

Data Path : Z:\voasrv\HPCHEM1\MSVOA_D\Data\VD101121\
 Data File : VD070658.D
 Acq On : 11 Oct 2021 14:16
 Operator : VA/SY
 Sample : M4136-05
 Misc : 5.18G/5.00ml/MSVOA_D/SOIL
 ALS Vial : 8 Sample Multiplier: 1

Instrument :
 MSVOA_D
 ClientSampleId :
 PSC124042

Quant Time: Oct 12 05:40:27 2021
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_D\Method\82D100521S.M
 Quant Title : SW846 8260
 QLast Update : Wed Oct 06 09:10:31 2021
 Response via : Initial Calibration

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

Internal Standards						
1) Pentafluorobenzene	7.979	168	134256	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	8.861	114	252581	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.638	117	280934	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.561	152	127227	50.000	ug/l	0.00

System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.332	65	112238	71.036	ug/l	0.00
Spiked Amount	50.000	Range	50 - 163	Recovery	= 142.080%	
35) Dibromofluoromethane	7.914	113	94252	56.126	ug/l	0.00
Spiked Amount	50.000	Range	54 - 147	Recovery	= 112.260%	
50) Toluene-d8	10.338	98	333668	51.975	ug/l	0.00
Spiked Amount	50.000	Range	49 - 140	Recovery	= 103.960%	
62) 4-Bromofluorobenzene	12.626	95	129899	60.541	ug/l	0.00
Spiked Amount	50.000	Range	25 - 144	Recovery	= 121.080%	

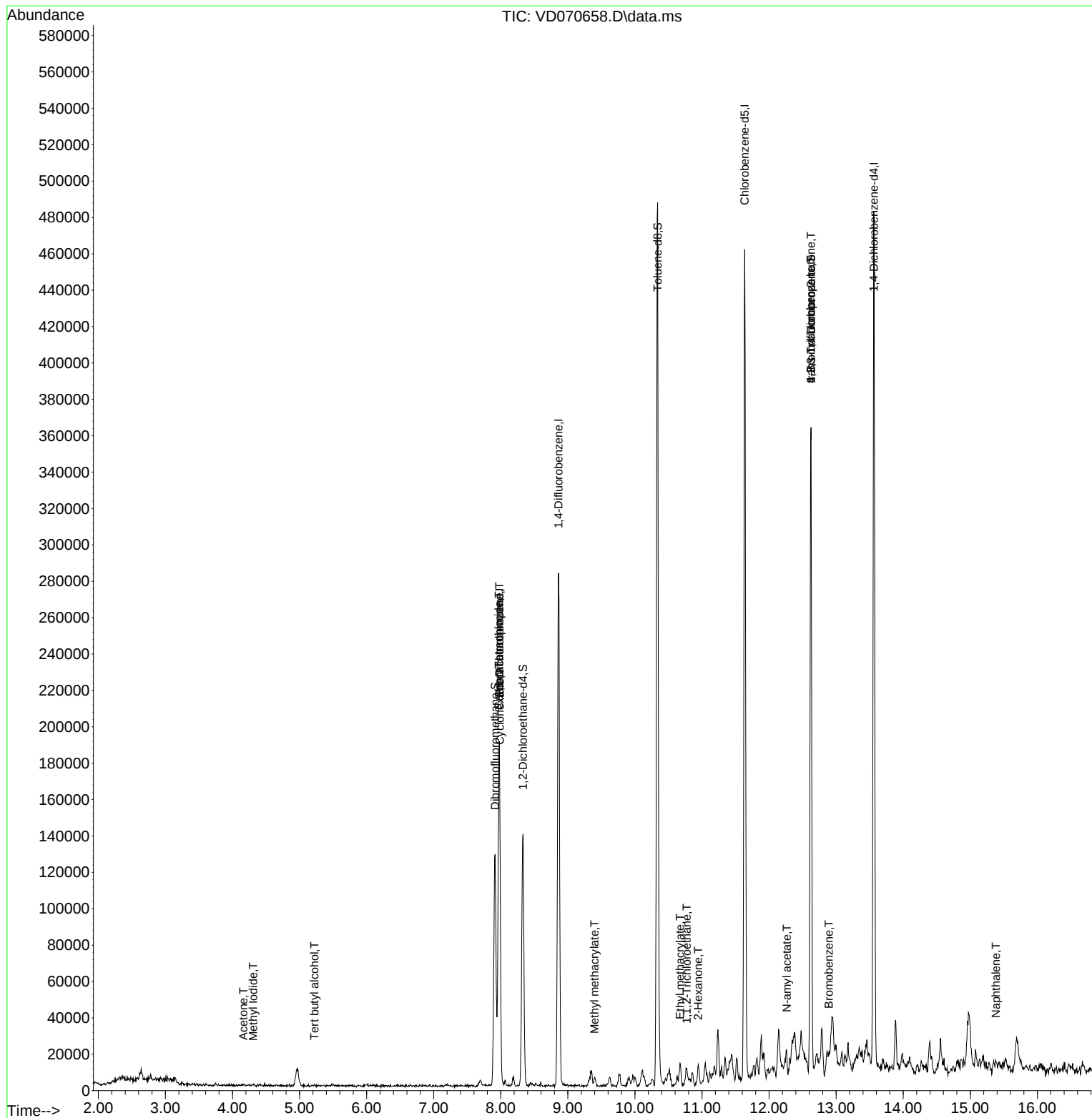
Target Compounds			Qvalue			
5) Bromomethane	2.779	94	1896	Below Cal	91	
10) Methyl Iodide	4.309	142	1092	1.327 ug/l #	56	
11) Tert butyl alcohol	5.220	59	110	1.405 ug/l #	83	
16) Acetone	4.162	43	1289	4.804 ug/l #	40	
20) Methylene Chloride	4.973	84	7810	Below Cal #	84	
31) Cyclohexane	7.985	56	3631	1.241 ug/l #	18	
36) 1,1-Dichloropropene	7.979	75	12350	4.604 ug/l #	50	
38) Carbon Tetrachloride	7.973	117	15311	5.454 ug/l #	19	
48) Methyl methacrylate	9.397	41	997	1.302 ug/l #	22	
55) 1,1,2-Trichloroethane	10.773	97	3374	2.391 ug/l #	19	
56) Ethyl methacrylate	10.673	69	1727	2.370 ug/l #	55	
59) 2-Hexanone	10.943	43	4423	3.642 ug/l #	20	
74) N-amyl acetate	12.267	43	2999	1.716 ug/l #	55	
76) 1,2,3-Trichloropropane	12.626	75	60490	52.529 ug/l #	100	
77) Bromobenzene	12.890	156	2257	1.088 ug/l #	1	
81) trans-1,4-Dichloro-2-b...	12.626	75	60490	116.625 ug/l #	18	
95) Naphthalene	15.384	128	2409	3.057 ug/l #	89	

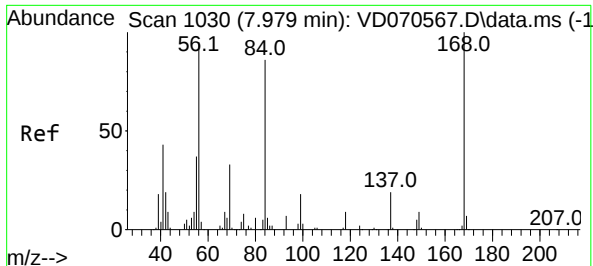
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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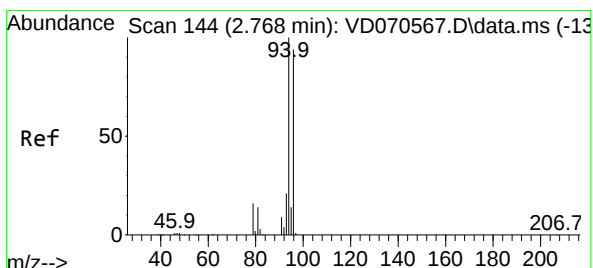
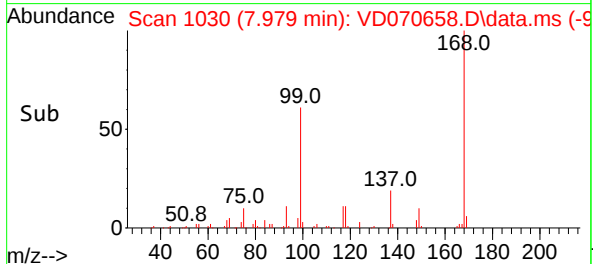
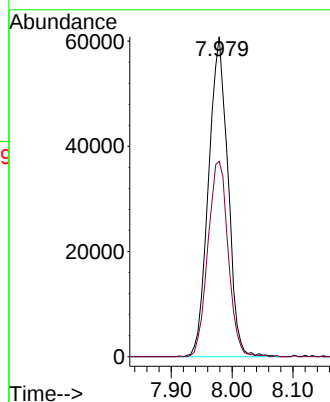
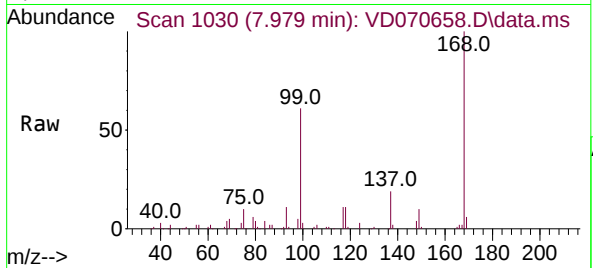




