

Data Path : Z:\voasrv\HPCHEM1\MSVOA_X\Data\VX011121\
 Data File : VX020567.D
 Acq On : 11 Jan 2021 22:09
 Operator : JC/MD
 Sample : M1058-01
 Misc : 5.0mL/MSVOA_X/WATER
 ALS Vial : 24 Sample Multiplier: 1

Instrument :
 MSVOA_X
 ClientSampleId :

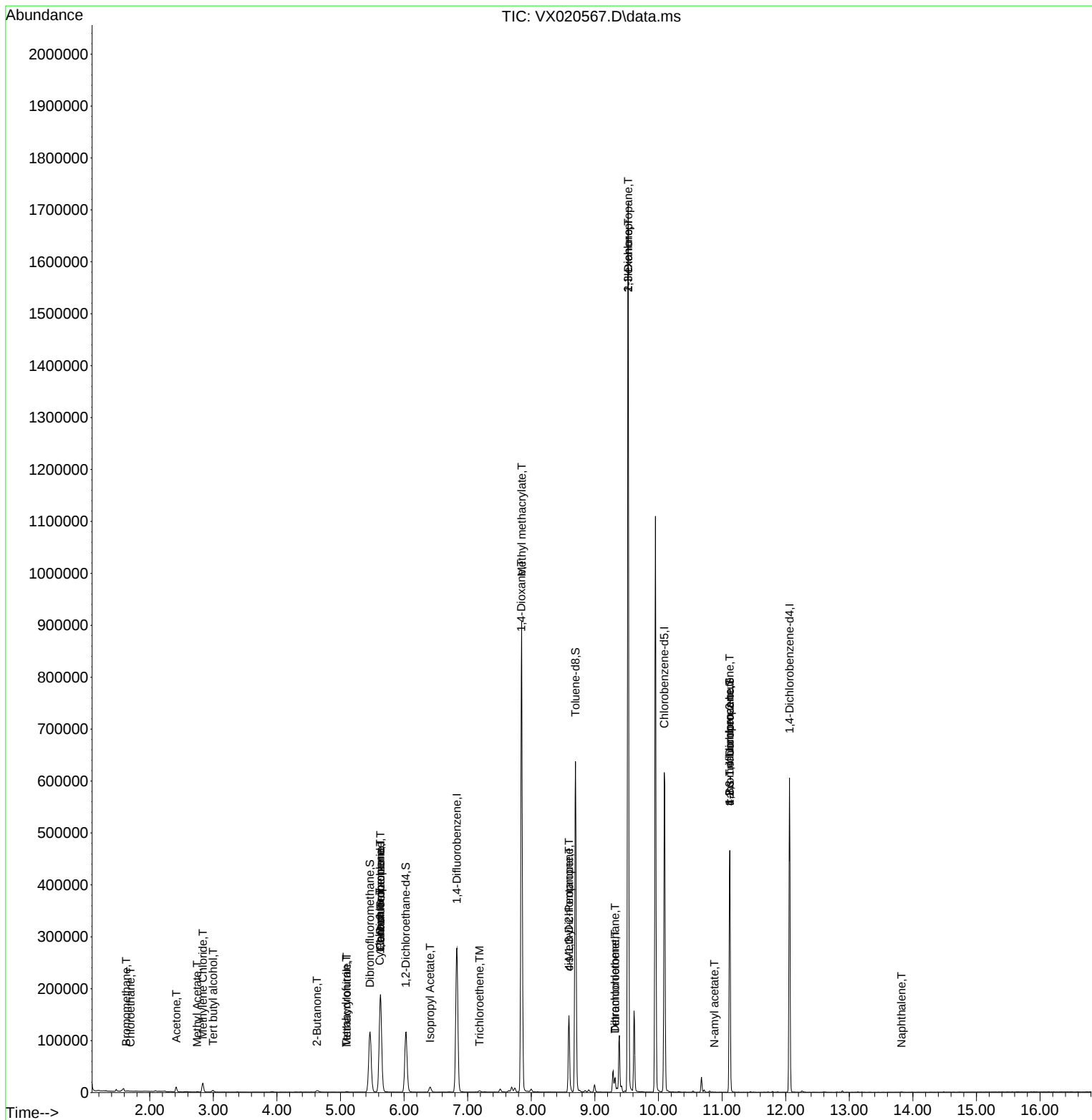
Quant Time: Jan 12 02:57:05 2021
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_X\METHOD\82X011121W.M
 Quant Title : SW846 8260
 QLast Update : Mon Jan 11 15:05:37 2021
 Response via : Initial Calibration

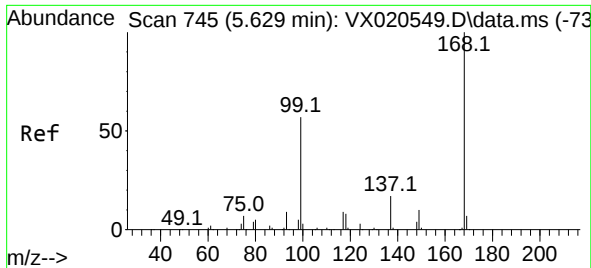
Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)

Internal Standards						
1) Pentafluorobenzene	5.629	168	183737	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	6.830	114	295840	50.00	ug/l	0.00
63) Chlorobenzene-d5	10.092	117	305284	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	12.061	152	128621	50.00	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	6.025	65	112765	51.10	ug/l	0.00
Spiked Amount 50.000	Range 61 - 141		Recovery = 102.20%			
35) Dibromofluoromethane	5.464	113	100263	48.91	ug/l	0.00
Spiked Amount 50.000	Range 69 - 133		Recovery = 97.82%			
50) Toluene-d8	8.695	98	386313	52.67	ug/l	0.00
Spiked Amount 50.000	Range 65 - 126		Recovery = 105.34%			
62) 4-Bromofluorobenzene	11.122	95	129762	50.10	ug/l	0.00
Spiked Amount 50.000	Range 58 - 135		Recovery = 100.20%			
Target Compounds					Qvalue	
5) Bromomethane	1.630	94	345	0.27	ug/l	86
6) Chloroethane	1.697	64	39	0.45	ug/l #	43
11) Tert butyl alcohol	2.995	59	2217	3.25	ug/l #	73
16) Acetone	2.416	43	9881	9.31	ug/l	94
18) Methyl Acetate	2.745	43	663	0.34	ug/l #	86
20) Methylene Chloride	2.837	84	8609	4.13	ug/l	94
25) 2-Butanone	4.629	43	3763	3.15	ug/l	90
29) Tetrahydrofuran	5.092	42	611	0.84	ug/l #	67
31) Cyclohexane	5.617	56	3083	1.19	ug/l #	1
36) 1,1-Dichloropropene	5.623	75	13074	4.84	ug/l #	49
38) Carbon Tetrachloride	5.629	117	17571	5.57	ug/l #	17
41) Methacrylonitrile	5.099	41	394	0.31	ug/l #	41
43) Isopropyl Acetate	6.409	43	12099	3.18	ug/l	98
44) Trichloroethene	7.184	130	1000	0.41	ug/l	98
48) Methyl methacrylate	7.848	41	69202	37.40	ug/l #	35
49) 1,4-Dioxane	7.842	88	127	2.72	ug/l #	1
51) 4-Methyl-2-Pentanone	8.592	43	43425	18.39	ug/l #	48
54) cis-1,3-Dichloropropene	8.592	75	25971	7.71	ug/l #	59
57) 1,3-Dichloropropane	9.525	76	15555	4.39	ug/l #	42
59) 2-Hexanone	9.525	43	166521	94.09	ug/l #	49
60) Dibromochloromethane	9.317	129	5234	2.12	ug/l #	11
64) Tetrachloroethene	9.317	164	5253	1.91	ug/l	97
74) N-amyl acetate	10.878	43	253	1.32	ug/l #	38
76) 1,2,3-Trichloropropane	11.122	75	59516	21.97	ug/l #	39
81) trans-1,4-Dichloro-2-b...	11.122	75	59516	59.85	ug/l #	12
95) Naphthalene	13.823	128	456	3.89	ug/l #	80

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

Quant Time: Jan 12 02:57:05 2021
Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_X\METHOD\82X011121W.M
Quant Title : SW846 8260
QLast Update : Mon Jan 11 15:05:37 2021
Response via : Initial Calibration

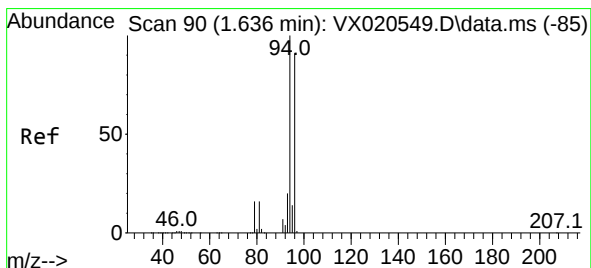
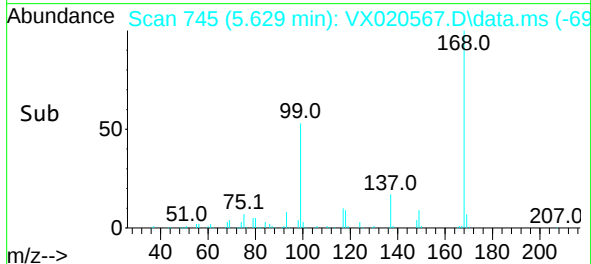
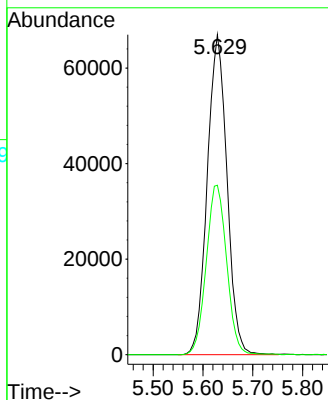
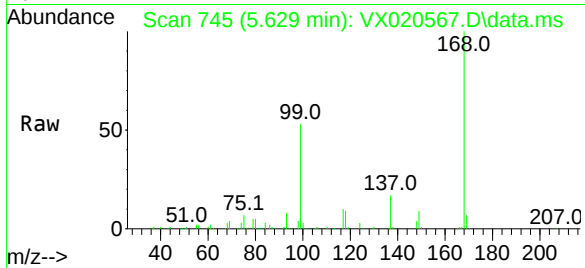




#1
Pentafluorobenzene
Concen: 50.00 ug/l
RT: 5.629 min Scan# 745
Delta R.T. -0.000 min
Lab File: VX020567.D
Acq: 11 Jan 2021 22:09

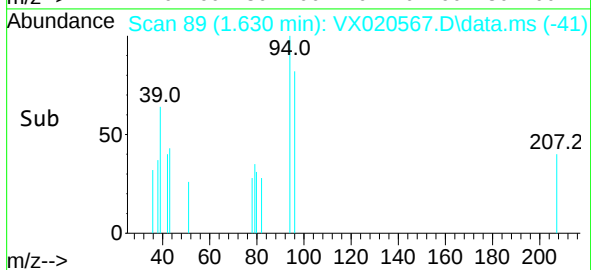
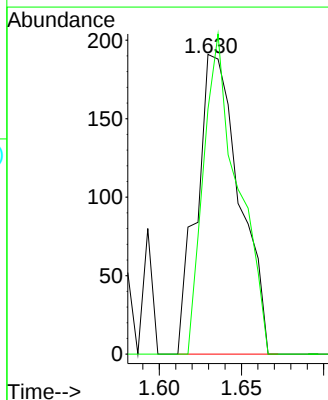
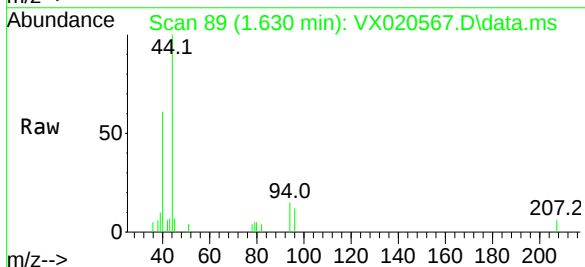
Instrument :
MSVOA_X
ClientSampleId :

