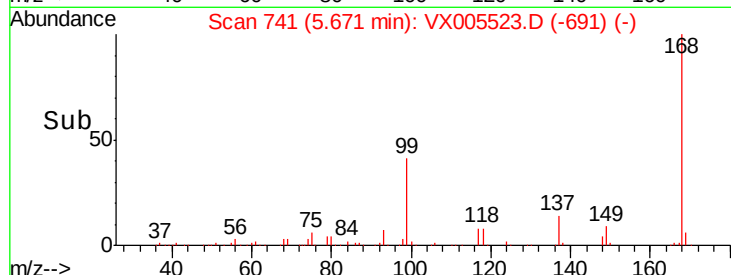
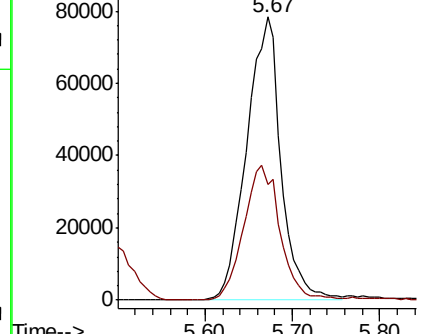
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Abundance Ion 167.90 (167.60 to 168.60): V

Ion 98.90 (98.60 to 99.60): VX0



#2

Dichlorodifluoromethane

Concen: 21.362 ug/l

RT: 1.20 min Scan# 7

Delta R.T. -0.00 min

Lab File: VX005523.D

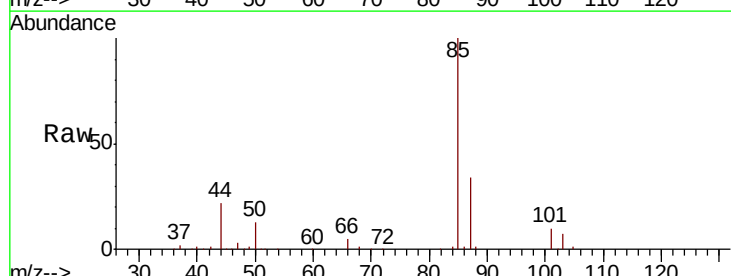
Acq: 23 Oct 2018 16:14

Tgt Ion: 85 Resp: 35625

Ion Ratio Lower Upper

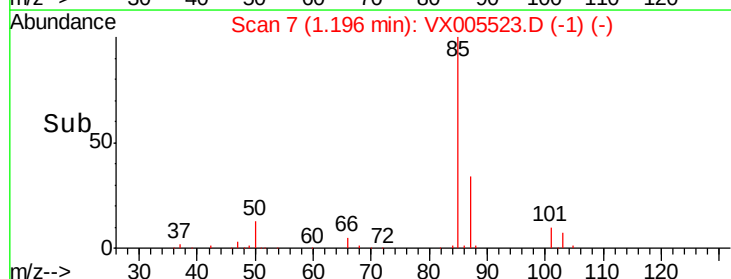
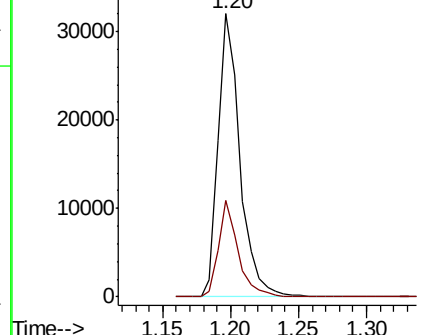
85 100

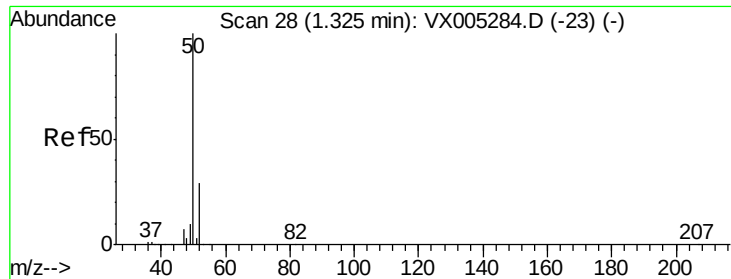
87 34.1 17.0 50.9



Abundance Ion 84.90 (84.60 to 85.60): VX0

Ion 86.90 (86.60 to 87.60): VX0





#3

Chloromethane

Concen: 20.760 ug/l

RT: 1.32 min Scan# 28

Delta R.T. -0.00 min

Lab File: VX005523.D

Acq: 23 Oct 2018 16:14

Instrument :

MSVOA_X

ClientSampleId :

VX1023WBSD01

Tot Ion: 50 Resp: 50167

Ion Ratio Lower Upper

50 100

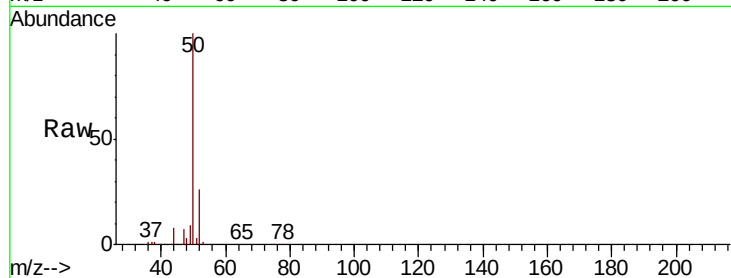
52 26.3 26.2 39.2

Manual Integrations

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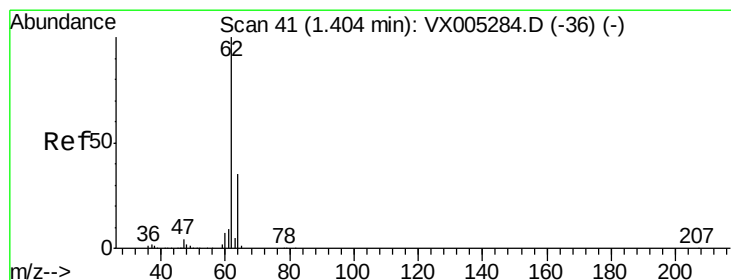
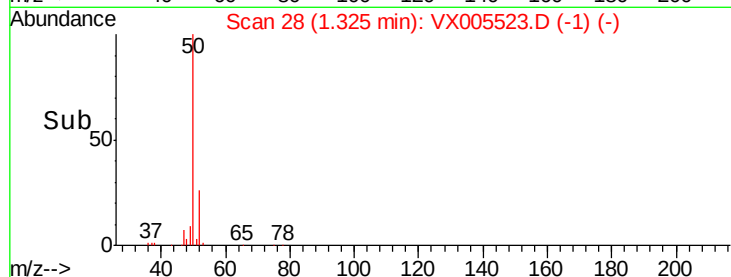
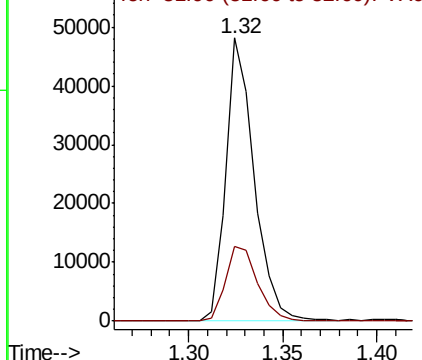
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Abundance Ion 49.90 (49.60 to 50.60): VX0

Ion 51.90 (51.60 to 52.60): VX0



#4

Vinyl Chloride

Concen: 20.468 ug/l

RT: 1.41 min Scan# 42

Delta R.T. 0.01 min

Lab File: VX005523.D

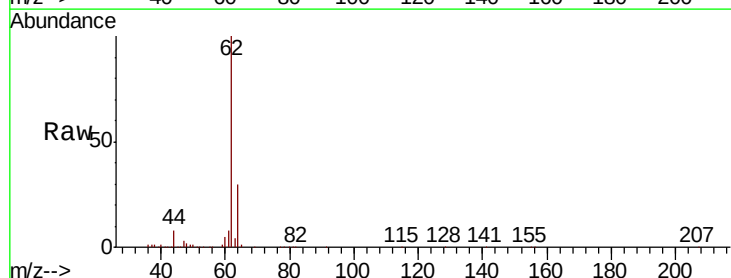
Acq: 23 Oct 2018 16:14

Tgt Ion: 62 Resp: 50104

Ion Ratio Lower Upper

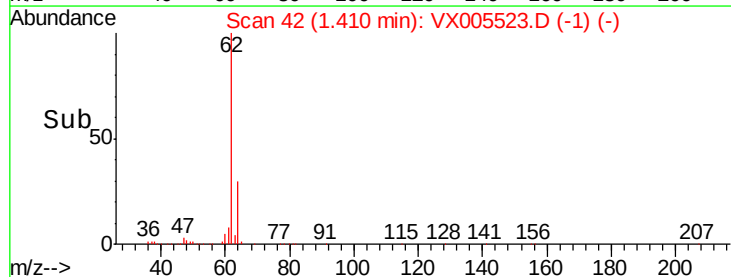
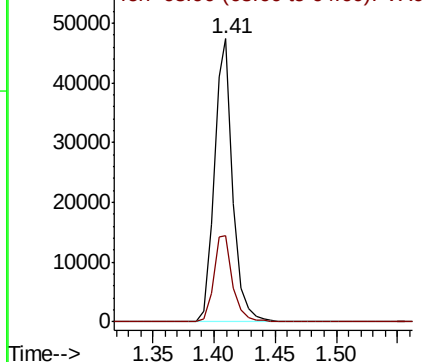
62 100

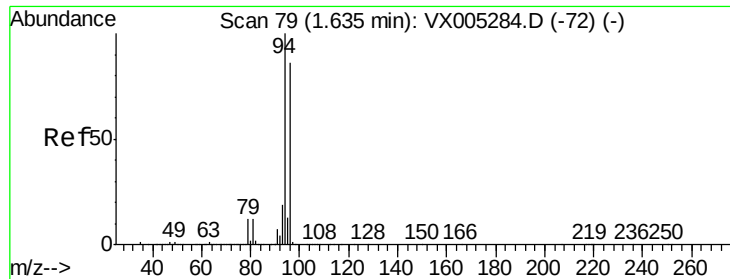
64 30.4 25.8 38.8



Abundance Ion 61.90 (61.60 to 62.60): VX0

Ion 63.90 (63.60 to 64.60): VX0





#5

Bromomethane

Concen: 21.795 ug/l

RT: 1.64 min Scan# 79

Delta R.T. 0.00 min

Lab File: VX005523.D

Acq: 23 Oct 2018 16:14

Tot Ion: 94 Resp: 29671

Ion Ratio Lower Upper

94 100

96 87.2 74.5 111.7

Instrument :

MSVOA_X

ClientSampleId :

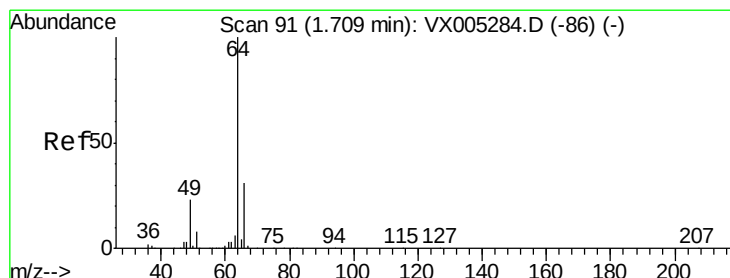
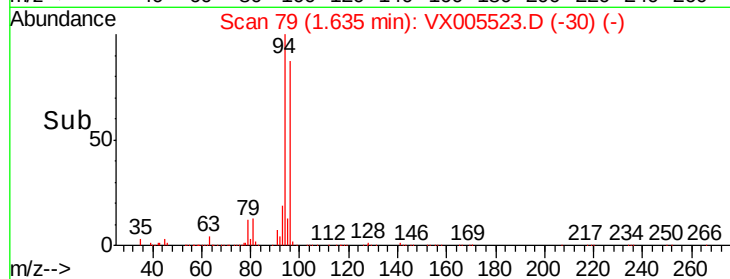
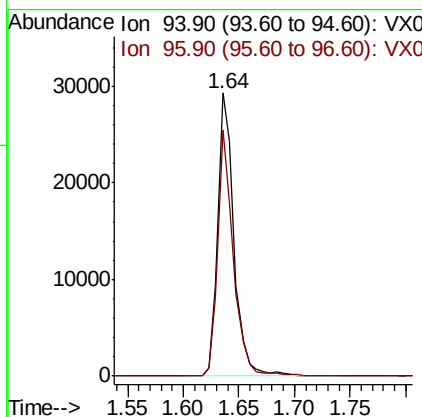
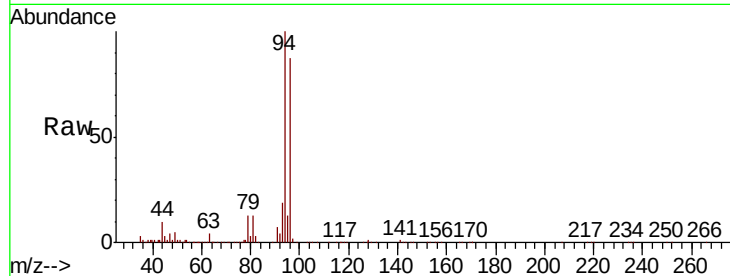
VX1023WBSD01

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#6

Chloroethane

Concen: 21.582 ug/l

RT: 1.72 min Scan# 93

Delta R.T. 0.01 min

Lab File: VX005523.D

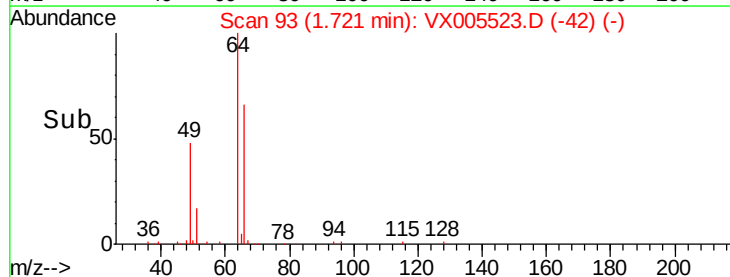
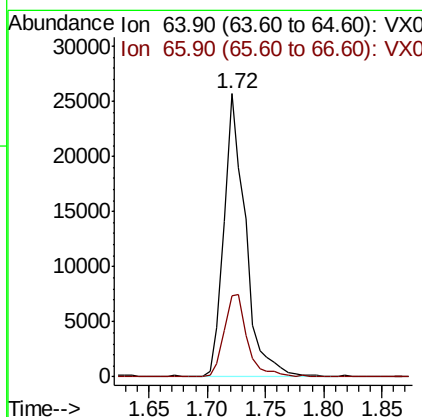
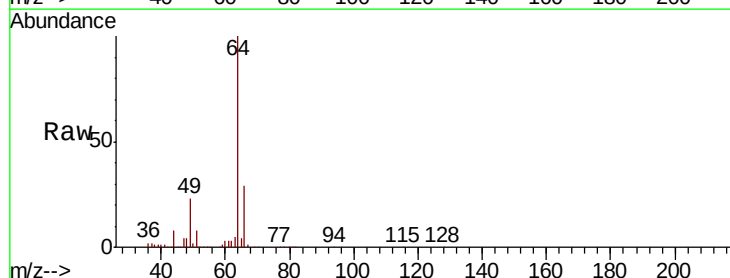
Acq: 23 Oct 2018 16:14

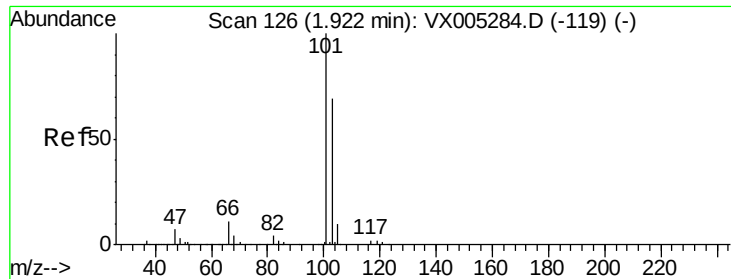
Tgt Ion: 64 Resp: 32717

Ion Ratio Lower Upper

64 100

66 28.8 24.6 36.8





#7

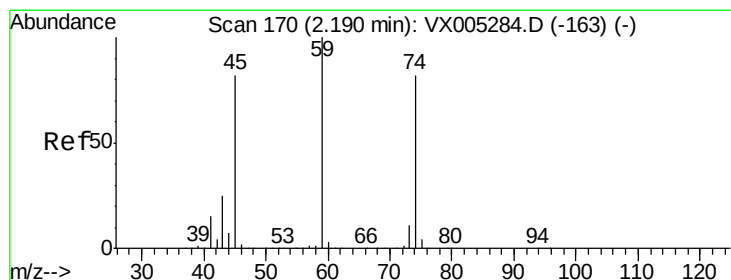
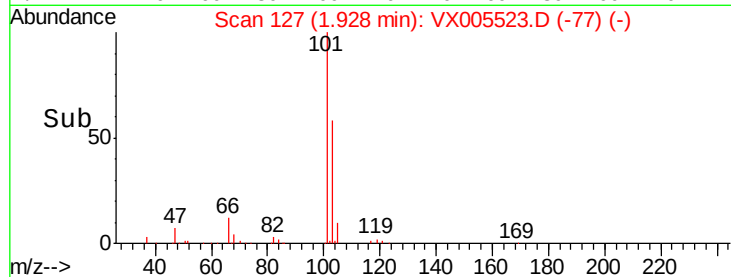
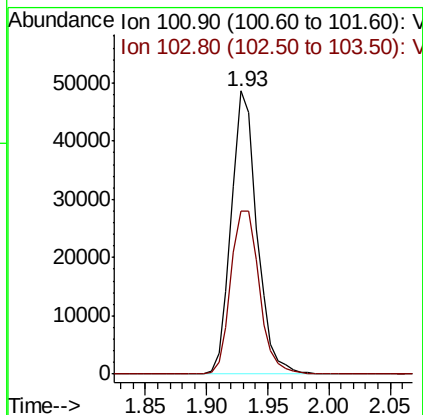
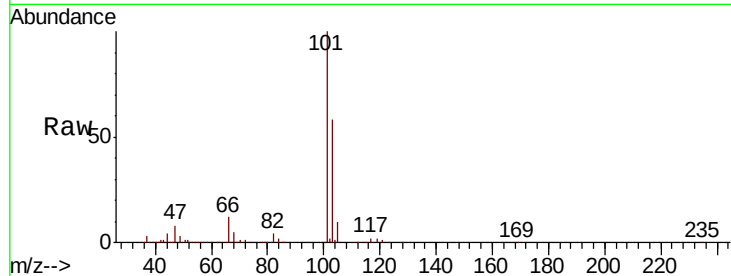
Trichlorofluoromethane
Concen: 21.634 ug/l
RT: 1.93 min Scan# 127
Delta R.T. 0.01 min
Lab File: VX005523.D
Acq: 23 Oct 2018 16:14

Instrument :
MSVOA_X
ClientSampleId :
VX1023WBSD01

Tot Ion:101 Resp: 70672
Ion Ratio Lower Upper
101 100
103 57.8 48.9 73.3

Manual Integrations
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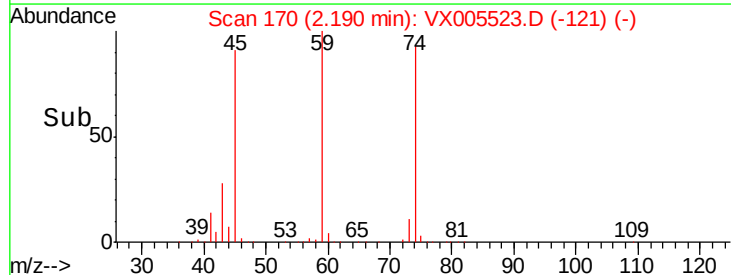
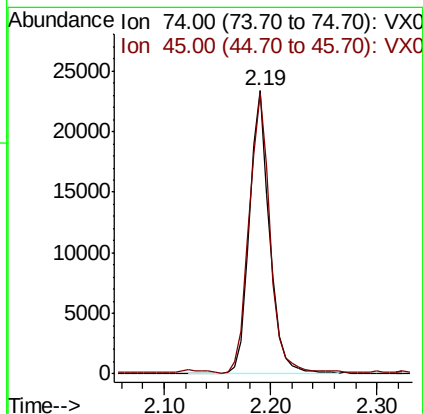
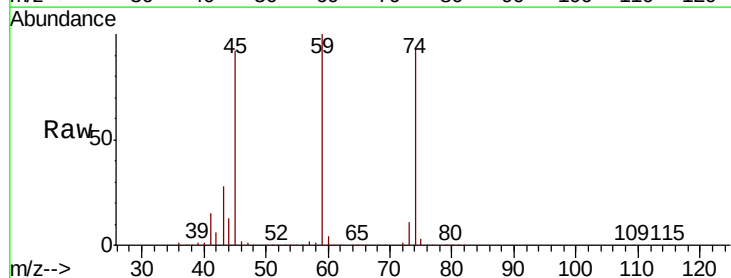
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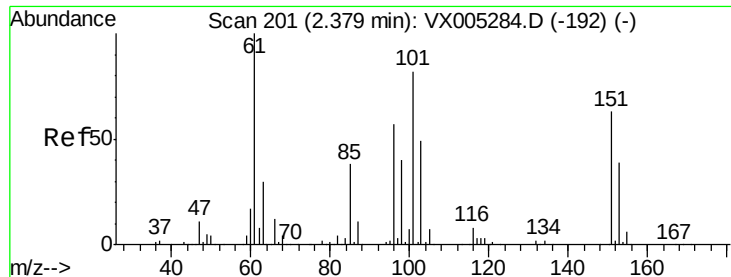


#8

Diethyl Ether
Concen: 22.286 ug/l
RT: 2.19 min Scan# 170
Delta R.T. -0.00 min
Lab File: VX005523.D
Acq: 23 Oct 2018 16:14

Tgt Ion: 74 Resp: 31088
Ion Ratio Lower Upper
74 100
45 102.7 48.3 144.8





#9

1,1,2-Trichlorotrifluoroethane

Concen: 21.551 ug/l

RT: 2.39 min Scan# 202

Delta R.T. 0.01 min

Lab File: VX005523.D

Acq: 23 Oct 2018 16:14

Instrument :

MSVOA_X

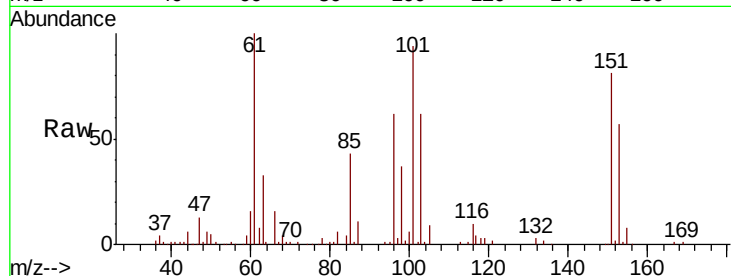
ClientSampleId :

VX1023WBSD01

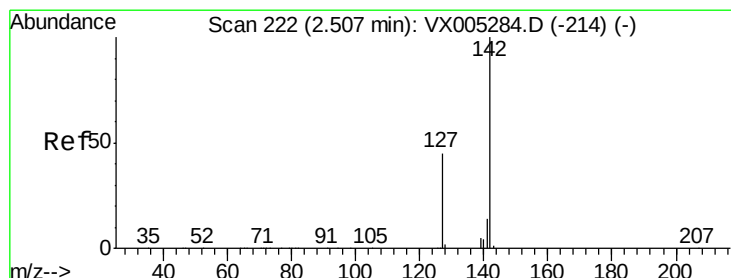
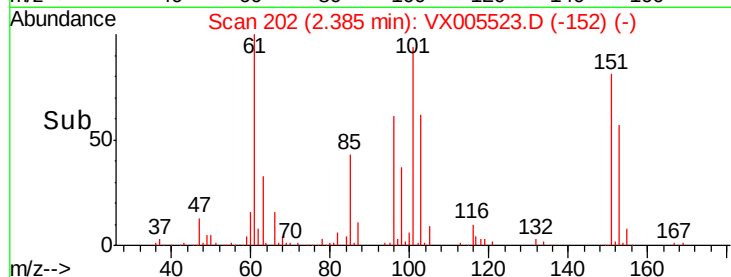
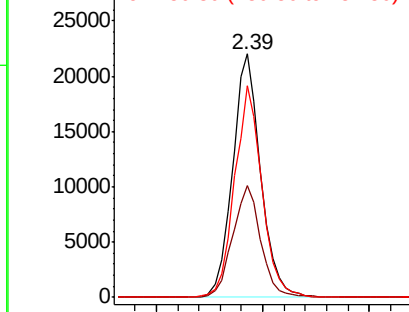
Tot Ion:	101	Resp:	40633
Ion Ratio	Lower	Upper	
101	100		
85	46.0	34.2	51.4
151	84.8	65.0	97.6

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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: 21.909 ug/l

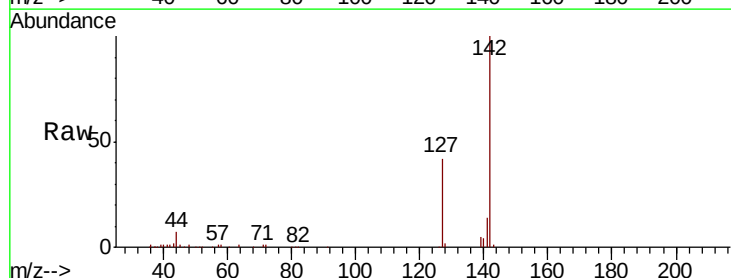
RT: 2.51 min Scan# 223

Delta R.T. 0.01 min

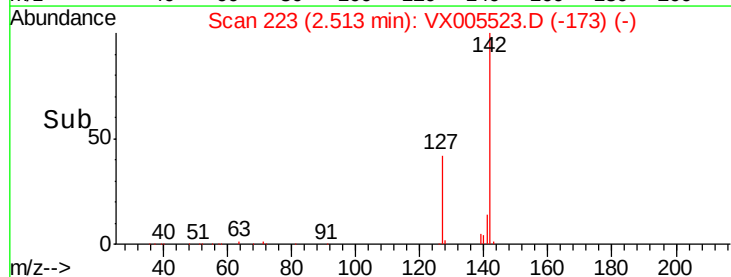
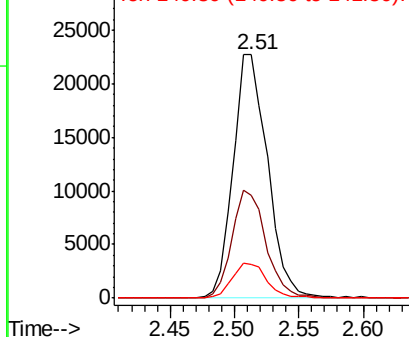
Lab File: VX005523.D

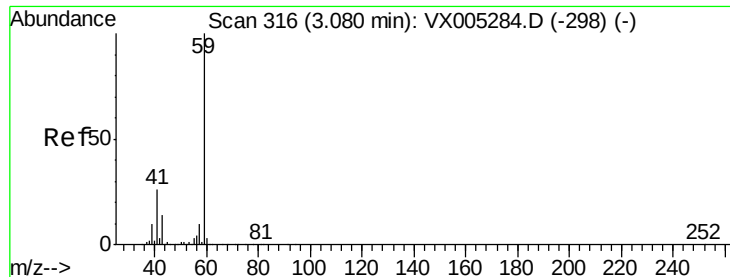
Acq: 23 Oct 2018 16:14

Tgt Ion:	142	Resp:	42251
Ion Ratio	Lower	Upper	
142	100		
127	43.7	33.8	50.6
141	14.6	11.4	17.0



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

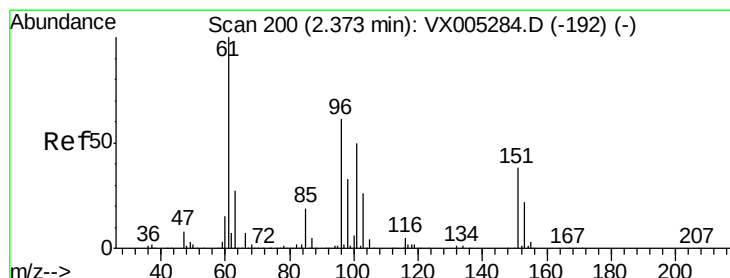
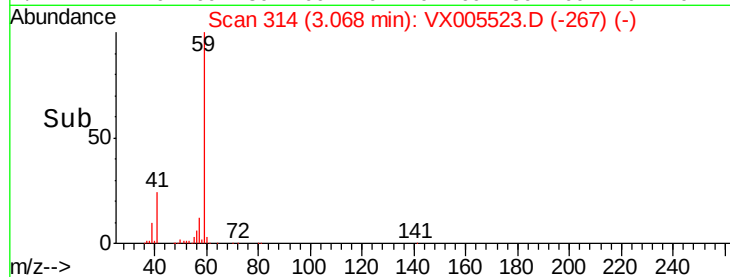
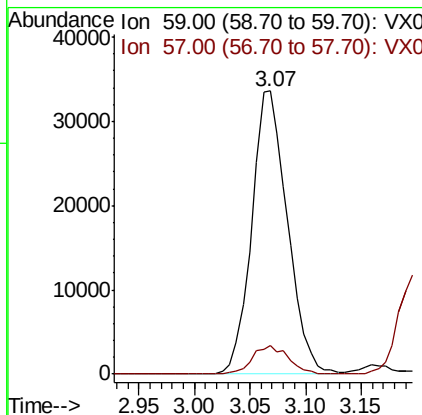
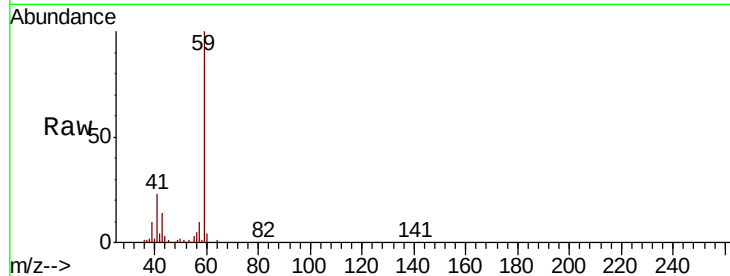
Tert butyl alcohol
 Concen: 112.423 ug/l
 RT: 3.07 min Scan# 314
 Delta R.T. -0.01 min
 Lab File: VX005523.D
 Acq: 23 Oct 2018 16:14

Instrument :
 MSVOA_X
 ClientSampleId :
 VX1023WBSD01

Tot Ion	59	Resp	75072
Ion Ratio	100	Lower	Upper
57	10.3	8.2	12.4

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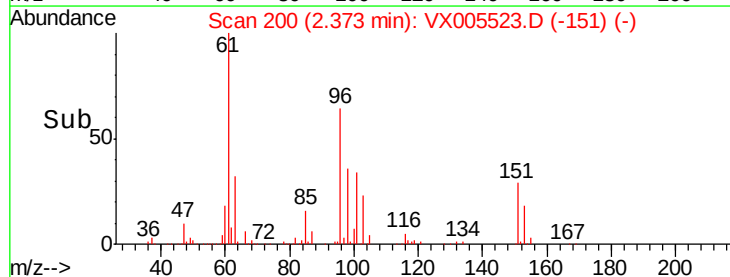
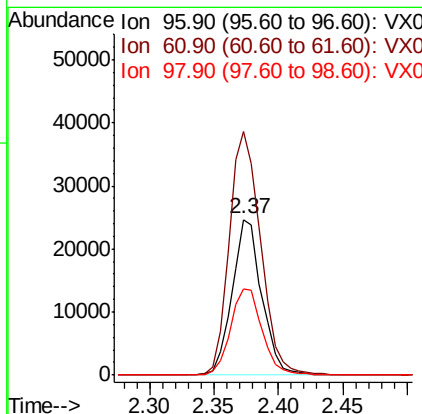
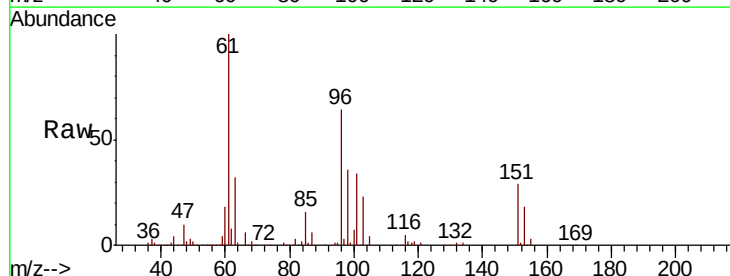
MMDadoda
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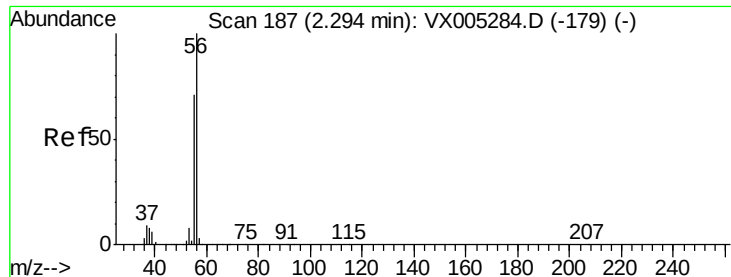


#12

1,1-Dichloroethene
 Concen: 21.184 ug/l
 RT: 2.37 min Scan# 200
 Delta R.T. -0.00 min
 Lab File: VX005523.D
 Acq: 23 Oct 2018 16:14

Tgt Ion	96	Resp	39573
Ion Ratio	100	Lower	Upper
61	156.6	128.8	193.2
98	55.8	52.2	78.2





#13

Acrolein

Concen: 69.798 ug/l

RT: 2.29 min Scan# 187

Delta R.T. 0.00 min

Lab File: VX005523.D

Acq: 23 Oct 2018 16:14

Instrument :

MSVOA_X

ClientSampleId :