#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 7.979 min Scan# 1030
Delta R.T. -0.000 min
Lab File: VD070658.D
Acq: 11 Oct 2021 14:16

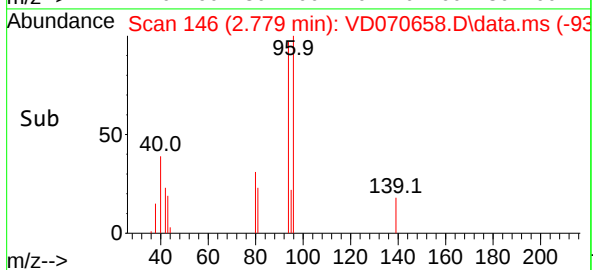
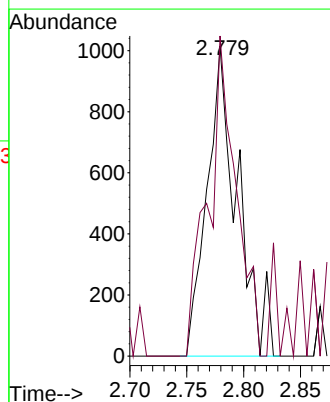
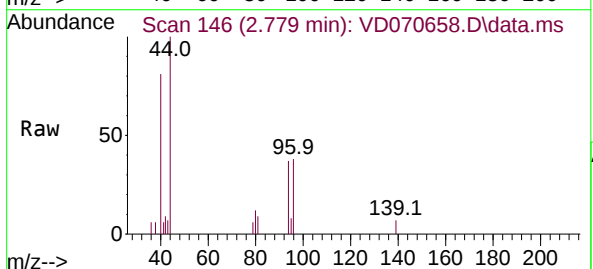
Instrument :
MSVOA_D
ClientSampleId :
PSC124042

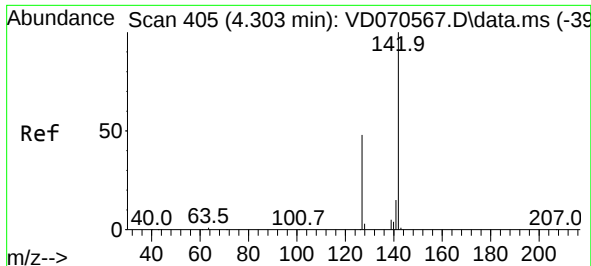
Tgt Ion:168 Resp: 134256
Ion Ratio Lower Upper
168 100
99 61.0 51.4 77.0



#5
Bromomethane
Concen: Below Cal
RT: 2.779 min Scan# 146
Delta R.T. 0.011 min
Lab File: VD070658.D
Acq: 11 Oct 2021 14:16

Tgt Ion: 94 Resp: 1896
Ion Ratio Lower Upper
94 100
96 103.3 75.5 113.3

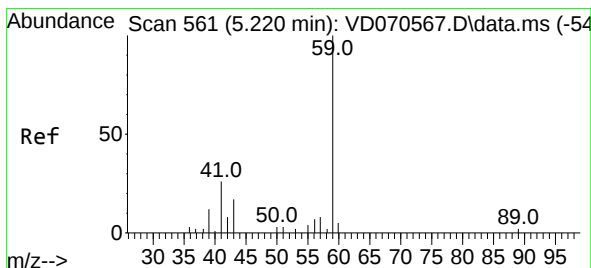
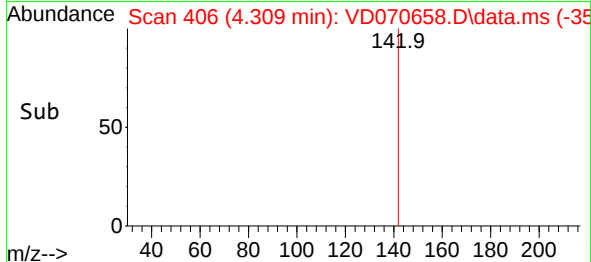
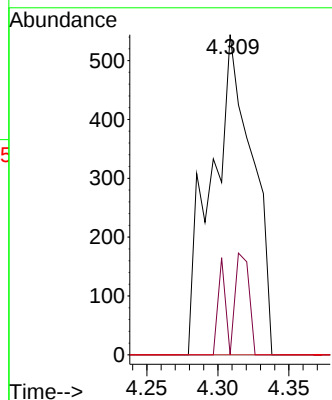
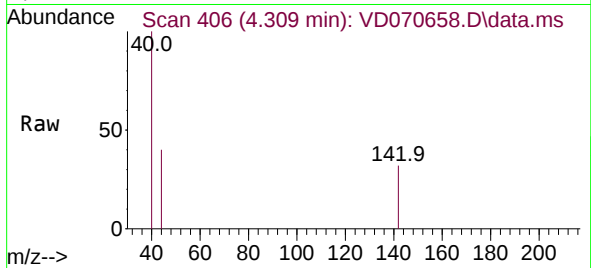




#10
Methyl Iodide
Concen: 1.327 ug/l
RT: 4.309 min Scan# 406
Delta R.T. 0.006 min
Lab File: VD070658.D
Acq: 11 Oct 2021 14:16

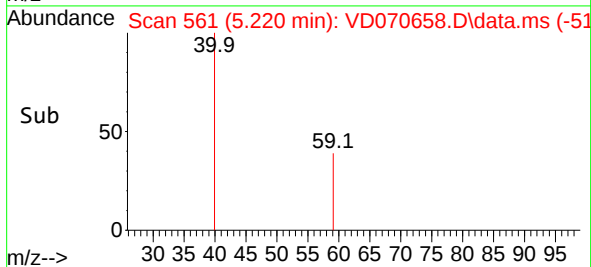
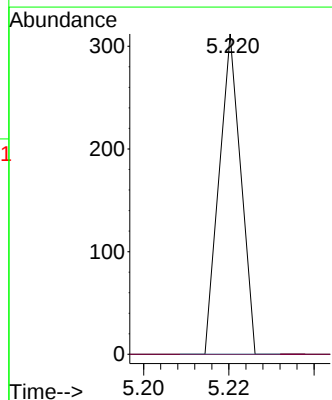
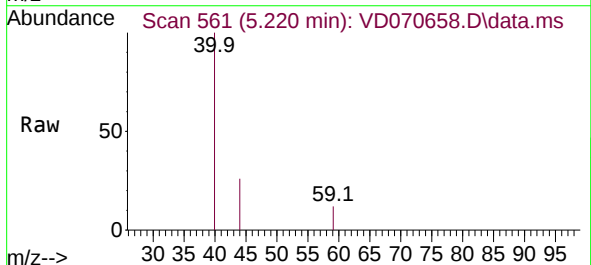
Instrument :
MSVOA_D
ClientSampleId :
PSC124042

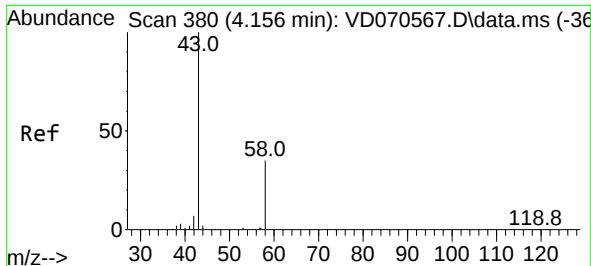
Tgt Ion:142 Resp: 1092
Ion Ratio Lower Upper
142 100
127 16.0 37.5 56.3#
141 0.0 12.1 18.1#



