

Data Path : Z:\voasrv\HPCHEM1\MSVOA_D\Data\VD101121\
 Data File : VD070657.D
 Acq On : 11 Oct 2021 13:47
 Operator : VA/SY
 Sample : M4136-03
 Misc : 5.48G/5.00ml/MSVOA_D/SOIL
 ALS Vial : 7 Sample Multiplier: 1

Instrument :
 MSVOA_D
 ClientSampleId :
 PSC124027

Quant Time: Oct 12 05:40:10 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)

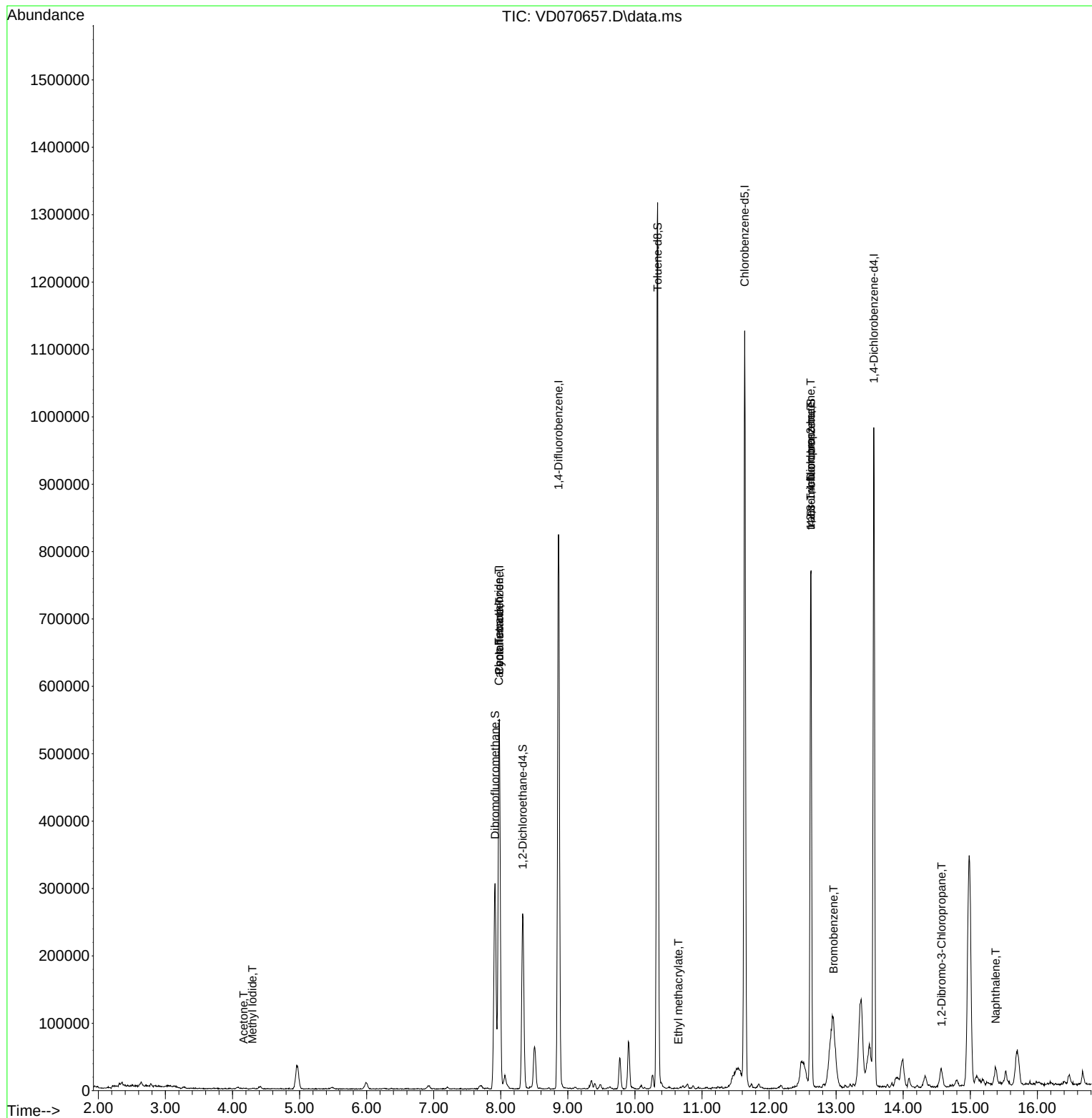
Internal Standards						
1) Pentafluorobenzene	7.979	168	380899	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	8.861	114	729244	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.637	117	665086	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.561	152	263520	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.326	65	205243	45.786	ug/l	0.00
Spiked Amount 50.000	Range 50 - 163		Recovery =	91.580%		
35) Dibromofluoromethane	7.914	113	226075	46.628	ug/l	0.00
Spiked Amount 50.000	Range 54 - 147		Recovery =	93.260%		
50) Toluene-d8	10.338	98	924842	49.897	ug/l	0.00
Spiked Amount 50.000	Range 49 - 140		Recovery =	99.800%		
62) 4-Bromofluorobenzene	12.626	95	283554	45.773	ug/l	0.00
Spiked Amount 50.000	Range 25 - 144		Recovery =	91.540%		
Target Compounds						
5) Bromomethane	2.791	94	2842	Below Cal	#	76
10) Methyl Iodide	4.297	142	1766	1.072	ug/l #	67
16) Acetone	4.167	43	1254	1.647	ug/l #	86
20) Methylene Chloride	4.967	84	28622	Below Cal		88
31) Cyclohexane	7.979	56	9657	1.163	ug/l #	1
38) Carbon Tetrachloride	7.973	117	42727	5.272	ug/l #	15
56) Ethyl methacrylate	10.649	69	214	1.416	ug/l #	38
59) 2-Hexanone	10.973	43	438	Below Cal	#	56
76) 1,2,3-Trichloropropane	12.620	75	133483	55.964	ug/l #	100
77) Bromobenzene	12.961	156	133287	31.033	ug/l #	1
81) trans-1,4-Dichloro-2-b...	12.620	75	133483	124.251	ug/l #	17
92) 1,2-Dibromo-3-Chloropr...	14.573	75	936	1.726	ug/l #	6
95) Naphthalene	15.378	128	10582	3.693	ug/l	95