VX1023WBSD01

Tot Ion: 56 Resp: 30406

Ion Ratio Lower Upper

56 100

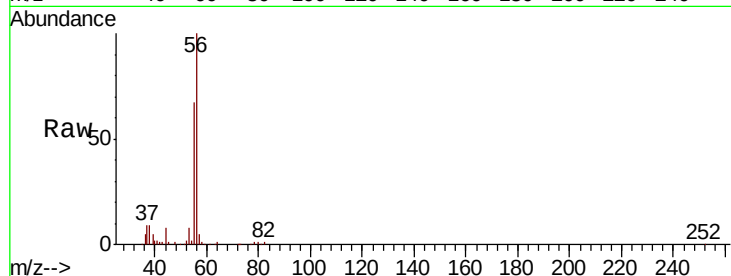
55 76.1 54.7 82.1

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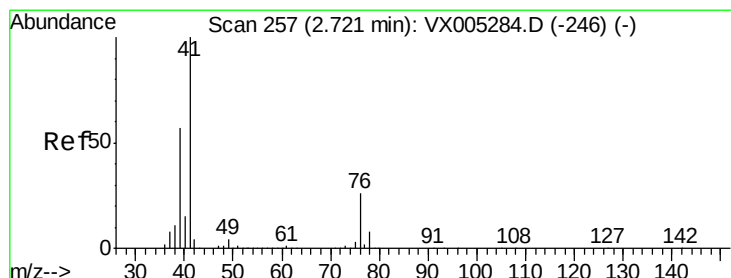
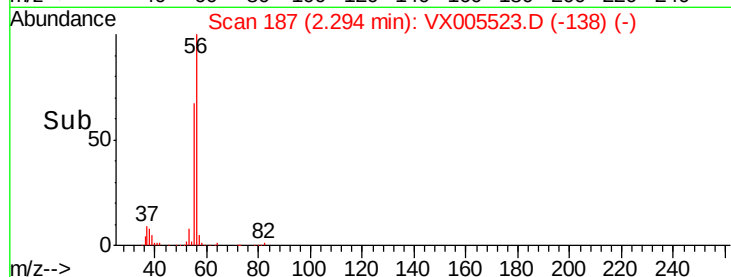
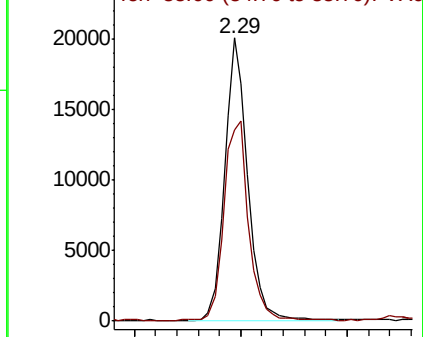
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Abundance Ion 56.00 (55.70 to 56.70): VX0

Ion 55.00 (54.70 to 55.70): VX0



#14

Allyl chloride

Concen: 21.656 ug/l

RT: 2.73 min Scan# 258

Delta R.T. 0.01 min

Lab File: VX005523.D

Acq: 23 Oct 2018 16:14

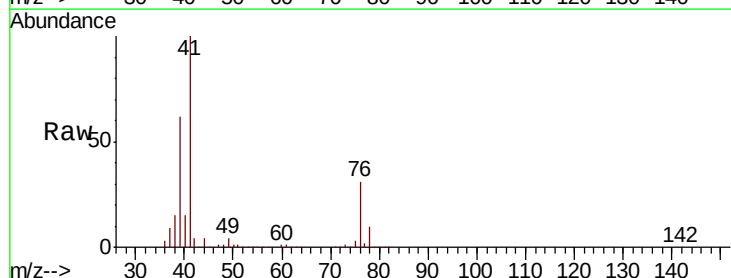
Tgt Ion: 41 Resp: 88819

Ion Ratio Lower Upper

41 100

39 57.5 48.9 73.3

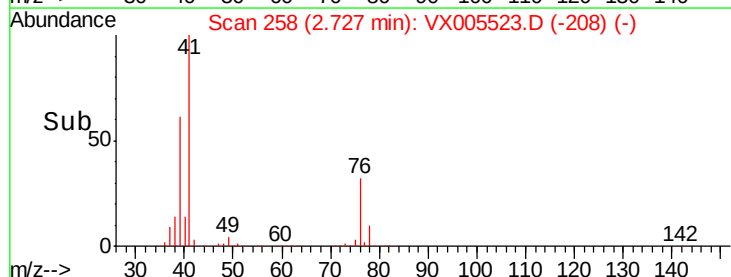
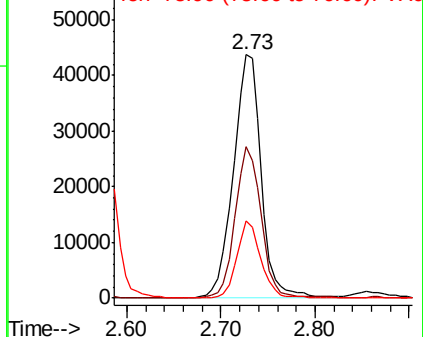
76 27.2 26.7 40.1

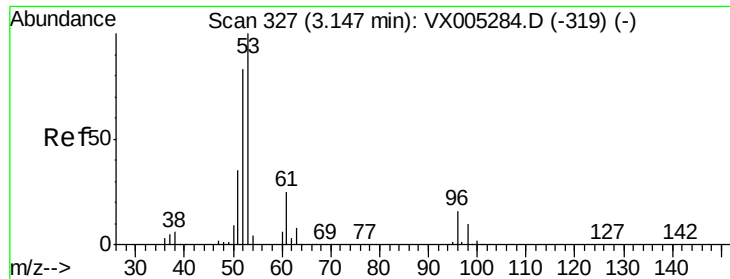


Abundance Ion 41.00 (40.70 to 41.70): VX0

Ion 39.00 (38.70 to 39.70): VX0

Ion 75.90 (75.60 to 76.60): VX0





#15

Acrylonitrile

Concen: 110.848 ug/l

RT: 3.15 min Scan# 327

Delta R.T. -0.00 min

Lab File: VX005523.D

Acq: 23 Oct 2018 16:14

Instrument :

MSVOA_X

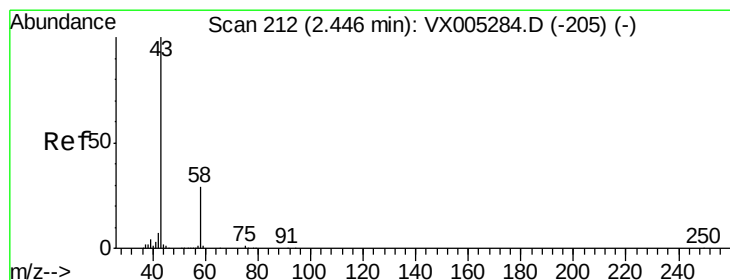
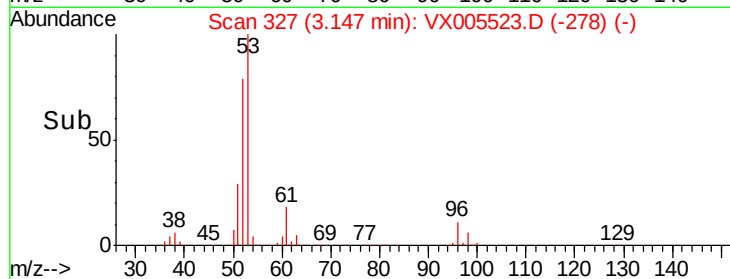
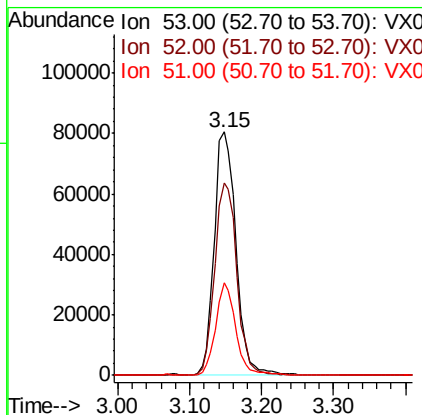
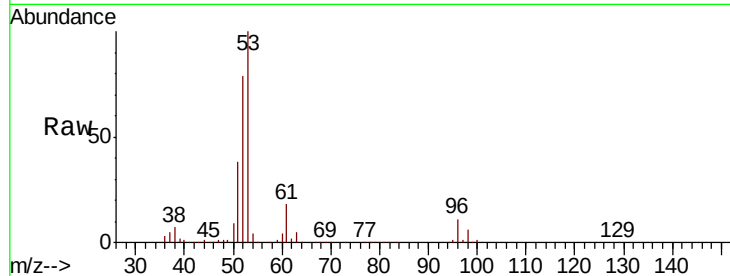
ClientSampleId :

VX1023WBSD01

Tot Ion:	53	Resp:	167734
Ion Ratio	Lower	Upper	
53	100		
52	80.7	65.2	97.8
51	35.2	28.2	42.2

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#16

Acetone

Concen: 107.670 ug/l

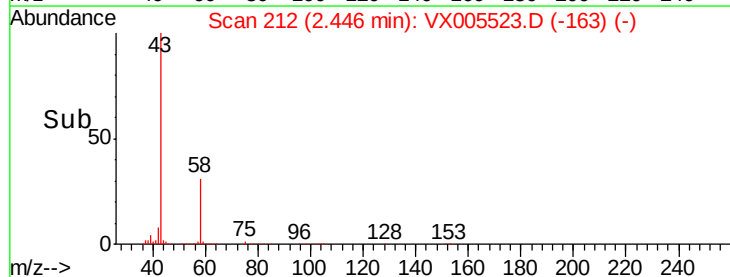
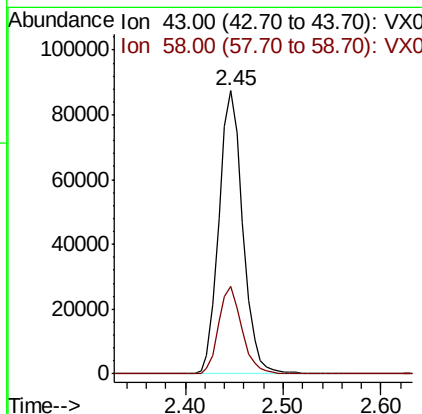
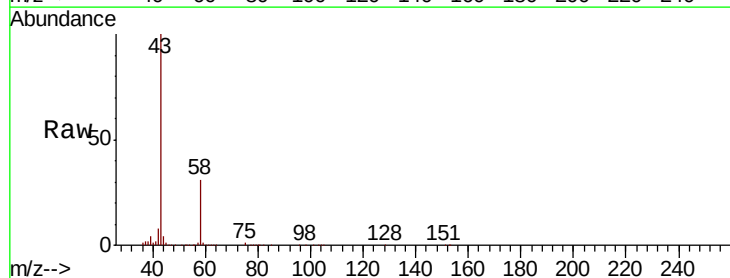
RT: 2.45 min Scan# 212

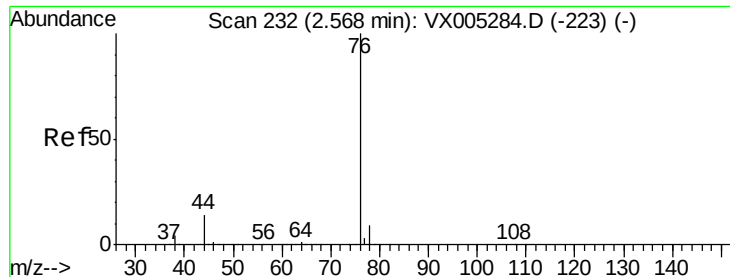
Delta R.T. -0.00 min

Lab File: VX005523.D

Acq: 23 Oct 2018 16:14

Tgt Ion:	43	Resp:	147369
Ion Ratio	Lower	Upper	
43	100		
58	30.9	26.2	39.4





#17

Carbon Disulfide

Concen: 16.811 ug/l

RT: 2.57 min Scan# 232

Delta R.T. -0.00 min

Lab File: VX005523.D

Acq: 23 Oct 2018 16:14

Instrument :

MSVOA_X

ClientSampleId :

VX1023WBSD01

Tot Ion: 76 Resp: 95137

Ion Ratio Lower Upper

76 100

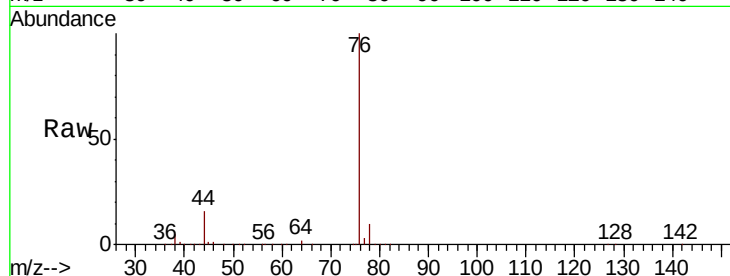
78 9.5 7.0 10.6

Manual Integrations

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Abundance Ion 75.90 (75.60 to 76.60): VX0

Ion 77.90 (77.60 to 78.60): VX0

2.57

60000

50000

40000

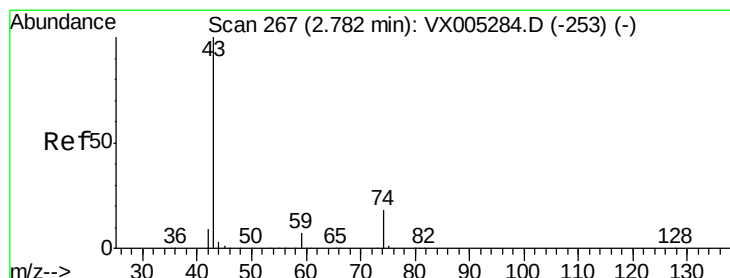
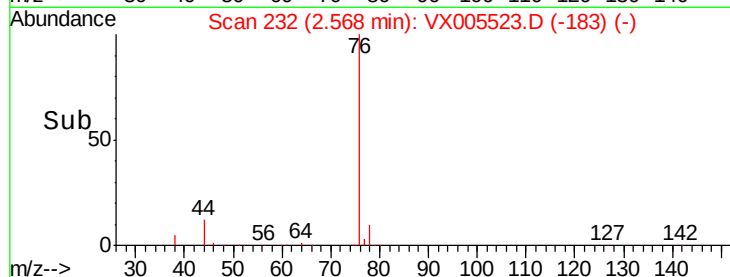
30000

20000

10000

0

Time-->



#18

Methyl Acetate

Concen: 25.031 ug/l

RT: 2.78 min Scan# 267

Delta R.T. -0.00 min

Lab File: VX005523.D

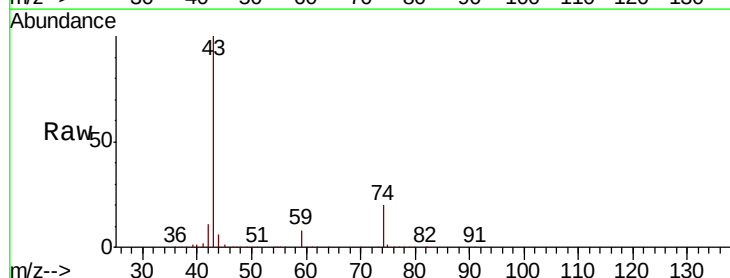
Acq: 23 Oct 2018 16:14

Tgt Ion: 43 Resp: 97468

Ion Ratio Lower Upper

43 100

74 21.3 19.4 29.2



Abundance Ion 43.00 (42.70 to 43.70): VX0

Ion 74.00 (73.70 to 74.70): VX0

2.78

60000

50000

40000

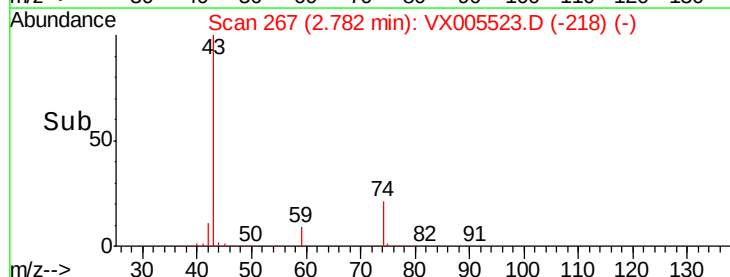
30000

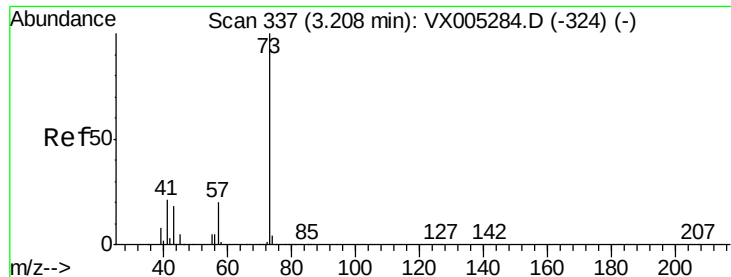
20000

10000

0

Time-->





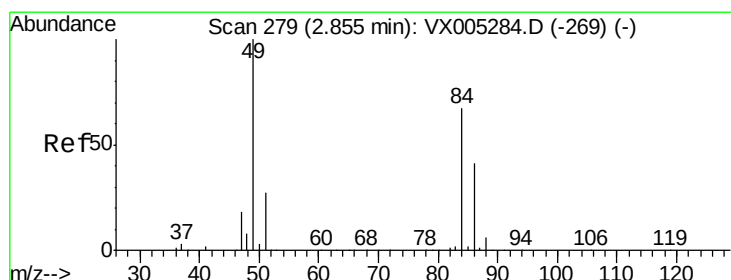
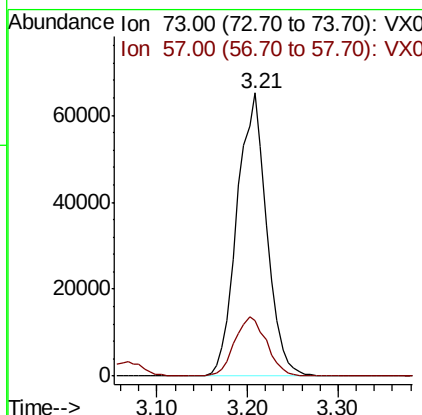
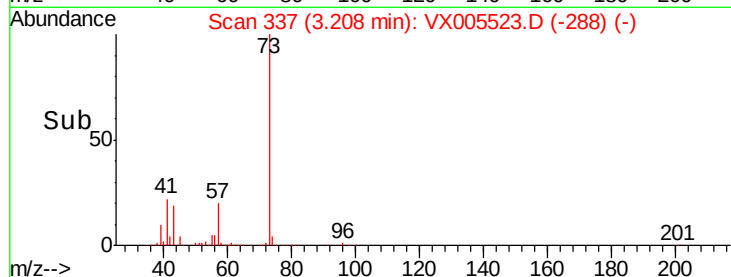
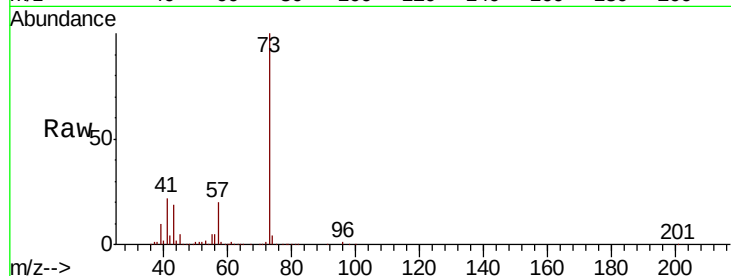
#19
Methyl tert-butyl Ether
Concen: 22.517 ug/l
RT: 3.21 min Scan# 337
Delta R.T. -0.00 min
Lab File: VX005523.D
Acq: 23 Oct 2018 16:14

Instrument :
MSVOA_X
ClientSampleId :
VX1023WBSD01

Tot Ion: 73 Resp: 148148
Ion Ratio Lower Upper
73 100
57 19.5 17.1 25.7

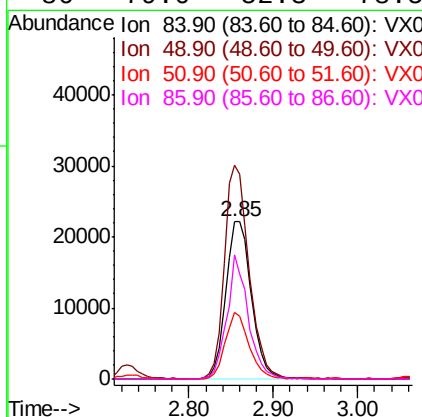
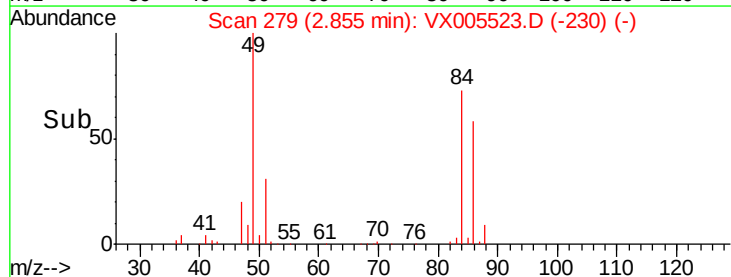
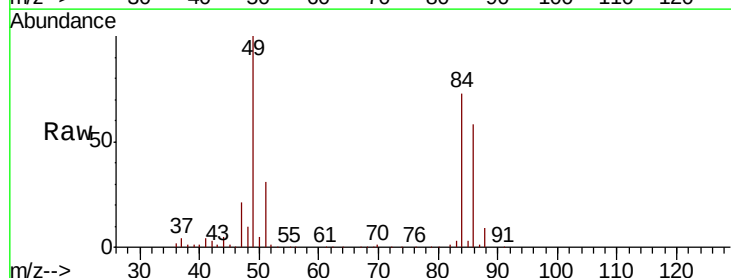
Manual Integrations
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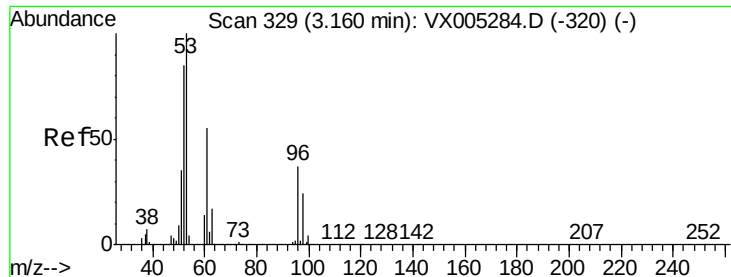
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#20
Methylene Chloride
Concen: 22.317 ug/l
RT: 2.85 min Scan# 279
Delta R.T. 0.00 min
Lab File: VX005523.D
Acq: 23 Oct 2018 16:14

Tgt Ion: 84 Resp: 45952
Ion Ratio Lower Upper
84 100
49 136.1 101.2 151.8
51 42.8 29.5 44.3
86 79.0 52.3 78.5#





#21

trans-1,2-Dichloroethene

Concen: 19.053 ug/l

RT: 3.17 min Scan# 330

Delta R.T. 0.01 min

Lab File: VX005523.D

Acq: 23 Oct 2018 16:14

Instrument :

MSVOA_X

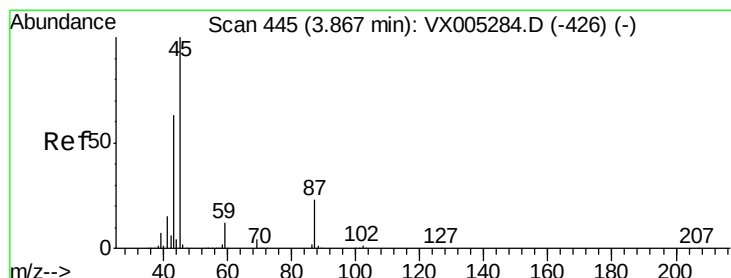
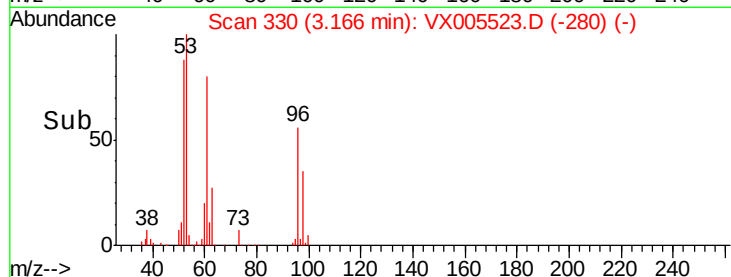
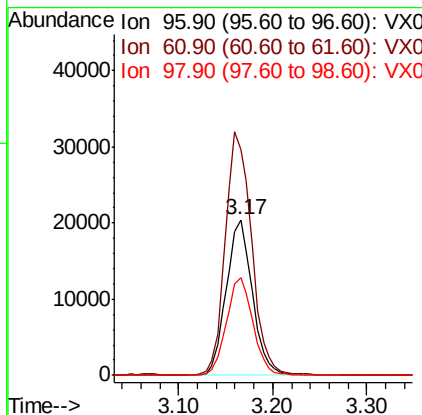
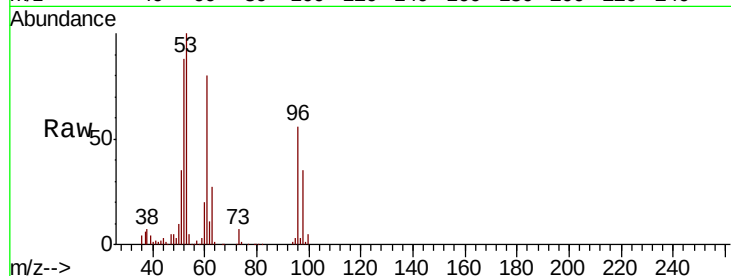
ClientSampleId :

VX1023WBSD01

Tot Ion:	96	Resp:	39445
Ion	Ratio	Lower	Upper
96	100		
61	145.0	113.8	170.6
98	62.9	51.8	77.8

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#22

Diisopropyl ether

Concen: 23.371 ug/l

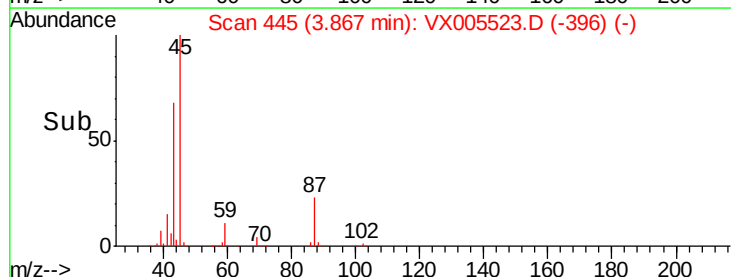
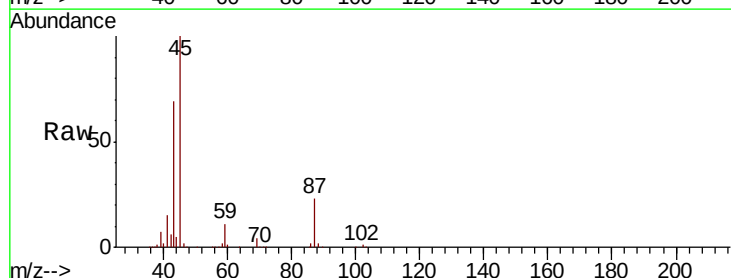
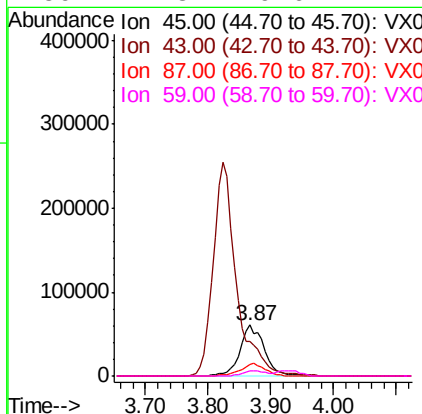
RT: 3.87 min Scan# 445

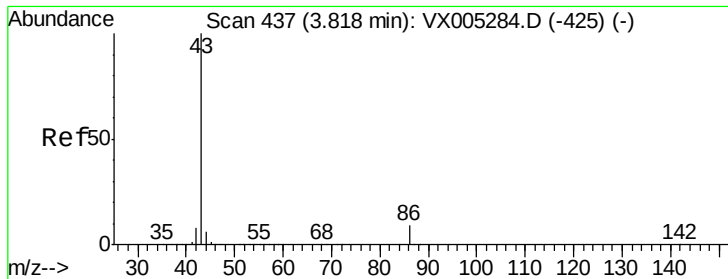
Delta R.T. -0.00 min

Lab File: VX005523.D

Acq: 23 Oct 2018 16:14

Tgt Ion:	45	Resp:	160998
Ion	Ratio	Lower	Upper
45	100		
43	68.2	42.8	64.2#
87	23.5	22.6	34.0
59	11.3	9.6	14.4





#23

Vinyl Acetate

Concen: 109.057 ug/l

RT: 3.82 min Scan# 438

Delta R.T. 0.01 min

Lab File: VX005523.D

Acq: 23 Oct 2018 16:14

Instrument :

MSVOA_X

ClientSampleId :

VX1023WBSD01

Tot Ion: 43 Resp: 656648

Ion Ratio Lower Upper

43 100

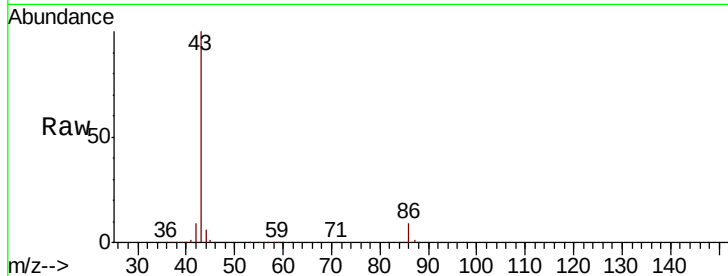
86 9.3 8.9 13.3

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Abundance Ion 43.00 (42.70 to 43.70): VX0

Ion 86.00 (85.70 to 86.70): VX0

300000

250000

200000

150000

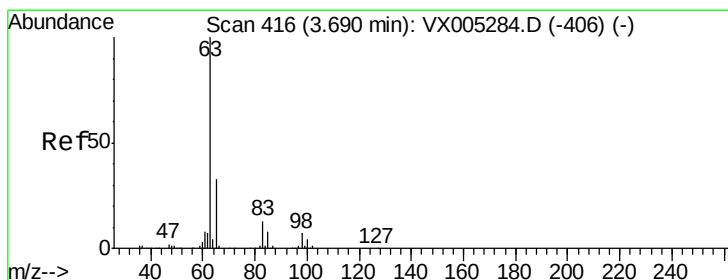
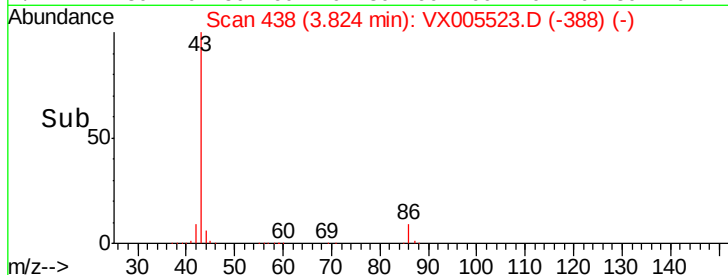
100000

50000

0

3.70 3.80 3.90 4.00 4.10

Time-->



#24

1,1-Dichloroethane

Concen: 21.243 ug/l

RT: 3.69 min Scan# 416

Delta R.T. -0.00 min

Lab File: VX005523.D

Acq: 23 Oct 2018 16:14

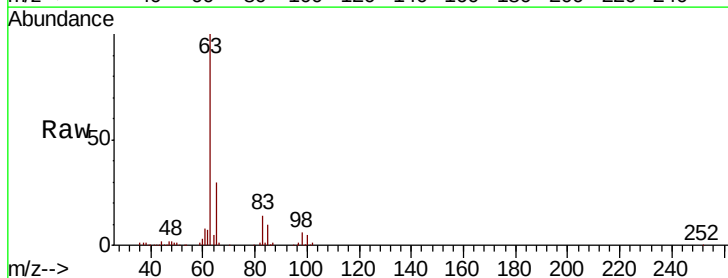
Tgt Ion: 63 Resp: 83869

Ion Ratio Lower Upper

63 100

98 6.0 3.5 10.4

100 4.6 2.4 7.1



Abundance Ion 62.90 (62.60 to 63.60): VX0

Ion 97.90 (97.60 to 98.60): VX0

Ion 99.90 (99.60 to 100.60): VX0

40000

30000

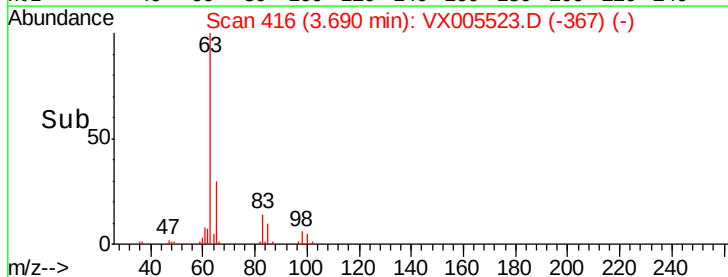
20000

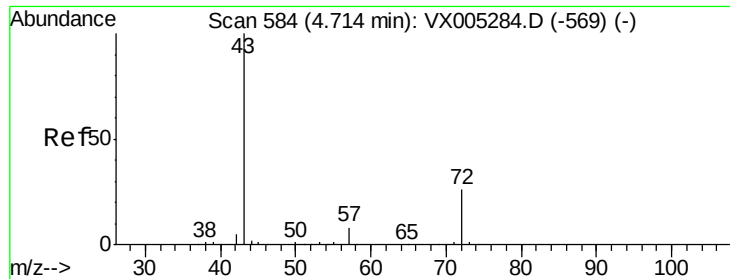
10000

0

3.60 3.70 3.80

Time-->





#25

2-Butanone

Concen: 116.548 ug/l

RT: 4.70 min Scan# 581

Delta R.T. -0.02 min

Lab File: VX005523.D

Acq: 23 Oct 2018 16:14

Instrument :

MSVOA_X

ClientSampleId :

VX1023WBSD01

Tot Ion: 43 Resp: 233397

Ion Ratio Lower Upper

43 100

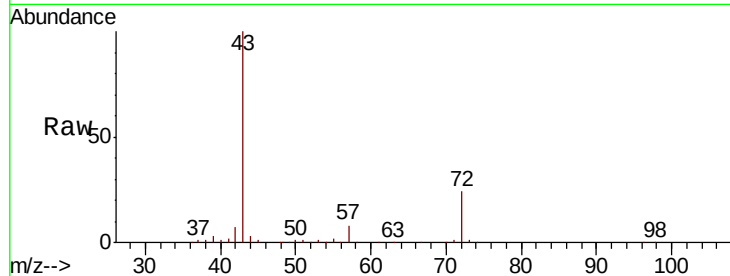
72 24.0 22.0 33.0

Manual Integrations

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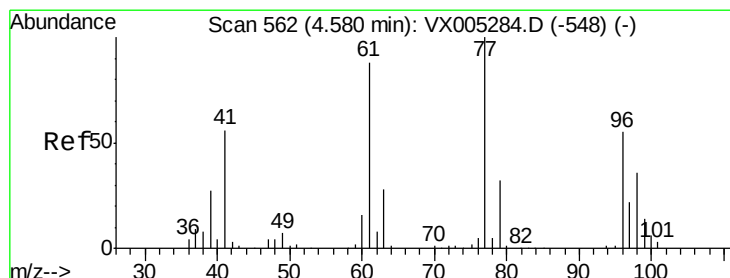
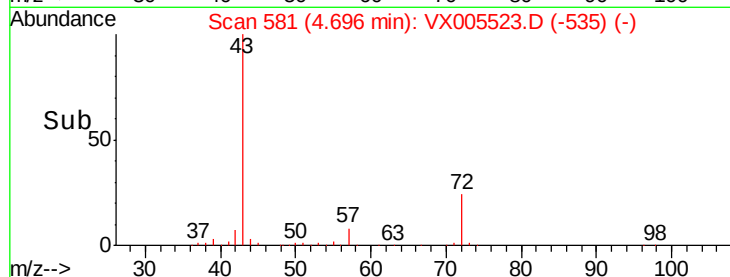
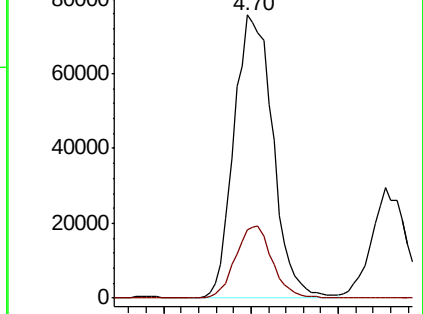
MMDadoda