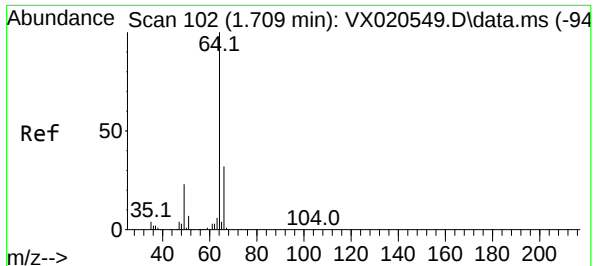
Tgt Ion:168 Resp: 183737
Ion Ratio Lower Upper
168 100
99 53.0 45.8 68.6



#5
Bromomethane
Concen: 0.27 ug/l
RT: 1.630 min Scan# 89
Delta R.T. -0.006 min
Lab File: VX020567.D
Acq: 11 Jan 2021 22:09

Tgt Ion: 94 Resp: 345
Ion Ratio Lower Upper
94 100
96 81.7 76.4 114.6

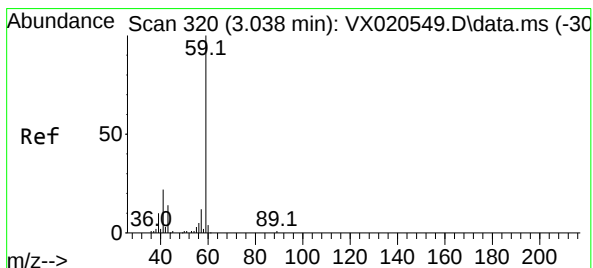
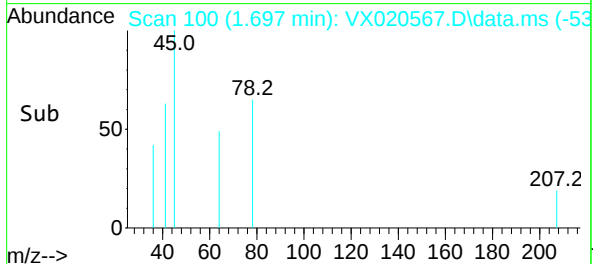
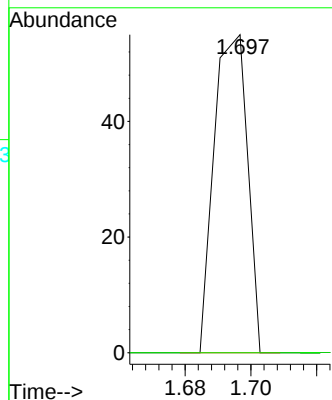
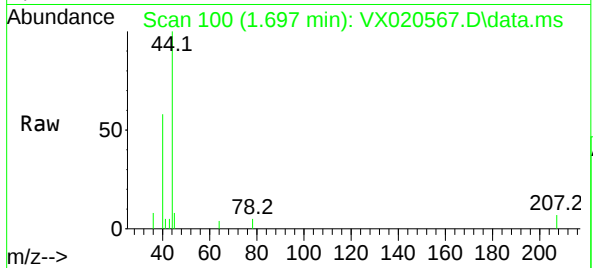




#6
Chloroethane
Concen: 0.45 ug/l
RT: 1.697 min Scan# 100
Delta R.T. -0.012 min
Lab File: VX020567.D
Acq: 11 Jan 2021 22:09

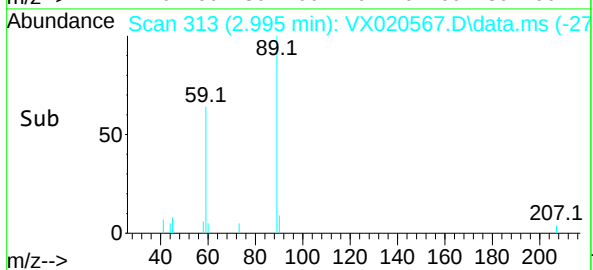
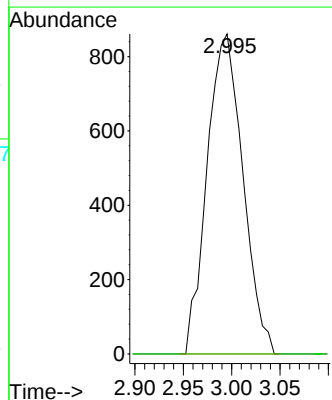
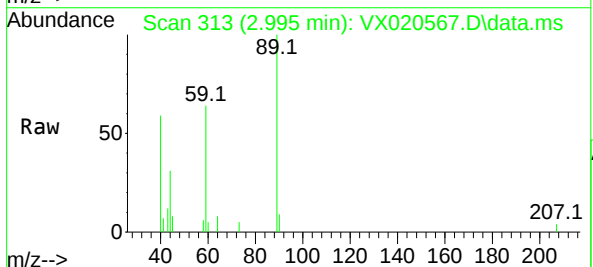
Instrument :
MSVOA_X
ClientSampled :

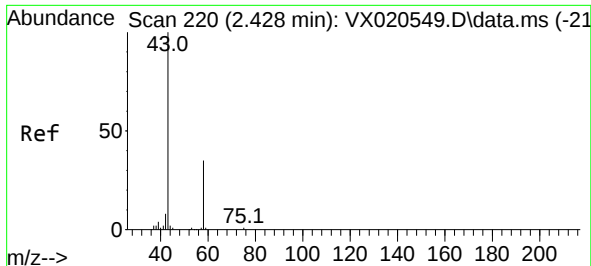
Tgt Ion: 64 Resp: 39
Ion Ratio Lower Upper
64 100
66 0.0 25.4 38.0#



#11
Tert butyl alcohol
Concen: 3.25 ug/l
RT: 2.995 min Scan# 313
Delta R.T. -0.043 min
Lab File: VX020567.D
Acq: 11 Jan 2021 22:09

Tgt Ion: 59 Resp: 2217
Ion Ratio Lower Upper
59 100
57 0.0 7.8 11.8#

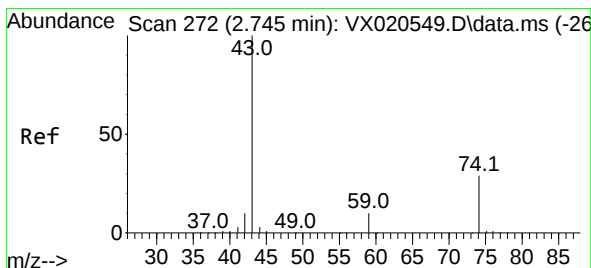
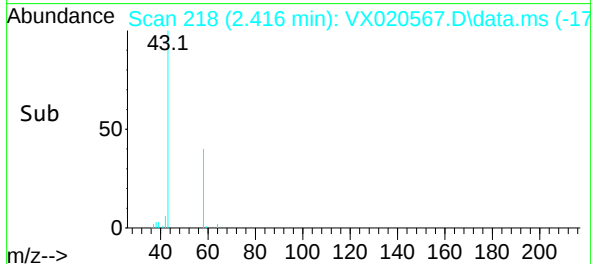
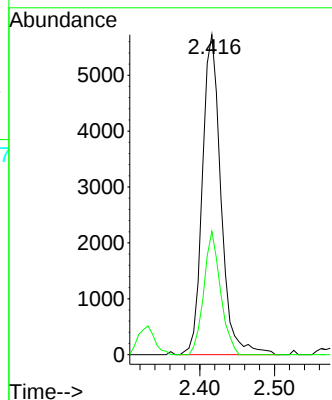
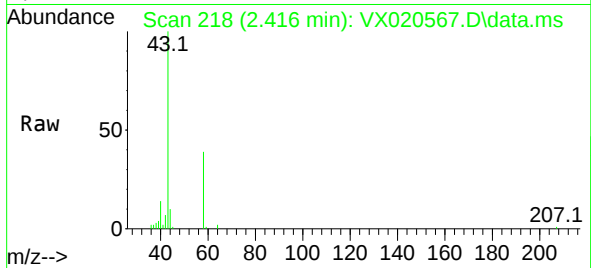




#16
Acetone
Concen: 9.31 ug/l
RT: 2.416 min Scan# 218
Delta R.T. -0.012 min
Lab File: VX020567.D
Acq: 11 Jan 2021 22:09

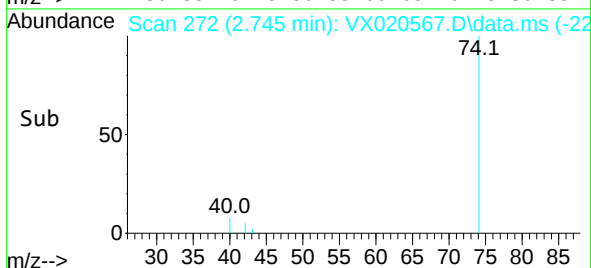
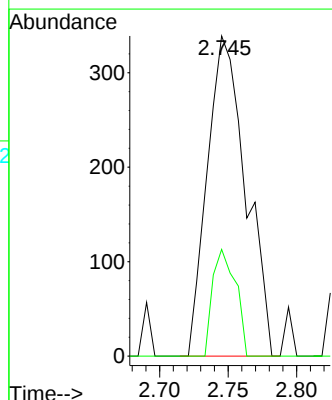
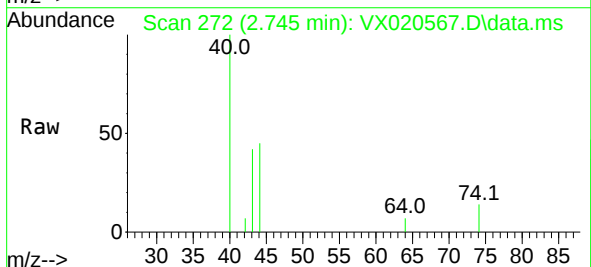
Instrument :
MSVOA_X
ClientSampled :

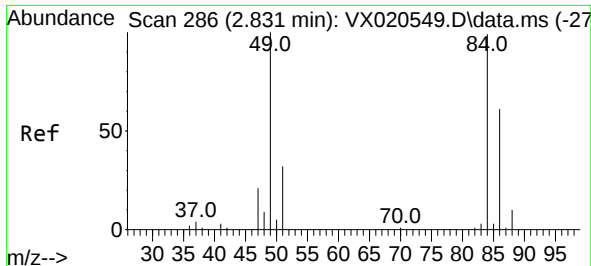
Tgt Ion: 43 Resp: 9881
Ion Ratio Lower Upper
43 100
58 38.6 27.8 41.8



#18
Methyl Acetate
Concen: 0.34 ug/l
RT: 2.745 min Scan# 272
Delta R.T. 0.000 min
Lab File: VX020567.D
Acq: 11 Jan 2021 22:09