#11
Tert butyl alcohol
Concen: 1.405 ug/l
RT: 5.220 min Scan# 561
Delta R.T. 0.000 min
Lab File: VD070658.D
Acq: 11 Oct 2021 14:16

Tgt Ion: 59 Resp: 110
Ion Ratio Lower Upper
59 100
57 0.0 4.5 6.7#

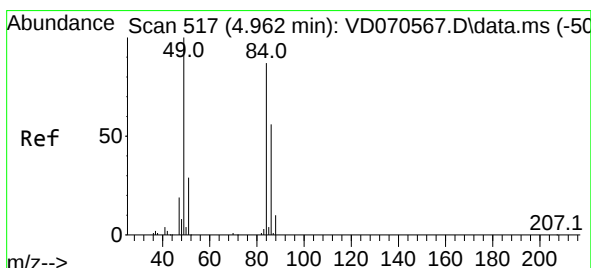
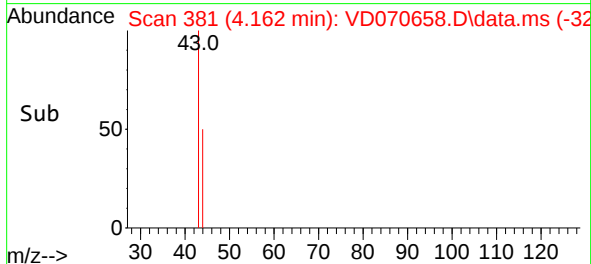
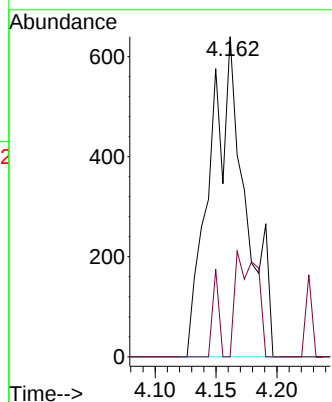
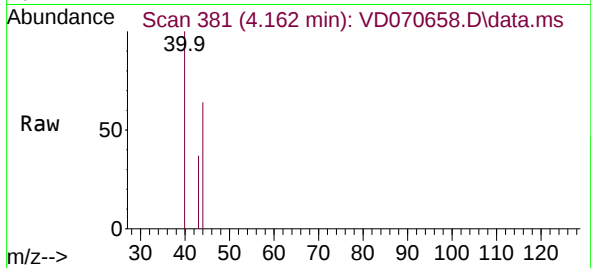




#16
Acetone
Concen: 4.804 ug/l
RT: 4.162 min Scan# 381
Delta R.T. 0.006 min
Lab File: VD070658.D
Acq: 11 Oct 2021 14:16

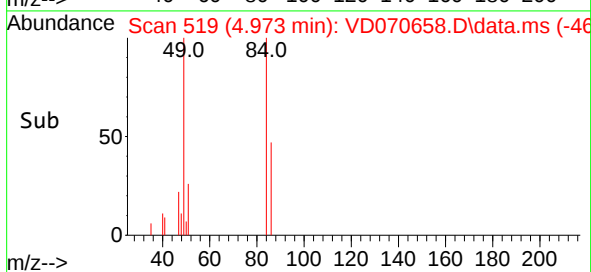
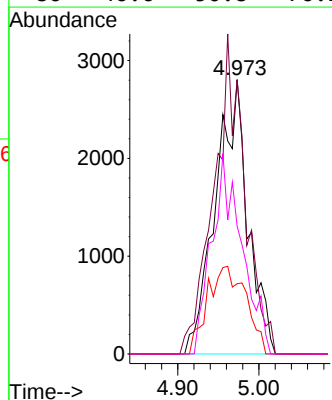
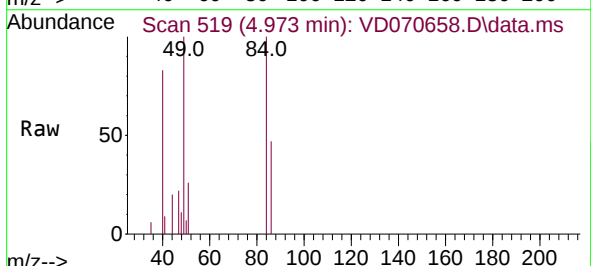
Instrument :
MSVOA_D
ClientSampleId :
PSC124042

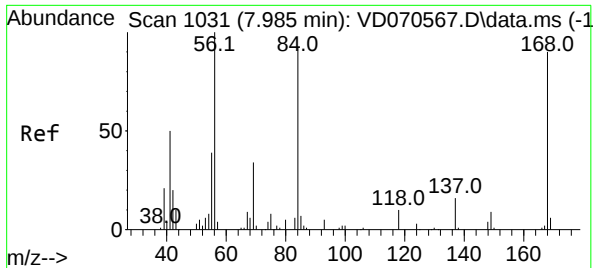
Tgt Ion: 43 Resp: 1289
Ion Ratio Lower Upper
43 100
58 0.0 28.2 42.2#



#20
Methylene Chloride
Concen: Below Cal
RT: 4.973 min Scan# 519
Delta R.T. 0.011 min
Lab File: VD070658.D
Acq: 11 Oct 2021 14:16

Tgt Ion: 84 Resp: 7810
Ion Ratio Lower Upper
84 100
49 100.1 91.4 137.2
51 25.7 26.7 40.1#
86 46.6 50.8 76.2#

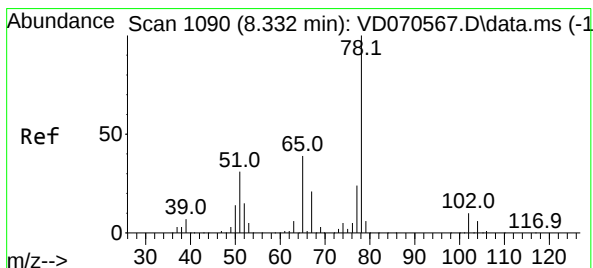
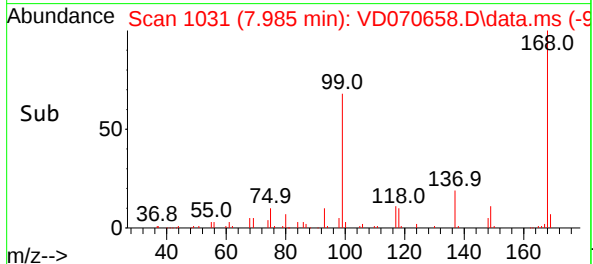
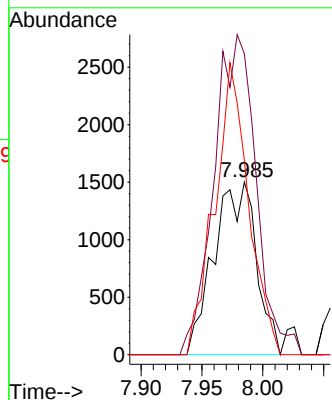
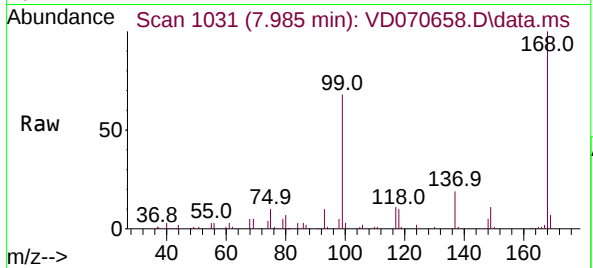




#31
Cyclohexane
Concen: 1.241 ug/l
RT: 7.985 min Scan# 1031
Delta R.T. -0.000 min
Lab File: VD070658.D
Acq: 11 Oct 2021 14:16

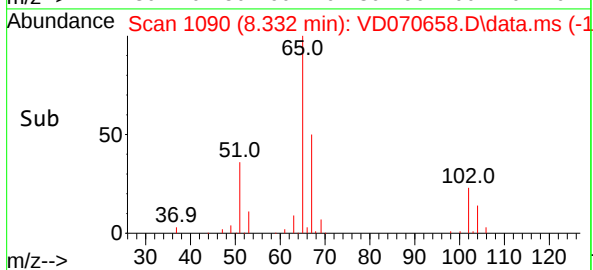
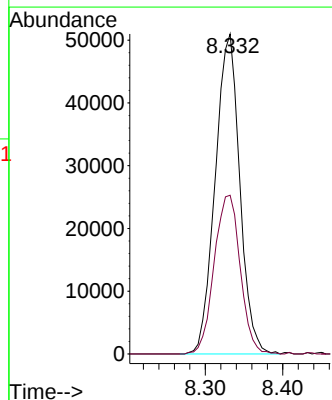
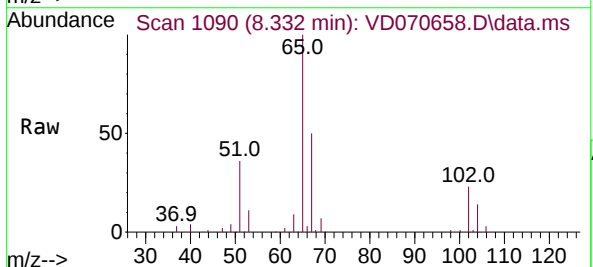
Instrument :
MSVOA_D
ClientSampleId :
PSC124042