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Abundance Ion 43.00 (42.70 to 43.70): VX0

Ion 72.00 (71.70 to 72.70): VX0



#26

2,2-Dichloropropane

Concen: 21.106 ug/l

RT: 4.59 min Scan# 563

Delta R.T. 0.01 min

Lab File: VX005523.D

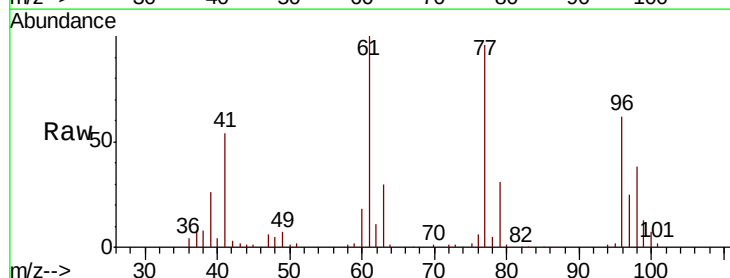
Acq: 23 Oct 2018 16:14

Tgt Ion: 77 Resp: 62322

Ion Ratio Lower Upper

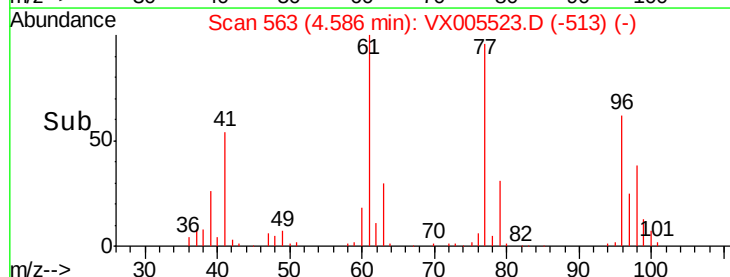
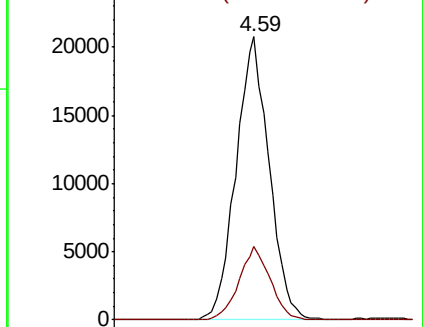
77 100

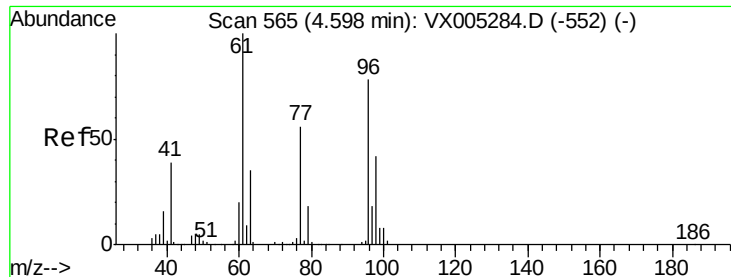
97 24.3 11.7 35.0



Abundance Ion 76.90 (76.60 to 77.60): VX0

Ion 96.90 (96.60 to 97.60): VX0





#27

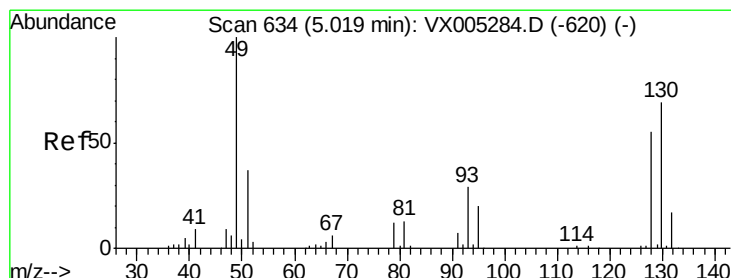
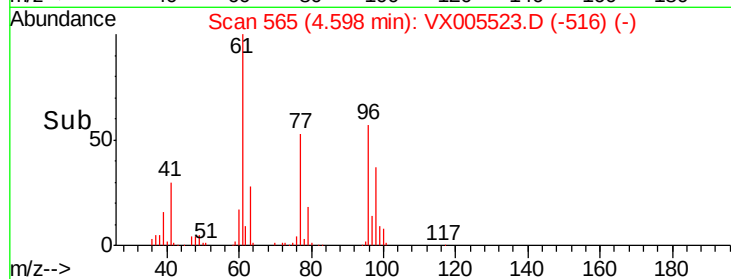
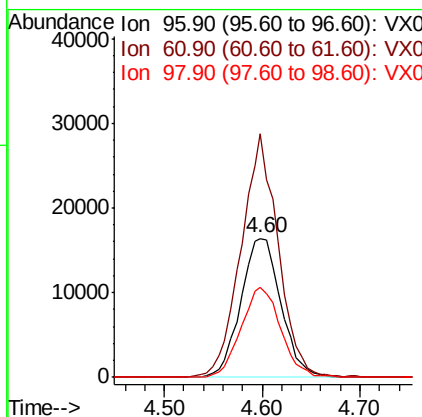
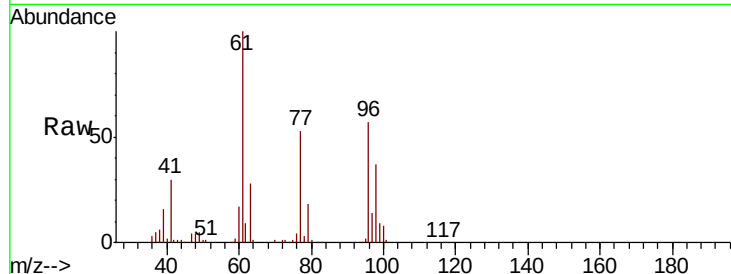
cis-1,2-Dichloroethene
Concen: 20.780 ug/l
RT: 4.60 min Scan# 565
Delta R.T. -0.00 min
Lab File: VX005523.D
Acq: 23 Oct 2018 16:14

Instrument :
MSVOA_X
ClientSampleId :
VX1023WBSD01

Tot Ion	Ratio	Lower	Upper
96	100		
61	162.3	0.0	282.6
98	63.9	0.0	130.2

Manual Integrations
APPROVED

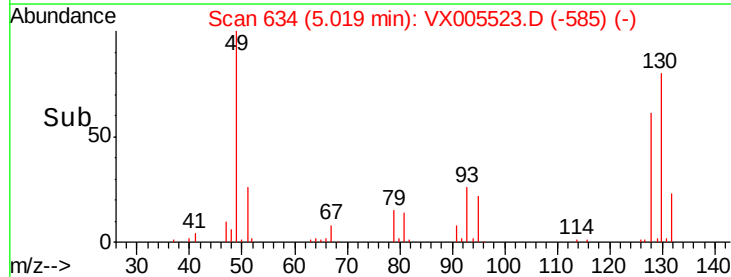
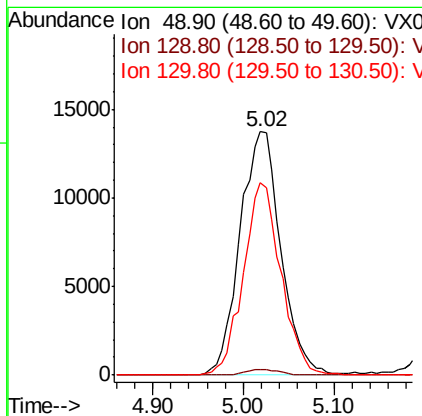
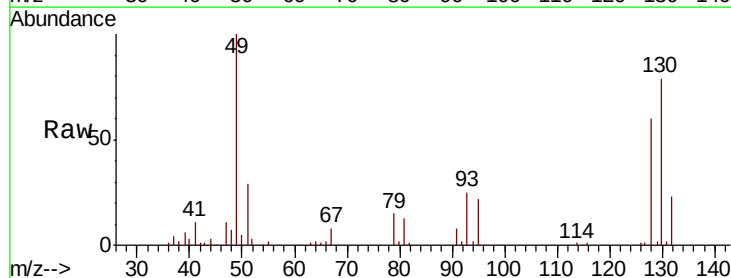
MMDadoda
10/24/2018 10:02:49 AM

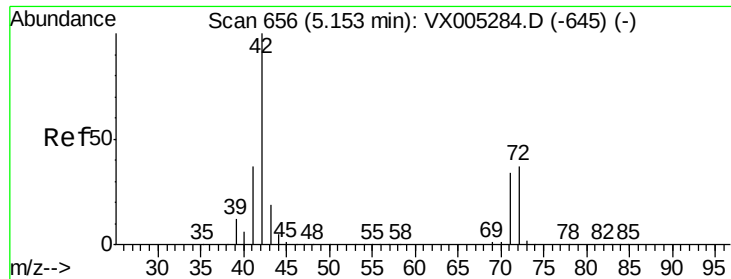


#28

Bromochloromethane
Concen: 23.826 ug/l
RT: 5.02 min Scan# 634
Delta R.T. -0.00 min
Lab File: VX005523.D
Acq: 23 Oct 2018 16:14

Tgt Ion	Ratio	Lower	Upper
49	100		
129	1.9	0.0	4.2
130	72.6	67.5	101.3





#29

Tetrahydrofuran

Concen: 110.401 ug/l

RT: 5.16 min Scan# 657

Delta R.T. 0.01 min

Lab File: VX005523.D

Acq: 23 Oct 2018 16:14

Instrument :

MSVOA_X

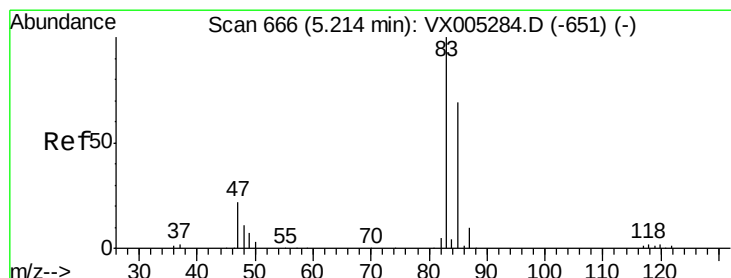
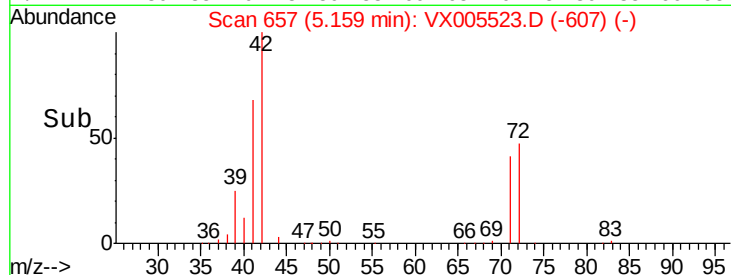
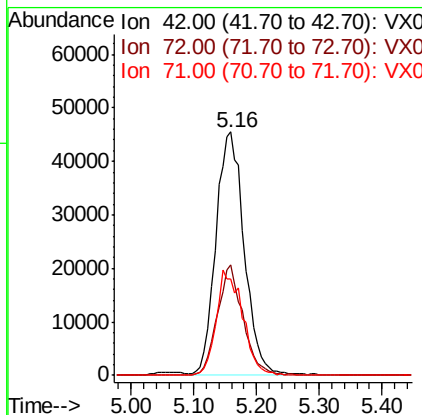
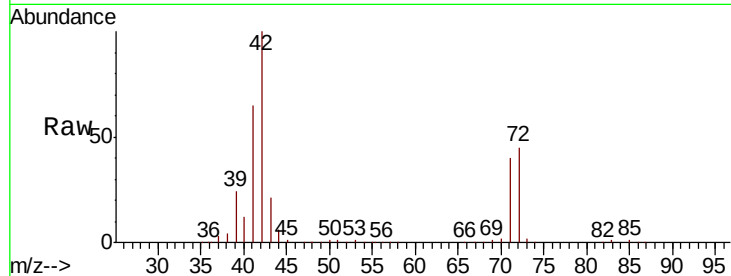
ClientSampleId :

VX1023WBSD01

Tot Ion:	42	Resp:	141025
Ion	Ratio	Lower	Upper
42	100		
72	41.4	37.4	56.0
71	40.6	34.5	51.7

Manual Integrations
APPROVED

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10/24/2018 10:02:49 AM



#30

Chloroform

Concen: 22.612 ug/l

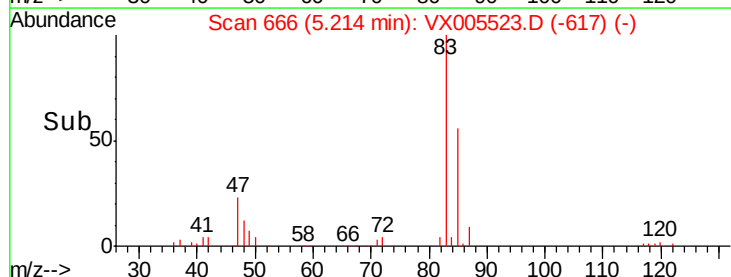
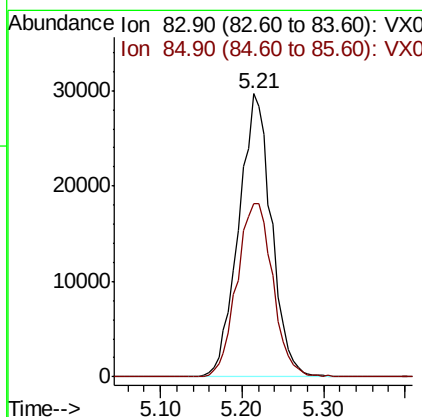
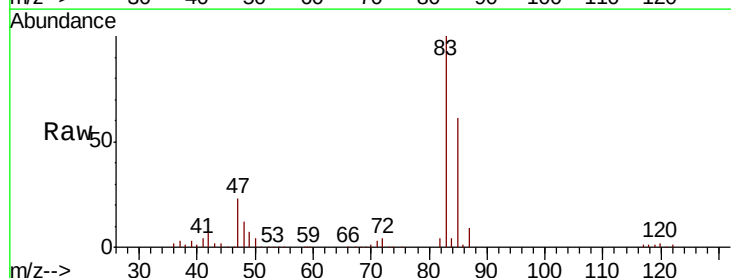
RT: 5.21 min Scan# 666

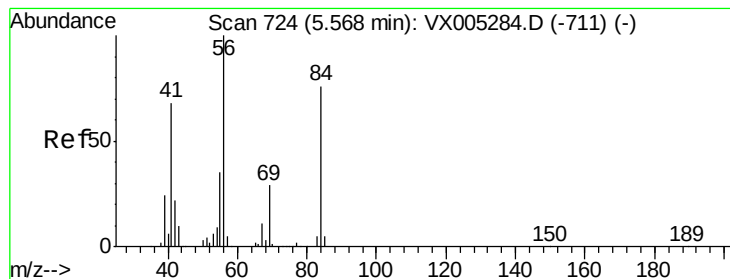
Delta R.T. -0.00 min

Lab File: VX005523.D

Acq: 23 Oct 2018 16:14

Tgt Ion:	83	Resp:	82864
Ion	Ratio	Lower	Upper
83	100		
85	61.3	52.6	79.0





#31

Cyclohexane

Concen: 20.258 ug/l

RT: 5.58 min Scan# 726

Delta R.T. 0.01 min

Lab File: VX005523.D

Acq: 23 Oct 2018 16:14

Instrument :

MSVOA_X

ClientSampleId :

VX1023WBSD01

Tot Ion: 56 Resp: 65920

Ion Ratio Lower Upper

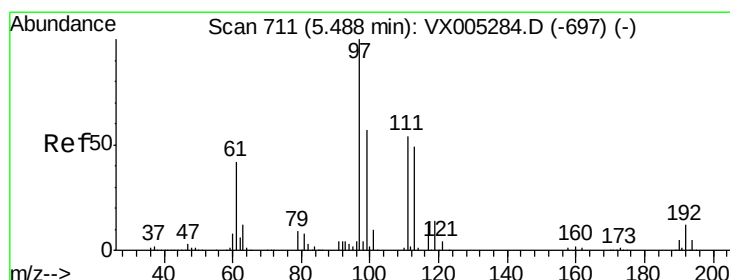
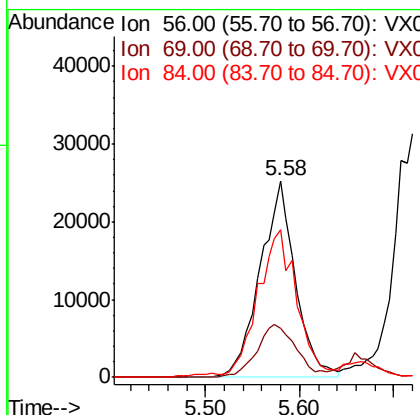
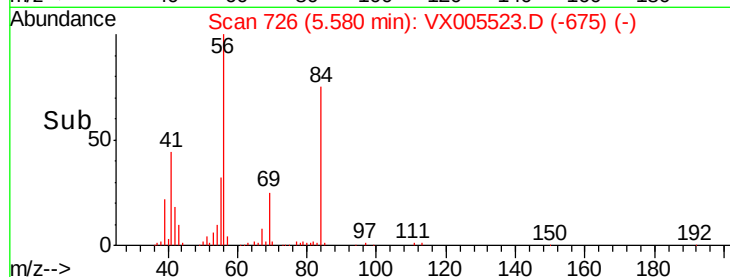
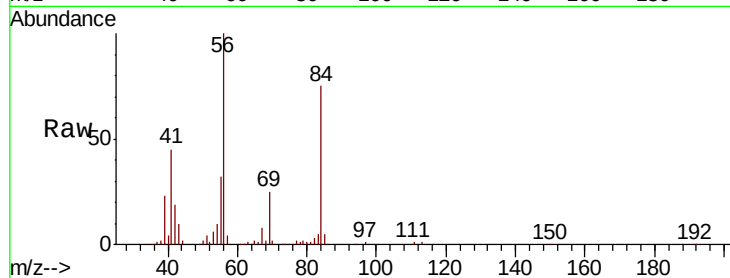
56 100

69 24.7 25.4 38.2#

84 74.3 71.4 107.2

Manual Integrations
APPROVED

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#32

1,1,1-Trichloroethane

Concen: 22.119 ug/l

RT: 5.49 min Scan# 712

Delta R.T. 0.01 min

Lab File: VX005523.D

Acq: 23 Oct 2018 16:14

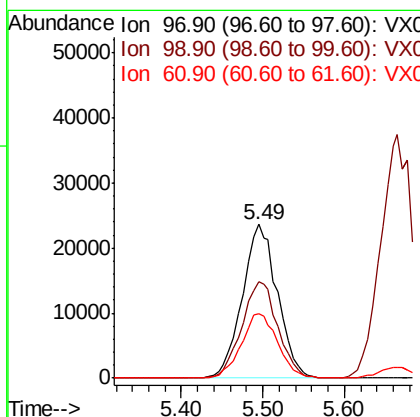
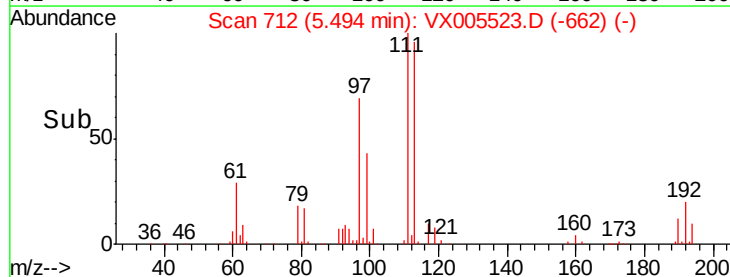
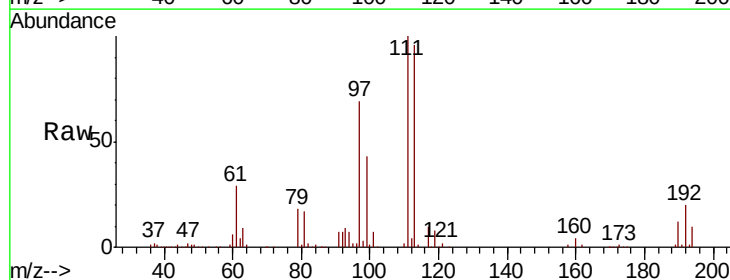
Tgt Ion: 97 Resp: 70528

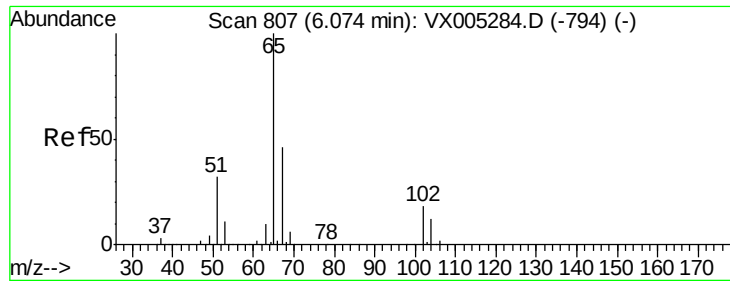
Ion Ratio Lower Upper

97 100

99 64.4 52.0 78.0

61 43.5 34.9 52.3





#33

1,2-Dichloroethane-d4

Concen: 52.810 ug/l

RT: 6.07 min Scan# 806

Delta R.T. -0.01 min

Lab File: VX005523.D

Acq: 23 Oct 2018 16:14

Instrument :

MSVOA_X

ClientSampleId :

VX1023WBSD01

Tot Ion: 65 Resp: 125015

Ion Ratio Lower Upper

65 100

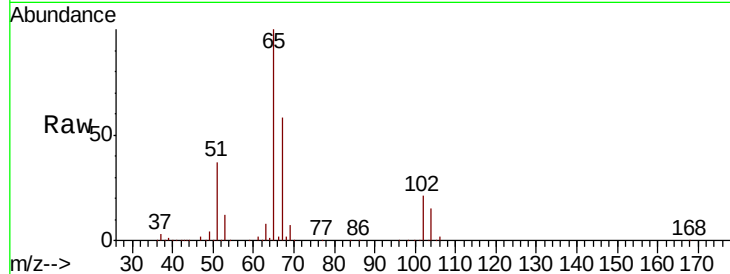
67 55.5 0.0 106.8

Manual Integrations

APPROVED

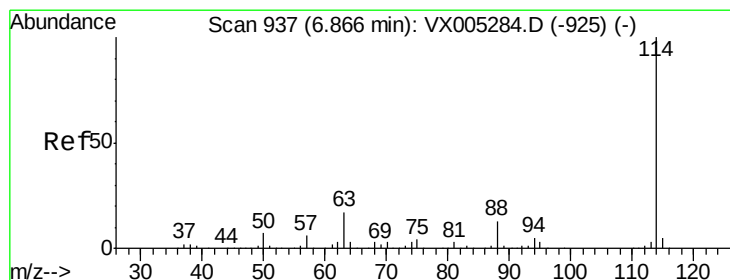
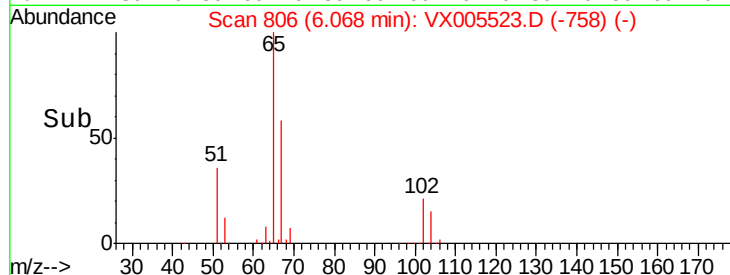
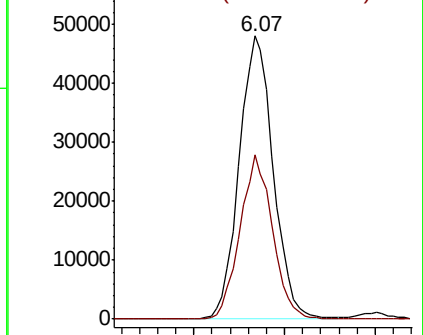
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Abundance Ion 64.90 (64.60 to 65.60): VX0

Ion 66.90 (66.60 to 67.60): VX0



#34

1,4-Difluorobenzene

Concen: 50.000 ug/l

RT: 6.87 min Scan# 937

Delta R.T. -0.00 min

Lab File: VX005523.D

Acq: 23 Oct 2018 16:14

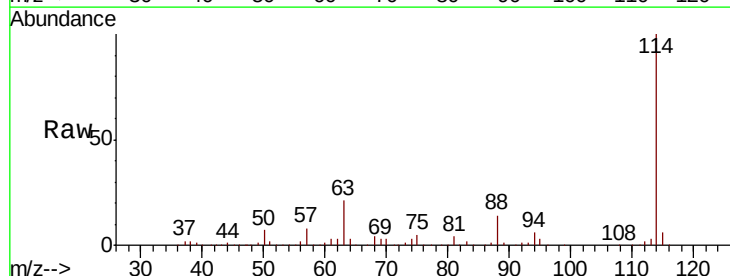
Tgt Ion: 114 Resp: 323198

Ion Ratio Lower Upper

114 100

63 20.8 0.0 39.0

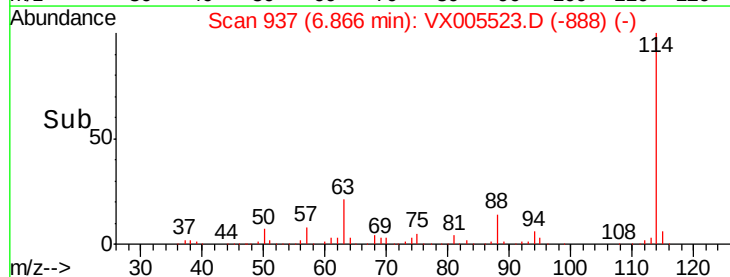
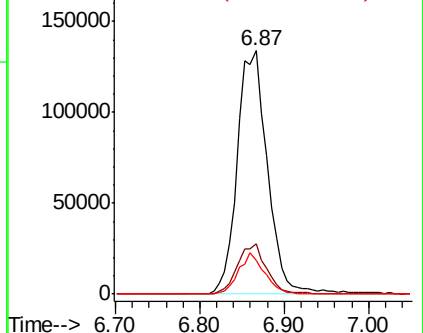
88 13.8 0.0 30.4

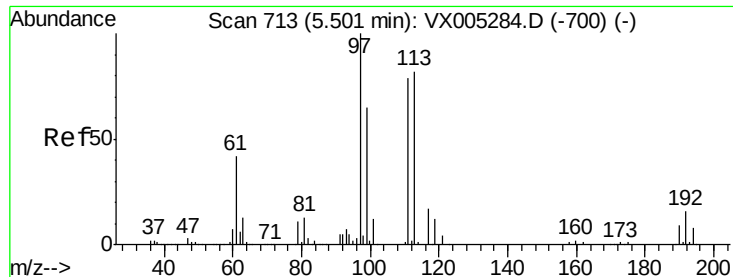


Abundance Ion 113.90 (113.60 to 114.60): V

Ion 63.00 (62.70 to 63.70): VX0

Ion 87.90 (87.60 to 88.60): VX0





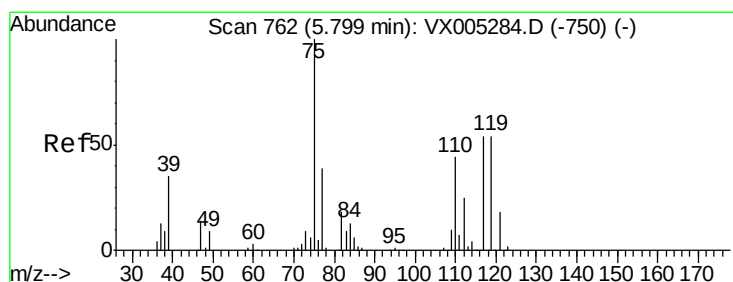
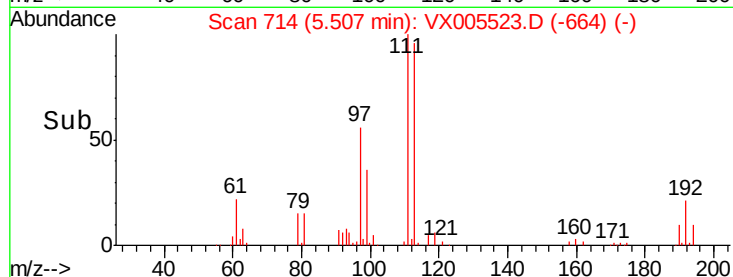
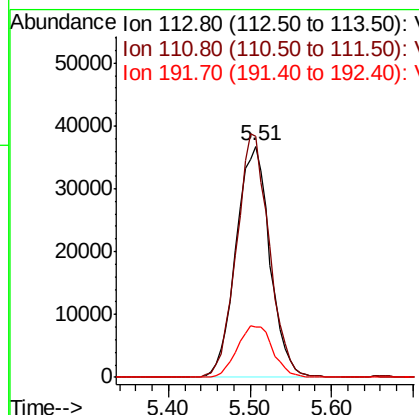
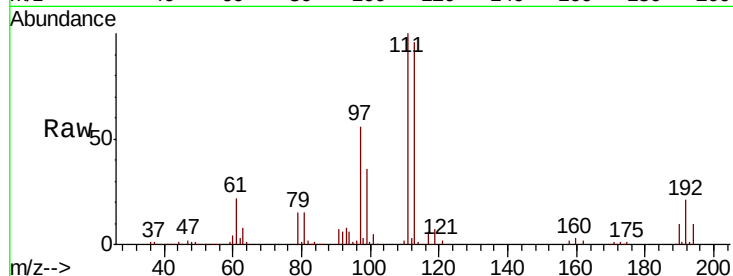
#35
 Dibromofluoromethane
 Concen: 49.326 ug/l
 RT: 5.51 min Scan# 714
 Delta R.T. 0.01 min
 Lab File: VX005523.D
 Acq: 23 Oct 2018 16:14

Instrument :
 MSVOA_X
 ClientSampleId :
 VX1023WBSD01

Tot Ion	Ratio	Resp	Lower	Upper
113	100			
111	102.1	82.4	123.6	
192	23.3	19.4	29.2	

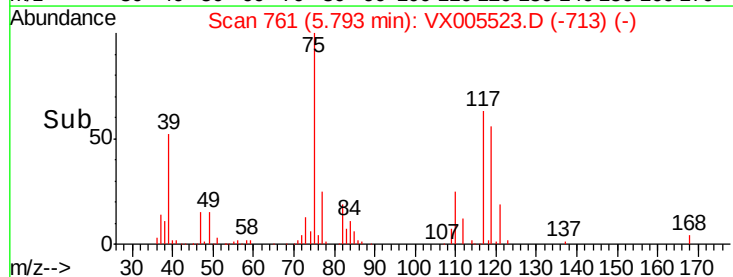
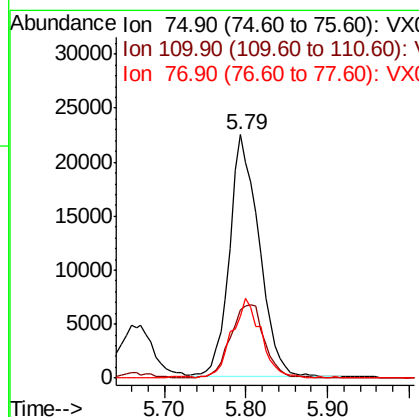
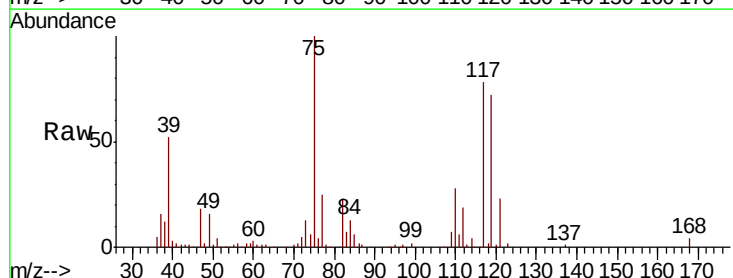
Manual Integrations
 APPROVED

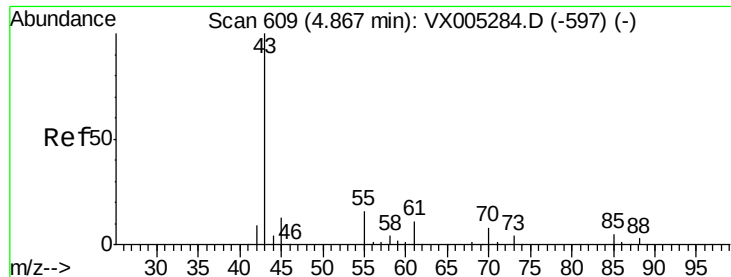
MMDadoda
 10/24/2018 10:02:49 AM



#36
 1,1-Dichloropropene
 Concen: 18.040 ug/l
 RT: 5.79 min Scan# 761
 Delta R.T. -0.01 min
 Lab File: VX005523.D
 Acq: 23 Oct 2018 16:14

Tgt Ion	Ratio	Resp	Lower	Upper
75	100			
110	34.9	18.0	54.0	
77	32.0	24.6	36.8	





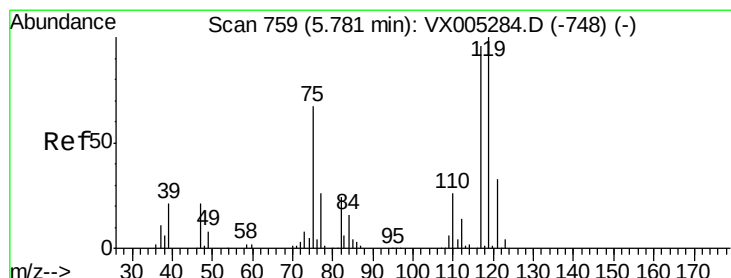
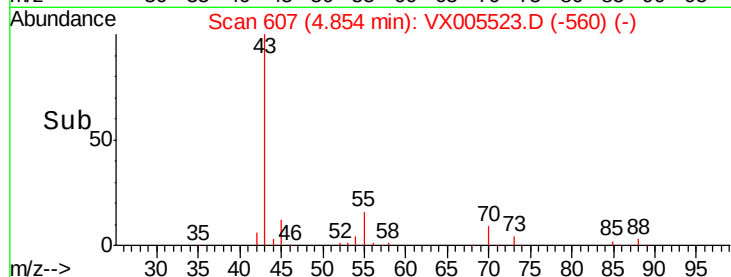
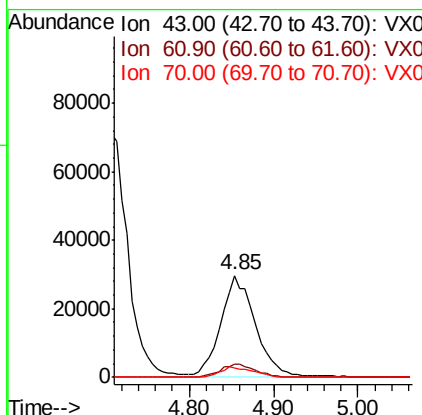
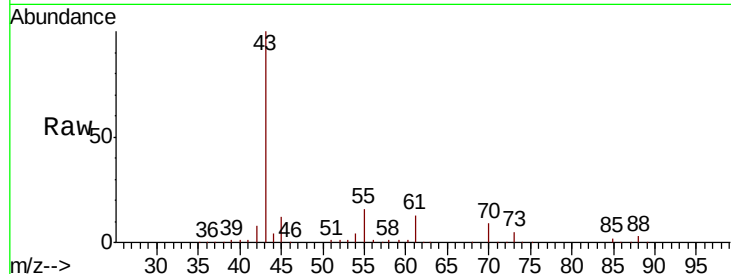
#37
Ethyl Acetate
Concen: 20.629 ug/l
RT: 4.85 min Scan# 607
Delta R.T. -0.01 min
Lab File: VX005523.D
Acq: 23 Oct 2018 16:14