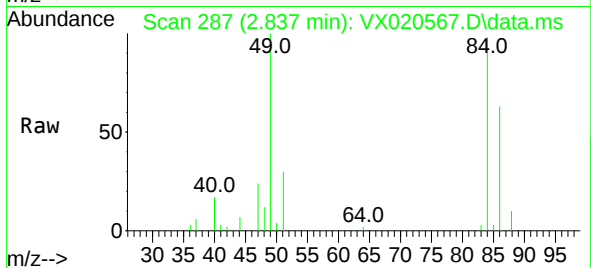
Tgt Ion: 43 Resp: 663
Ion Ratio Lower Upper
43 100
74 19.9 21.9 32.9#



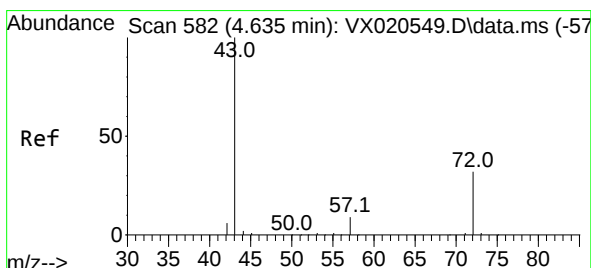
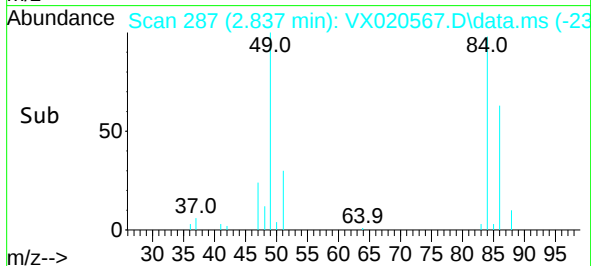
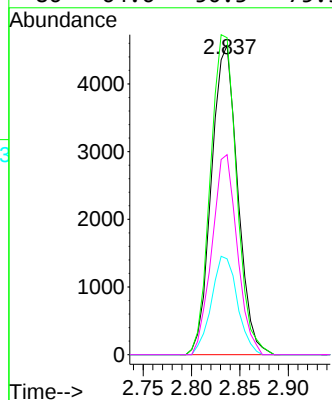


#20
Methylene Chloride
Concen: 4.13 ug/l
RT: 2.837 min Scan# 287
Delta R.T. 0.006 min
Lab File: VX020567.D
Acq: 11 Jan 2021 22:09

Instrument :
MSVOA_X
ClientSampled :

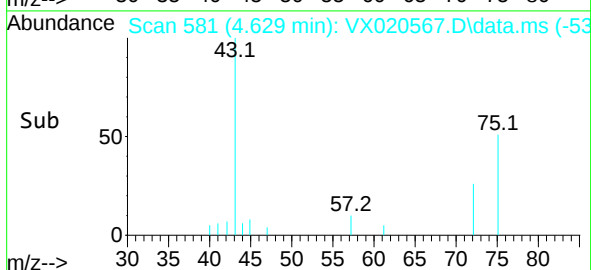
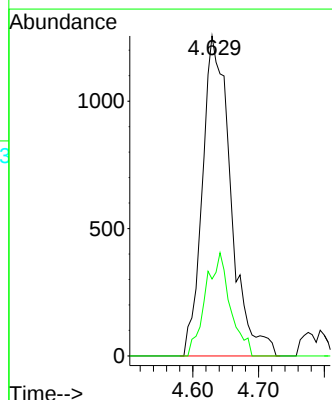
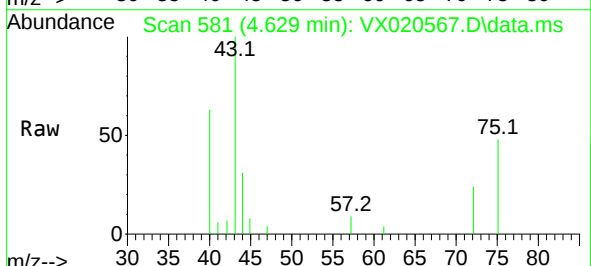


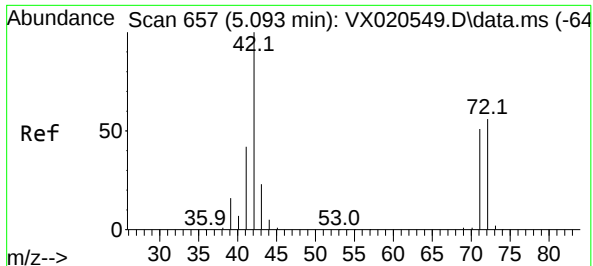
Tgt Ion:	84	Resp:	8609
Ion	Ratio	Lower	Upper
84	100		
49	102.5	88.6	132.8
51	31.0	27.0	40.6
86	64.6	50.3	75.5



#25
2-Butanone
Concen: 3.15 ug/l
RT: 4.629 min Scan# 581
Delta R.T. -0.006 min
Lab File: VX020567.D
Acq: 11 Jan 2021 22:09

Tgt Ion:	43	Resp:	3763
Ion	Ratio	Lower	Upper
43	100		
72	24.0	23.7	35.5





#29

Tetrahydrofuran

Concen: 0.84 ug/l

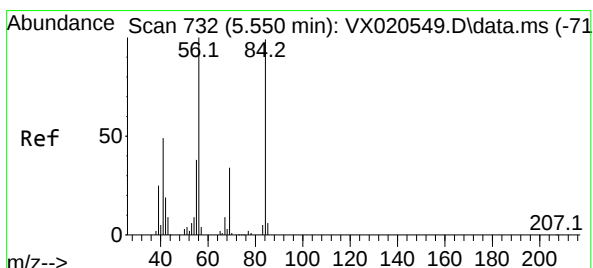
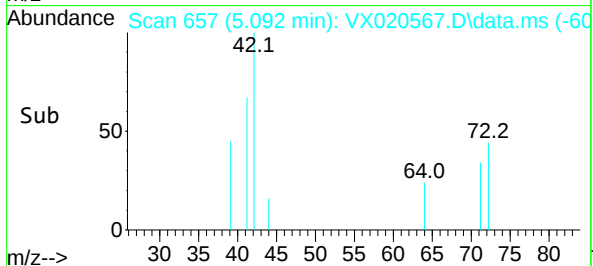
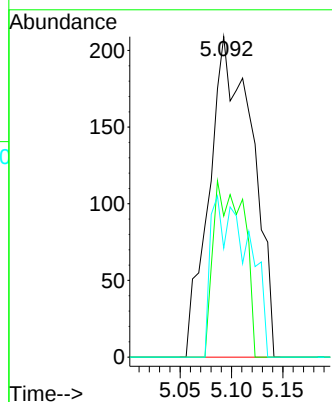
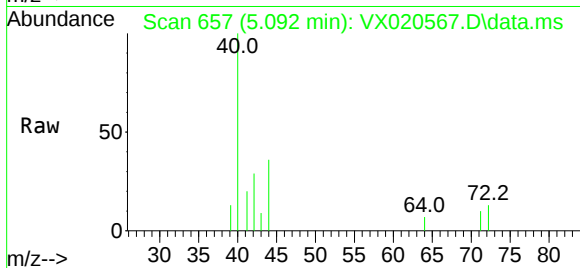
RT: 5.092 min Scan# 657

Delta R.T. -0.001 min

Lab File: VX020567.D

Acq: 11 Jan 2021 22:09

Tgt Ion:	42	Resp:	611
Ion	Ratio	Lower	Upper
42	100		
72	38.5	41.7	62.5#
71	16.0	38.4	57.6#



#31

Cyclohexane

Concen: 1.19 ug/l

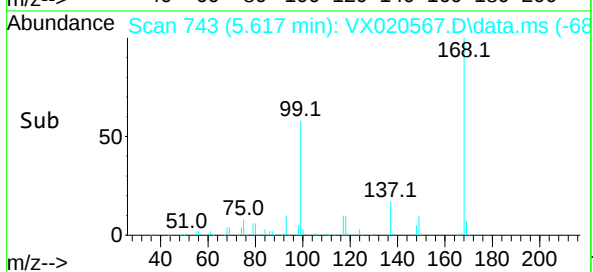
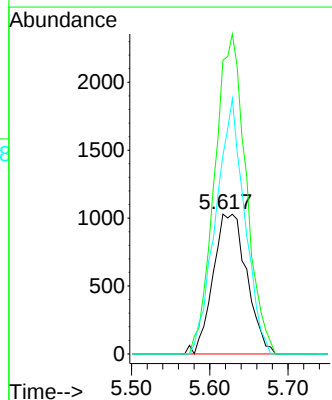
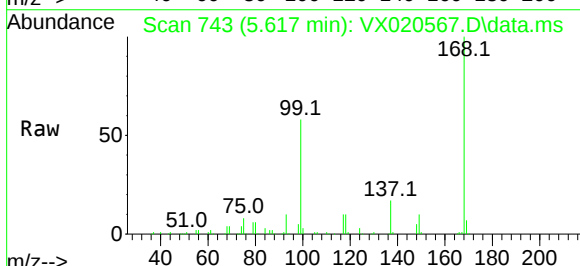
RT: 5.617 min Scan# 743

Delta R.T. 0.067 min

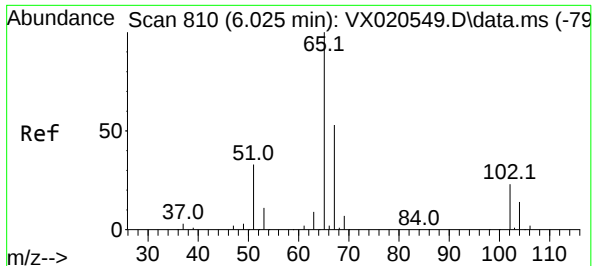
Lab File: VX020567.D

Acq: 11 Jan 2021 22:09

Tgt Ion:	56	Resp:	3083
Ion	Ratio	Lower	Upper
56	100		
69	210.2	25.3	37.9#
84	142.1	71.4	107.0#



Instrument :
MSVOA_X
ClientSampleId :



#33

1,2-Dichloroethane-d4

Concen: 51.10 ug/l

RT: 6.025 min Scan# 810

Delta R.T. 0.000 min

Lab File: VX020567.D

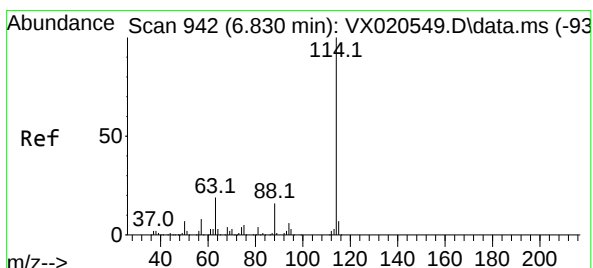
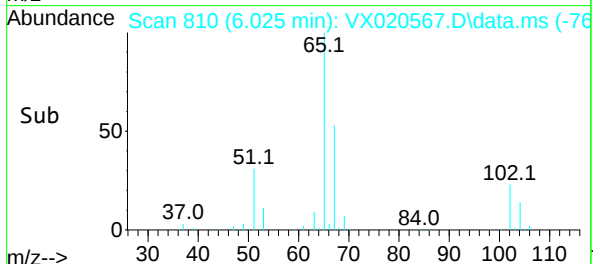
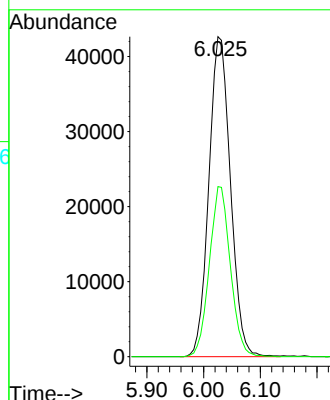
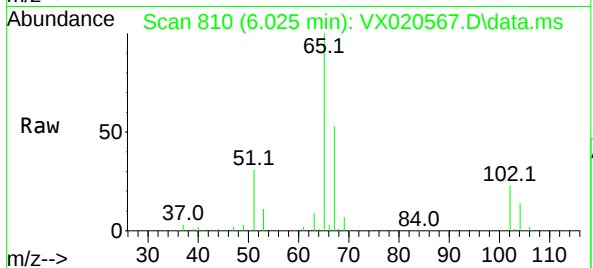
Acq: 11 Jan 2021 22:09