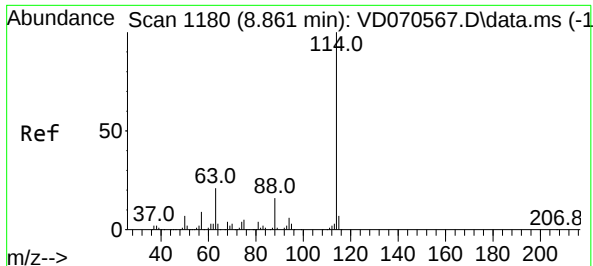
Tgt Ion: 56 Resp: 3631
Ion Ratio Lower Upper
56 100
69 174.3 27.4 41.2#
84 112.7 73.6 110.4#



#33
1,2-Dichloroethane-d4
Concen: 71.036 ug/l
RT: 8.332 min Scan# 1090
Delta R.T. -0.000 min
Lab File: VD070658.D
Acq: 11 Oct 2021 14:16

Tgt Ion: 65 Resp: 112238
Ion Ratio Lower Upper
65 100
67 52.6 0.0 110.2



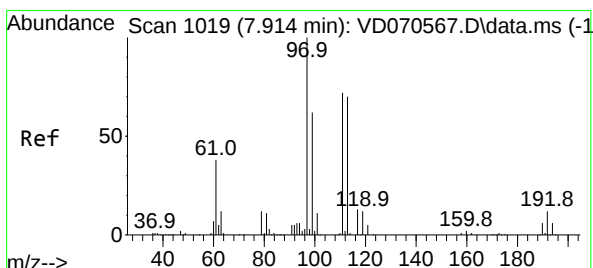
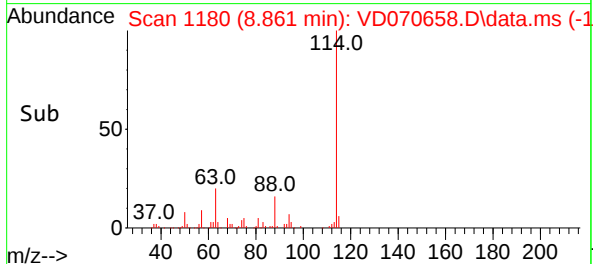
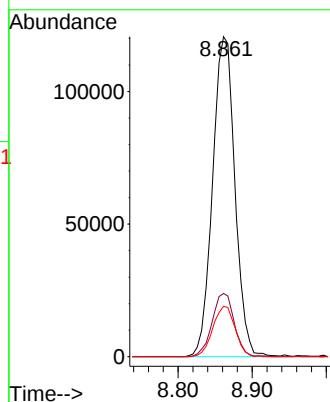
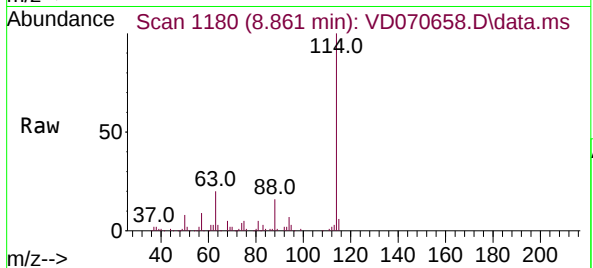


#34

1,4-Difluorobenzene
Concen: 50.000 ug/l
RT: 8.861 min Scan# 1180
Delta R.T. -0.000 min
Lab File: VD070658.D
Acq: 11 Oct 2021 14:16

Instrument :
MSVOA_D
ClientSampleId :
PSC124042

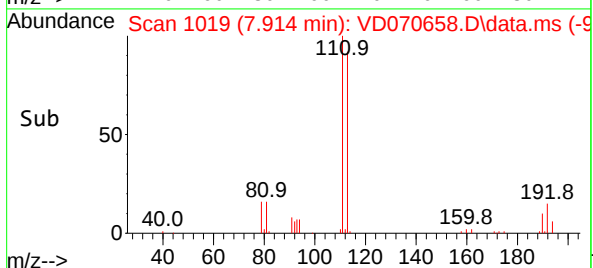
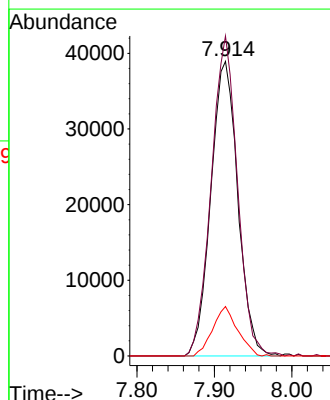
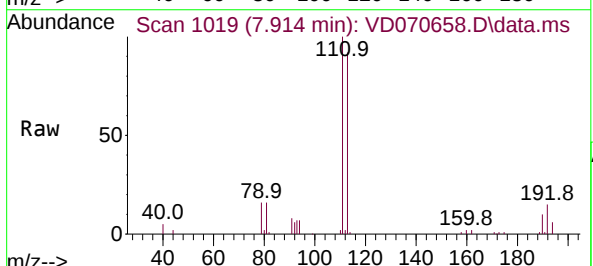
Tgt Ion:	114	Resp:	252581
Ion	Ratio	Lower	Upper
114	100		
63	19.7	0.0	41.8
88	15.7	0.0	32.6

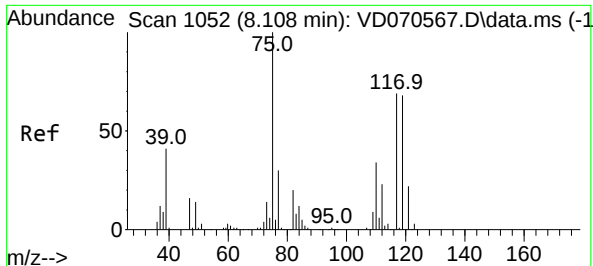


#35

Dibromofluoromethane
Concen: 56.126 ug/l
RT: 7.914 min Scan# 1019
Delta R.T. -0.000 min
Lab File: VD070658.D
Acq: 11 Oct 2021 14:16

Tgt Ion:	113	Resp:	94252
Ion	Ratio	Lower	Upper
113	100		
111	105.2	83.1	124.7
192	15.5	12.7	19.1



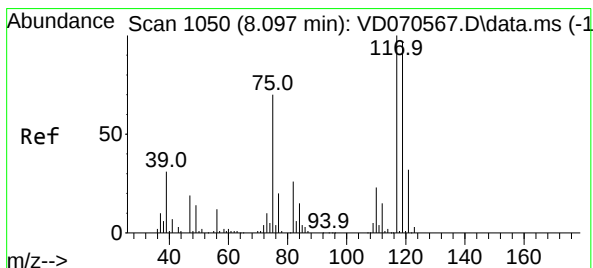
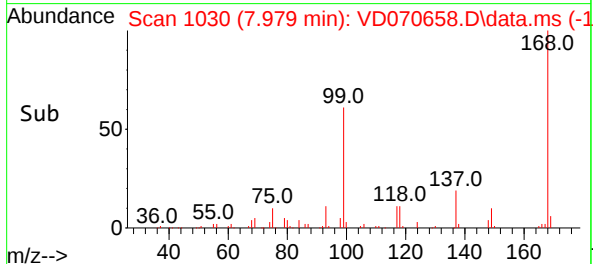
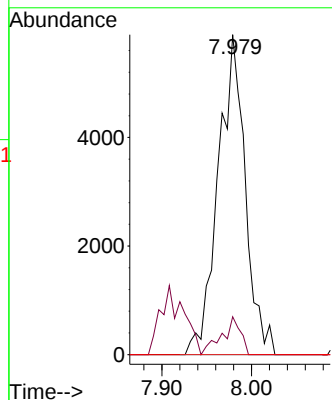
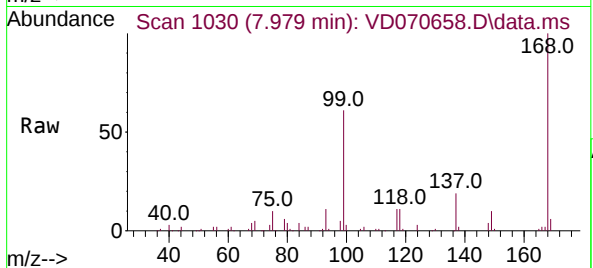