Instrument :
MSVOA_X
ClientSampleId :
VX1023WBSD01

Tot Ion	Ratio	Lower	Upper
43	100		
61	12.5	11.5	17.3
70	10.1	9.0	13.6

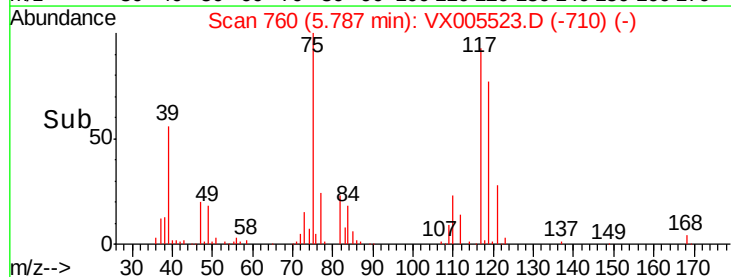
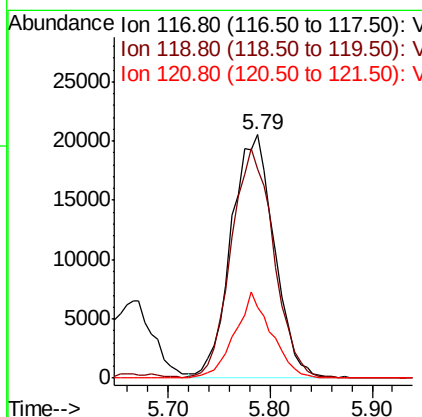
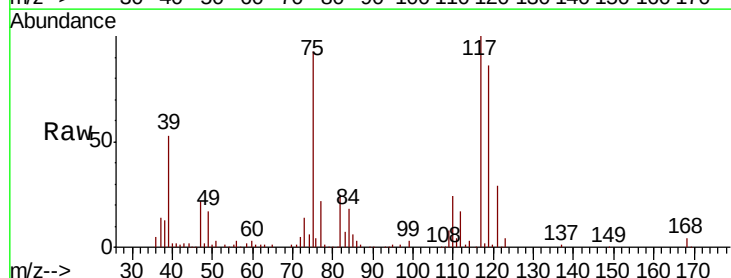
Manual Integrations
APPROVED

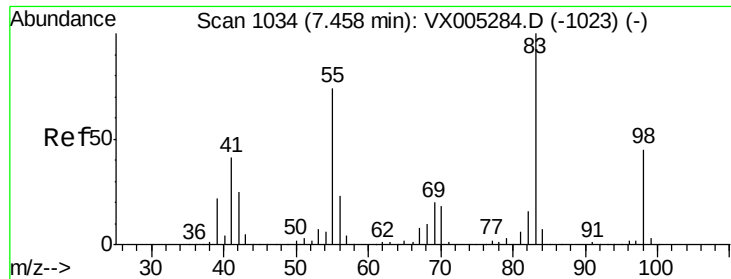
MMDadoda
10/24/2018 10:02:49 AM



#38
Carbon Tetrachloride
Concen: 19.161 ug/l
RT: 5.79 min Scan# 760
Delta R.T. 0.01 min
Lab File: VX005523.D
Acq: 23 Oct 2018 16:14

Tgt Ion	Ratio	Lower	Upper
117	100		
119	85.9	78.8	118.2
121	29.3	24.9	37.3





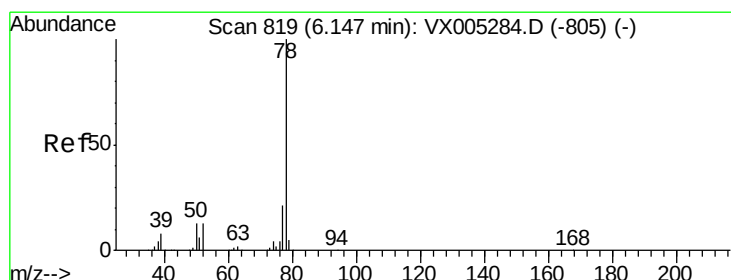
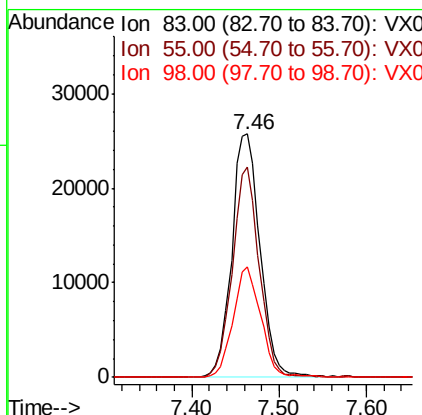
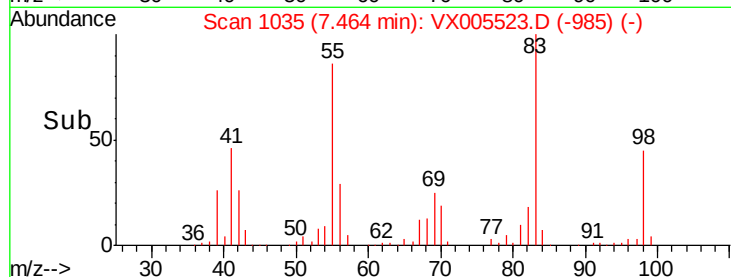
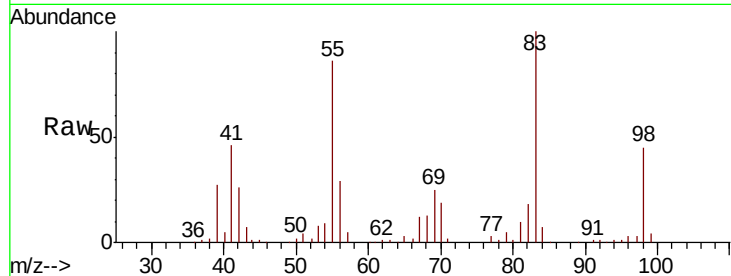
#39
Methylvlcyclohexane
Concen: 17.154 ug/l
RT: 7.46 min Scan# 1035
Delta R.T. 0.01 min
Lab File: VX005523.D
Acq: 23 Oct 2018 16:14

Instrument :
MSVOA_X
ClientSampleId :
VX1023WBSD01

Tot Ion	Ratio	Lower	Upper
83	100		
55	86.2	61.0	91.4
98	45.3	39.6	59.4

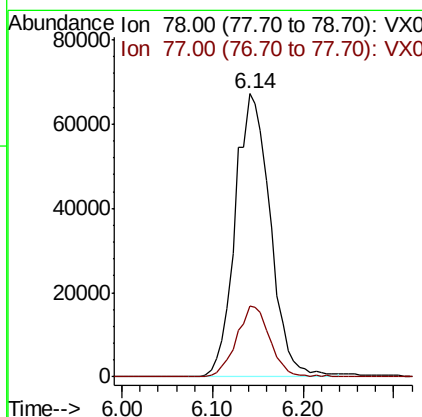
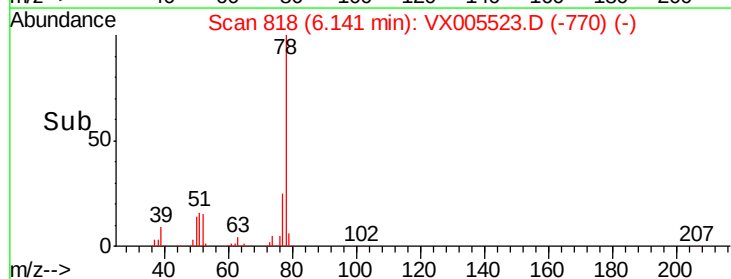
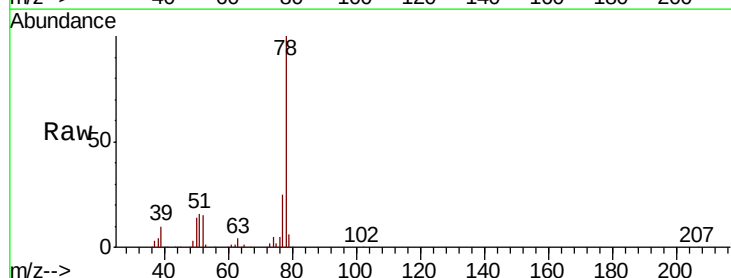
Manual Integrations
APPROVED

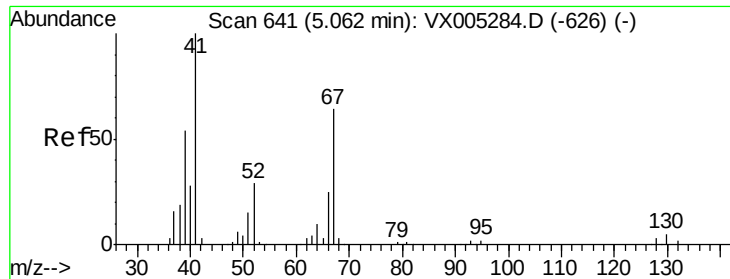
MMDadoda
10/24/2018 10:02:49 AM



#40
Benzene
Concen: 19.213 ug/l
RT: 6.14 min Scan# 818
Delta R.T. -0.01 min
Lab File: VX005523.D
Acq: 23 Oct 2018 16:14

Tgt Ion	Ratio	Lower	Upper
78	100		
77	25.1	19.0	28.4





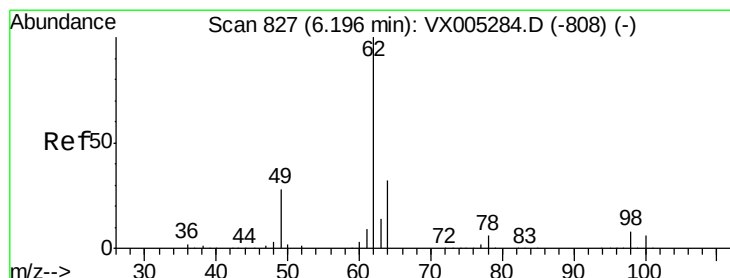
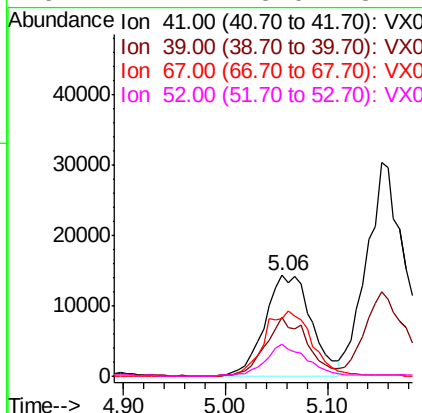
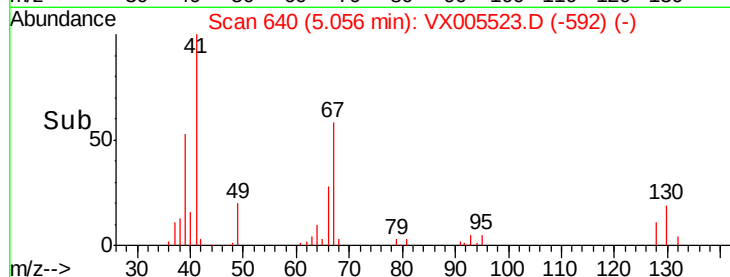
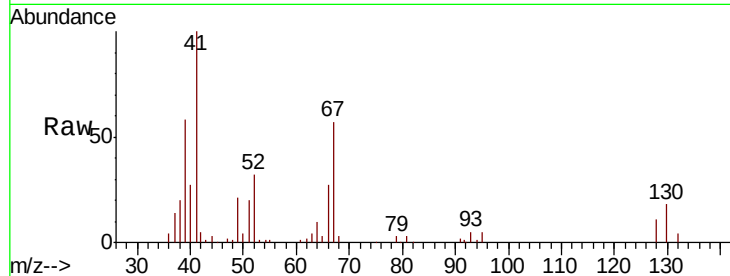
#41
Methacrylonitrile
Concen: 21.034 ug/l
RT: 5.06 min Scan# 640
Delta R.T. -0.01 min
Lab File: VX005523.D
Acq: 23 Oct 2018 16:14

Instrument :
MSVOA_X
ClientSampleId :
VX1023WBSD01

Tot Ion	Ion	Ratio	Lower	Upper
41	100			
39	52.9	42.4	63.6	
67	66.0	59.2	88.8	
52	27.2	23.0	34.4	

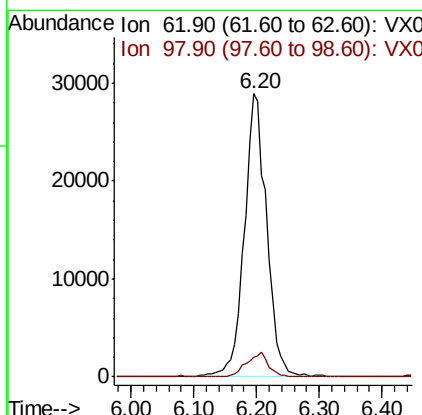
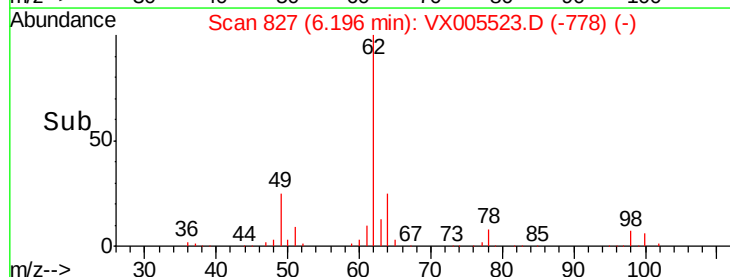
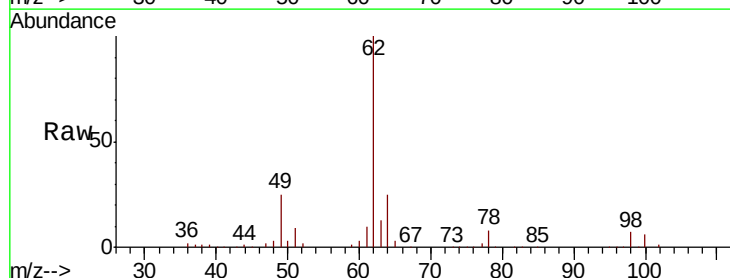
Manual Integrations
APPROVED

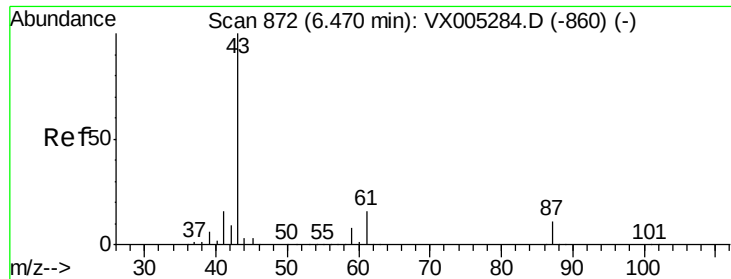
MMDadoda
10/24/2018 10:02:49 AM



#42
1,2-Dichloroethane
Concen: 21.531 ug/l
RT: 6.20 min Scan# 827
Delta R.T. -0.00 min
Lab File: VX005523.D
Acq: 23 Oct 2018 16:14

Tgt Ion	Ion	Ratio	Lower	Upper
62	100			
98	8.5	0.0	20.6	





#43

Isopropyl Acetate

Concen: 21.637 ug/l

RT: 6.46 min Scan# 870

Delta R.T. -0.01 min

Lab File: VX005523.D

Acq: 23 Oct 2018 16:14

Instrument :

MSVOA_X

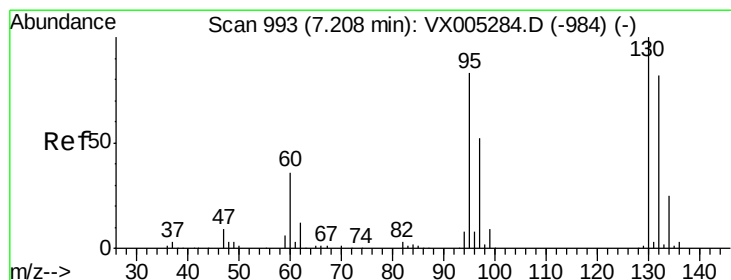
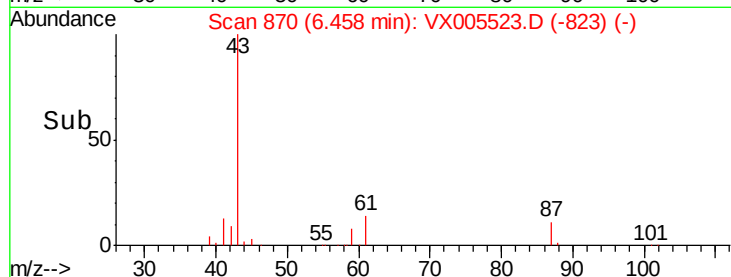
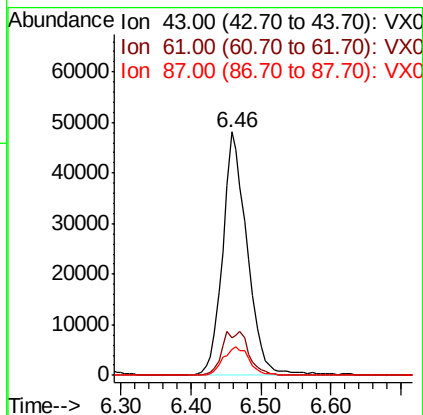
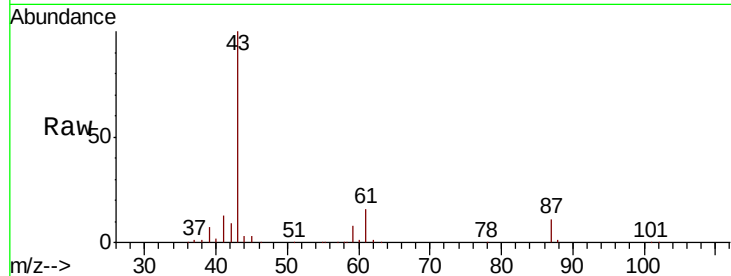
ClientSampleId :

VX1023WBSD01

Tot Ion:	43	Resp:	116026
Ion	Ratio	Lower	Upper
43	100		
61	19.7	17.0	25.4
87	12.8	11.4	17.2

Manual Integrations
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10/24/2018 10:02:49 AM



#44

Trichloroethene

Concen: 16.972 ug/l

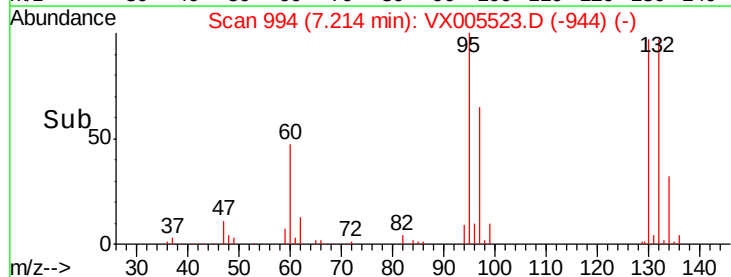
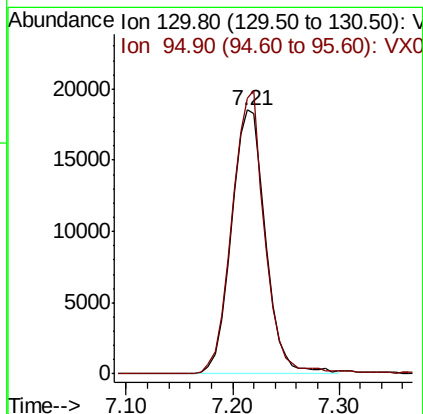
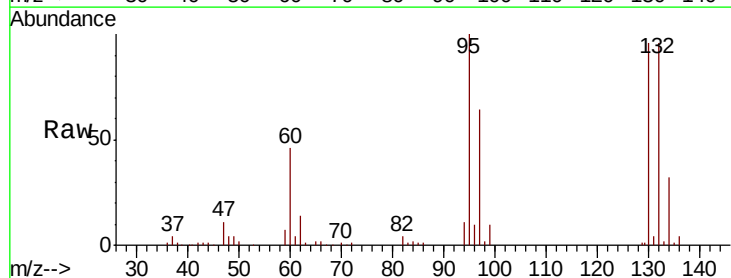
RT: 7.21 min Scan# 994

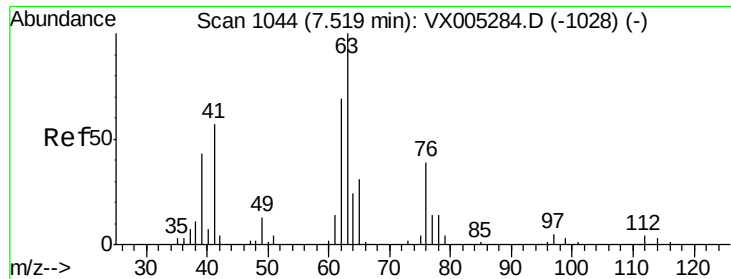
Delta R.T. 0.01 min

Lab File: VX005523.D

Acq: 23 Oct 2018 16:14

Tgt Ion:	130	Resp:	41677
Ion	Ratio	Lower	Upper
130	100		
95	104.4	0.0	181.6





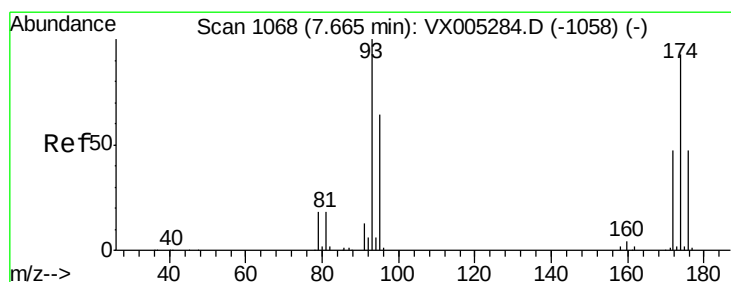
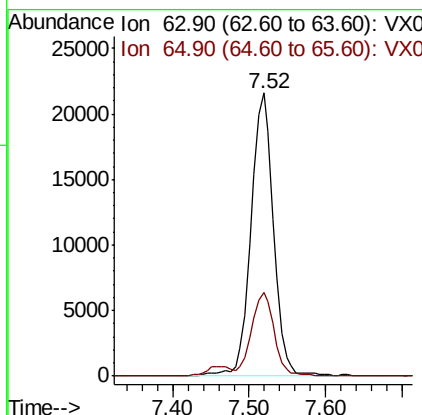
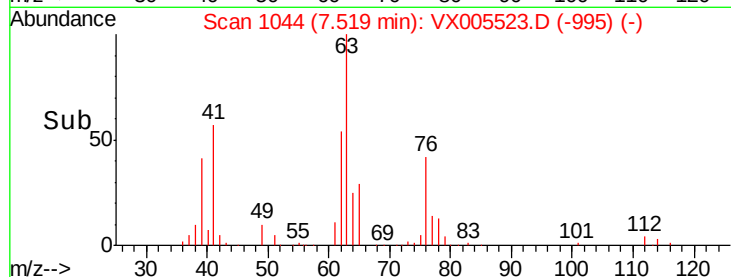
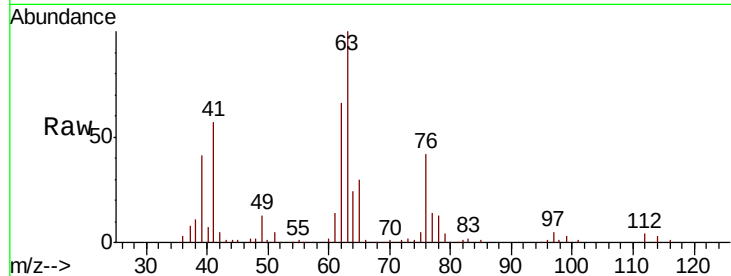
#45
 1,2-Dichloropropane
 Concen: 19.370 ug/l
 RT: 7.52 min Scan# 1044
 Delta R.T. -0.00 min
 Lab File: VX005523.D
 Acq: 23 Oct 2018 16:14

Instrument :
 MSVOA_X
 ClientSampleId :
 VX1023WBSD01

Tot Ion: 63 Resp: 44614
 Ion Ratio Lower Upper
 63 100
 65 29.4 24.3 36.5

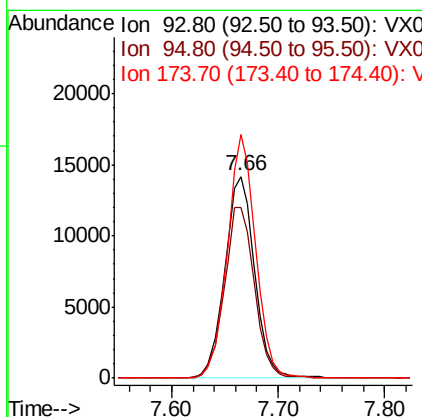
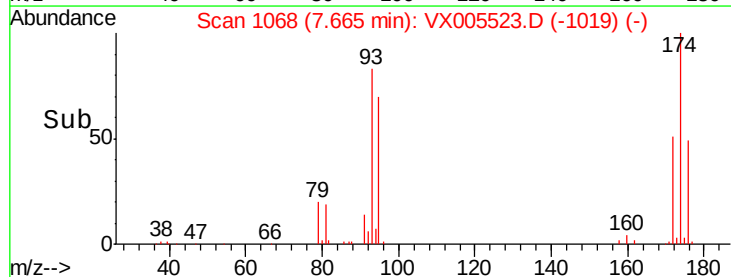
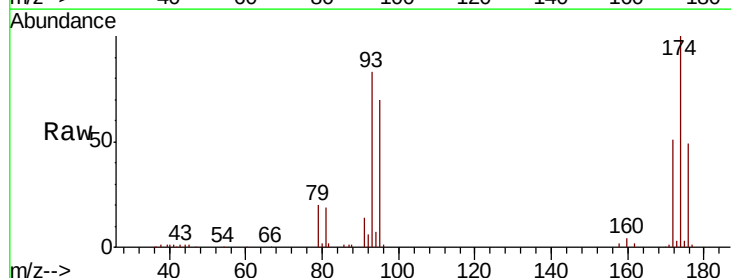
Manual Integrations
 APPROVED

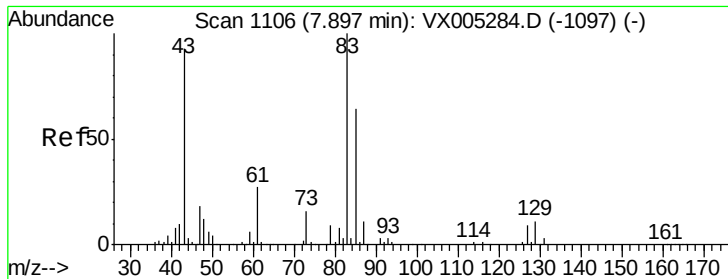
MMDadoda
 10/24/2018 10:02:49 AM



#46
 Dibromomethane
 Concen: 18.217 ug/l
 RT: 7.66 min Scan# 1068
 Delta R.T. -0.00 min
 Lab File: VX005523.D
 Acq: 23 Oct 2018 16:14

Tgt Ion: 93 Resp: 27693
 Ion Ratio Lower Upper
 93 100
 95 85.4 65.5 98.3
 174 114.8 94.2 141.4





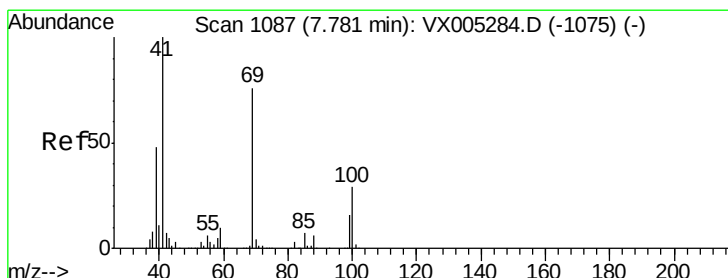
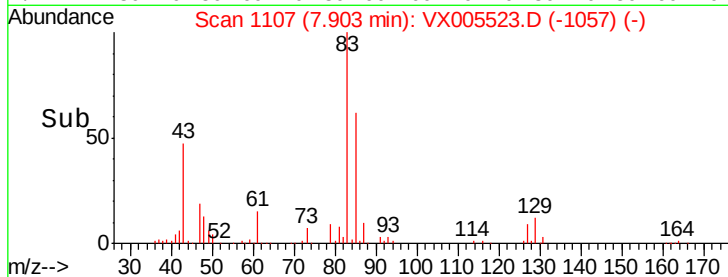
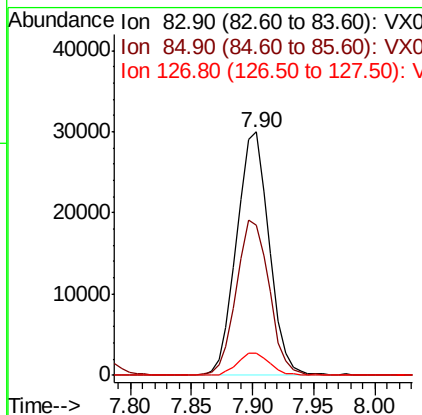
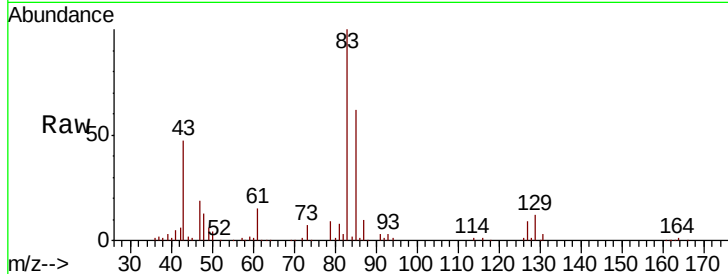
#47
 Bromodichloromethane
 Concen: 19.689 ug/l
 RT: 7.90 min Scan# 1107
 Delta R.T. 0.01 min
 Lab File: VX005523.D
 Acq: 23 Oct 2018 16:14

Instrument :
 MSVOA_X
 ClientSampleId :
 VX1023WBSD01

Tot Ion	83	Resp	55364
Ion Ratio	100	Lower	Upper
83	100		
85	61.6	50.9	76.3
127	9.0	7.3	10.9

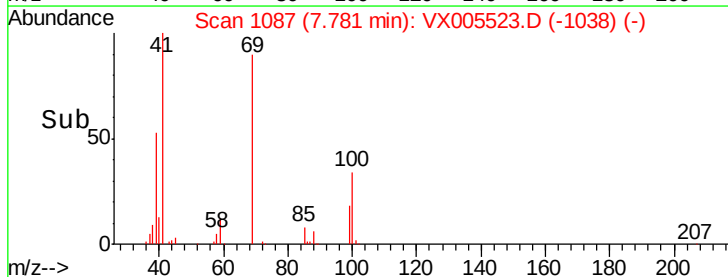
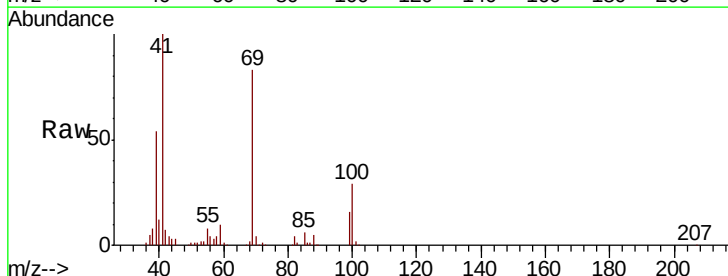
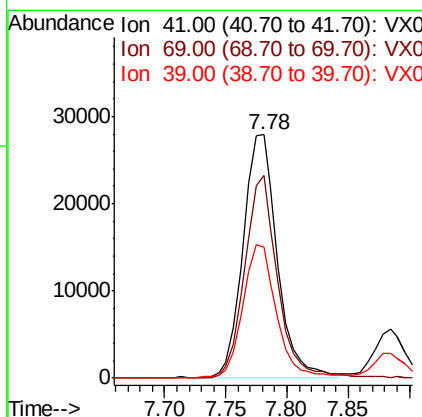
Manual Integrations
 APPROVED

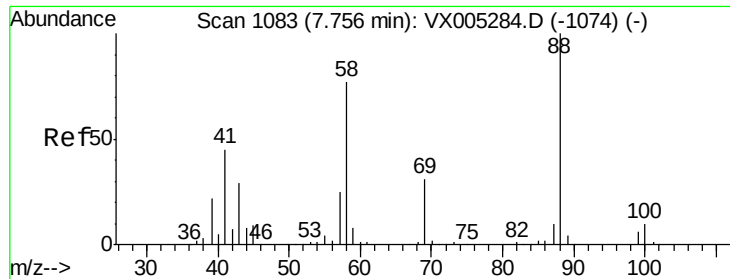
MMDadoda
 10/24/2018 10:02:49 AM



#48
 Methyl methacrylate
 Concen: 19.407 ug/l
 RT: 7.78 min Scan# 1087
 Delta R.T. -0.00 min
 Lab File: VX005523.D
 Acq: 23 Oct 2018 16:14

Tgt Ion	41	Resp	53975
Ion Ratio	100	Lower	Upper
41	100		
69	80.4	70.2	105.4
39	54.7	42.7	64.1