Tgt Ion: 65 Resp: 112765

Ion Ratio Lower Upper

65 100

67 51.7 0.0 105.4



#34

1,4-Difluorobenzene

Concen: 50.00 ug/l

RT: 6.830 min Scan# 942

Delta R.T. -0.000 min

Lab File: VX020567.D

Acq: 11 Jan 2021 22:09

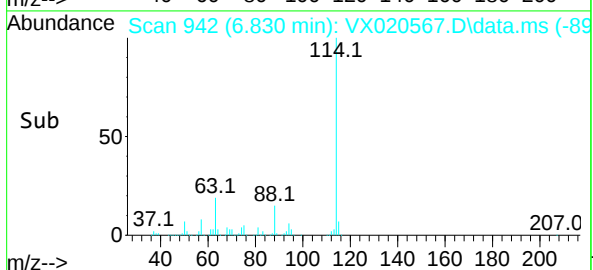
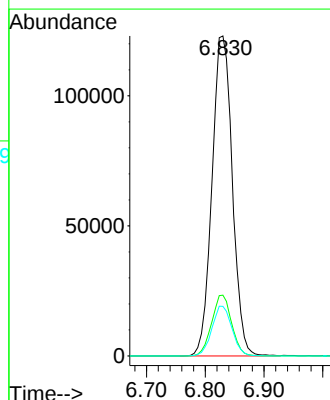
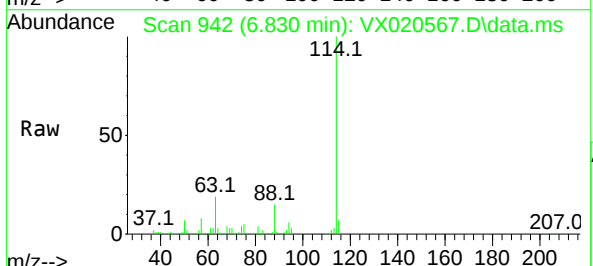
Tgt Ion: 114 Resp: 295840

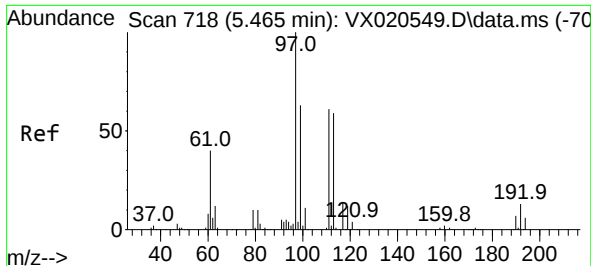
Ion Ratio Lower Upper

114 100

63 19.0 0.0 40.8

88 15.5 0.0 32.8

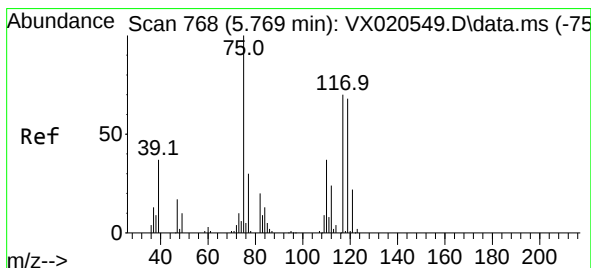
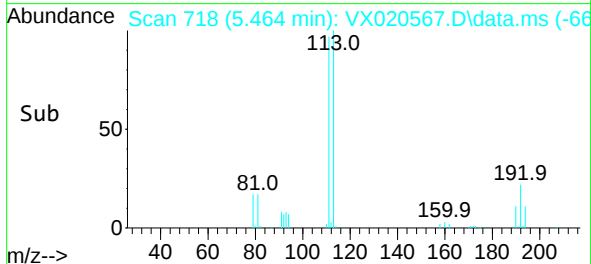
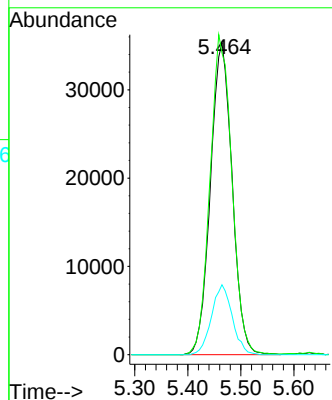
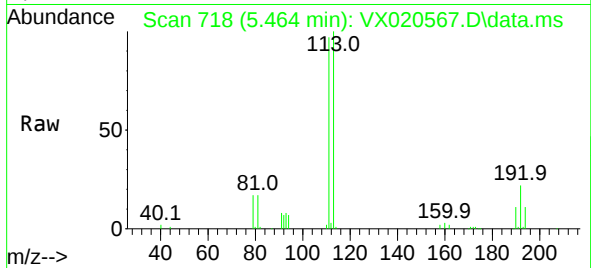




#35
Dibromofluoromethane
Concen: 48.91 ug/l
RT: 5.464 min Scan# 718
Delta R.T. -0.001 min
Lab File: VX020567.D
Acq: 11 Jan 2021 22:09

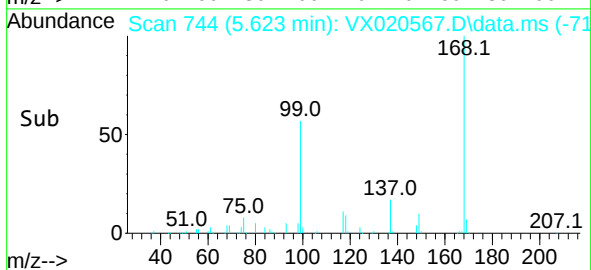
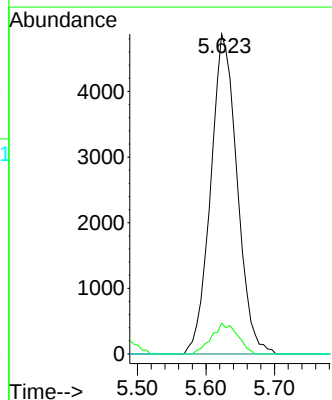
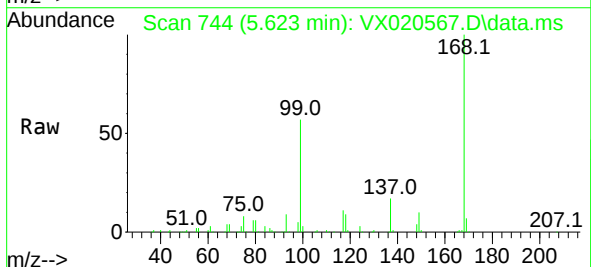
Instrument :
MSVOA_X
ClientSampleId :

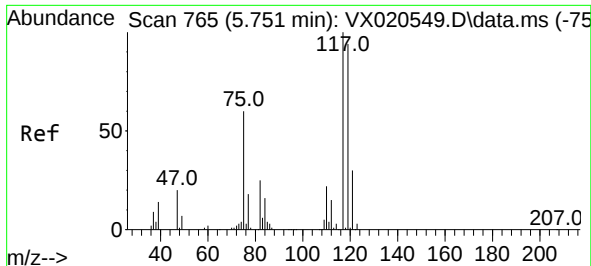
Tgt Ion:113 Resp: 100263
Ion Ratio Lower Upper
113 100
111 103.4 81.9 122.9
192 21.5 16.7 25.1



#36
1,1-Dichloropropene
Concen: 4.84 ug/l
RT: 5.623 min Scan# 744
Delta R.T. -0.146 min
Lab File: VX020567.D
Acq: 11 Jan 2021 22:09

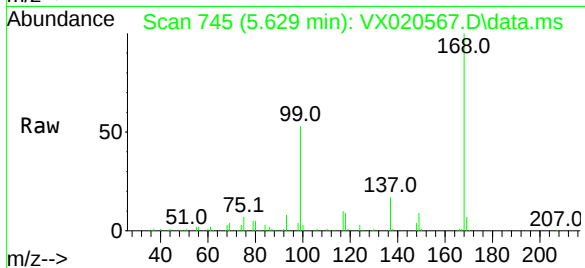
Tgt Ion: 75 Resp: 13074
Ion Ratio Lower Upper
75 100
110 9.4 18.1 54.4#
77 0.0 25.3 37.9#



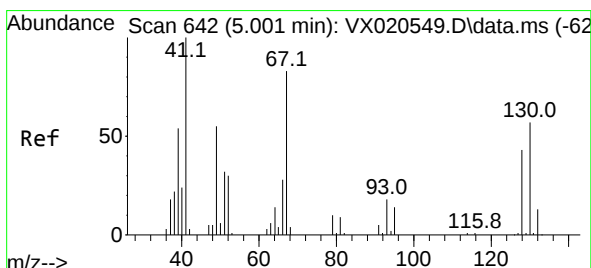
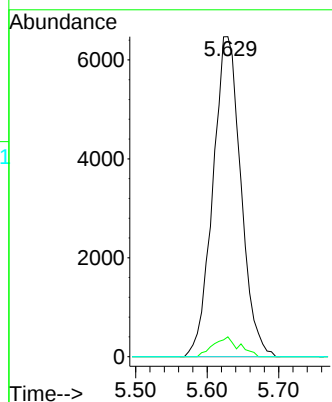
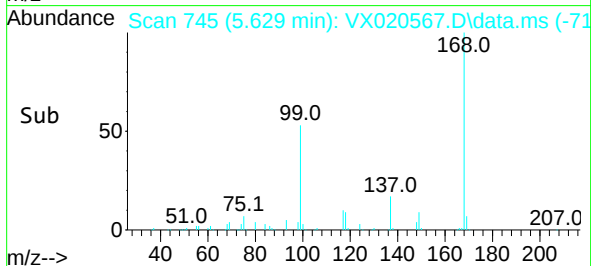


#38
Carbon Tetrachloride
Concen: 5.57 ug/l
RT: 5.629 min Scan# 745
Delta R.T. -0.122 min
Lab File: VX020567.D
Acq: 11 Jan 2021 22:09

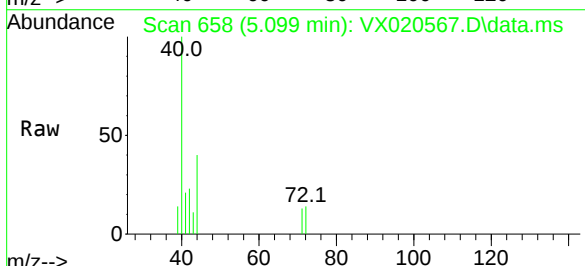
Instrument :
MSVOA_X
ClientSampleId :