#36

1,1-Dichloropropene
Concen: 4.604 ug/l
RT: 7.979 min Scan# 1030
Delta R.T. -0.130 min
Lab File: VD070658.D
Acq: 11 Oct 2021 14:16

Instrument :
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ClientSampleId :
PSC124042

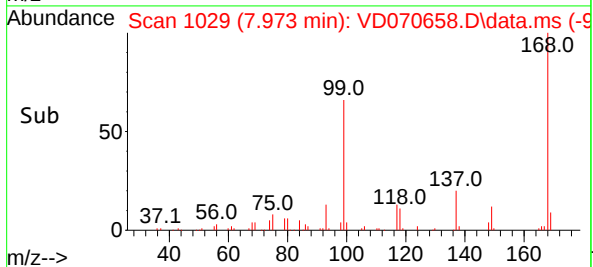
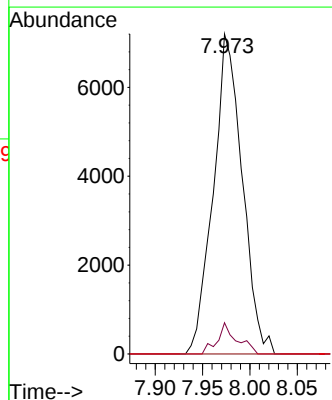
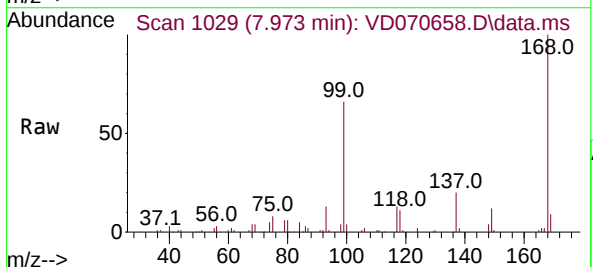
Tgt Ion: 75 Resp: 12350
Ion Ratio Lower Upper
75 100
110 8.2 17.2 51.6#
77 0.0 24.2 36.4#

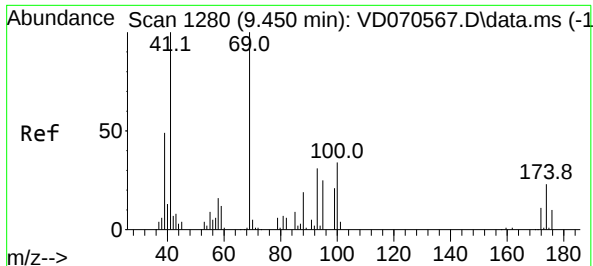


#38

Carbon Tetrachloride
Concen: 5.454 ug/l
RT: 7.973 min Scan# 1029
Delta R.T. -0.124 min
Lab File: VD070658.D
Acq: 11 Oct 2021 14:16

Tgt Ion: 117 Resp: 15311
Ion Ratio Lower Upper
117 100
119 9.7 77.4 116.0#
121 0.0 25.4 38.0#





#48

Methyl methacrylate

Concen: 1.302 ug/l

RT: 9.397 min Scan# 1271

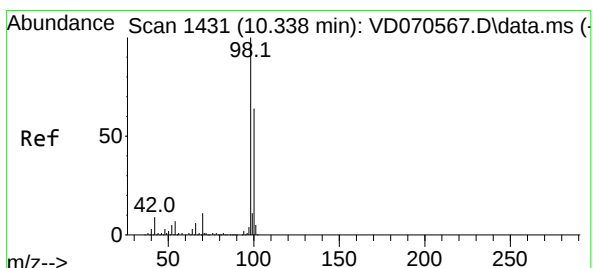
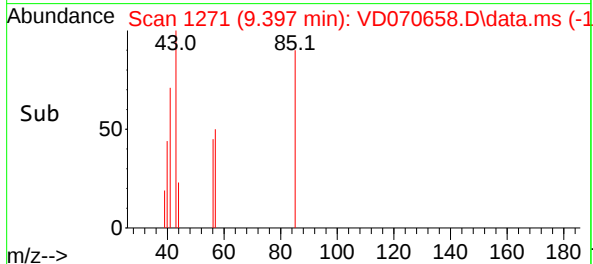
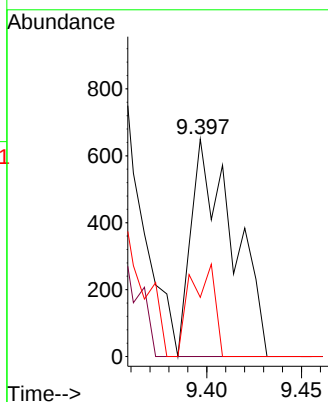
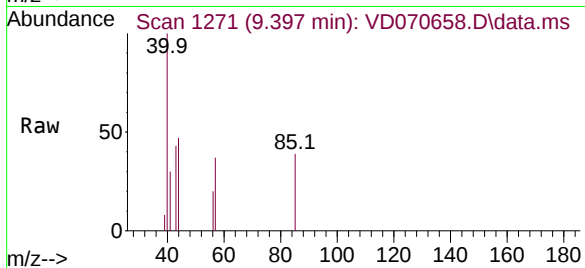
Delta R.T. -0.053 min

Lab File: VD070658.D

Acq: 11 Oct 2021 14:16

Tgt Ion:	41	Resp:	997
Ion	Ratio	Lower	Upper
41	100		
69	0.0	78.5	117.7#
39	24.7	34.9	52.3#

Instrument :
MSVOA_D
ClientSampleId :
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#50

Toluene-d8

Concen: 51.975 ug/l

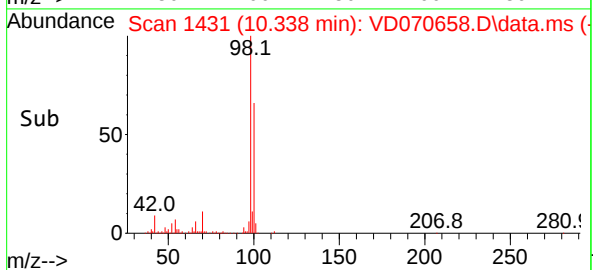
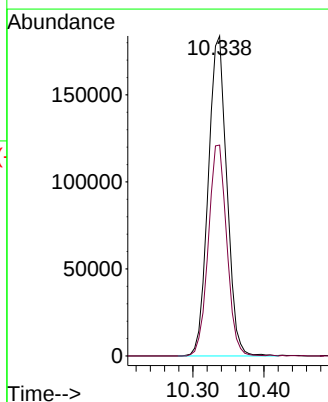
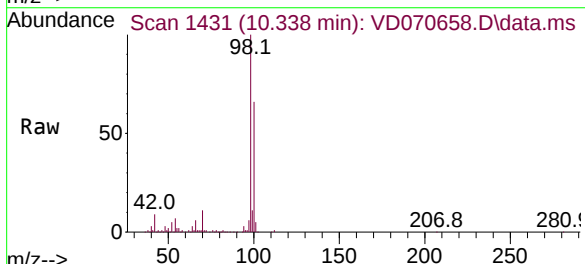
RT: 10.338 min Scan# 1431