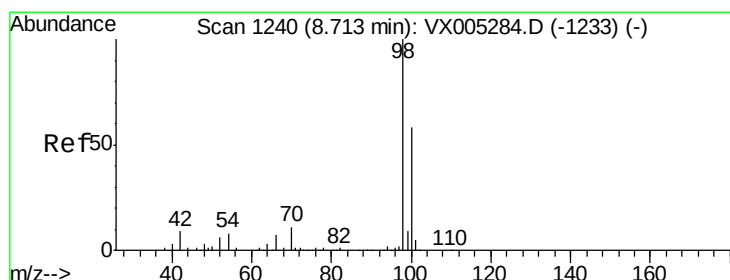
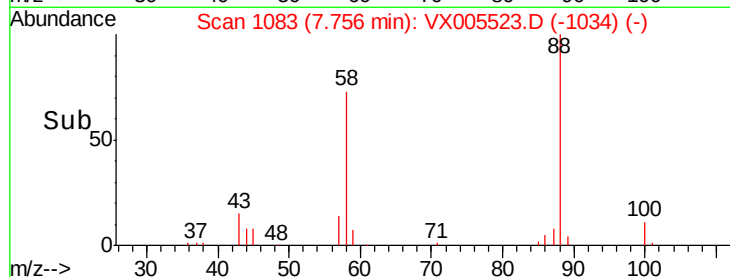
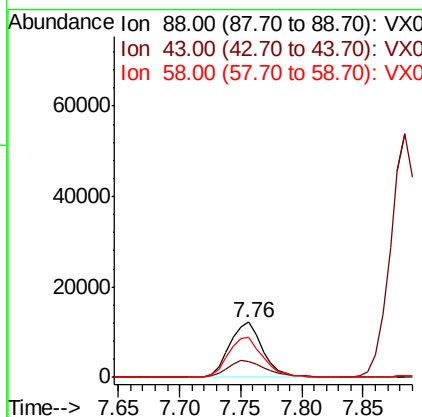
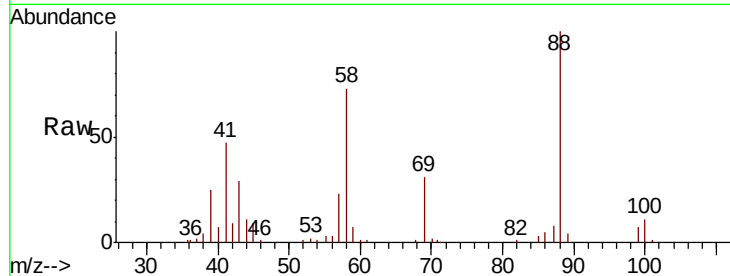
#49
1,4-Dioxane
Concen: 358.569 ug/l
RT: 7.76 min Scan# 1083
Delta R.T. -0.00 min
Lab File: VX005523.D
Acq: 23 Oct 2018 16:14

Instrument :
MSVOA_X
ClientSampleId :
VX1023WBSD01

Tot Ion	Ratio	Lower	Upper
88	100		
43	34.3	24.7	37.1
58	76.7	55.3	82.9

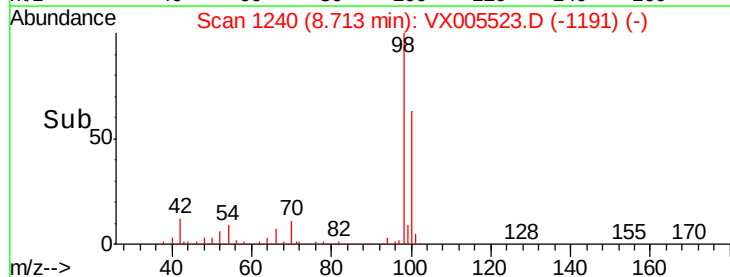
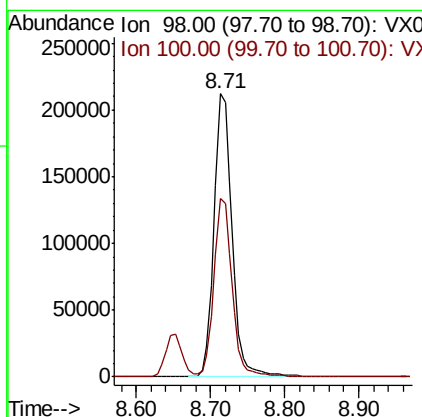
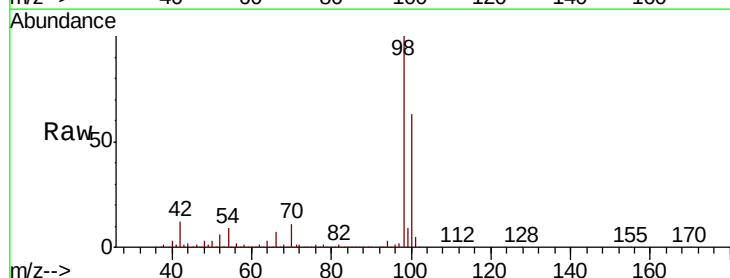
Manual Integrations
APPROVED

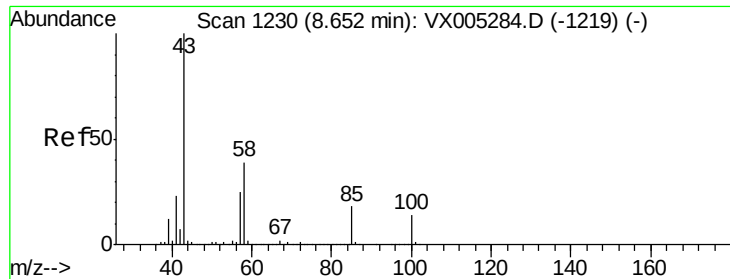
MMDadoda
10/24/2018 10:02:49 AM



#50
Toluene-d8
Concen: 47.936 ug/l
RT: 8.71 min Scan# 1240
Delta R.T. -0.00 min
Lab File: VX005523.D
Acq: 23 Oct 2018 16:14

Tgt Ion	Ratio	Lower	Upper
98	100		
100	64.0	52.9	79.3





#51

4-Methyl-2-Pentanone

Concen: 105.713 ug/l

RT: 8.65 min Scan# 1229

Delta R.T. -0.01 min

Lab File: VX005523.D

Acq: 23 Oct 2018 16:14

Instrument :

MSVOA_X

ClientSampleId :

VX1023WBSD01

Tot Ion: 43 Resp: 392506

Ion Ratio Lower Upper

43 100

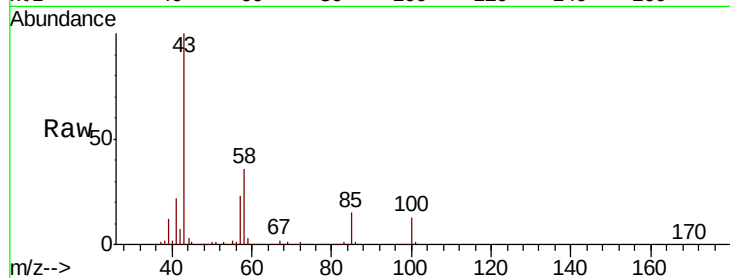
58 36.1 33.1 49.7

Manual Integrations

APPROVED

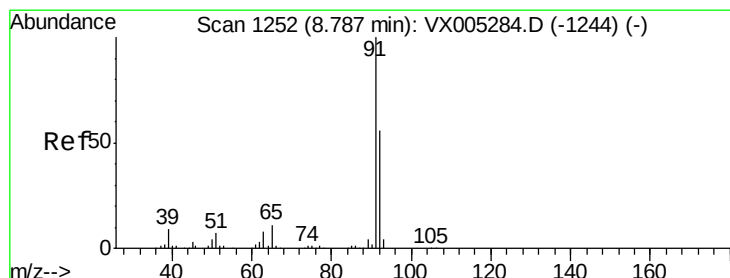
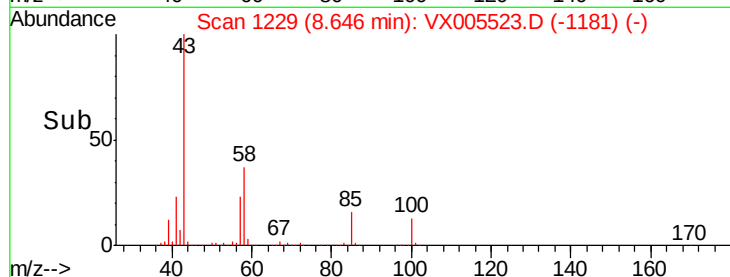
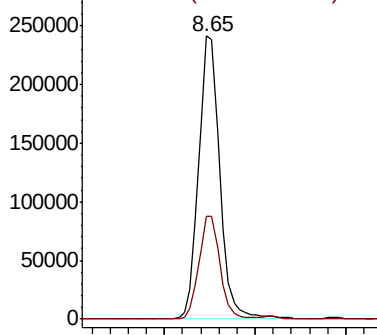
MMDadoda

10/24/2018 10:02:49 AM



Abundance Ion 43.00 (42.70 to 43.70): VX0

Ion 58.00 (57.70 to 58.70): VX0



#52

Toluene

Concen: 19.240 ug/l

RT: 8.79 min Scan# 1252

Delta R.T. -0.00 min

Lab File: VX005523.D

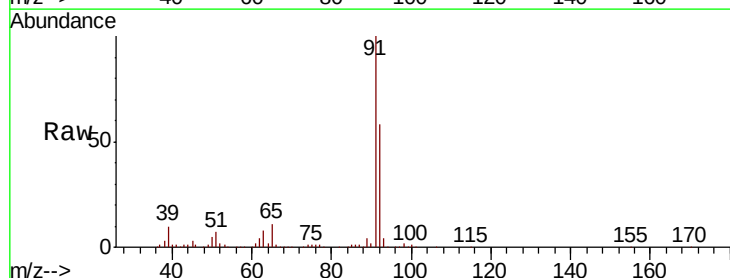
Acq: 23 Oct 2018 16:14

Tgt Ion: 92 Resp: 98839

Ion Ratio Lower Upper

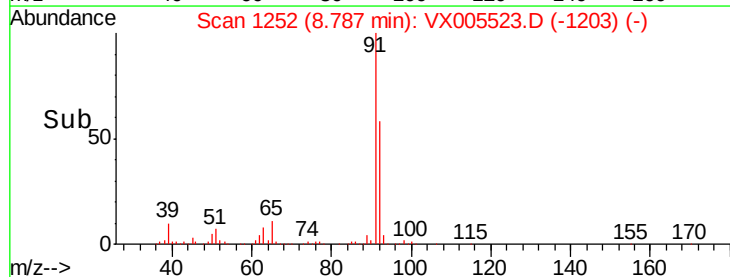
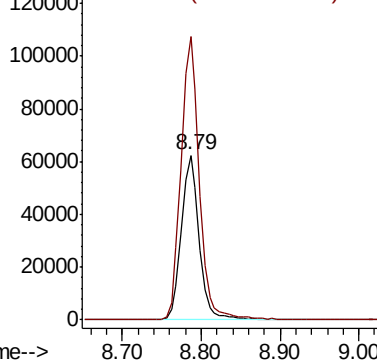
92 100

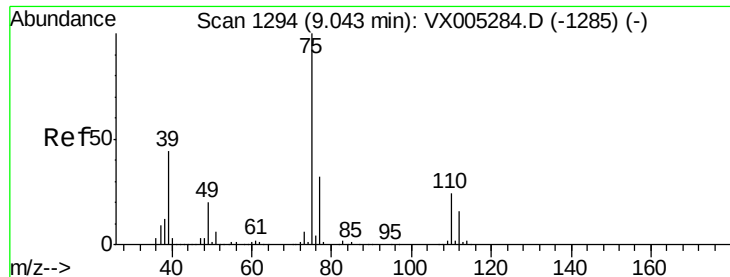
91 176.8 136.4 204.6



Abundance Ion 92.00 (91.70 to 92.70): VX0

Ion 91.00 (90.70 to 91.70): VX0





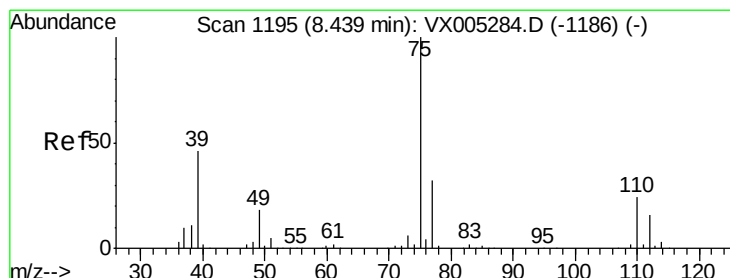
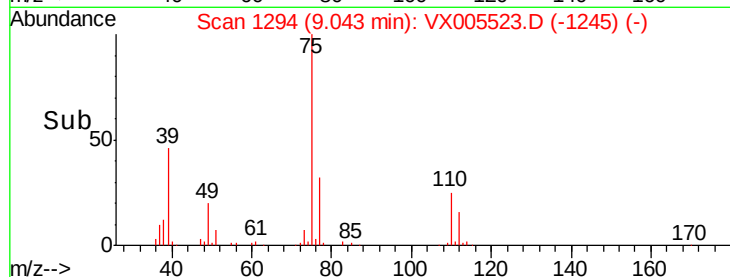
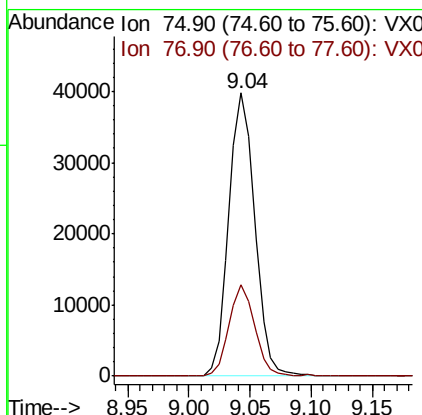
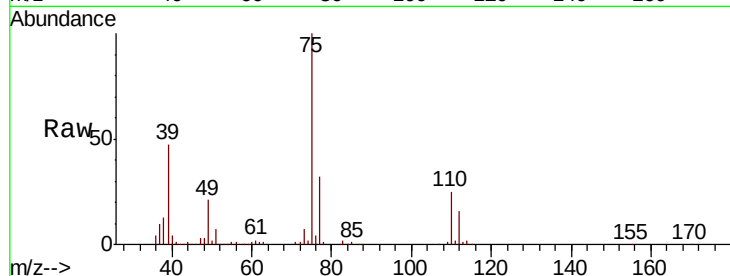
#53
t-1,3-Dichloropropene
Concen: 19.296 ug/l
RT: 9.04 min Scan# 1294
Delta R.T. -0.00 min
Lab File: VX005523.D
Acq: 23 Oct 2018 16:14

Instrument :
MSVOA_X
ClientSampleId :
VX1023WBSD01

Tot Ion	Ratio	Lower	Upper
75	100		
77	32.1	24.6	37.0

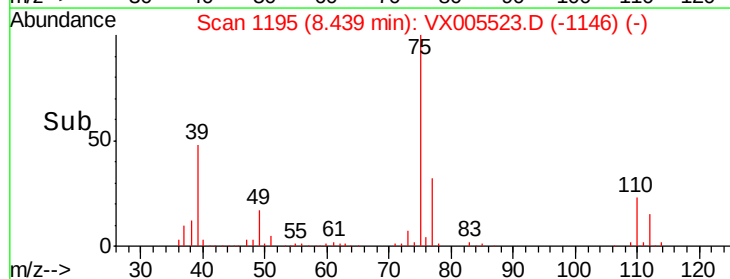
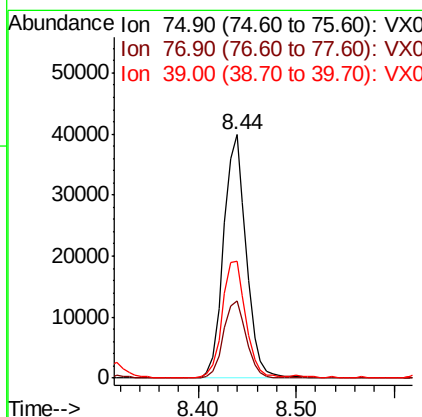
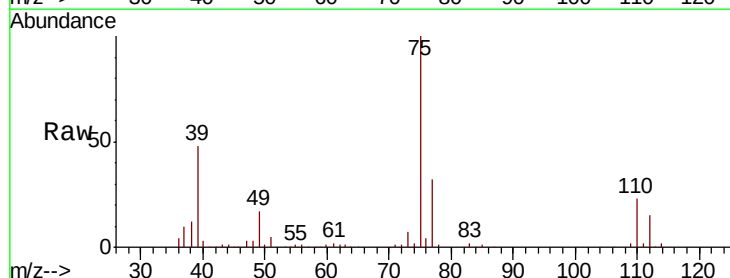
Manual Integrations
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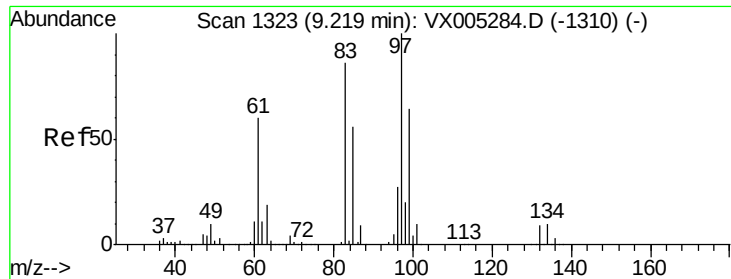
MMDadoda
10/24/2018 10:02:49 AM



#54
cis-1,3-Dichloropropene
Concen: 19.404 ug/l
RT: 8.44 min Scan# 1195
Delta R.T. -0.00 min
Lab File: VX005523.D
Acq: 23 Oct 2018 16:14

Tgt Ion	Ratio	Lower	Upper
75	100		
77	31.6	26.2	39.2
39	47.9	36.4	54.6





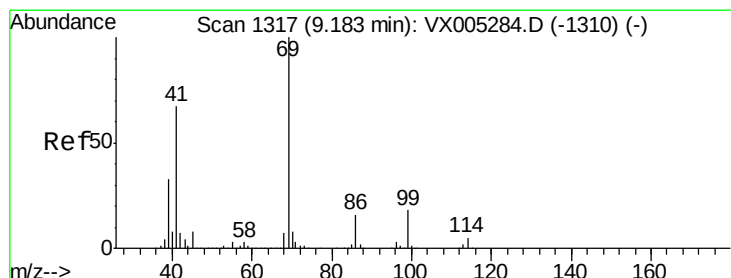
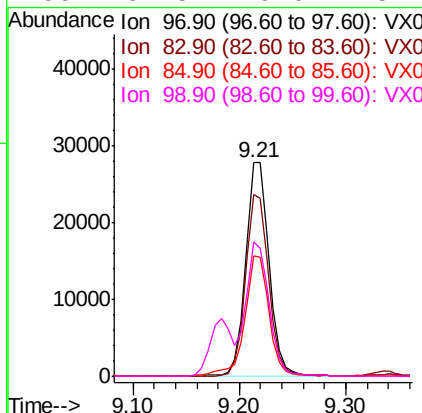
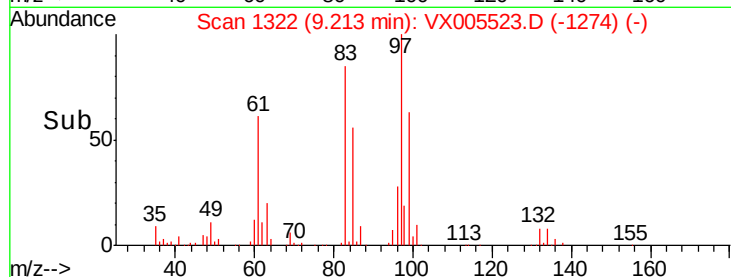
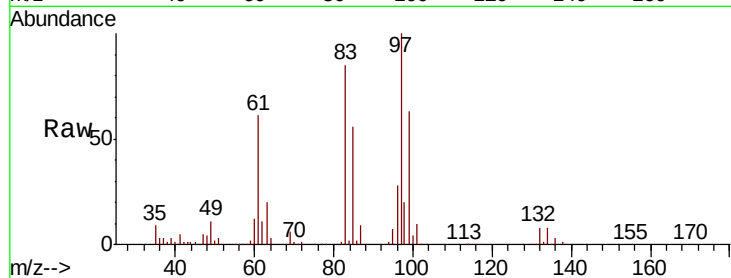
#55
 1,1,2-Trichloroethane
 Concen: 19.843 ug/l
 RT: 9.21 min Scan# 1322
 Delta R.T. -0.01 min
 Lab File: VX005523.D
 Acq: 23 Oct 2018 16:14

Instrument :
 MSVOA_X
 ClientSampleId :
 VX1023WBSD01

Tot Ion	Ratio	Resp	Lower	Upper
97	100	43176		
83	85.1	66.4	99.6	
85	56.0	43.3	64.9	
99	62.5	49.0	73.4	

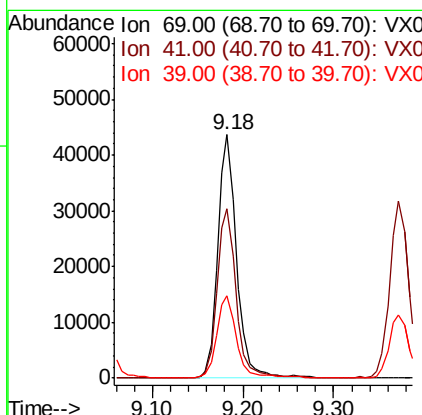
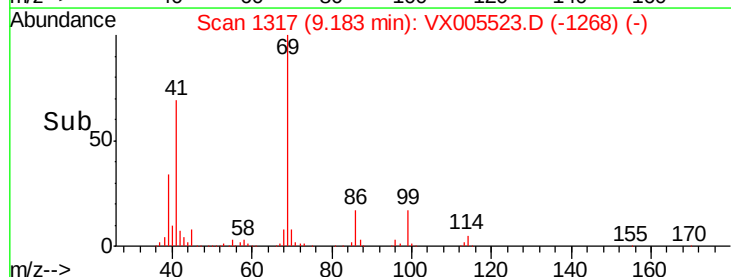
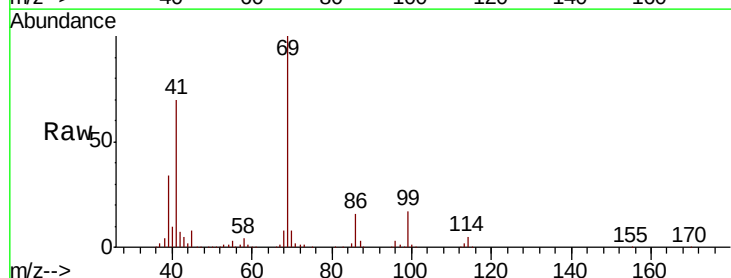
Manual Integrations
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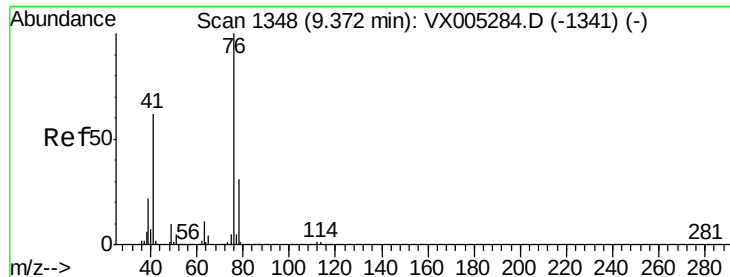
MMDadoda
 10/24/2018 10:02:49 AM



#56
 Ethyl methacrylate
 Concen: 20.002 ug/l
 RT: 9.18 min Scan# 1317
 Delta R.T. -0.00 min
 Lab File: VX005523.D
 Acq: 23 Oct 2018 16:14

Tgt Ion	Ratio	Resp	Lower	Upper
69	100	63445		
41	69.7	51.0	76.4	
39	35.0	26.1	39.1	





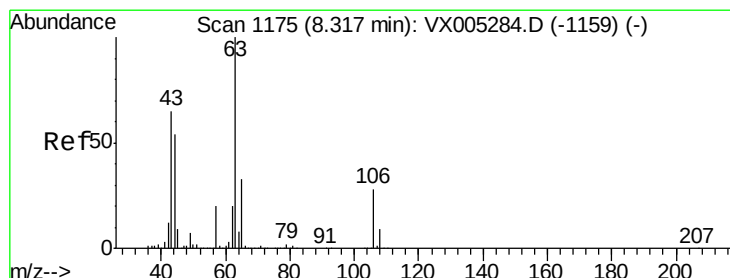
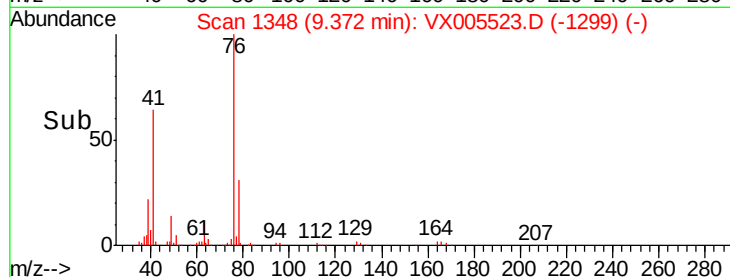
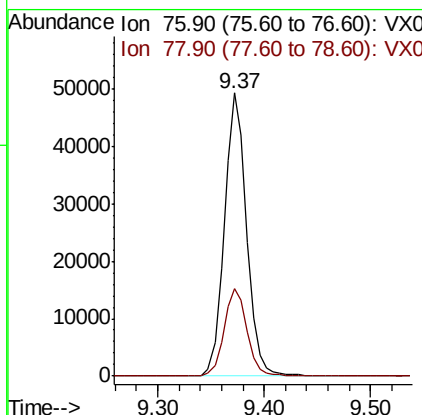
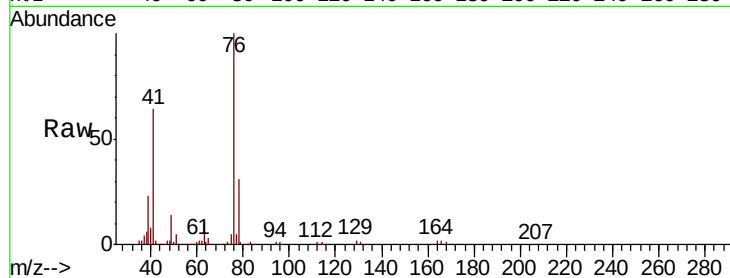
#57
 1,3-Dichloropropane
 Concen: 19.737 ug/l
 RT: 9.37 min Scan# 1348
 Delta R.T. -0.00 min
 Lab File: VX005523.D
 Acq: 23 Oct 2018 16:14

Instrument :
 MSVOA_X
 ClientSampleId :
 VX1023WBSD01

Tot Ion	Ratio	Lower	Upper
76	100		
78	31.7	25.5	38.3

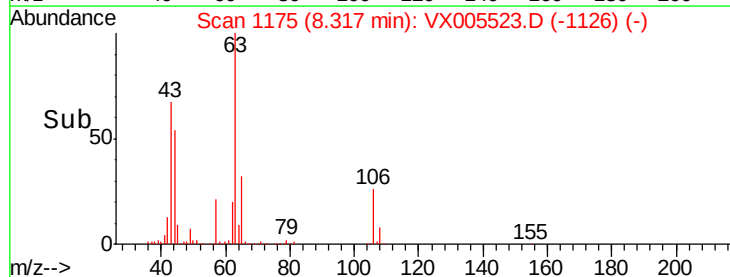
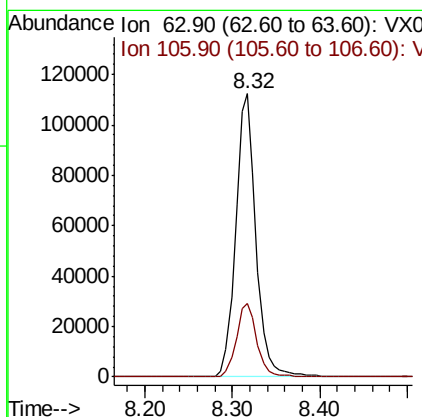
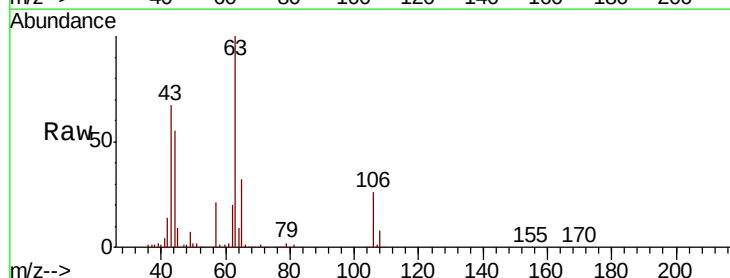
Manual Integrations
 APPROVED

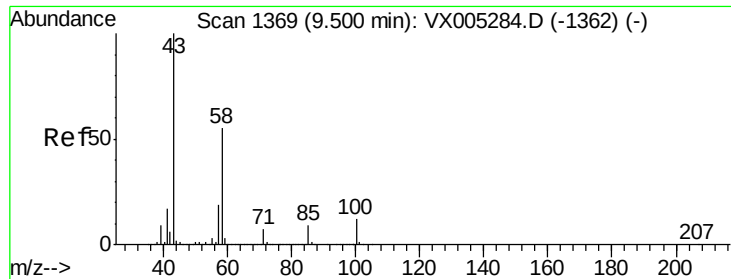
MMDadoda
 10/24/2018 10:02:49 AM



#58
 2-Chloroethyl Vinyl ether
 Concen: 101.905 ug/l
 RT: 8.32 min Scan# 1175
 Delta R.T. -0.00 min
 Lab File: VX005523.D
 Acq: 23 Oct 2018 16:14

Tgt Ion	Ratio	Lower	Upper
63	100		
106	26.3	23.9	35.9





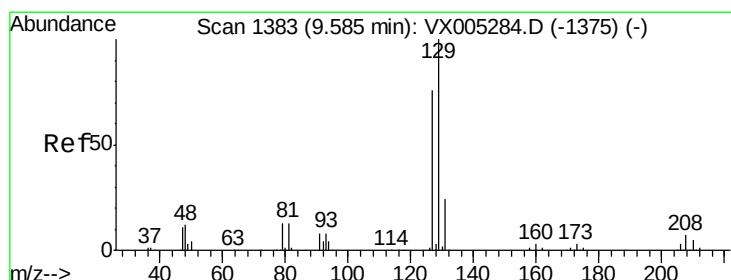
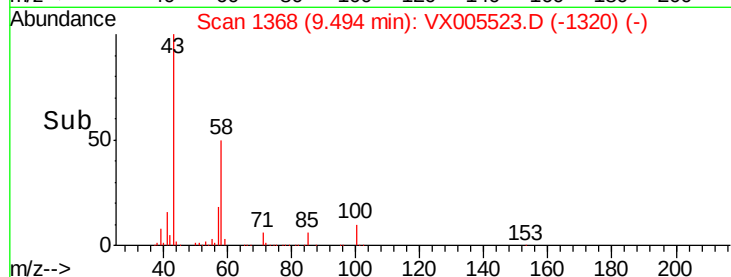
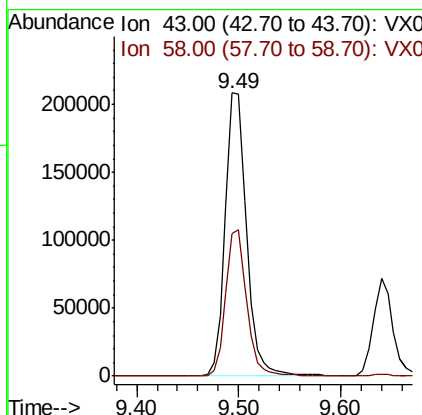
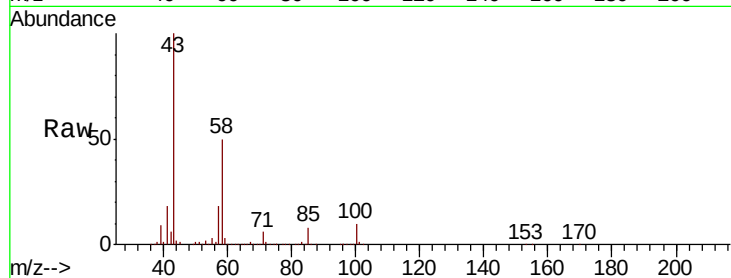
#59
2-Hexanone
Concen: 101.908 ug/l
RT: 9.49 min Scan# 1368
Delta R.T. -0.01 min
Lab File: VX005523.D
Acq: 23 Oct 2018 16:14

Instrument :
MSVOA_X
ClientSampleId :
VX1023WBSD01

Tot Ion: 43 Resp: 304368
Ion Ratio Lower Upper
43 100
58 50.9 29.0 87.0

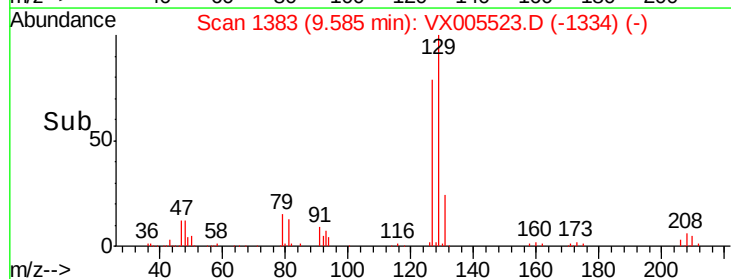
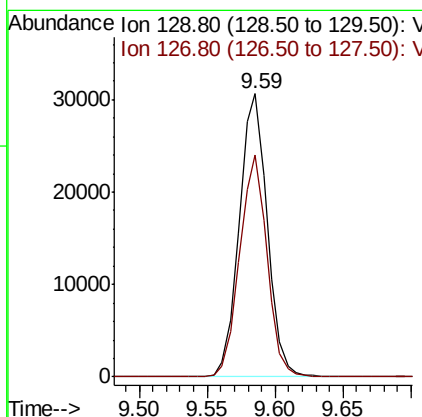
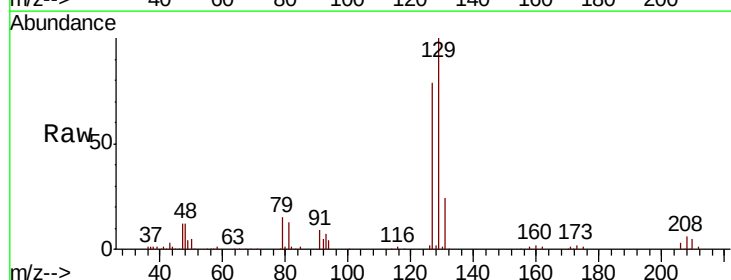
Manual Integrations
APPROVED

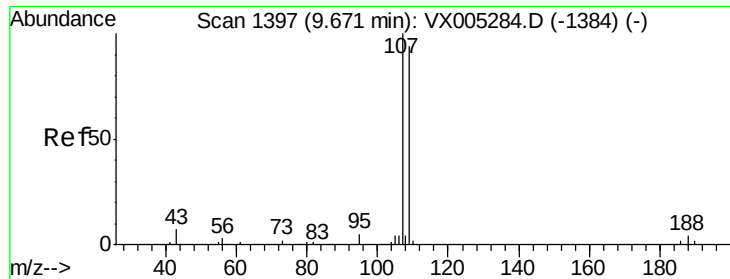
MMDadoda
10/24/2018 10:02:49 AM



#60
Dibromochloromethane
Concen: 19.548 ug/l
RT: 9.59 min Scan# 1383
Delta R.T. -0.00 min
Lab File: VX005523.D
Acq: 23 Oct 2018 16:14