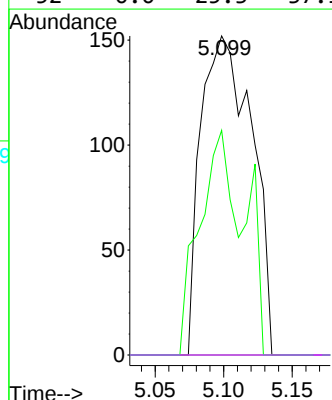
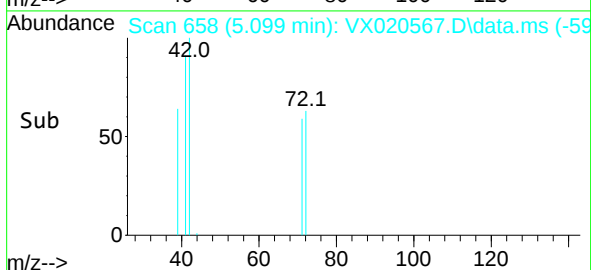
Tgt Ion: 117 Resp: 17571
Ion Ratio Lower Upper
117 100
119 6.2 76.2 114.2#
121 0.0 24.8 37.2#

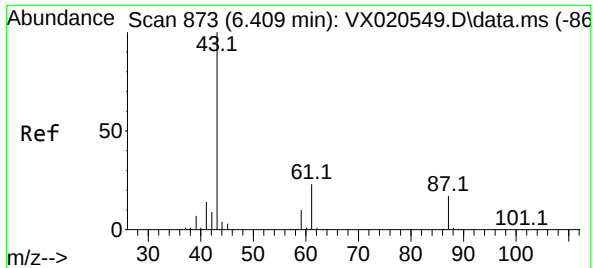


#41
Methacrylonitrile
Concen: 0.31 ug/l
RT: 5.099 min Scan# 658
Delta R.T. 0.098 min
Lab File: VX020567.D
Acq: 11 Jan 2021 22:09



Tgt Ion: 41 Resp: 394
Ion Ratio Lower Upper
41 100
39 61.4 42.5 63.7
67 0.0 65.0 97.6#
52 0.0 25.3 37.9#

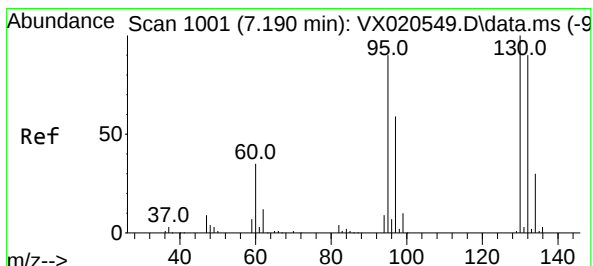
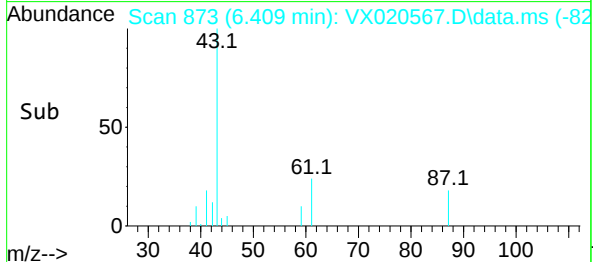
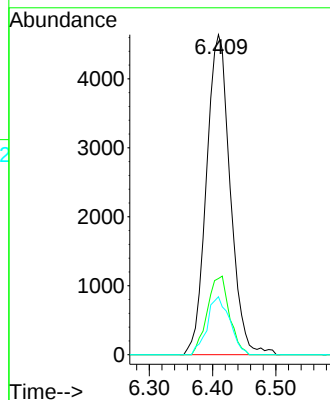
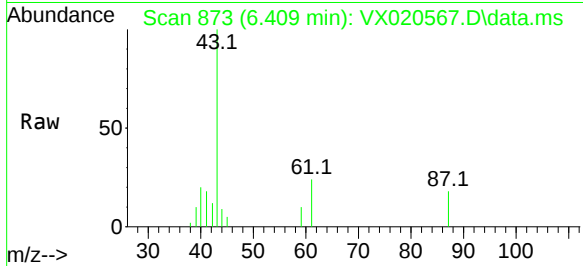




#43
Isopropyl Acetate
Concen: 3.18 ug/l
RT: 6.409 min Scan# 873
Delta R.T. 0.000 min
Lab File: VX020567.D
Acq: 11 Jan 2021 22:09

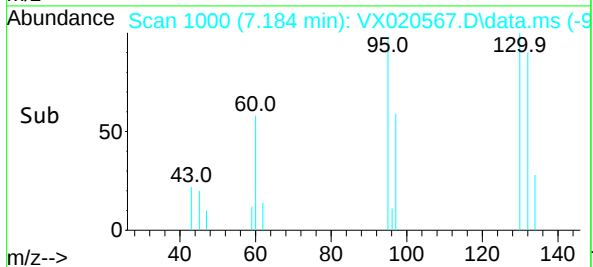
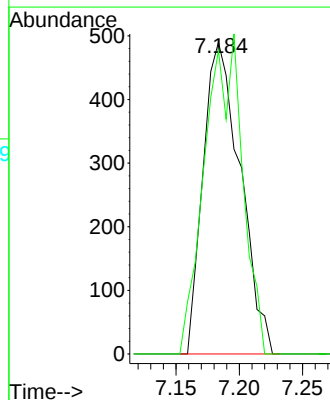
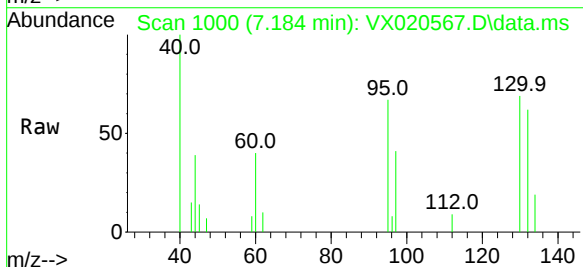
Instrument :
MSVOA_X
ClientSampled :

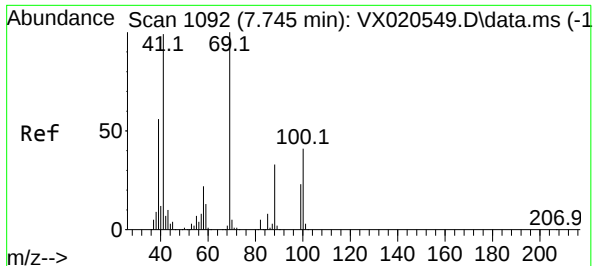
Tgt Ion:	43	Resp:	12099
Ion	Ratio	Lower	Upper
43	100		
61	22.8	18.2	27.4
87	17.2	12.5	18.7



#44
Trichloroethene
Concen: 0.41 ug/l
RT: 7.184 min Scan# 1000
Delta R.T. -0.006 min
Lab File: VX020567.D
Acq: 11 Jan 2021 22:09

Tgt Ion:	130	Resp:	1000
Ion	Ratio	Lower	Upper
130	100		
95	97.3	0.0	198.0





#48

Methyl methacrylate

Concen: 37.40 ug/l

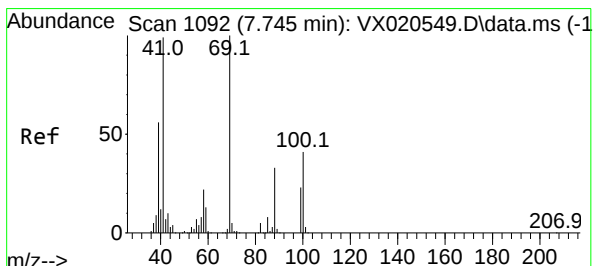
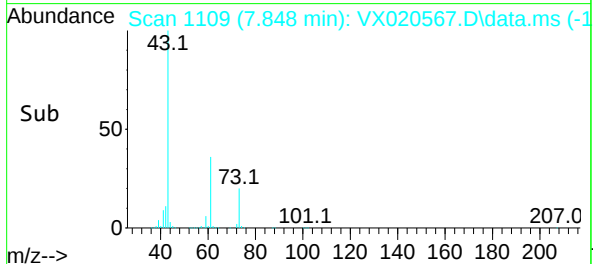
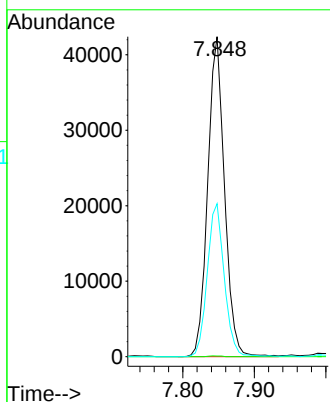
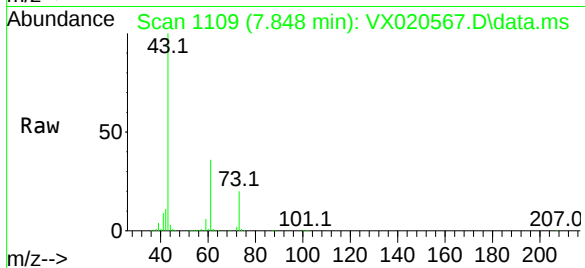
RT: 7.848 min Scan# 1109

Delta R.T. 0.103 min

Lab File: VX020567.D

Acq: 11 Jan 2021 22:09

Tgt Ion:	41	Resp:	69202
Ion	Ratio	Lower	Upper
41	100		
69	0.2	76.0	114.0#
39	48.5	44.6	67.0



#49

1,4-Dioxane

Concen: 2.72 ug/l

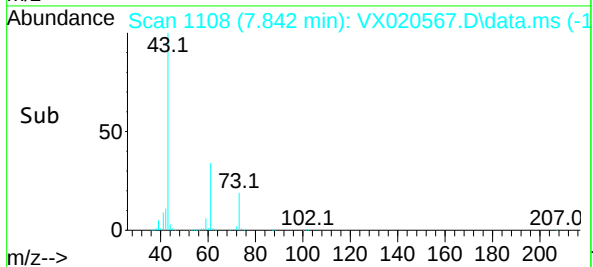
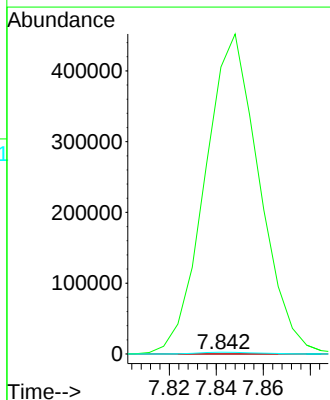
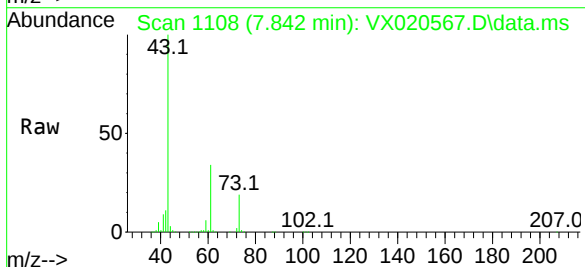
RT: 7.842 min Scan# 1108