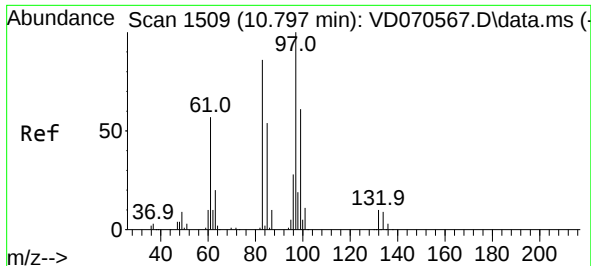
Delta R.T. -0.000 min

Lab File: VD070658.D

Acq: 11 Oct 2021 14:16

Tgt Ion:	98	Resp:	333668
Ion	Ratio	Lower	Upper
98	100		
100	65.5	52.2	78.4

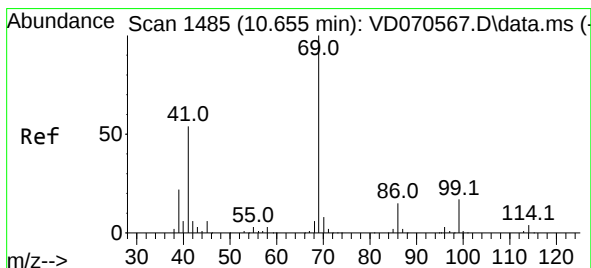
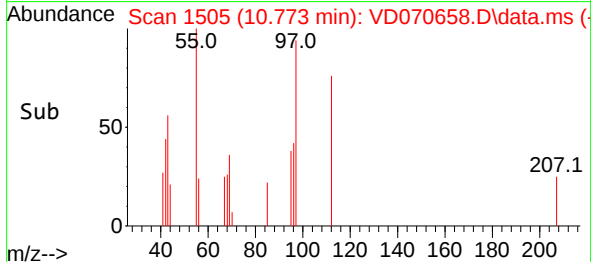
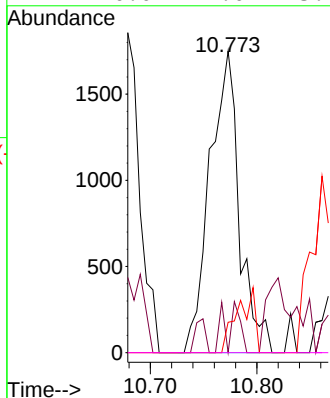
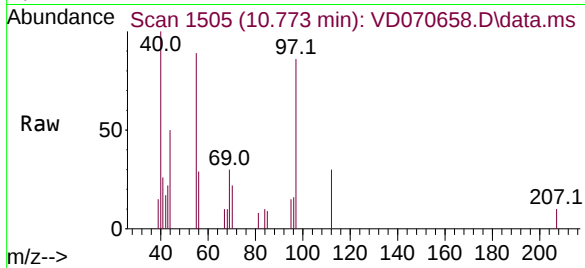




#55
1,1,2-Trichloroethane
Concen: 2.391 ug/l
RT: 10.773 min Scan# 1505
Delta R.T. -0.024 min
Lab File: VD070658.D
Acq: 11 Oct 2021 14:16

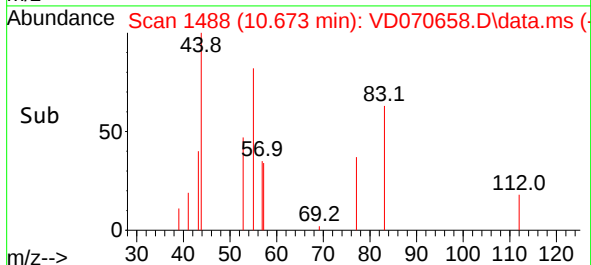
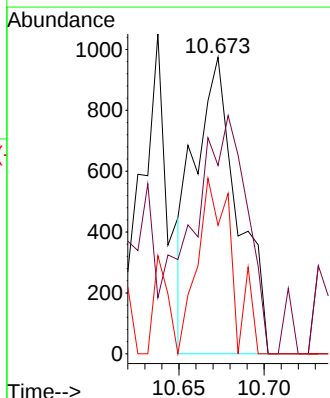
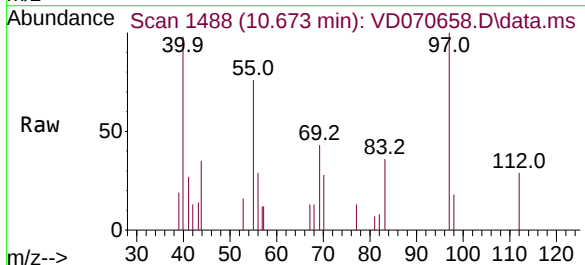
Instrument :
MSVOA_D
ClientSampleId :
PSC124042

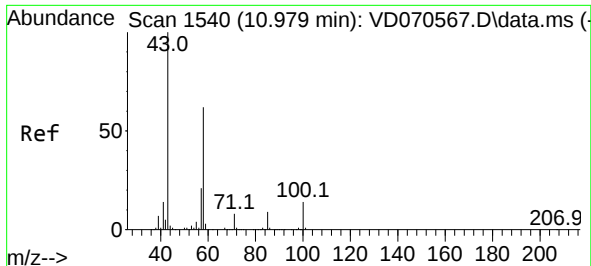
Tgt Ion: 97	Resp: 3374
Ion Ratio	Lower Upper
97 100	
83 0.0	69.1 103.7#
85 10.1	43.0 64.6#
99 0.0	49.0 73.6#



#56
Ethyl methacrylate
Concen: 2.370 ug/l
RT: 10.673 min Scan# 1488
Delta R.T. 0.018 min
Lab File: VD070658.D
Acq: 11 Oct 2021 14:16

Tgt Ion: 69	Resp: 1727
Ion Ratio	Lower Upper
69 100	
41 88.5	44.7 67.1#
39 46.9	19.5 29.3#

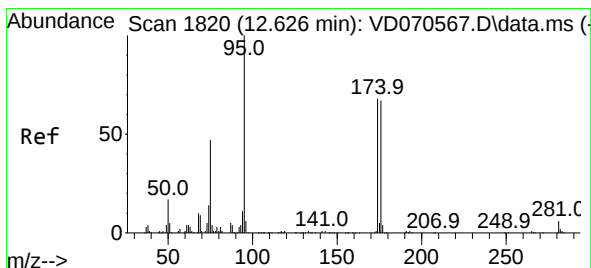
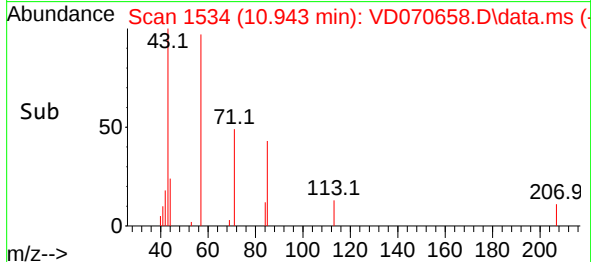
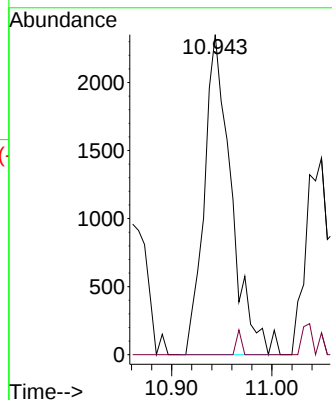
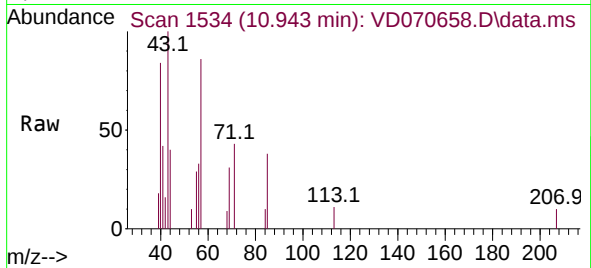




#59
2-Hexanone
Concen: 3.642 ug/l
RT: 10.943 min Scan# 1534
Delta R.T. -0.036 min
Lab File: VD070658.D
Acq: 11 Oct 2021 14:16

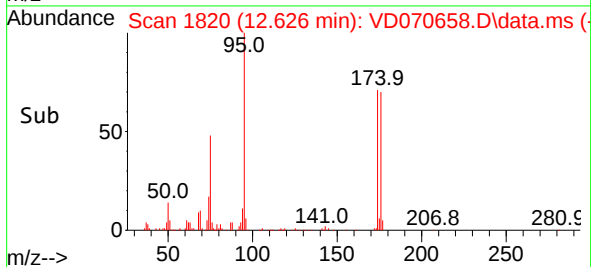
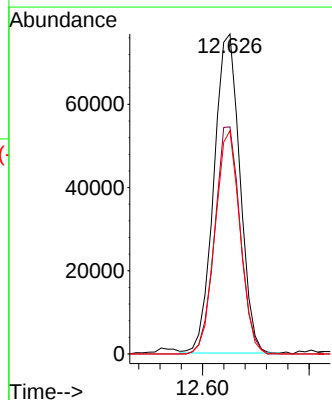
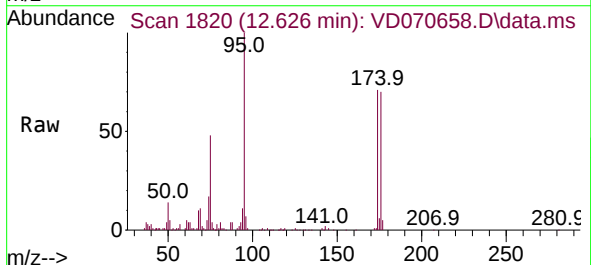
Instrument :
MSVOA_D
ClientSampleId :
PSC124042