Tgt Ion:129 Resp: 43965
Ion Ratio Lower Upper
129 100
127 76.7 38.5 115.5





#61

1,2-Dibromoethane

Concen: 19.197 ug/l

RT: 9.67 min Scan# 1397

Delta R.T. -0.00 min

Lab File: VX005523.D

Acq: 23 Oct 2018 16:14

Instrument :

MSVOA_X

ClientSampleId :

VX1023WBSD01

Tot Ion:107 Resp: 43836

Ion Ratio Lower Upper

107 100

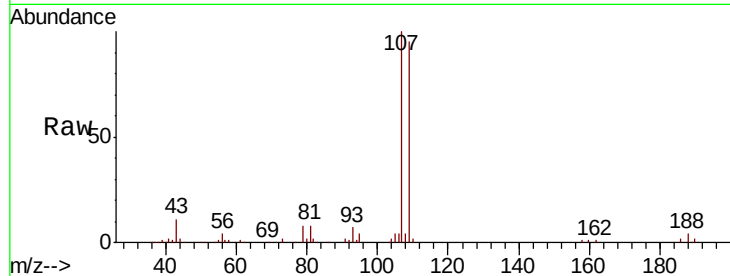
109 95.3 76.0 114.0

Manual Integrations

APPROVED

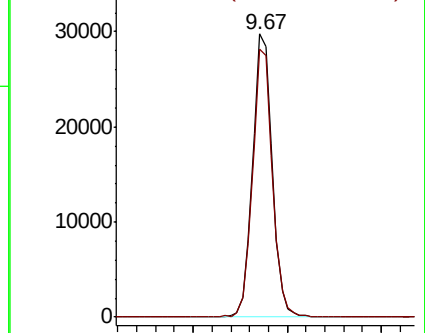
MMDadoda

10/24/2018 10:02:49 AM

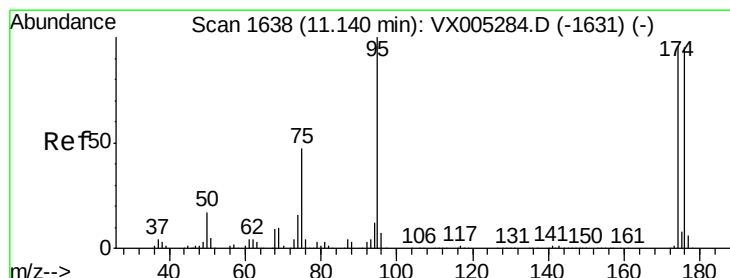
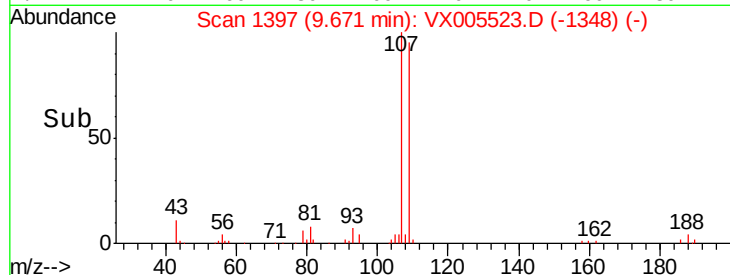


Abundance Ion 106.90 (106.60 to 107.60): V

Ion 108.80 (108.50 to 109.50): V



Time-->



#62

4-Bromofluorobenzene

Concen: 47.577 ug/l

RT: 11.14 min Scan# 1638

Delta R.T. -0.00 min

Lab File: VX005523.D

Acq: 23 Oct 2018 16:14

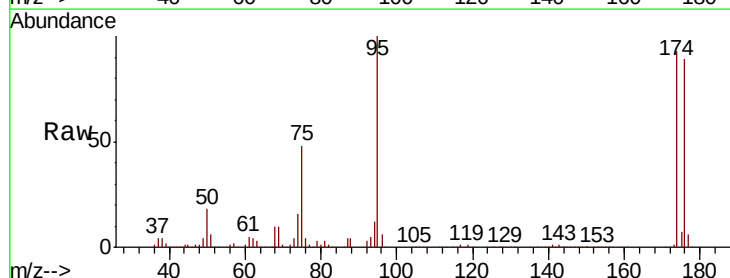
Tgt Ion: 95 Resp: 131347

Ion Ratio Lower Upper

95 100

174 91.7 0.0 185.2

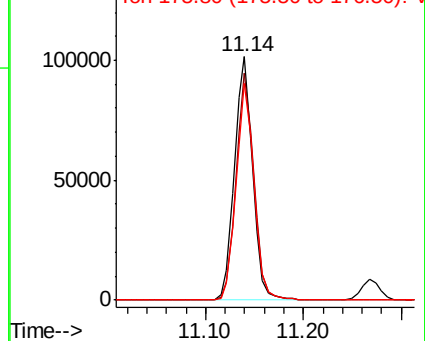
176 87.8 0.0 178.6



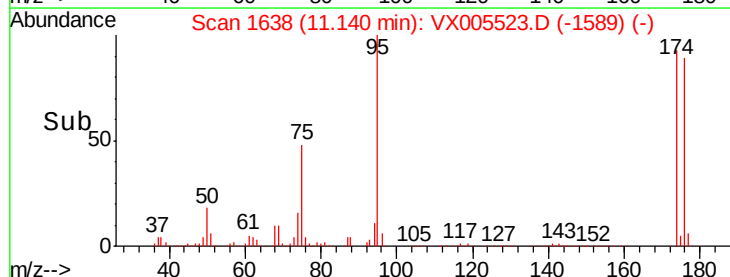
Abundance Ion 94.90 (94.60 to 95.60): VX0

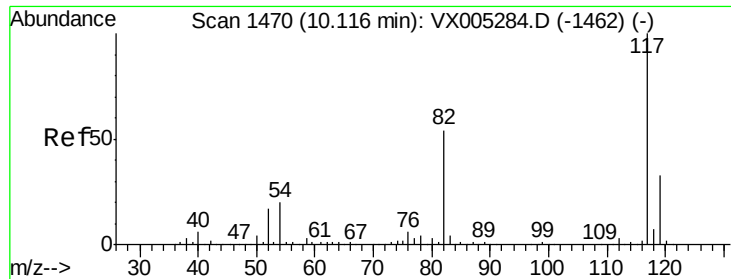
Ion 173.80 (173.50 to 174.50): V

Ion 175.80 (175.50 to 176.50): V



Time-->





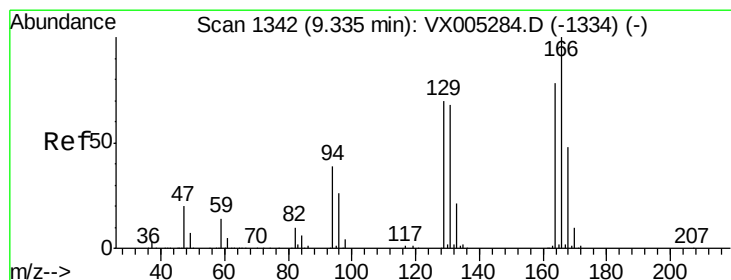
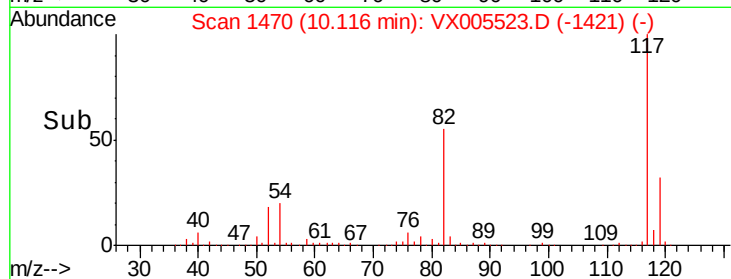
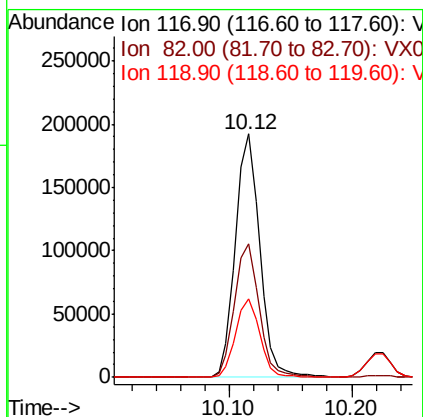
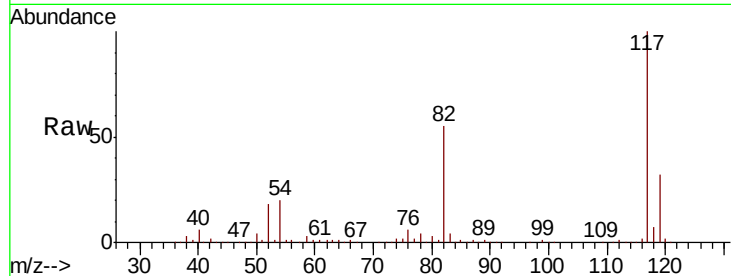
#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 10.12 min Scan# 1470
Delta R.T. -0.00 min
Lab File: VX005523.D
Acq: 23 Oct 2018 16:14

Instrument :
MSVOA_X
ClientSampleId :
VX1023WBSD01

Tot Ion	Ratio	Lower	Upper
117	100		
82	54.7	47.8	71.6
119	32.4	29.3	43.9

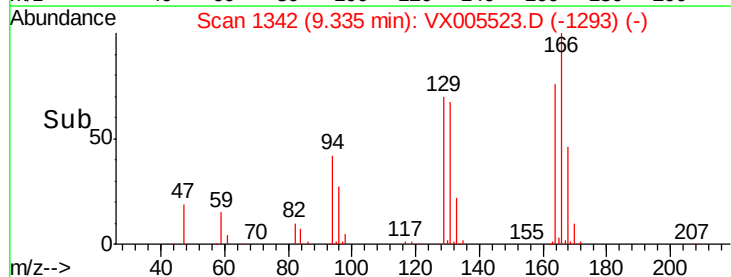
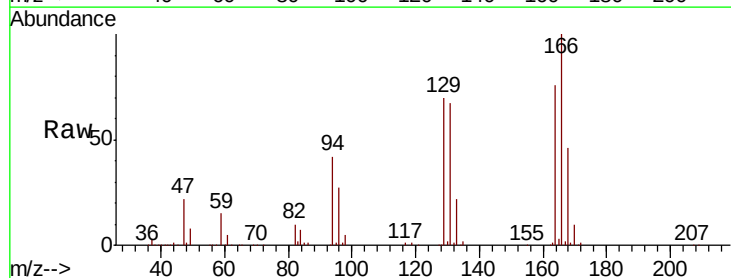
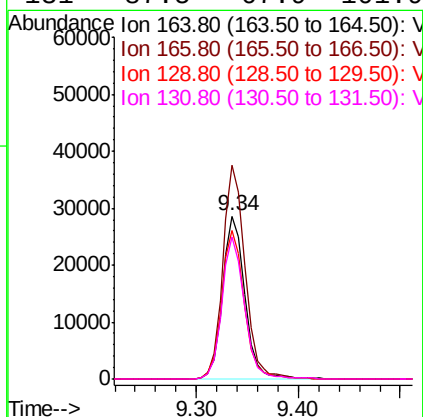
Manual Integrations
APPROVED

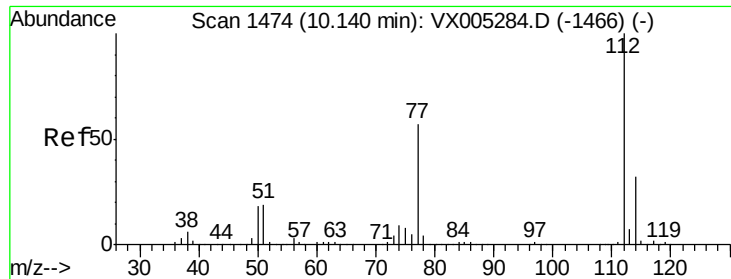
MMDadoda
10/24/2018 10:02:49 AM



#64
Tetrachloroethene
Concen: 20.371 ug/l
RT: 9.34 min Scan# 1342
Delta R.T. -0.00 min
Lab File: VX005523.D
Acq: 23 Oct 2018 16:14

Tgt Ion	Ratio	Lower	Upper
164	100		
166	130.9	102.8	154.2
129	91.0	69.4	104.0
131	87.5	67.9	101.9





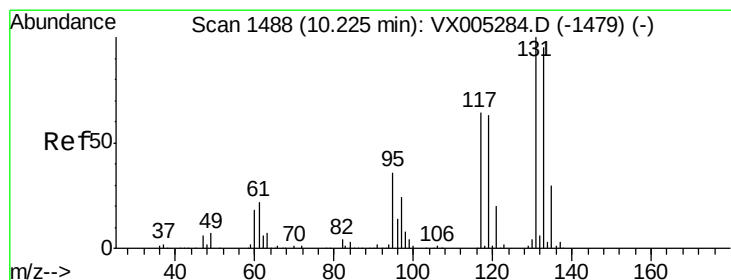
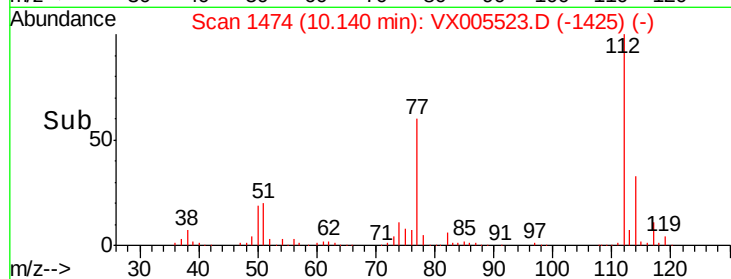
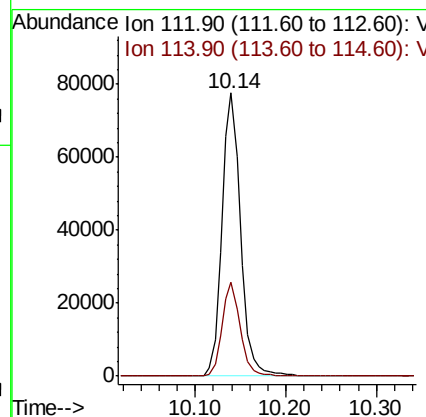
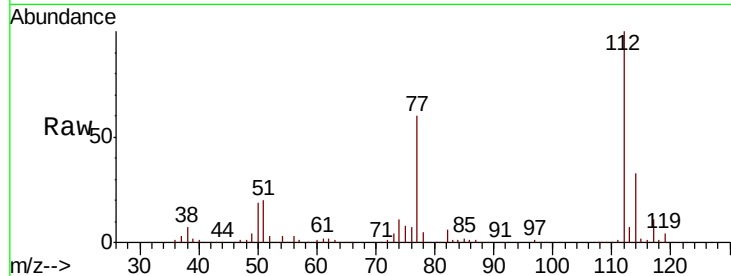
#65
Chlorobenzene
Concen: 19.713 ug/l
RT: 10.14 min Scan# 1474
Delta R.T. -0.00 min
Lab File: VX005523.D
Acq: 23 Oct 2018 16:14

Instrument :
MSVOA_X
ClientSampleId :
VX1023WBSD01

Tot Ion:112 Resp: 111548
Ion Ratio Lower Upper
112 100
114 33.3 27.8 41.8

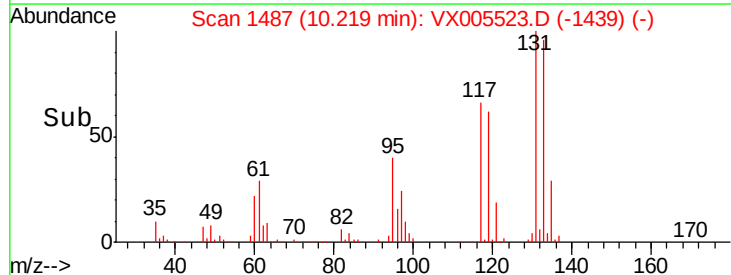
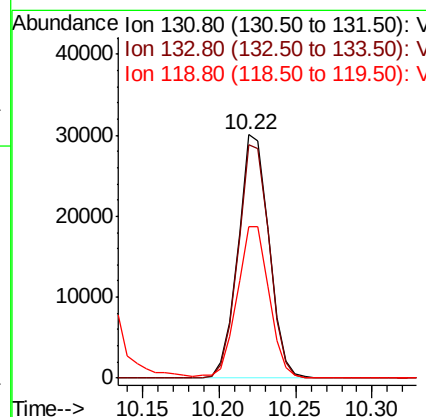
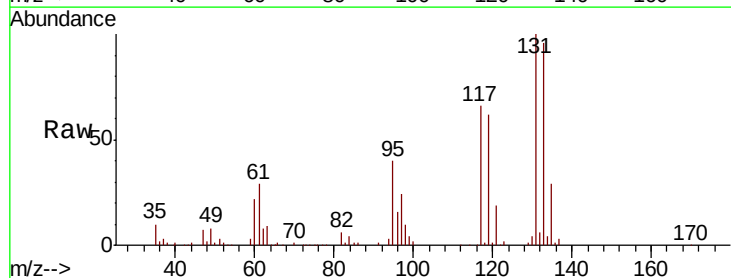
Manual Integrations
APPROVED

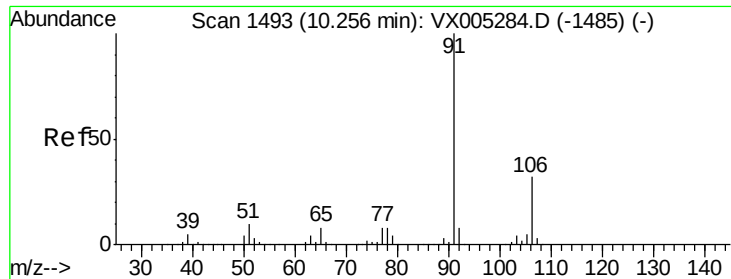
MMDadoda
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#66
1,1,1,2-Tetrachloroethane
Concen: 20.865 ug/l
RT: 10.22 min Scan# 1487
Delta R.T. -0.01 min
Lab File: VX005523.D
Acq: 23 Oct 2018 16:14

Tgt Ion:131 Resp: 42074
Ion Ratio Lower Upper
131 100
133 96.6 48.1 144.4
119 64.9 32.9 98.6





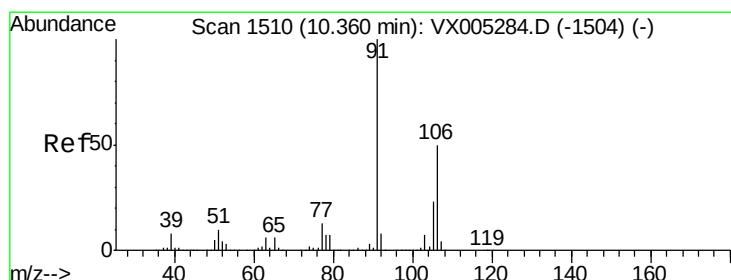
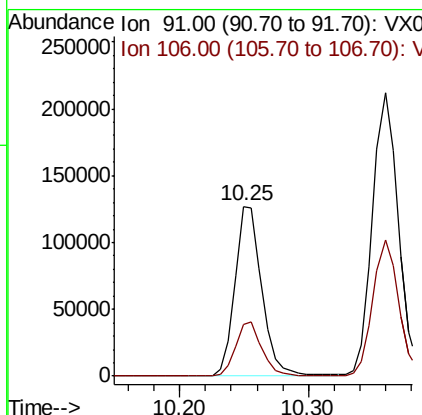
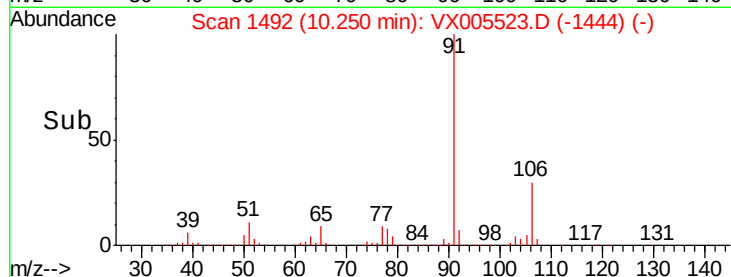
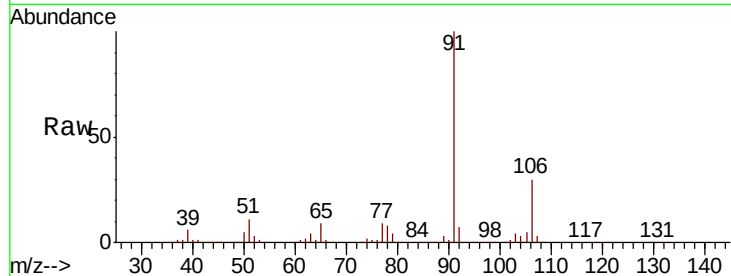
#67
Ethyl Benzene
Concen: 20.175 ug/l
RT: 10.25 min Scan# 1492
Delta R.T. -0.01 min
Lab File: VX005523.D
Acq: 23 Oct 2018 16:14

Instrument :
MSVOA_X
ClientSampleId :
VX1023WBSD01

Tot Ion: 91 Resp: 185590
Ion Ratio Lower Upper
91 100
106 30.3 25.9 38.9

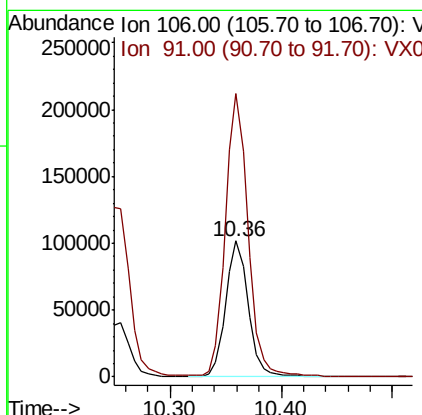
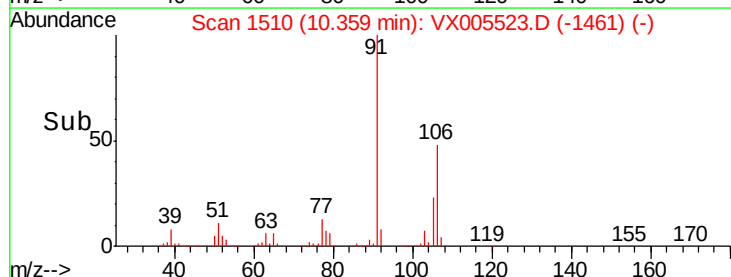
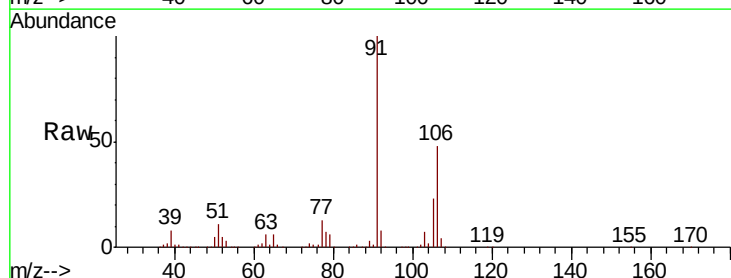
Manual Integrations
APPROVED

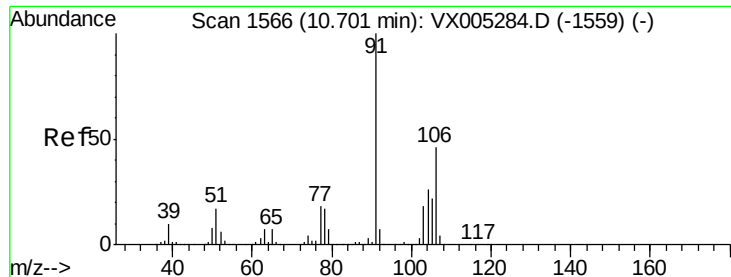
MMDadoda
10/24/2018 10:02:49 AM



#68
m/p-Xylenes
Concen: 39.938 ug/l
RT: 10.36 min Scan# 1510
Delta R.T. -0.00 min
Lab File: VX005523.D
Acq: 23 Oct 2018 16:14

Tgt Ion: 106 Resp: 142598
Ion Ratio Lower Upper
106 100
91 210.2 157.1 235.7





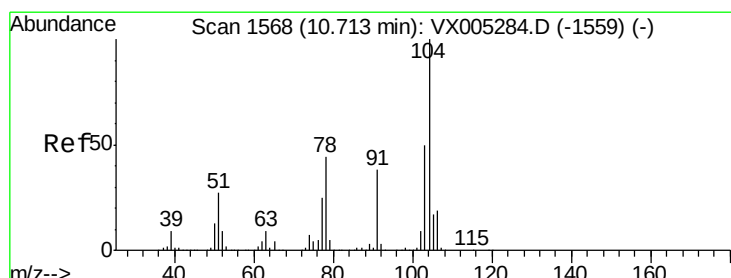
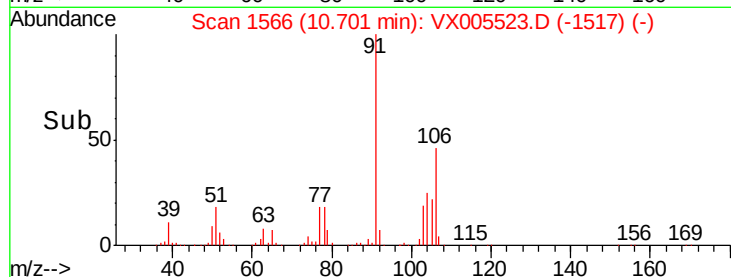
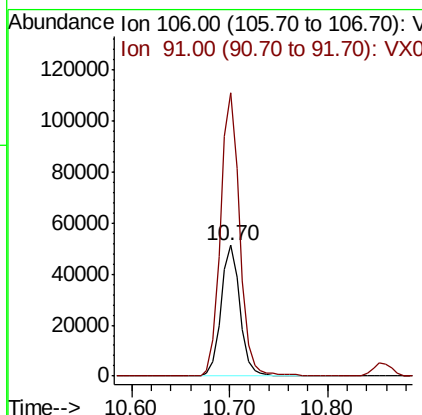
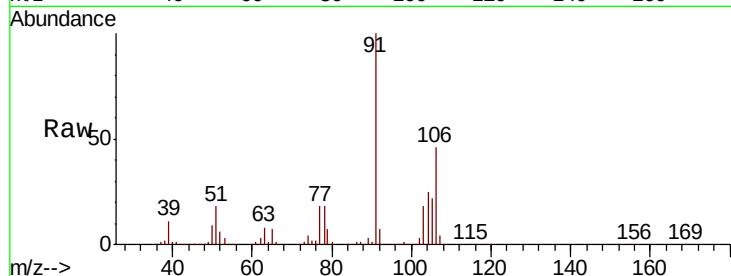
#69
o-Xylene
Concen: 20.152 ug/l
RT: 10.70 min Scan# 1566
Delta R.T. -0.00 min
Lab File: VX005523.D
Acq: 23 Oct 2018 16:14

Instrument :
MSVOA_X
ClientSampleId :
VX1023WBSD01

Tot Ion	Ion	Ratio	Lower	Upper
106	100			
91	218.0	105.1	315.1	

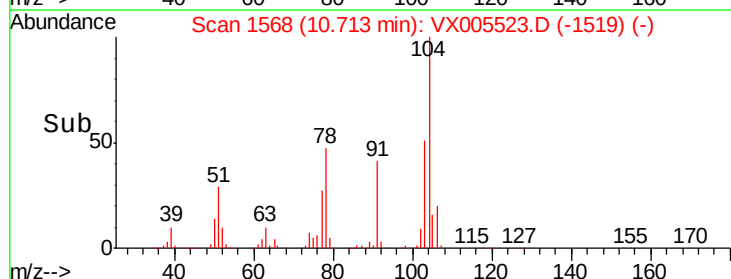
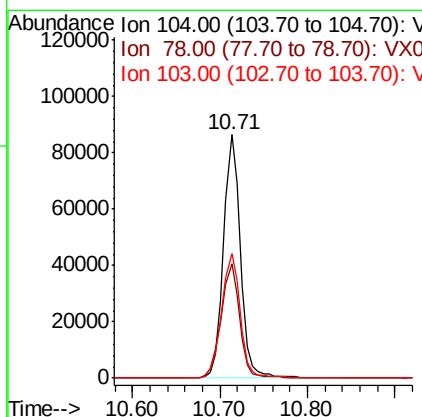
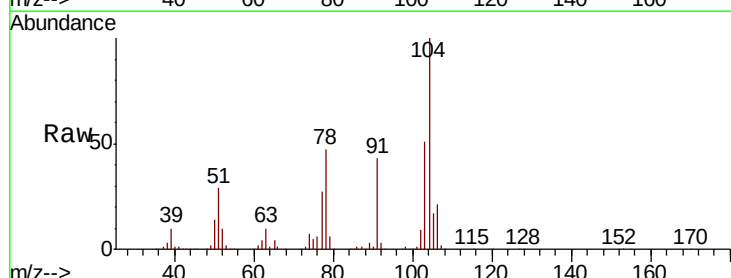
Manual Integrations
APPROVED

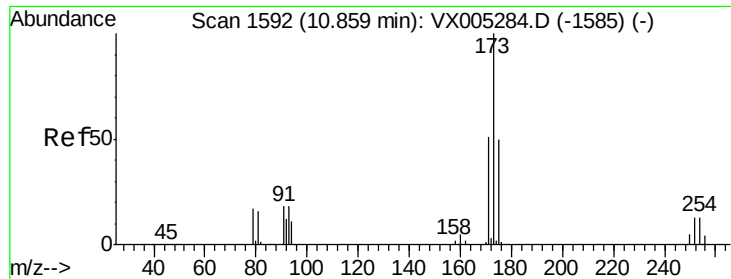
MMDadoda
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#70
Styrene
Concen: 20.359 ug/l
RT: 10.71 min Scan# 1568
Delta R.T. -0.00 min
Lab File: VX005523.D
Acq: 23 Oct 2018 16:14

Tgt Ion	Ion	Ratio	Lower	Upper
104	100			
78	51.8	37.4	56.0	
103	56.7	43.8	65.6	





#71

Bromoform

Concen: 19.579 ug/l

RT: 10.86 min Scan# 1592

Delta R.T. -0.00 min

Lab File: VX005523.D

Acq: 23 Oct 2018 16:14

Instrument :

MSVOA_X

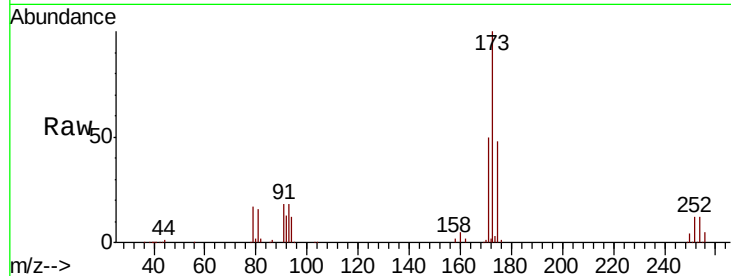
ClientSampleId :

VX1023WBSD01

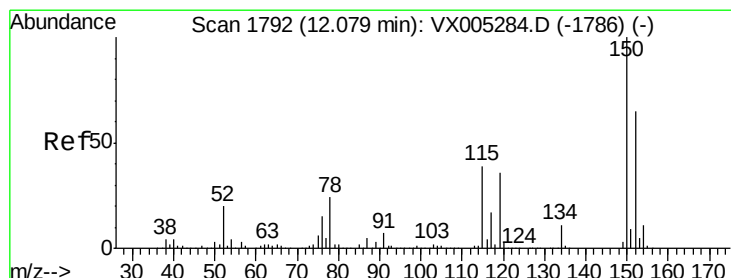
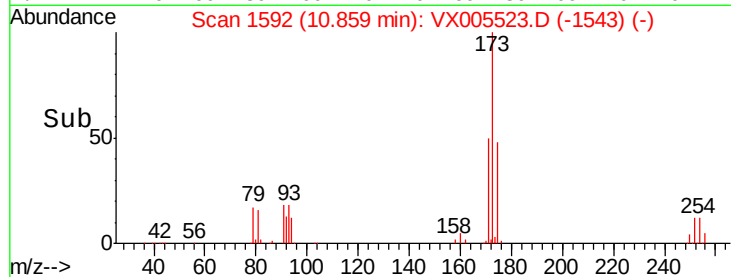
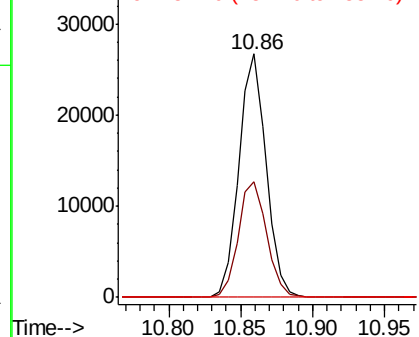
Tot Ion:	173	Resp:	35282
Ion Ratio	Lower	Upper	
173	100		
175	49.3	24.1	72.3
254	0.2	0.2	0.2

Manual Integrations
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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

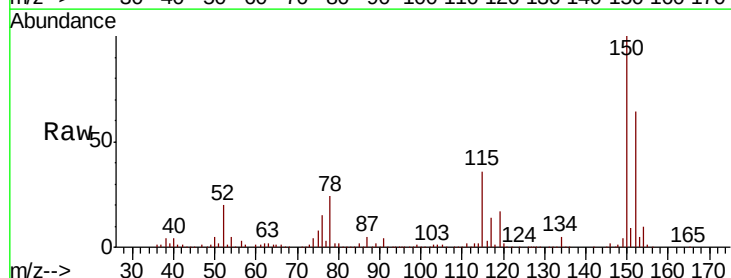
RT: 12.08 min Scan# 1792

Delta R.T. -0.00 min

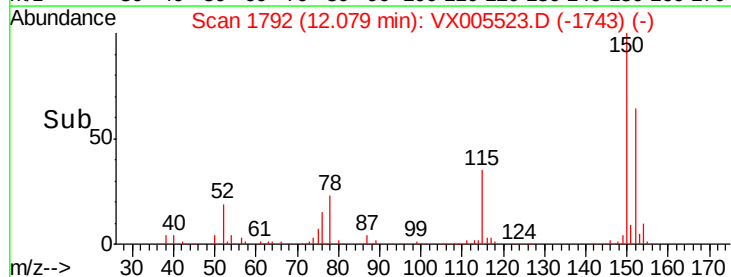
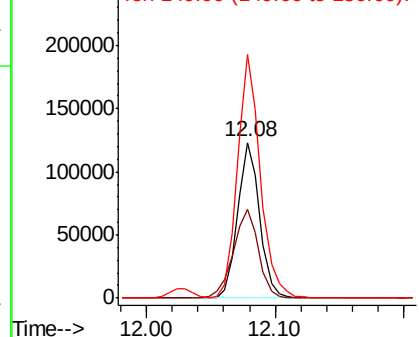
Lab File: VX005523.D