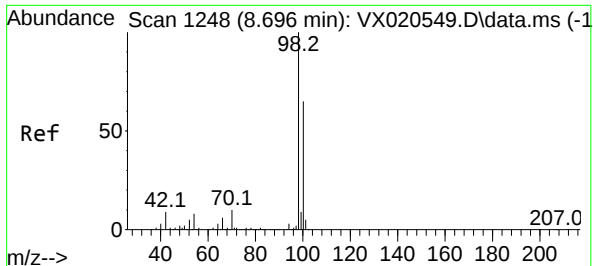
Delta R.T. 0.097 min

Lab File: VX020567.D

Acq: 11 Jan 2021 22:09

Tgt Ion:	88	Resp:	127
Ion	Ratio	Lower	Upper
88	100		
43	577369.3	23.2	34.8#
58	3429.9	55.0	82.4#

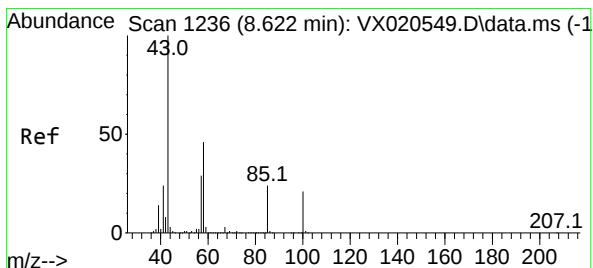
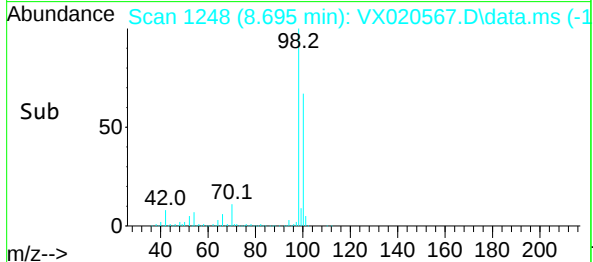
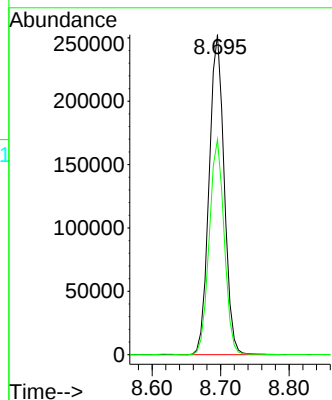
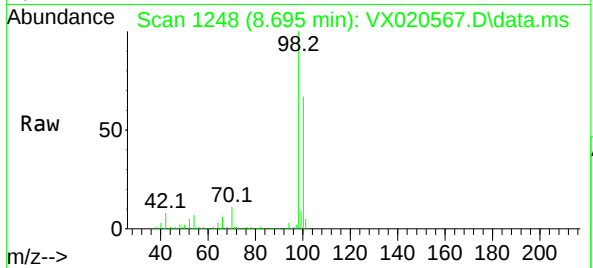




#50
Toluene-d8
Concen: 52.67 ug/l
RT: 8.695 min Scan# 1248
Delta R.T. -0.001 min
Lab File: VX020567.D
Acq: 11 Jan 2021 22:09

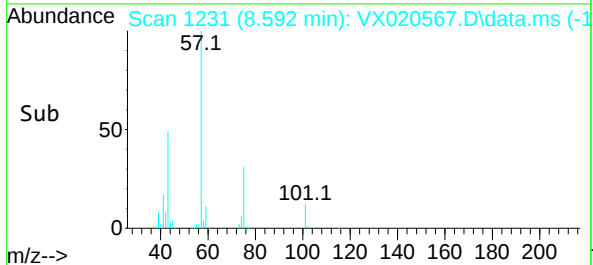
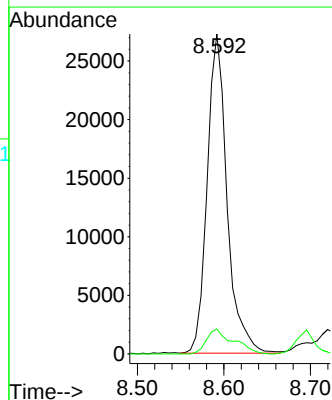
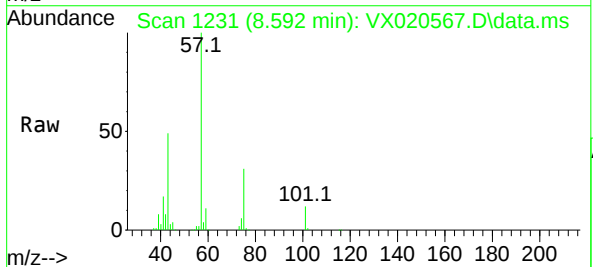
Instrument :
MSVOA_X
ClientSampled :

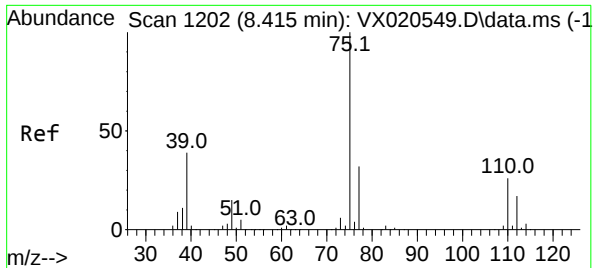
Tgt Ion: 98 Resp: 386313
Ion Ratio Lower Upper
98 100
100 66.7 51.9 77.9



#51
4-Methyl-2-Pentanone
Concen: 18.39 ug/l
RT: 8.592 min Scan# 1231
Delta R.T. -0.030 min
Lab File: VX020567.D
Acq: 11 Jan 2021 22:09

Tgt Ion: 43 Resp: 43425
Ion Ratio Lower Upper
43 100
58 10.6 35.4 53.0#

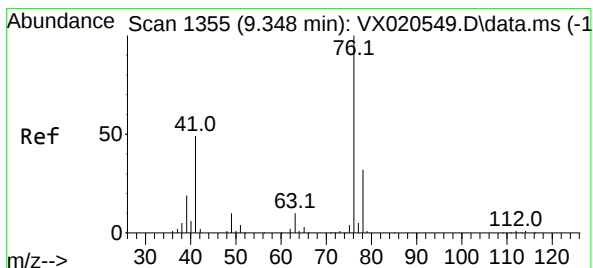
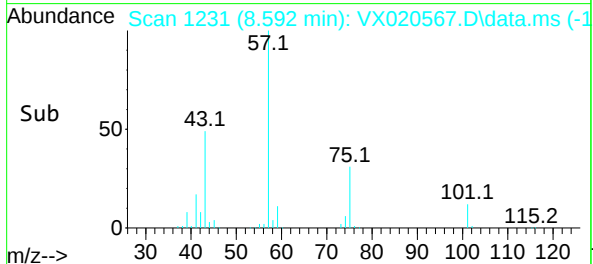
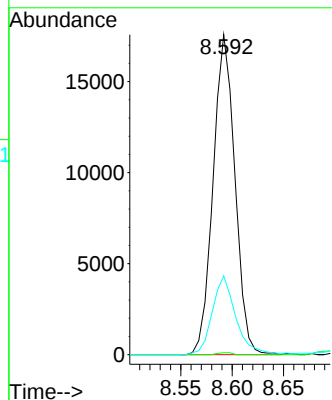
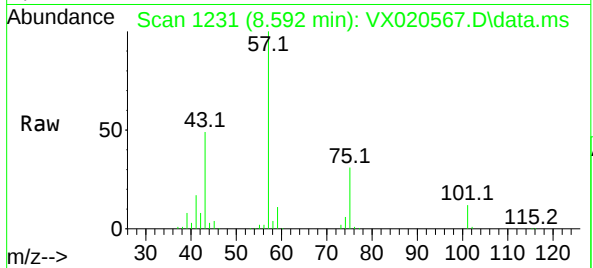




#54
 cis-1,3-Dichloropropene
 Concen: 7.71 ug/l
 RT: 8.592 min Scan# 1231
 Delta R.T. 0.177 min
 Lab File: VX020567.D
 Acq: 11 Jan 2021 22:09

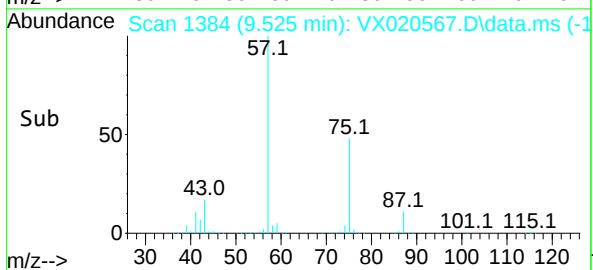
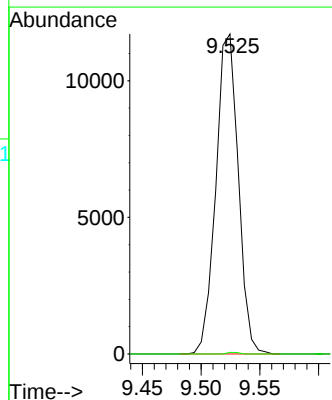
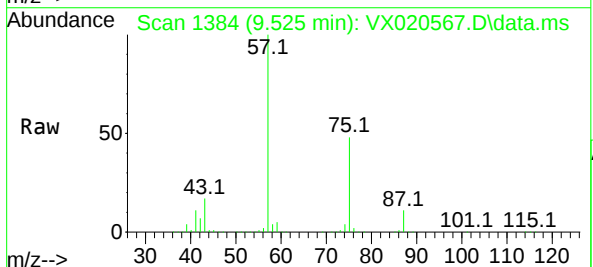
Instrument :
 MSVOA_X
 ClientSampled :

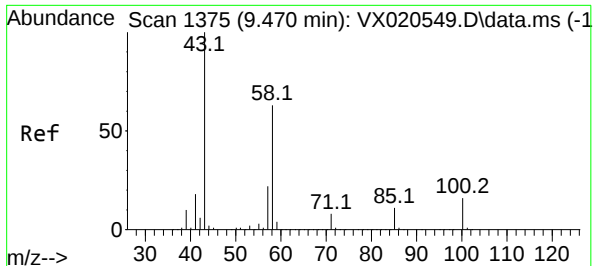
Tgt Ion: 75 Resp: 25971
 Ion Ratio Lower Upper
 75 100
 77 0.6 25.7 38.5#
 39 24.6 35.1 52.7#



#57
 1,3-Dichloropropane
 Concen: 4.39 ug/l
 RT: 9.525 min Scan# 1384
 Delta R.T. 0.177 min
 Lab File: VX020567.D
 Acq: 11 Jan 2021 22:09