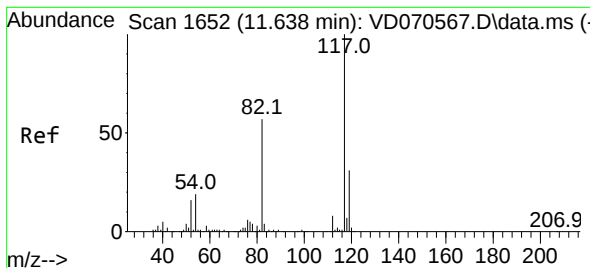
Tgt Ion: 43 Resp: 4423
Ion Ratio Lower Upper
43 100
58 0.0 30.4 91.3#



#62
4-Bromofluorobenzene
Concen: 60.541 ug/l
RT: 12.626 min Scan# 1820
Delta R.T. -0.000 min
Lab File: VD070658.D
Acq: 11 Oct 2021 14:16

Tgt Ion: 95 Resp: 129899
Ion Ratio Lower Upper
95 100
174 69.5 0.0 138.0
176 67.3 0.0 135.6

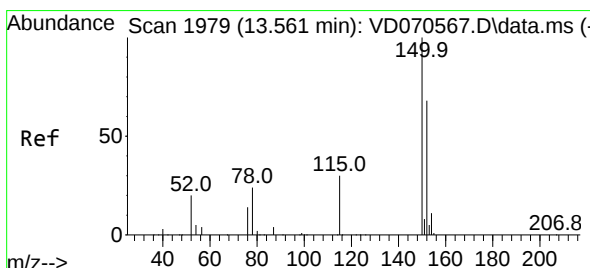
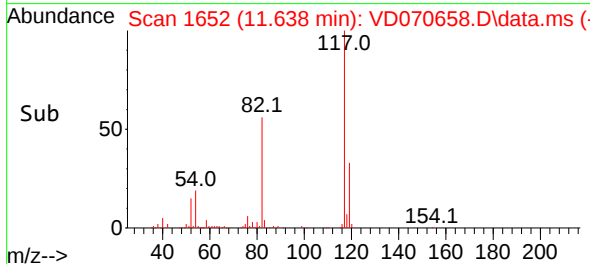
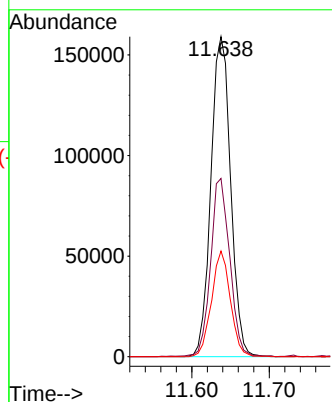
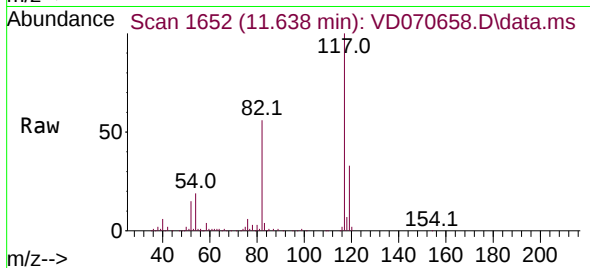




#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.638 min Scan# 1652
Delta R.T. -0.000 min
Lab File: VD070658.D
Acq: 11 Oct 2021 14:16

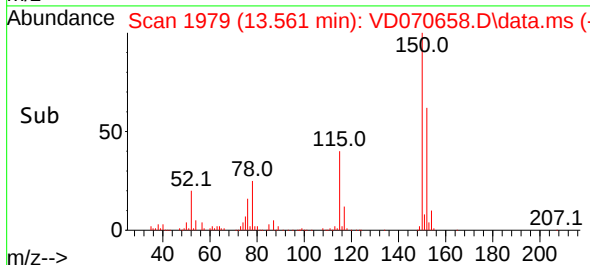
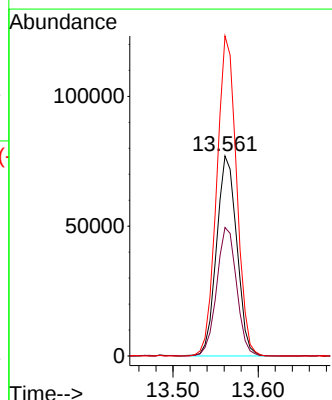
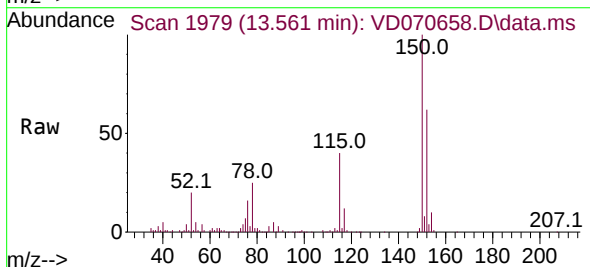
Instrument :
MSVOA_D
ClientSampleId :
PSC124042

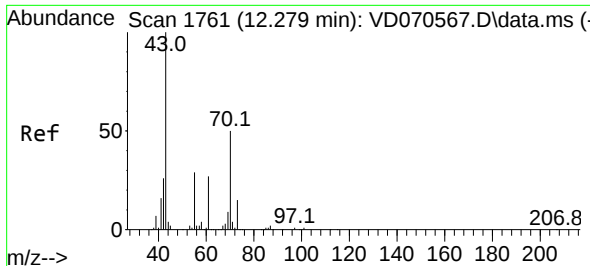
Tgt Ion:	117	Resp:	280934
Ion	Ratio	Lower	Upper
117	100		
82	55.6	45.4	68.2
119	33.0	24.7	37.1



#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 13.561 min Scan# 1979
Delta R.T. -0.000 min
Lab File: VD070658.D
Acq: 11 Oct 2021 14:16

Tgt Ion:	152	Resp:	127227
Ion	Ratio	Lower	Upper
152	100		
115	63.2	31.9	95.7
150	156.5	0.0	350.0

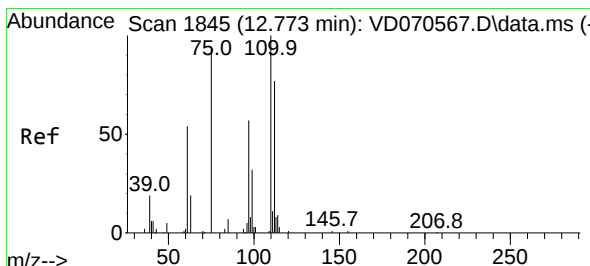
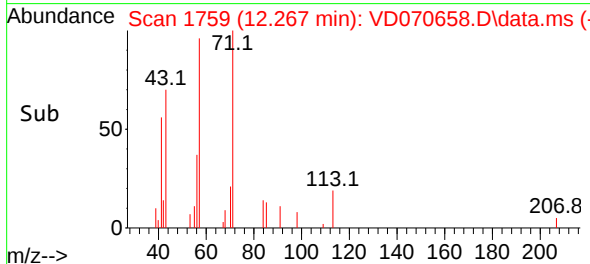
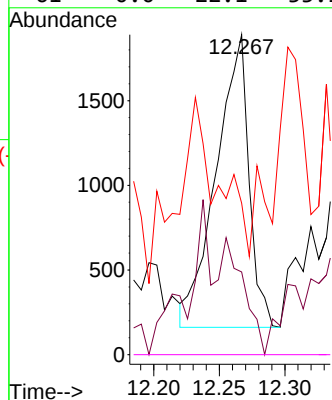
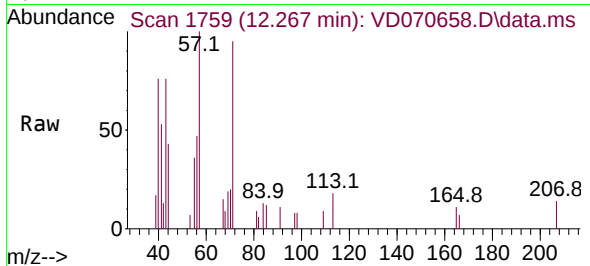