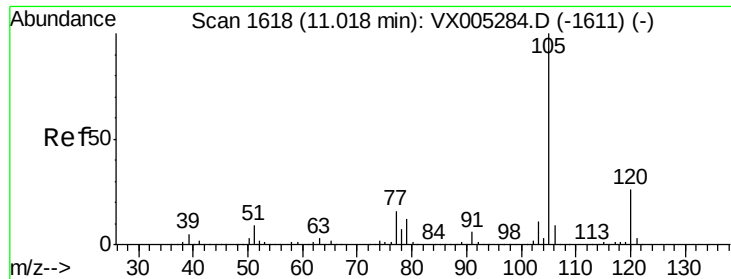
Acq: 23 Oct 2018 16:14

Tgt Ion:	152	Resp:	147240
Ion Ratio	Lower	Upper	
152	100		
115	64.9	39.0	117.0
150	162.7	0.0	351.0



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: 22.112 ug/l

RT: 11.02 min Scan# 1618

Delta R.T. -0.00 min

Lab File: VX005523.D

Acq: 23 Oct 2018 16:14

Instrument :

MSVOA_X

ClientSampleId :

VX1023WBSD01

Tot Ion:105 Resp: 193548

Ion Ratio Lower Upper

105 100

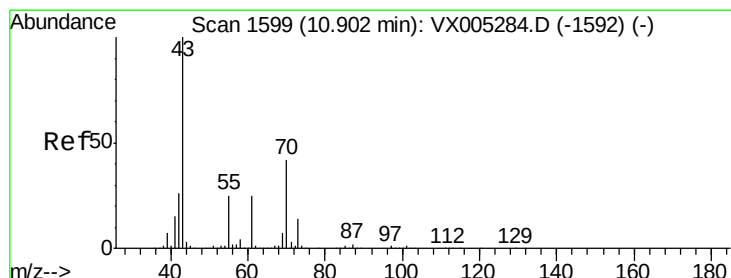
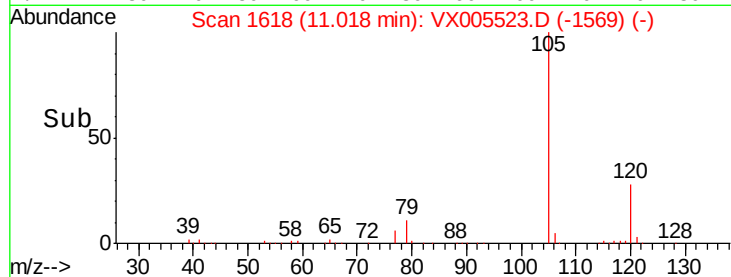
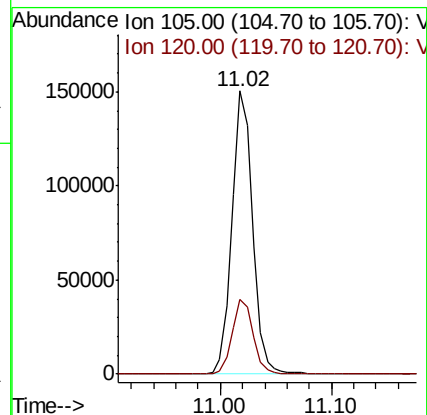
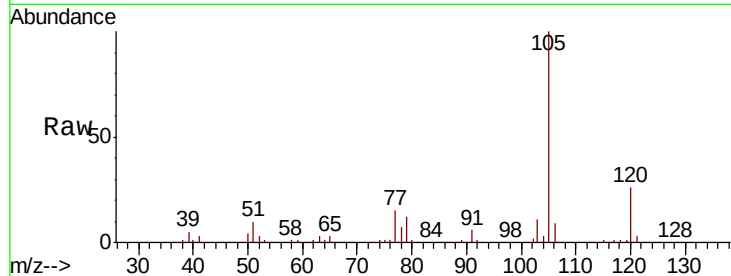
120 26.6 13.5 40.4

Manual Integrations

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#74

N-ethyl acetate

Concen: 22.189 ug/l

RT: 10.90 min Scan# 1598

Delta R.T. -0.01 min

Lab File: VX005523.D

Acq: 23 Oct 2018 16:14

Tgt Ion: 43 Resp: 93675

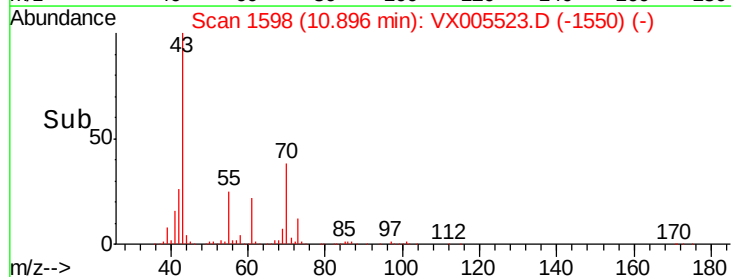
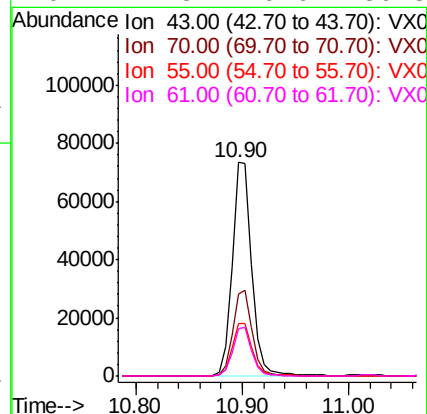
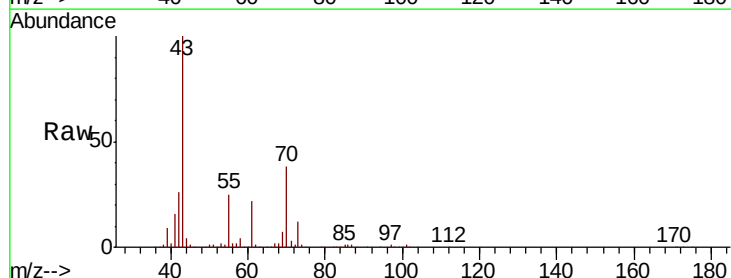
Ion Ratio Lower Upper

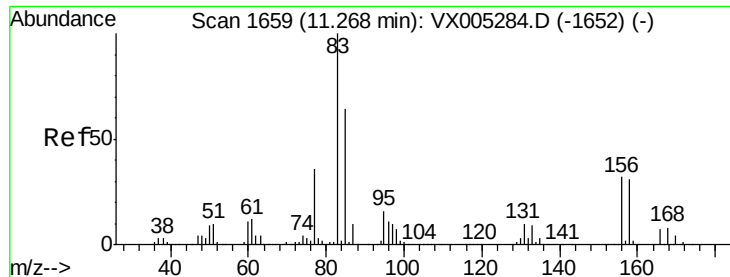
43 100

70 40.0 37.4 56.0

55 25.9 21.8 32.8

61 22.8 20.6 30.8





#75

1,1,2,2-Tetrachloroethane

Concen: 21.159 ug/l

RT: 11.27 min Scan# 1659

Delta R.T. -0.00 min

Lab File: VX005523.D

Acq: 23 Oct 2018 16:14

Instrument :

MSVOA_X

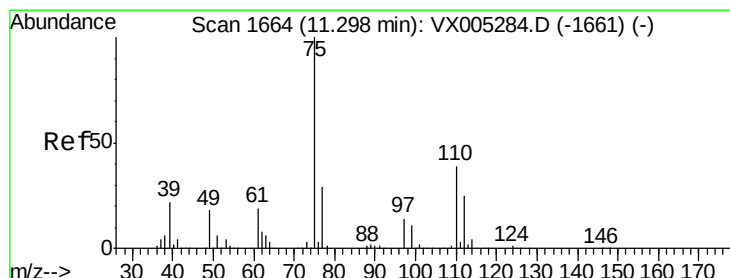
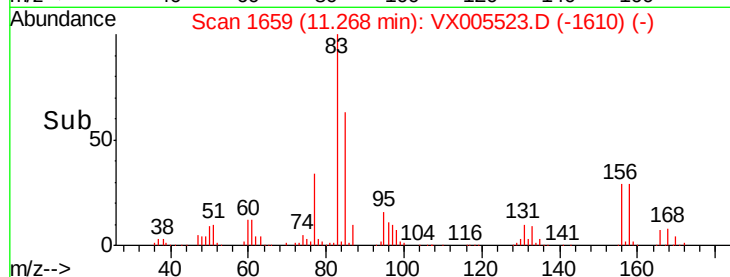
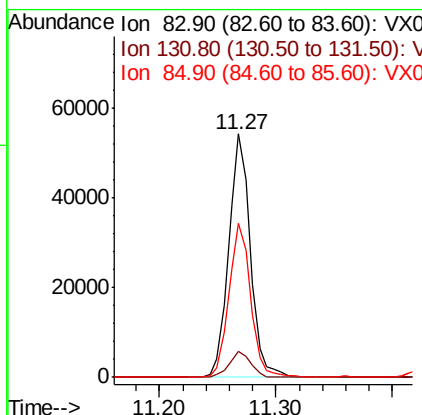
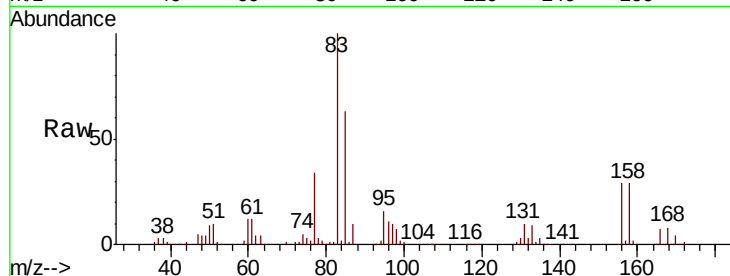
ClientSampleId :

VX1023WBSD01

Tot Ion:	83	Resp:	69864
Ion	Ratio	Lower	Upper
83	100		
131	10.6	5.2	15.6
85	63.6	32.3	96.8

Manual Integrations
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10/24/2018 10:02:49 AM



#76

1,2,3-Trichloropropane

Concen: 23.380 ug/l m

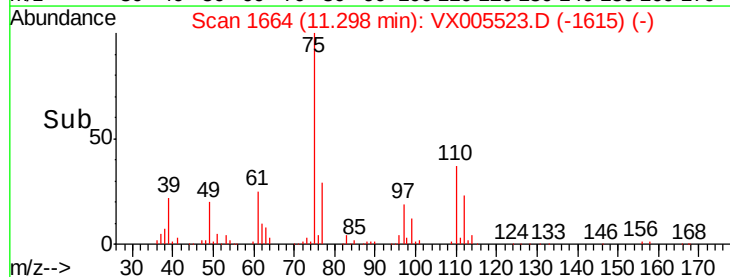
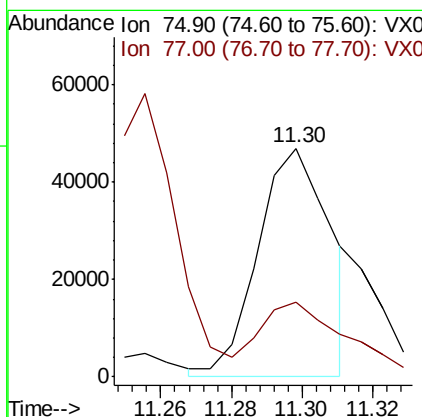
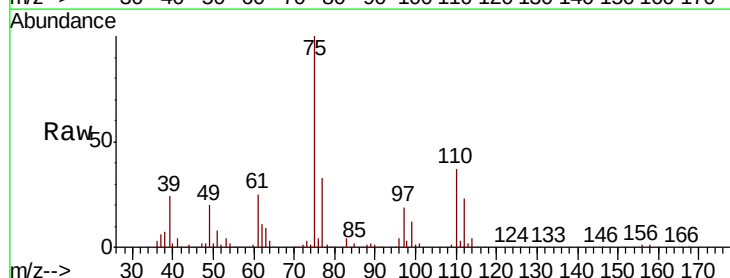
RT: 11.30 min Scan# 1664

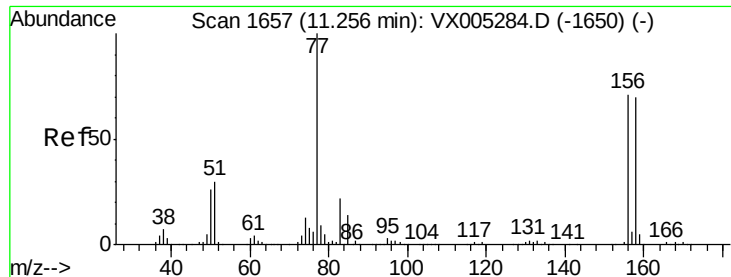
Delta R.T. -0.00 min

Lab File: VX005523.D

Acq: 23 Oct 2018 16:14

Tgt Ion:	75	Resp:	66774
Ion	Ratio	Lower	Upper
75	100		
77	39.4	20.2	60.6





#77

Bromobenzene

Concen: 20.416 ug/l

RT: 11.26 min Scan# 1657

Delta R.T. -0.00 min

Lab File: VX005523.D

Acq: 23 Oct 2018 16:14

Instrument :

MSVOA_X

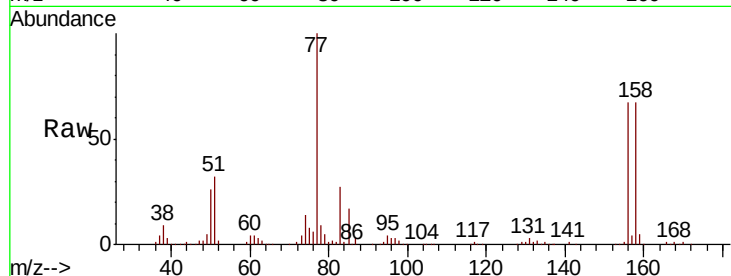
ClientSampleId :

VX1023WBSD01

Tot Ion:	156	Resp:	51095
Ion	Ratio	Lower	Upper
156	100		
77	152.2	71.5	214.3
158	98.9	48.9	146.8

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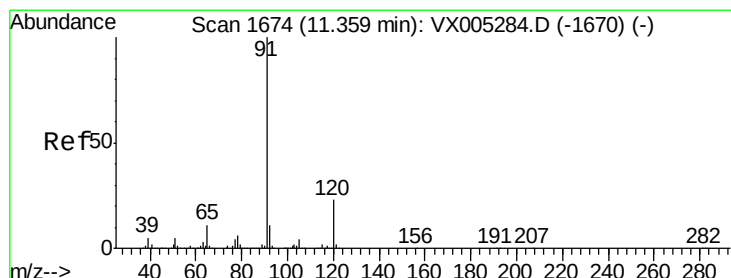
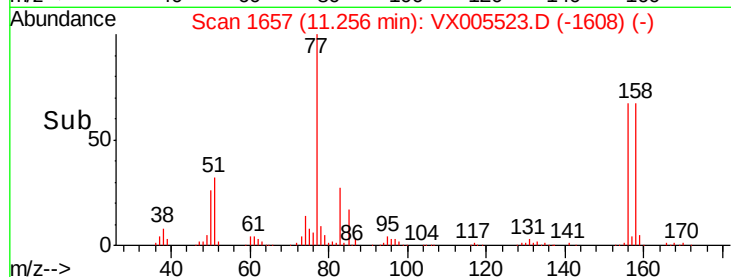
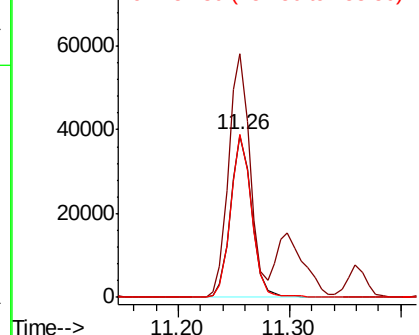


Abundance

Ion 155.80 (155.50 to 156.50): V

Ion 77.00 (76.70 to 77.70): VX0

Ion 157.80 (157.50 to 158.50): V



#78

n-propylbenzene

Concen: 21.826 ug/l

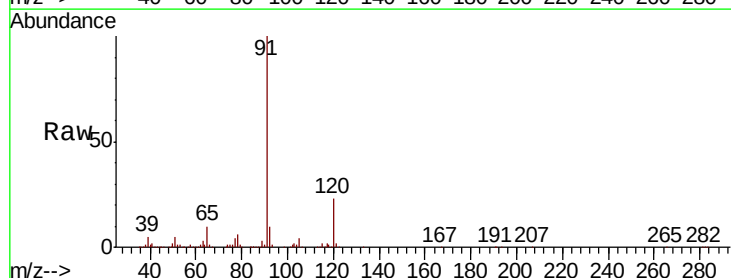
RT: 11.36 min Scan# 1674

Delta R.T. -0.00 min

Lab File: VX005523.D

Acq: 23 Oct 2018 16:14

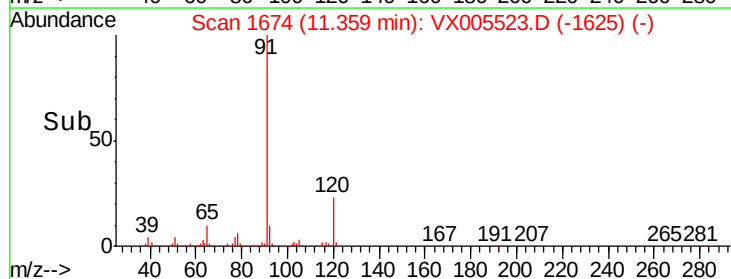
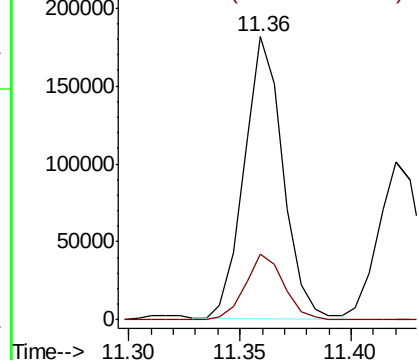
Tgt Ion:	91	Resp:	219840
Ion	Ratio	Lower	Upper
91	100		
120	23.6	11.9	35.9

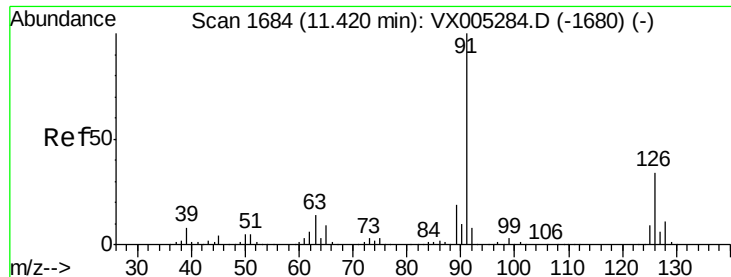


Abundance

Ion 91.00 (90.70 to 91.70): VX0

Ion 120.00 (119.70 to 120.70): V





#79

2-Chlorotoluene

Concen: 21.490 ug/l

RT: 11.42 min Scan# 1684

Delta R.T. -0.00 min

Lab File: VX005523.D

Acq: 23 Oct 2018 16:14

Instrument :

MSVOA_X

ClientSampleId :

VX1023WBSD01

Tot Ion: 91 Resp: 132567

Ion Ratio Lower Upper

91 100

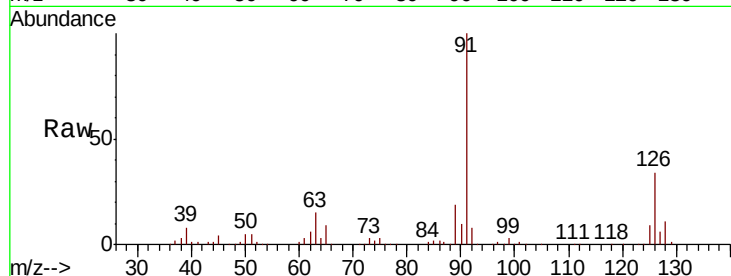
126 34.8 17.9 53.7

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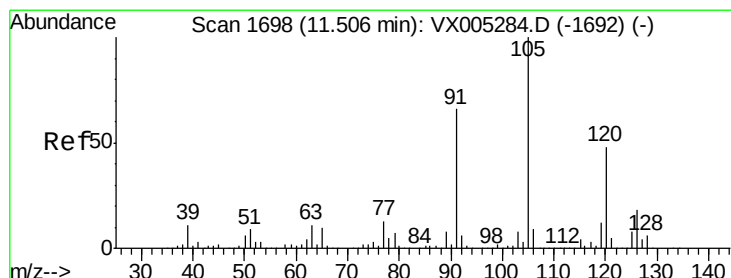
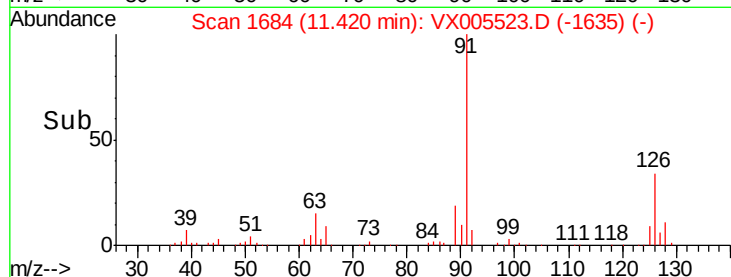
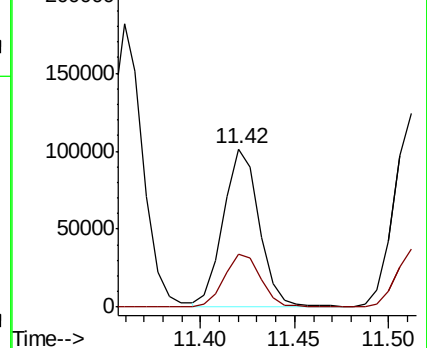
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Abundance Ion 91.00 (90.70 to 91.70): VX005284.D (-1680) (-)

Ion 125.90 (125.60 to 126.60): VX005284.D (-1680) (-)



#80

1,3,5-Trimethylbenzene

Concen: 21.614 ug/l

RT: 11.51 min Scan# 1698

Delta R.T. -0.00 min

Lab File: VX005523.D

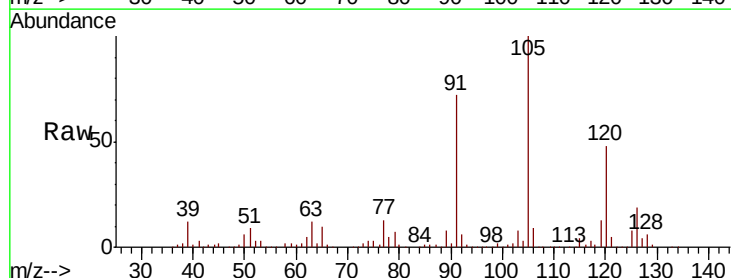
Acq: 23 Oct 2018 16:14

Tgt Ion: 105 Resp: 162009

Ion Ratio Lower Upper

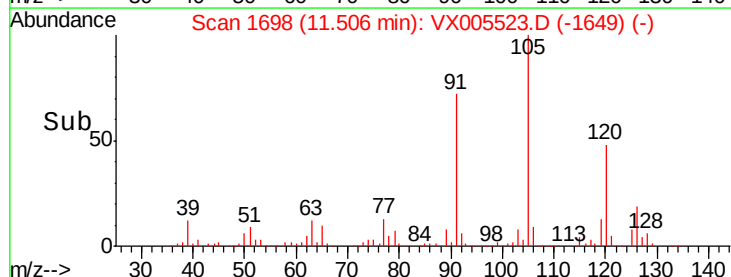
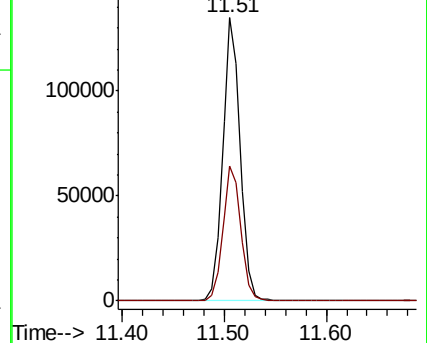
105 100

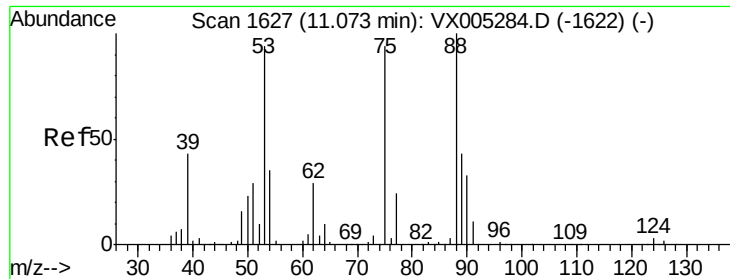
120 48.9 25.6 76.8



Abundance Ion 105.00 (104.70 to 105.70): VX005284.D (-1692) (-)

Ion 120.00 (119.70 to 120.70): VX005284.D (-1692) (-)





#81

trans-1,4-Dichloro-2-butene

Concen: 20.608 ug/l

RT: 11.07 min Scan# 1627

Delta R.T. -0.00 min

Lab File: VX005523.D

Acq: 23 Oct 2018 16:14

Instrument :

MSVOA_X

ClientSampleId :

VX1023WBSD01

Tot Ion: 75 Resp: 19371

Ion Ratio Lower Upper

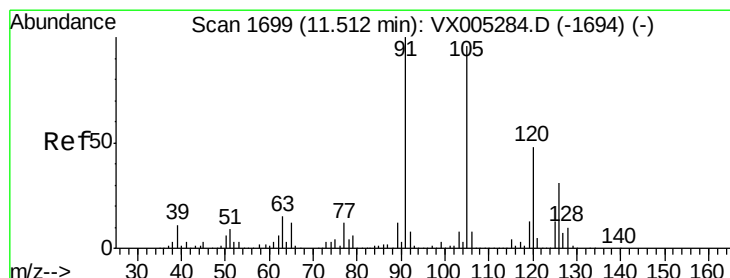
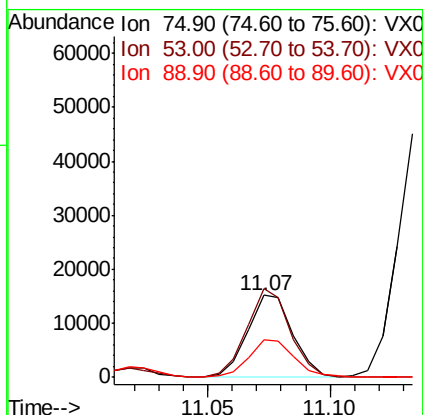
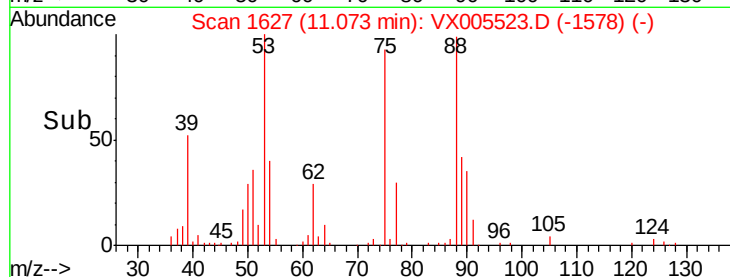
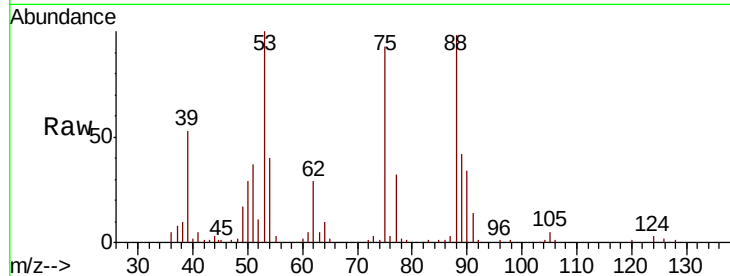
75 100

53 105.7 80.1 120.1

89 46.5 37.2 55.8

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#82

4-Chlorotoluene

Concen: 21.398 ug/l

RT: 11.51 min Scan# 1699

Delta R.T. -0.00 min

Lab File: VX005523.D

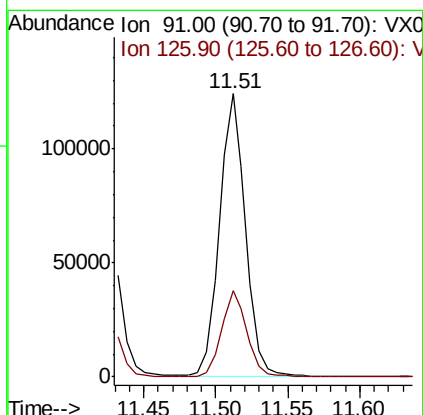
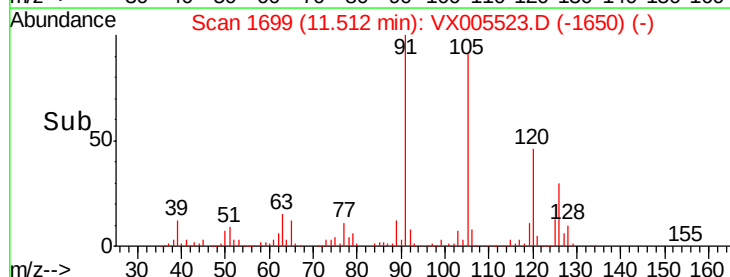
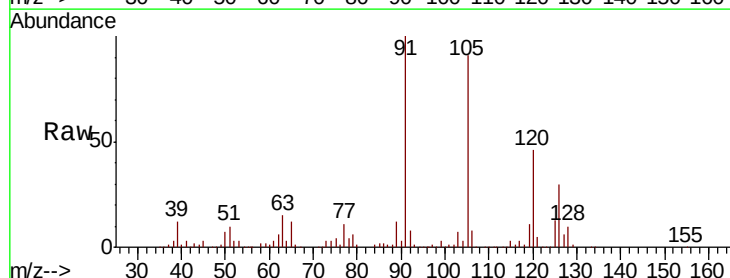
Acq: 23 Oct 2018 16:14

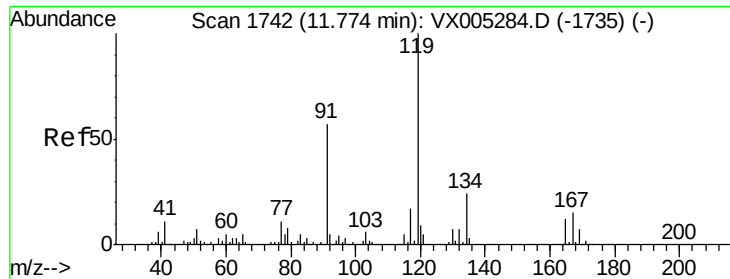
Tgt Ion: 91 Resp: 156474

Ion Ratio Lower Upper

91 100

126 30.0 15.5 46.5





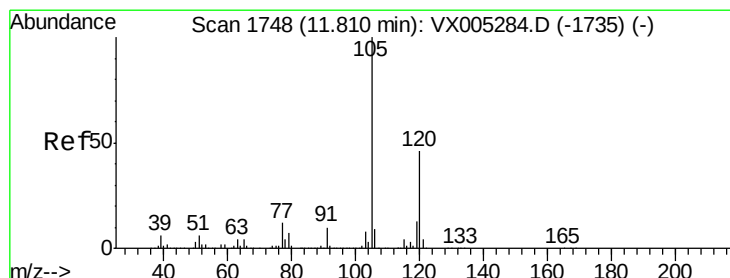
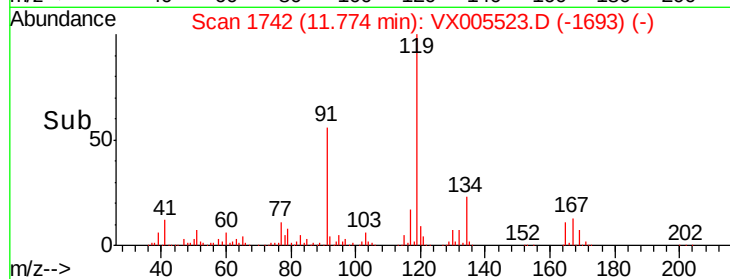
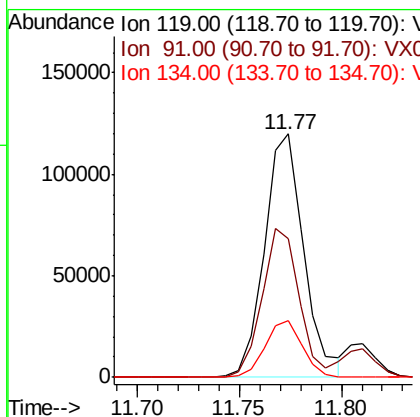
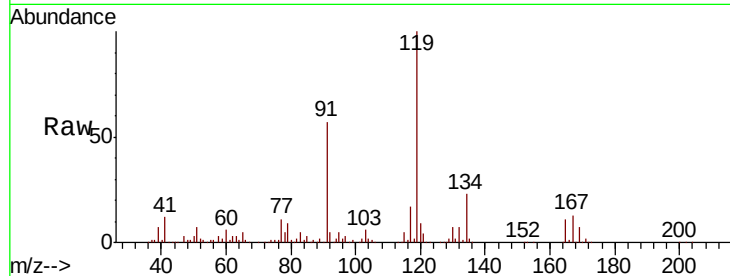
#83
 tert-Butylbenzene
 Concen: 21.173 ug/l
 RT: 11.77 min Scan# 1742
 Delta R.T. -0.00 min
 Lab File: VX005523.D
 Acq: 23 Oct 2018 16:14