Tgt Ion: 76 Resp: 15555
 Ion Ratio Lower Upper
 76 100
 78 0.3 26.2 39.2#

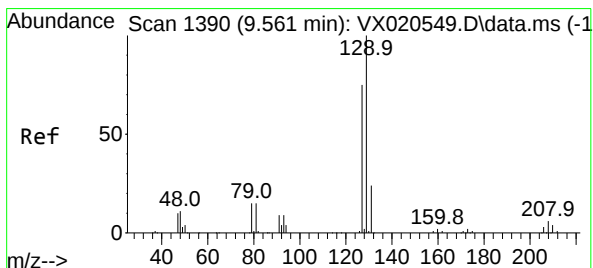
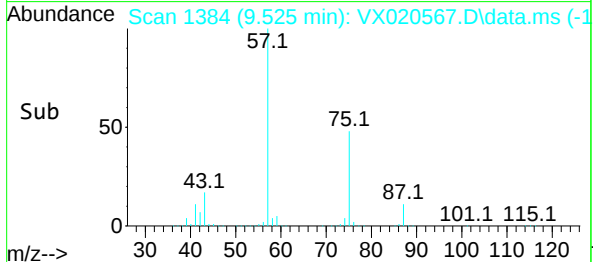
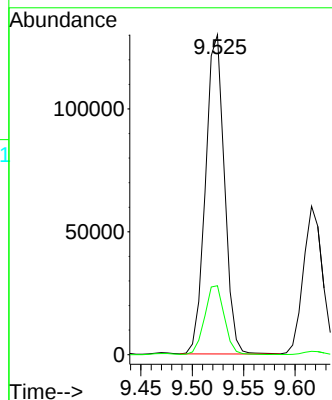
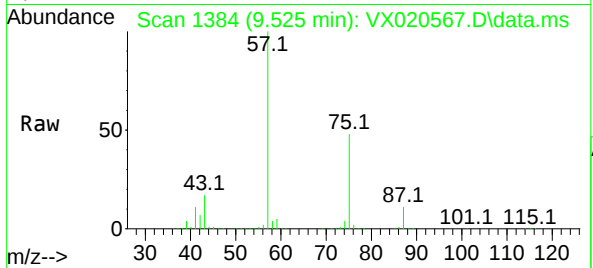




#59
2-Hexanone
Concen: 94.09 ug/l
RT: 9.525 min Scan# 1384
Delta R.T. 0.055 min
Lab File: VX020567.D
Acq: 11 Jan 2021 22:09

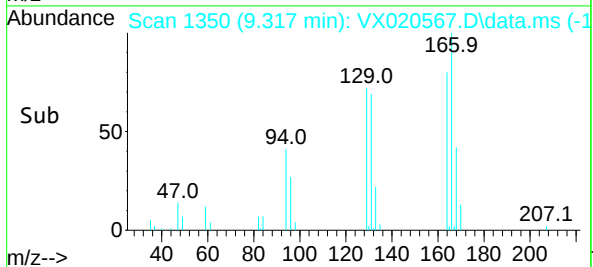
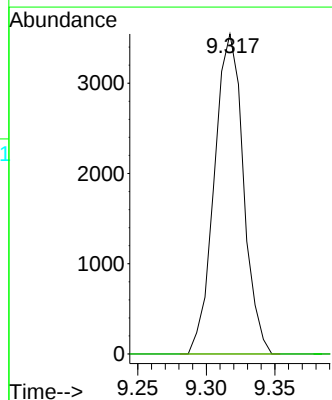
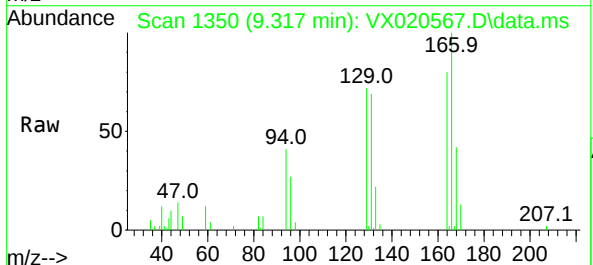
Instrument :
MSVOA_X
ClientSampled :

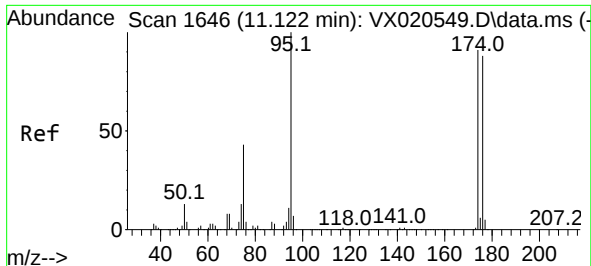
Tgt Ion: 43 Resp: 166521
Ion Ratio Lower Upper
43 100
58 22.5 30.9 92.8#



#60
Dibromochloromethane
Concen: 2.12 ug/l
RT: 9.317 min Scan# 1350
Delta R.T. -0.244 min
Lab File: VX020567.D
Acq: 11 Jan 2021 22:09

Tgt Ion: 129 Resp: 5234
Ion Ratio Lower Upper
129 100
127 0.0 38.4 115.2#

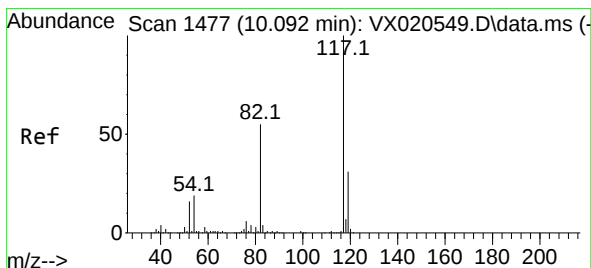
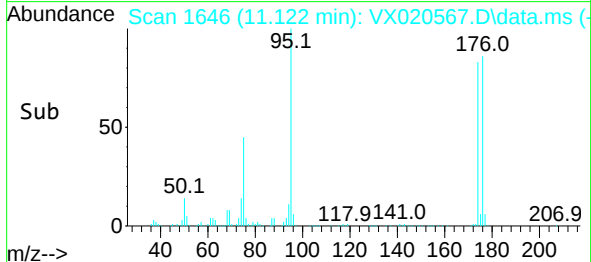
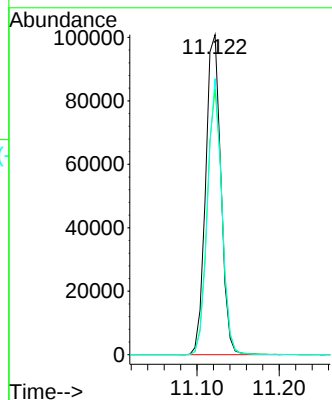
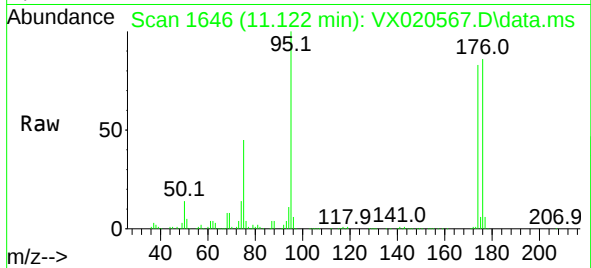




#62
4-Bromofluorobenzene
Concen: 50.10 ug/l
RT: 11.122 min Scan# 1646
Delta R.T. -0.000 min
Lab File: VX020567.D
Acq: 11 Jan 2021 22:09

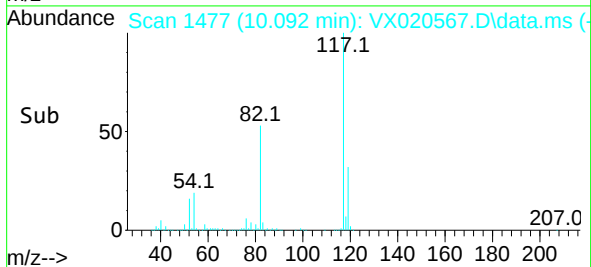
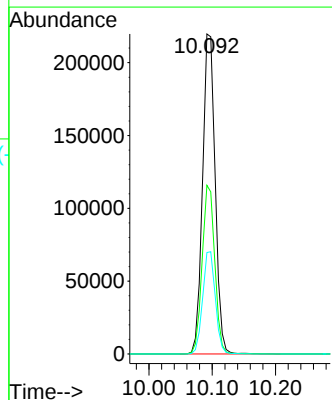
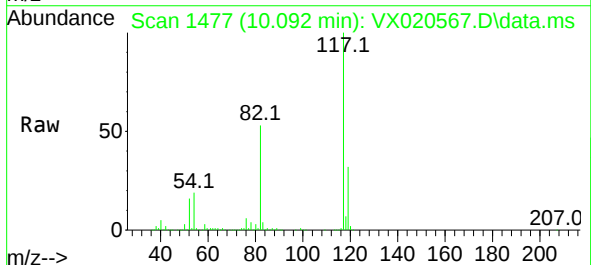
Instrument :
MSVOA_X
ClientSampleId :

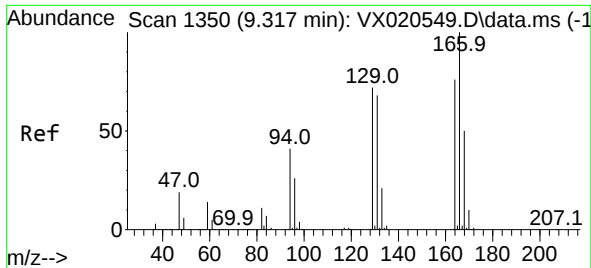
Tgt Ion: 95 Resp: 129762
Ion Ratio Lower Upper
95 100
174 81.1 0.0 154.6
176 80.9 0.0 155.8



#63
Chlorobenzene-d5
Concen: 50.00 ug/l
RT: 10.092 min Scan# 1477
Delta R.T. -0.000 min
Lab File: VX020567.D
Acq: 11 Jan 2021 22:09

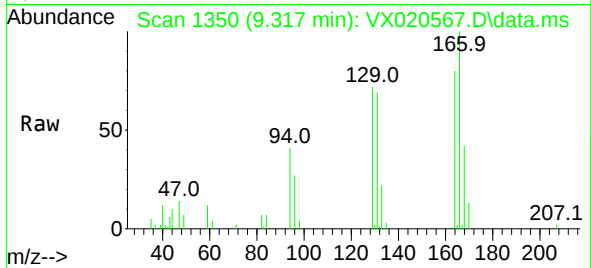
Tgt Ion: 117 Resp: 305284
Ion Ratio Lower Upper
117 100
82 52.7 47.4 71.2
119 31.7 26.6 39.8



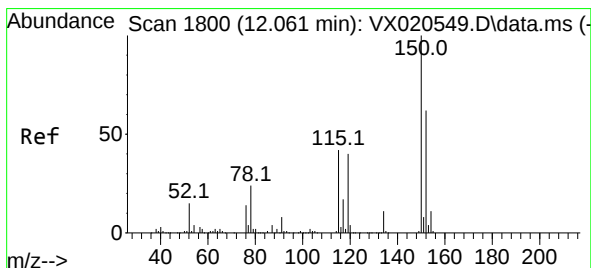
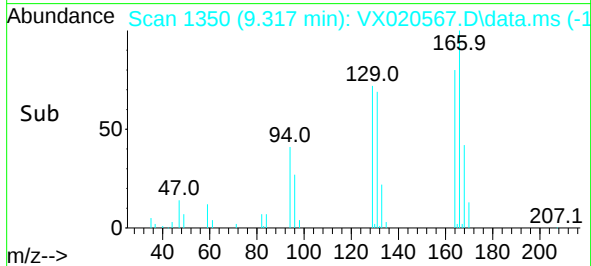
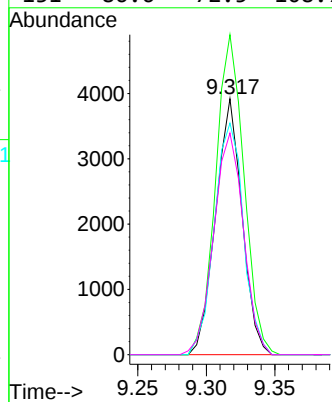