#74
N-amy1 acetate
Concen: 1.716 ug/l
RT: 12.267 min Scan# 1759
Delta R.T. -0.012 min
Lab File: VD070658.D
Acq: 11 Oct 2021 14:16

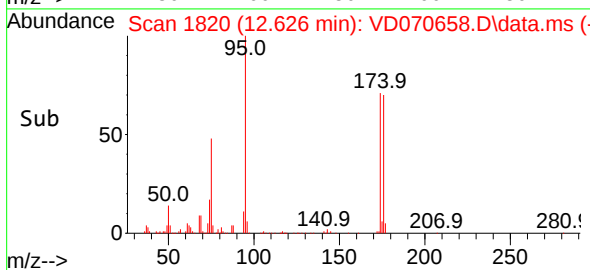
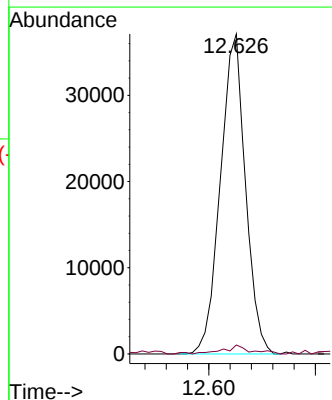
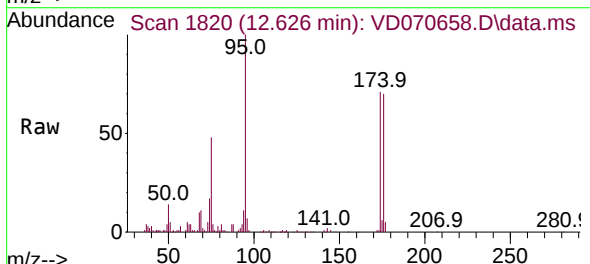
Instrument :
MSVOA_D
ClientSampleId :
PSC124042

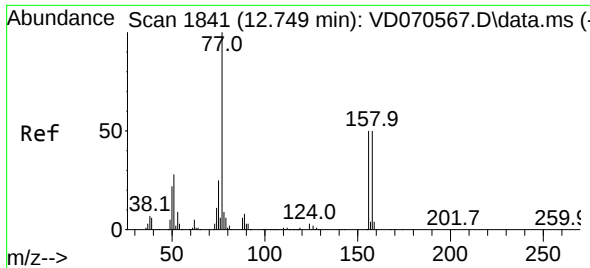
Tgt Ion:	43	Resp:	2999
Ion	Ratio	Lower	Upper
43	100		
70	25.5	40.0	60.0#
55	0.0	23.8	35.6#
61	0.0	22.1	33.1#



#76
1,2,3-Trichloropropane
Concen: 52.529 ug/l
RT: 12.626 min Scan# 1820
Delta R.T. -0.147 min
Lab File: VD070658.D
Acq: 11 Oct 2021 14:16

Tgt Ion:	75	Resp:	60490
Ion	Ratio	Lower	Upper
75	100		
77	2.6	0.0	0.0#

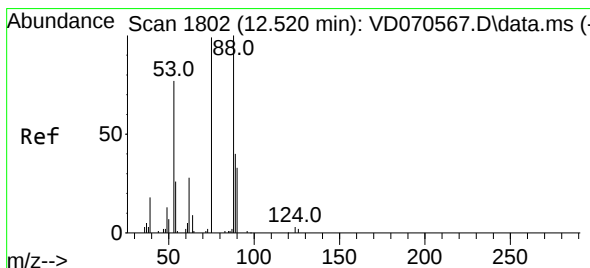
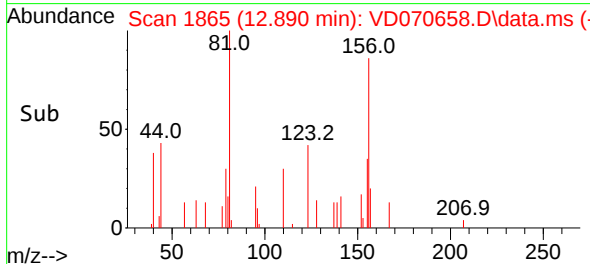
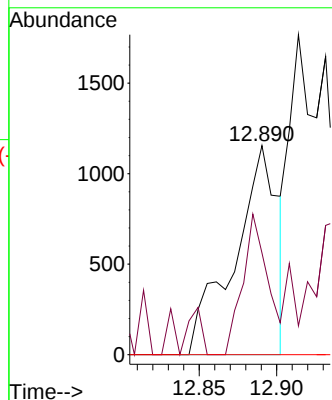
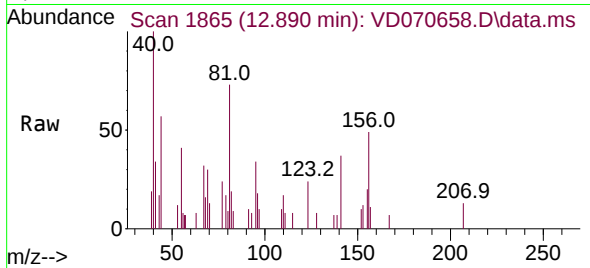




#77
Bromobenzene
Concen: 1.088 ug/l
RT: 12.890 min Scan# 1865
Delta R.T. 0.141 min
Lab File: VD070658.D
Acq: 11 Oct 2021 14:16

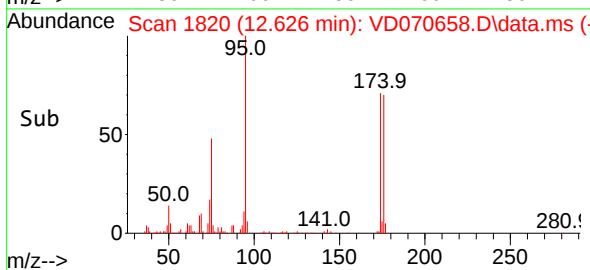
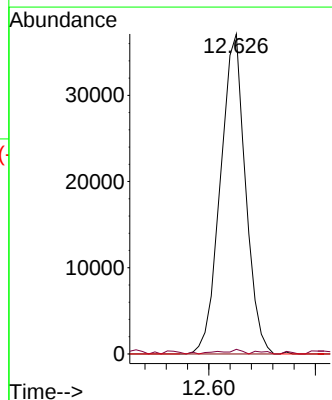
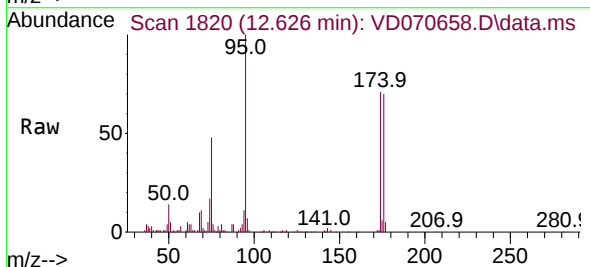
Instrument :
MSVOA_D
ClientSampleId :
PSC124042

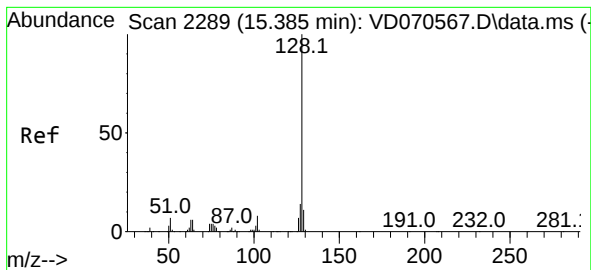
Tgt Ion:156 Resp: 2257
Ion Ratio Lower Upper
156 100
77 38.9 105.7 317.1#
158 0.0 48.9 146.6#



#81
trans-1,4-Dichloro-2-butene
Concen: 116.625 ug/l
RT: 12.626 min Scan# 1820
Delta R.T. 0.106 min
Lab File: VD070658.D
Acq: 11 Oct 2021 14:16

Tgt Ion: 75 Resp: 60490
Ion Ratio Lower Upper
75 100
53 1.1 64.5 96.7#
89 0.0 35.3 52.9#





#95
Naphthalene
Concen: 3.057 ug/l
RT: 15.384 min Scan# 2289
Delta R.T. -0.001 min
Lab File: VD070658.D
Acq: 11 Oct 2021 14:16

Instrument :
MSVOA_D
ClientSampleId :
PSC124042

Tgt Ion:128 Resp: 2409
Ion Ratio Lower Upper
128 100
127 8.8 10.9 16.3#
129 14.3 8.6 12.8#