Instrument :
 MSVOA_X
 ClientSampleId :
 VX1023WBSD01

Tot Ion	Ratio	Lower	Upper
119	100		
91	57.8	27.0	81.0
134	22.5	11.7	35.1

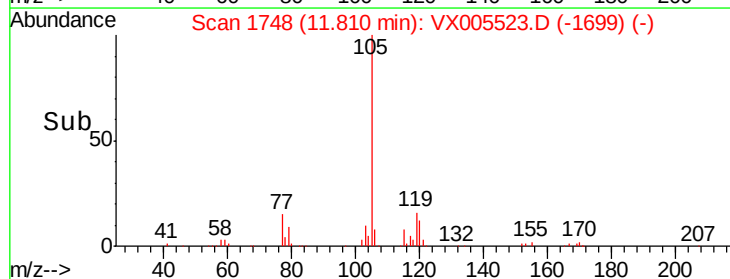
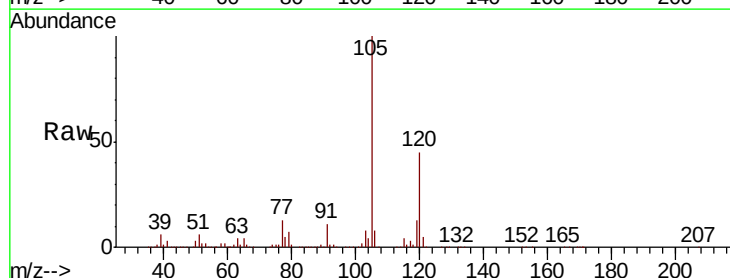
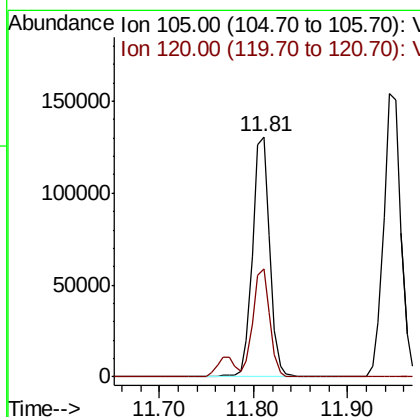
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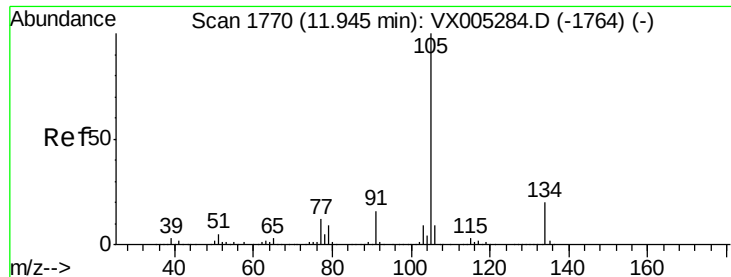
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#84
 1,2,4-Trimethylbenzene
 Concen: 21.856 ug/l
 RT: 11.81 min Scan# 1748
 Delta R.T. -0.00 min
 Lab File: VX005523.D
 Acq: 23 Oct 2018 16:14

Tgt Ion	Ratio	Lower	Upper
105	100		
120	44.1	23.2	69.6





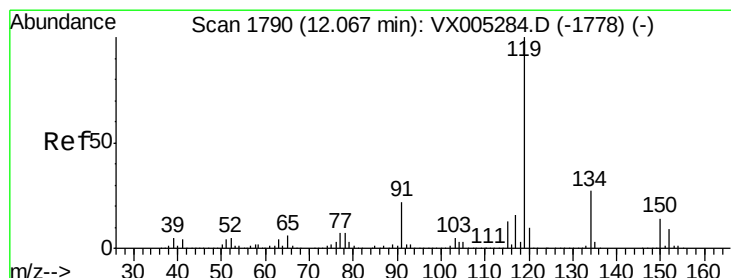
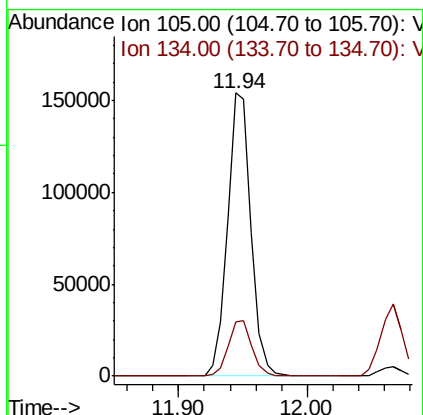
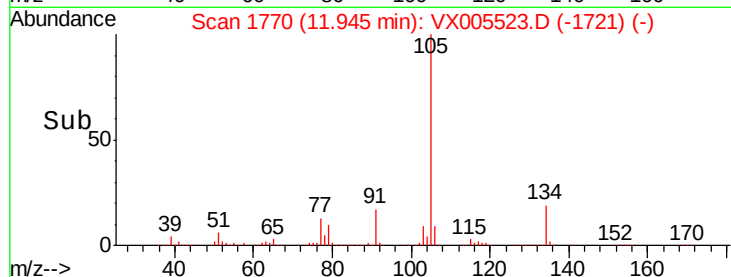
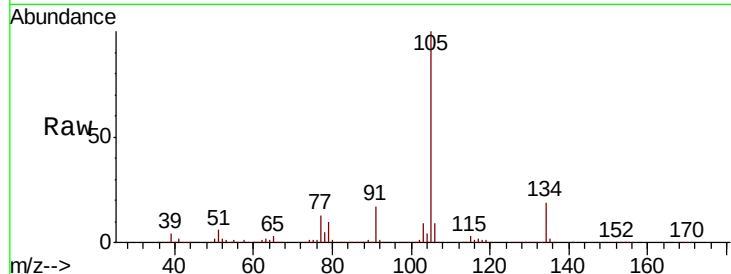
#85
 sec-Butylbenzene
 Concen: 21.912 ug/l
 RT: 11.94 min Scan# 1770
 Delta R.T. -0.00 min
 Lab File: VX005523.D
 Acq: 23 Oct 2018 16:14

Instrument :
 MSVOA_X
 ClientSampleId :
 VX1023WBSD01

Tot Ion	Ratio	Resp	Lower	Upper
105	100	196831		
134	19.8	10.5	31.5	

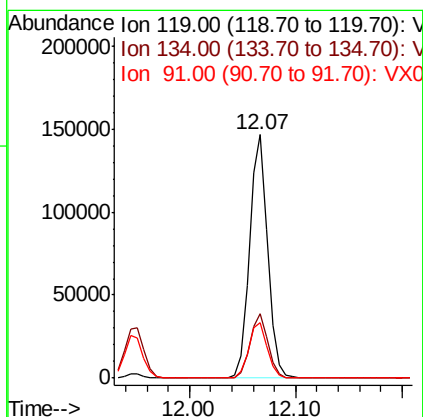
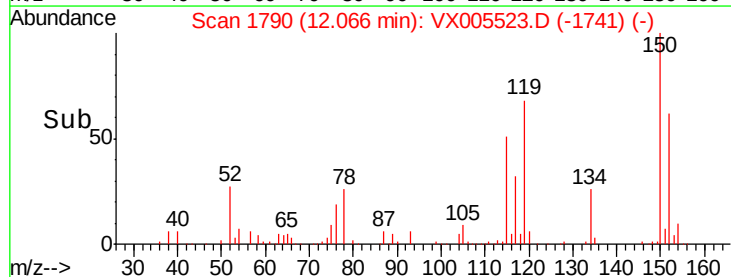
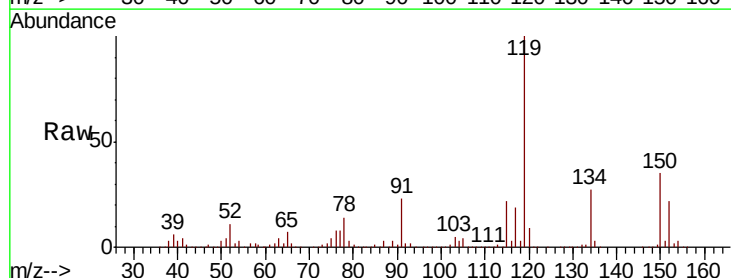
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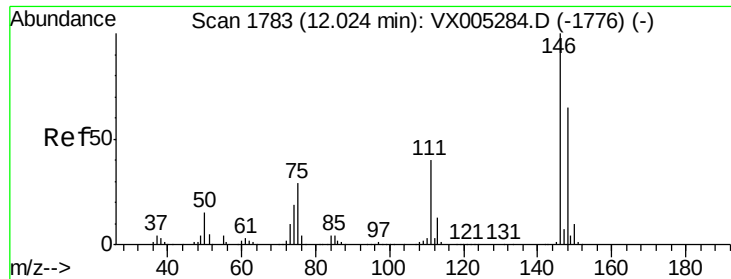
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#86
 p-Isopropyltoluene
 Concen: 21.434 ug/l
 RT: 12.07 min Scan# 1790
 Delta R.T. -0.00 min
 Lab File: VX005523.D
 Acq: 23 Oct 2018 16:14

Tgt Ion	Ratio	Resp	Lower	Upper
119	100	174024		
134	26.5	13.4	40.2	
91	23.5	10.9	32.7	





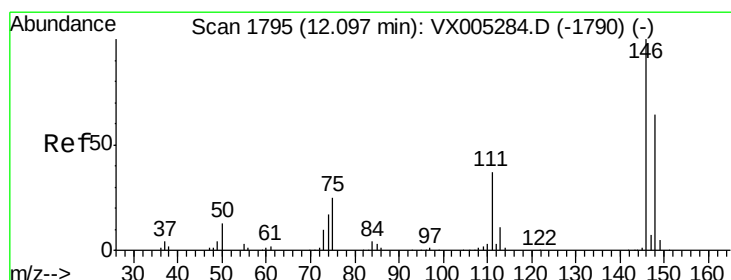
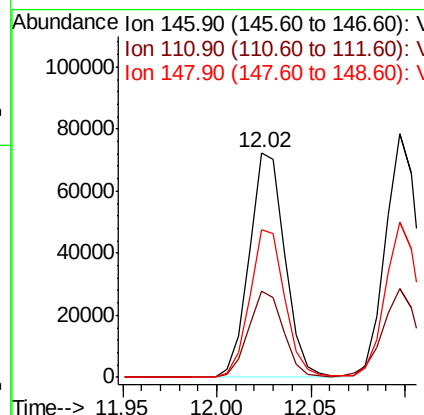
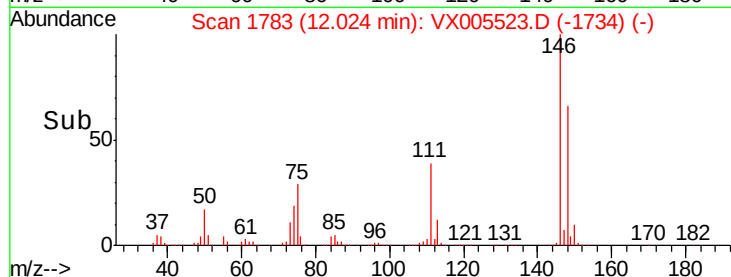
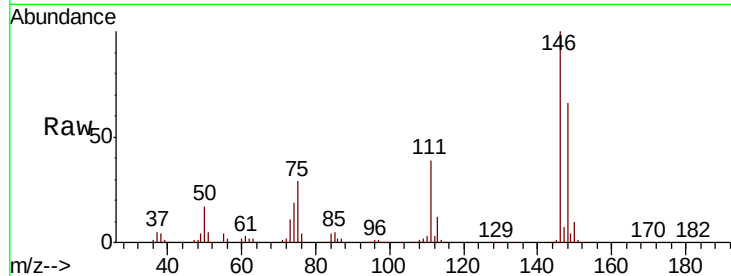
#87
 1,3-Dichlorobenzene
 Concen: 20.238 ug/l
 RT: 12.02 min Scan# 1783
 Delta R.T. -0.00 min
 Lab File: VX005523.D
 Acq: 23 Oct 2018 16:14

Instrument :
 MSVOA_X
 ClientSampleId :
 VX1023WBSD01

Tot Ion	Ratio	Lower	Upper
146	100		
111	38.0	18.7	56.1
148	64.8	32.1	96.5

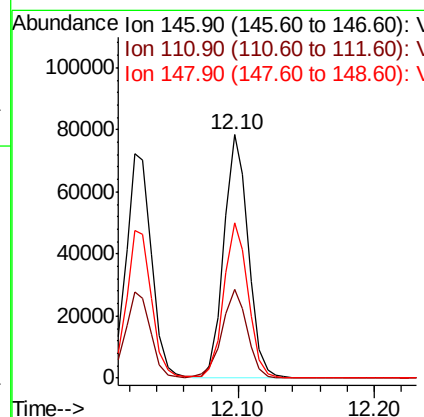
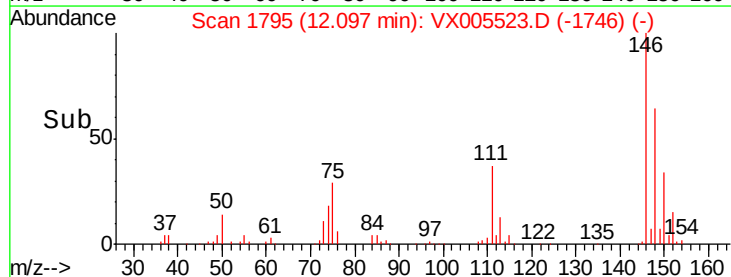
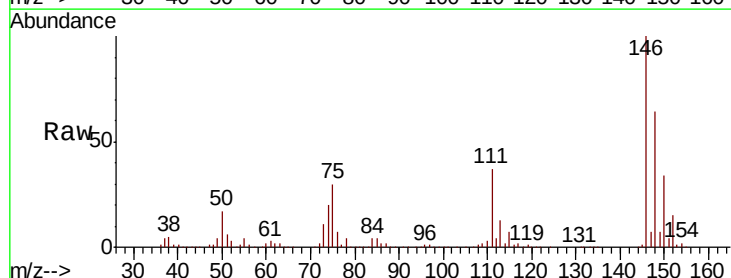
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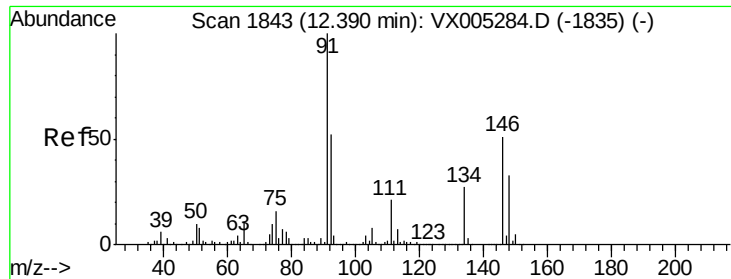
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#88
 1,4-Dichlorobenzene
 Concen: 20.282 ug/l
 RT: 12.10 min Scan# 1795
 Delta R.T. -0.00 min
 Lab File: VX005523.D
 Acq: 23 Oct 2018 16:14

Tgt Ion	Ratio	Lower	Upper
146	100		
111	37.8	18.1	54.1
148	63.9	32.0	96.0





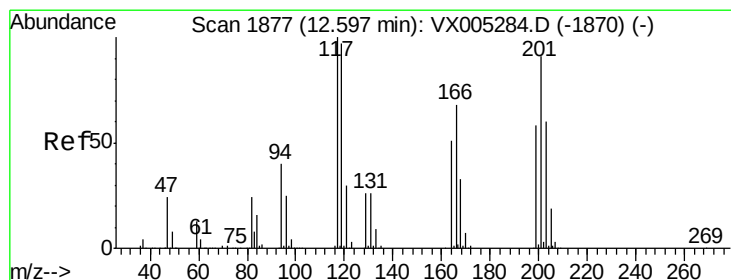
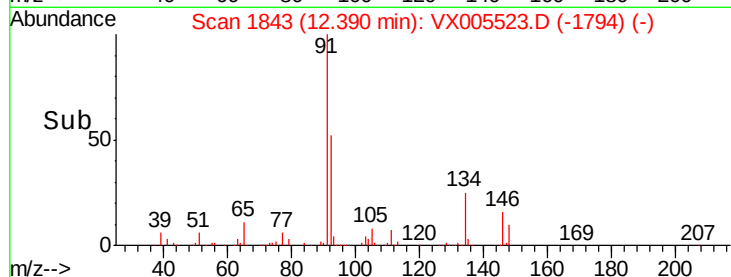
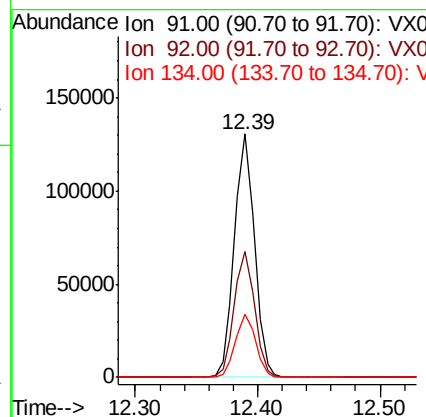
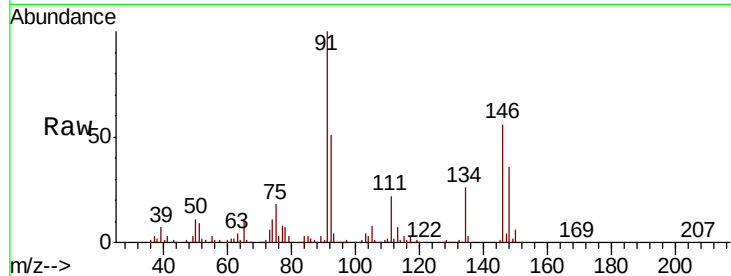
#89
n-Butylbenzene
Concen: 20.185 ug/l
RT: 12.39 min Scan# 1843
Delta R.T. -0.00 min
Lab File: VX005523.D
Acq: 23 Oct 2018 16:14

Instrument :
MSVOA_X
ClientSampleId :
VX1023WBSD01

Tot Ion	Ratio	Resp	Lower	Upper
91	100	148796		
92	52.2		27.3	81.9
134	26.1		13.6	40.7

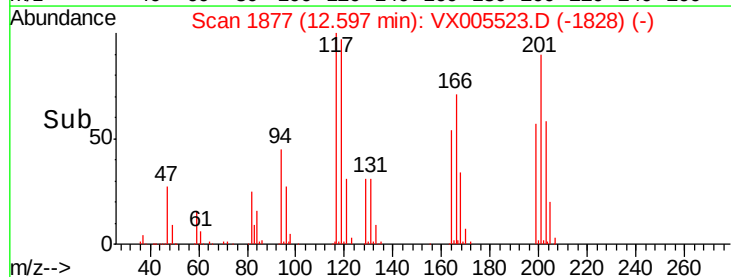
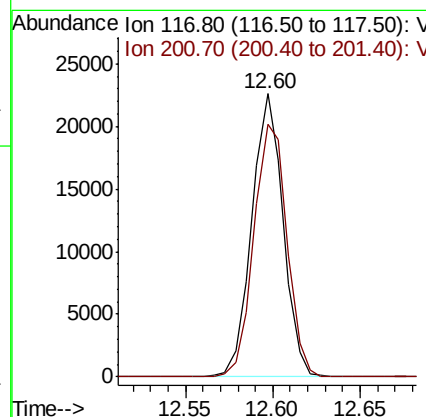
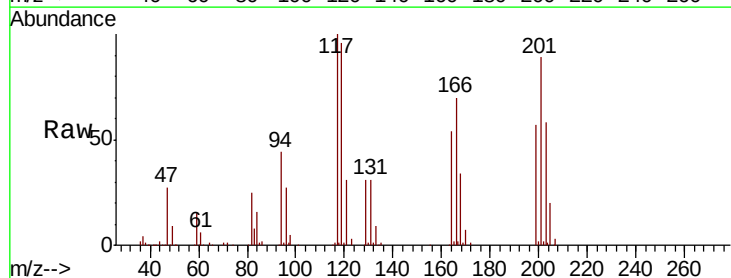
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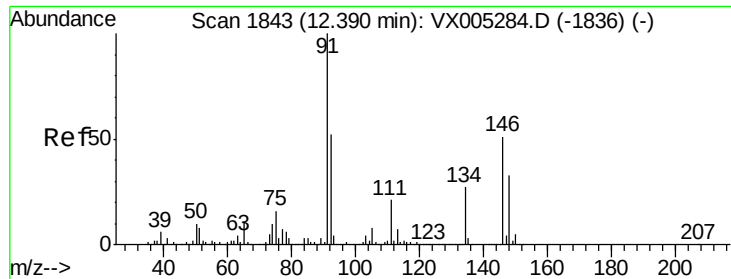
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#90
Hexachloroethane
Concen: 20.070 ug/l
RT: 12.60 min Scan# 1877
Delta R.T. -0.00 min
Lab File: VX005523.D
Acq: 23 Oct 2018 16:14

Tgt Ion	Ratio	Resp	Lower	Upper
117	100	28082		
201	94.4		46.9	140.6





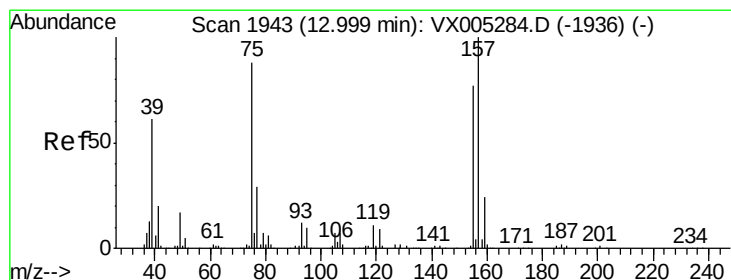
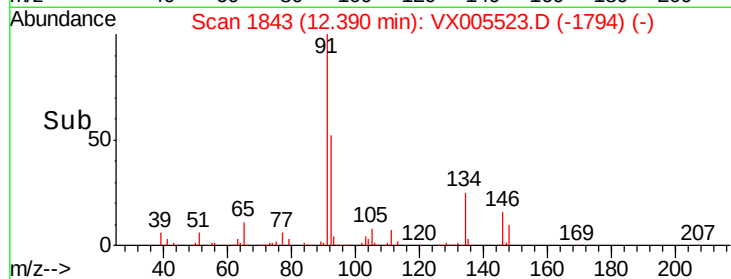
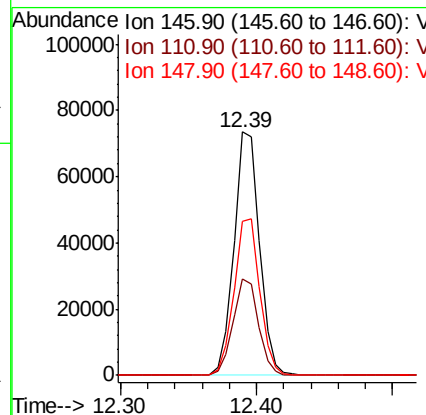
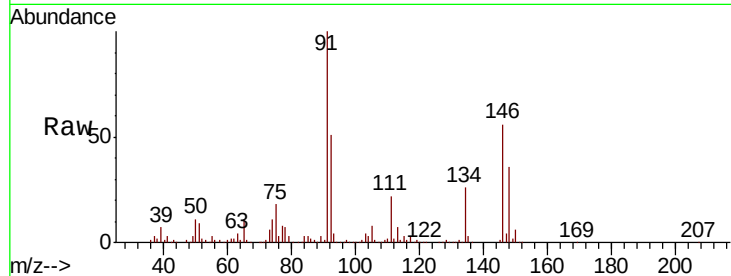
#91
 1,2-Dichlorobenzene
 Concen: 20.093 ug/l
 RT: 12.39 min Scan# 1843
 Delta R.T. -0.00 min
 Lab File: VX005523.D
 Acq: 23 Oct 2018 16:14

Instrument :
 MSVOA_X
 ClientSampleId :
 VX1023WBSD01

Tot Ion	Ratio	Lower	Upper
146	100		
111	39.6	19.4	58.1
148	65.0	32.8	98.3

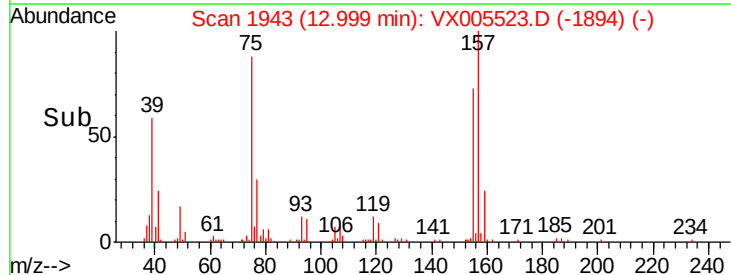
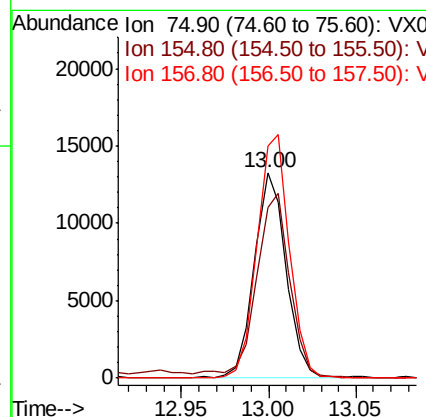
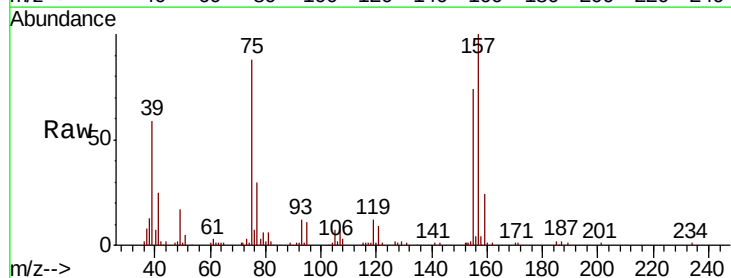
Manual Integrations
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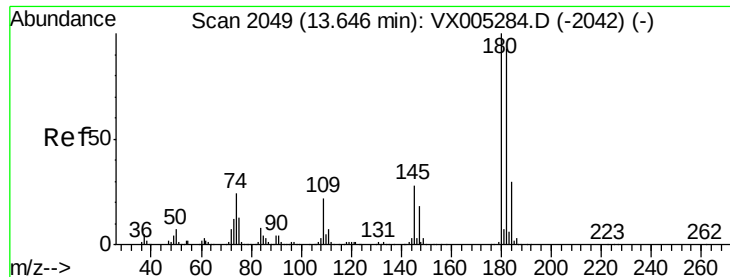
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 10/24/2018 10:02:49 AM



#92
 1,2-Dibromo-3-Chloropropane
 Concen: 20.797 ug/l
 RT: 13.00 min Scan# 1943
 Delta R.T. -0.00 min
 Lab File: VX005523.D
 Acq: 23 Oct 2018 16:14

Tgt Ion	Ratio	Lower	Upper
75	100		
155	95.9	48.0	144.2
157	120.4	61.4	184.1





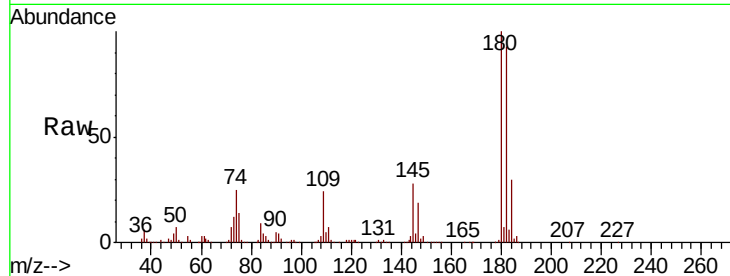
#93
1,2,4-Trichlorobenzene
Concen: 20.170 ug/l
RT: 13.65 min Scan# 2049
Delta R.T. -0.00 min
Lab File: VX005523.D
Acq: 23 Oct 2018 16:14

Instrument :
MSVOA_X
ClientSampleId :
VX1023WBSD01

Tot Ion	Ratio	Resp	Lower	Upper
180	100	70621		
182	94.7		48.4	145.0
145	28.1		14.3	42.9

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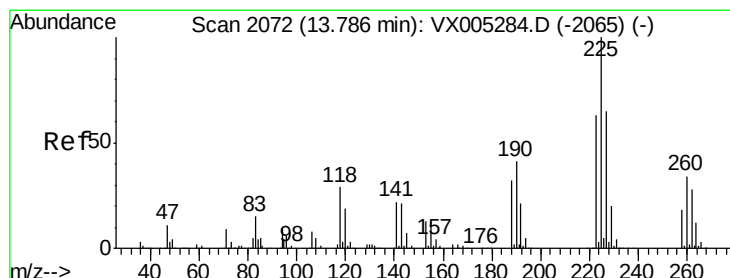
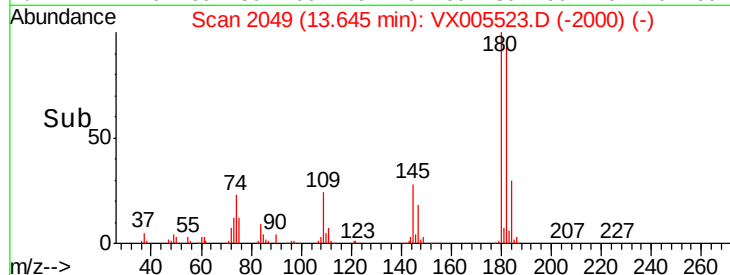
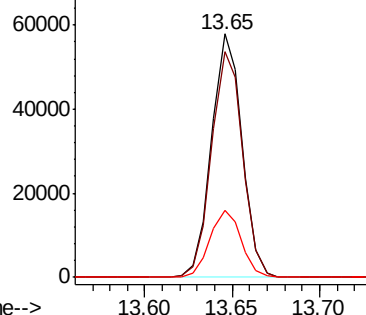


Abundance

Ion 179.80 (179.50 to 180.50): V

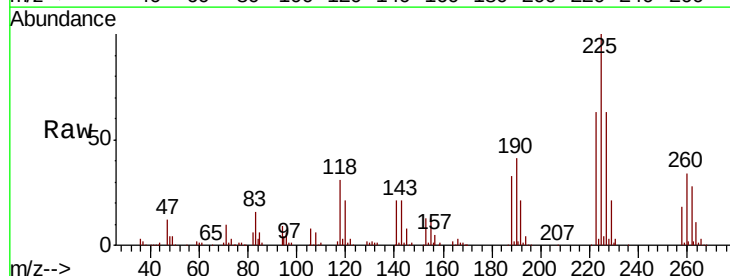
Ion 181.80 (181.50 to 182.50): V

Ion 144.80 (144.50 to 145.50): V



#94
Hexachlorobutadiene
Concen: 19.276 ug/l
RT: 13.79 min Scan# 2072
Delta R.T. -0.00 min
Lab File: VX005523.D
Acq: 23 Oct 2018 16:14

Tgt Ion	Ratio	Resp	Lower	Upper
225	100	35646		
223	62.8		30.1	90.5
227	63.5		30.8	92.4

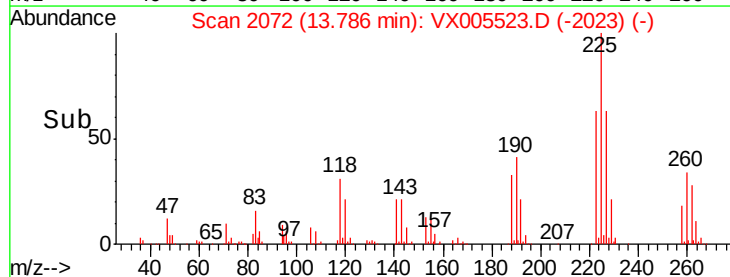
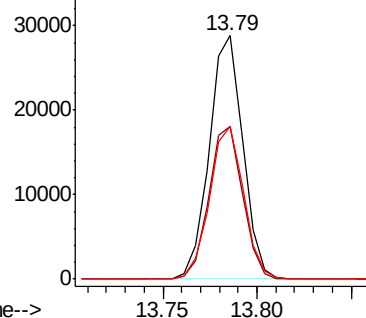


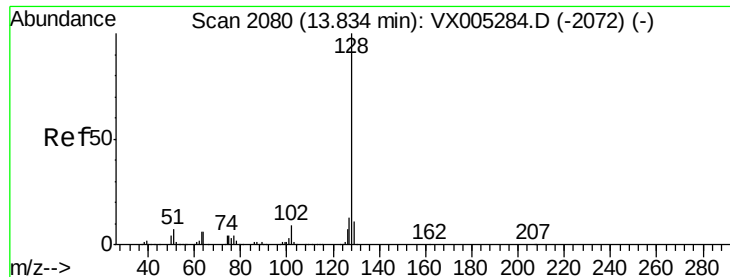
Abundance

Ion 224.70 (224.40 to 225.40): V

Ion 222.70 (222.40 to 223.40): V

Ion 226.70 (226.40 to 227.40): V





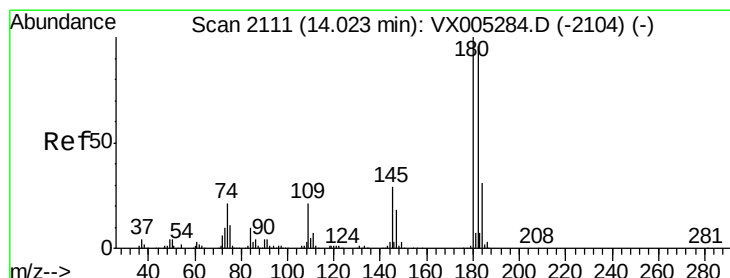
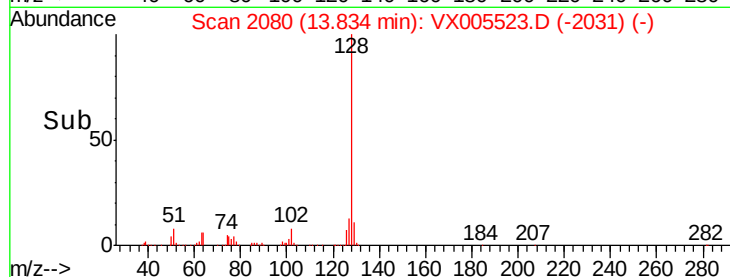
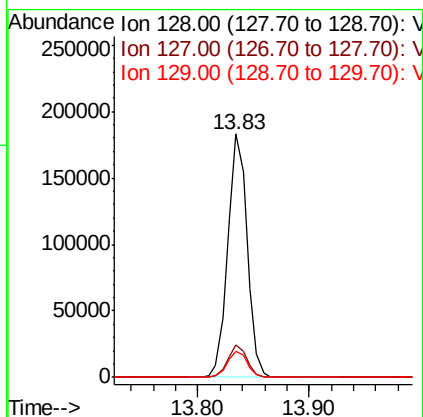
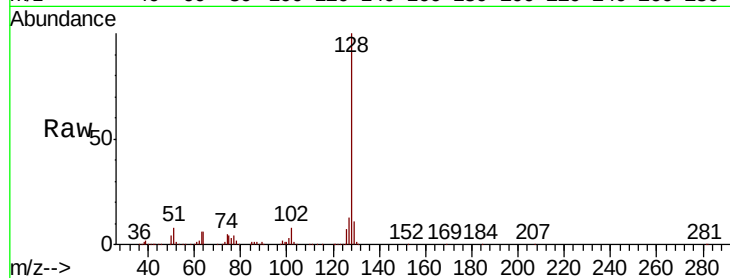
#95
Naphthalene
Concen: 21.730 ug/l
RT: 13.83 min Scan# 2080
Delta R.T. -0.00 min
Lab File: VX005523.D
Acq: 23 Oct 2018 16:14

Instrument :
MSVOA_X
ClientSampleId :
VX1023WBSD01

Tot Ion	Ratio	Lower	Upper
128	100		
127	13.4	10.2	15.2
129	11.1	8.6	12.8

Manual Integrations
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#96
1,2,3-Trichlorobenzene
Concen: 20.694 ug/l
RT: 14.02 min Scan# 2111
Delta R.T. -0.00 min
Lab File: VX005523.D
Acq: 23 Oct 2018 16:14

Tgt Ion	Ratio	Lower	Upper
180	100		
182	96.0	48.5	145.6
145	29.8	14.9	44.9