#64
Tetrachloroethene
Concen: 1.91 ug/l
RT: 9.317 min Scan# 1350
Delta R.T. 0.000 min
Lab File: VX020567.D
Acq: 11 Jan 2021 22:09

Instrument :
MSVOA_X
ClientSampled :

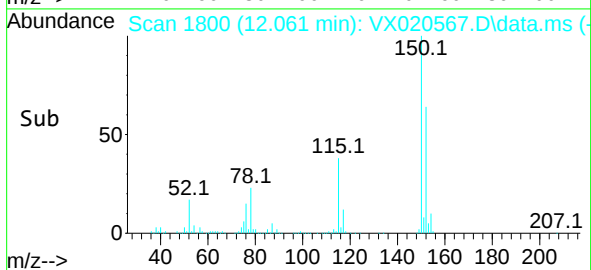
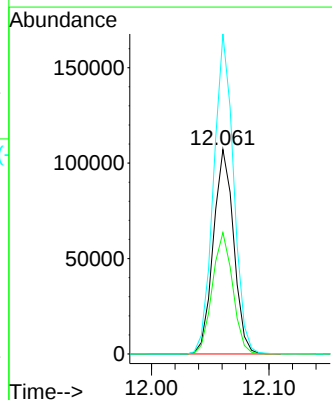
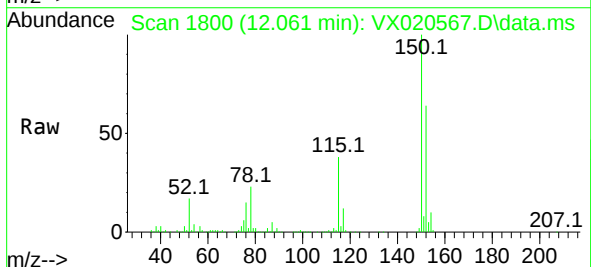


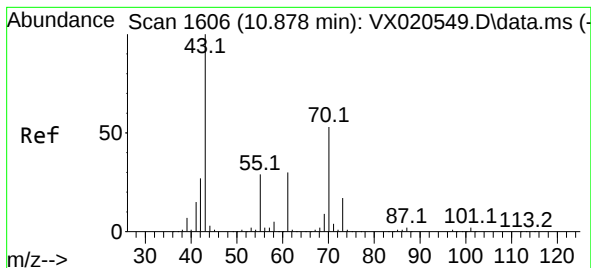
Tgt Ion:164 Resp: 5253
Ion Ratio Lower Upper
164 100
166 125.0 103.4 155.2
129 90.5 70.8 106.2
131 86.6 72.5 108.7



#72
1,4-Dichlorobenzene-d4
Concen: 50.00 ug/l
RT: 12.061 min Scan# 1800
Delta R.T. -0.000 min
Lab File: VX020567.D
Acq: 11 Jan 2021 22:09

Tgt Ion:152 Resp: 128621
Ion Ratio Lower Upper
152 100
115 59.4 41.1 123.3
150 153.9 0.0 349.0

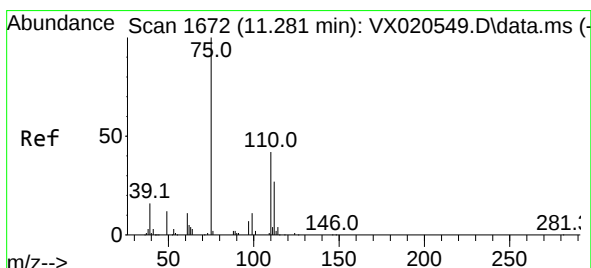
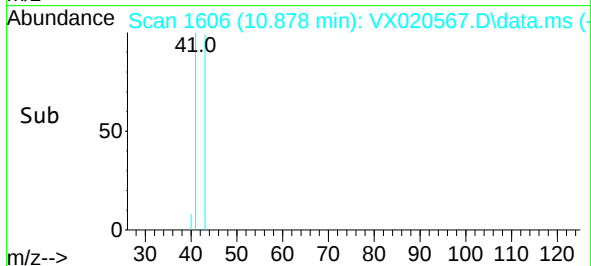
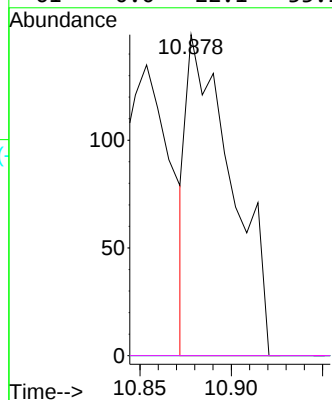
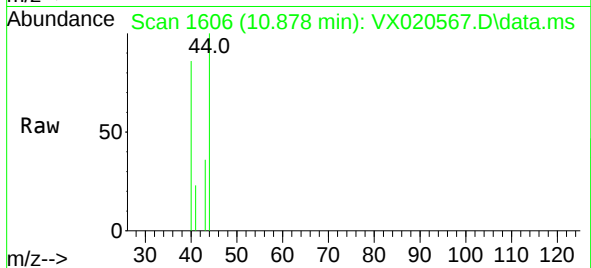




#74
N-amy1 acetate
Concen: 1.32 ug/l
RT: 10.878 min Scan# 1606
Delta R.T. -0.000 min
Lab File: VX020567.D
Acq: 11 Jan 2021 22:09

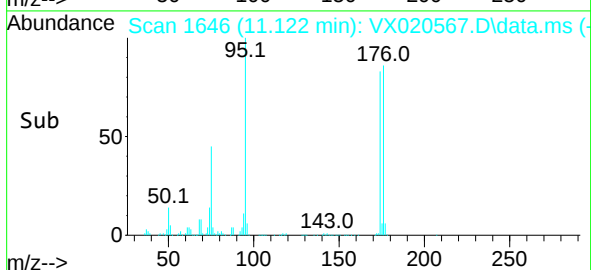
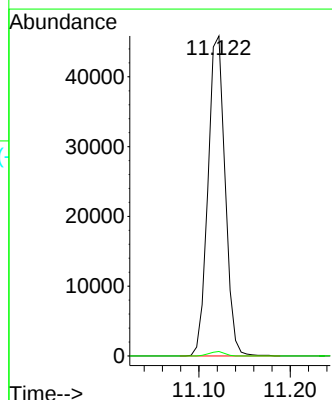
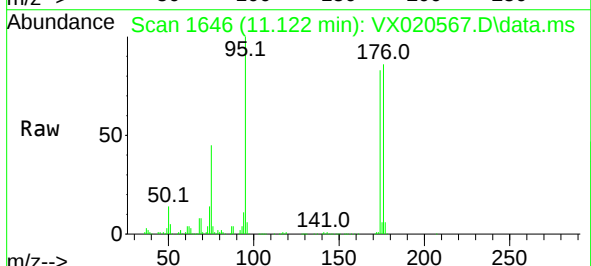
Instrument :
MSVOA_X
ClientSampled :

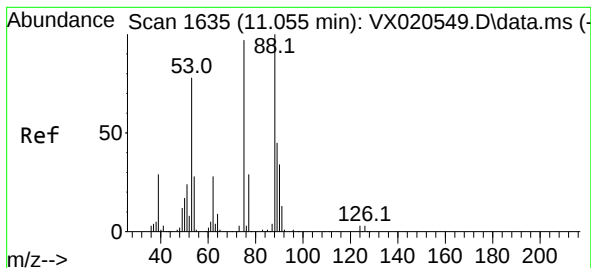
Tgt Ion: 43	Resp: 253
Ion Ratio	Lower Upper
43	100
70	0.0 39.0 58.6#
55	0.0 21.5 32.3#
61	0.0 22.1 33.1#



#76
1,2,3-Trichloropropane
Concen: 21.97 ug/l
RT: 11.122 min Scan# 1646
Delta R.T. -0.159 min
Lab File: VX020567.D
Acq: 11 Jan 2021 22:09

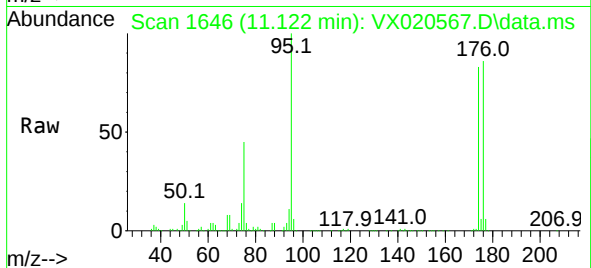
Tgt Ion: 75	Resp: 59516
Ion Ratio	Lower Upper
75	100
77	1.2 19.1 57.5#



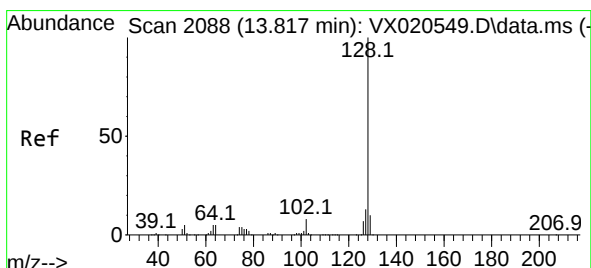
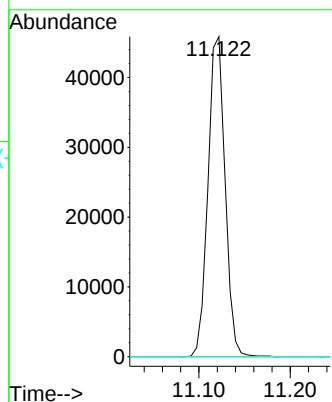
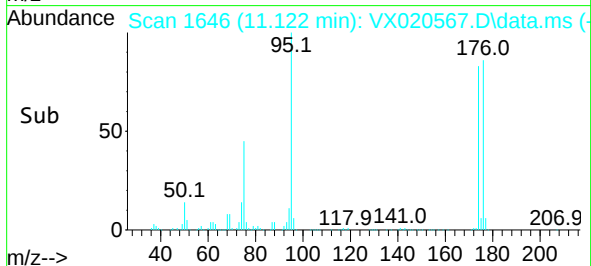


#81
trans-1,4-Dichloro-2-butene
Concen: 59.85 ug/l
RT: 11.122 min Scan# 1646
Delta R.T. 0.067 min
Lab File: VX020567.D
Acq: 11 Jan 2021 22:09

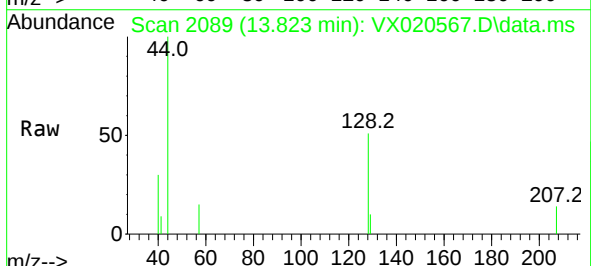
Instrument :
MSVOA_X
ClientSampled :



Tgt Ion: 75 Resp: 59516
Ion Ratio Lower Upper
75 100
53 0.0 74.5 111.7#
89 0.0 37.9 56.9#



#95
Naphthalene
Concen: 3.89 ug/l
RT: 13.823 min Scan# 2089
Delta R.T. 0.006 min
Lab File: VX020567.D
Acq: 11 Jan 2021 22:09



Tgt Ion: 128 Resp: 456
Ion Ratio Lower Upper
128 100
127 0.0 10.3 15.5#
129 9.2 8.8 13.2