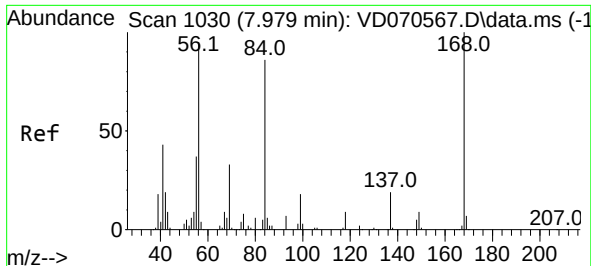
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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Quant Time: Oct 12 05:40:10 2021
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_D\Method\82D100521S.M
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Response via : Initial Calibration

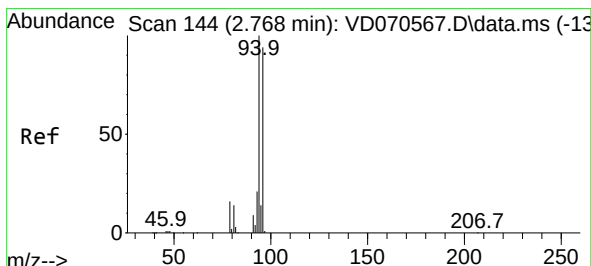
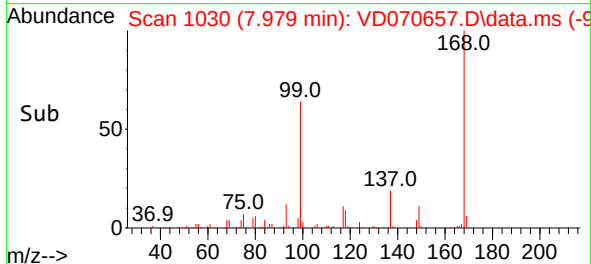
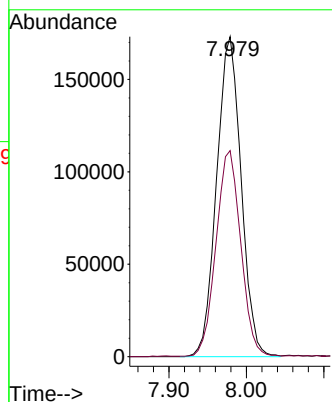
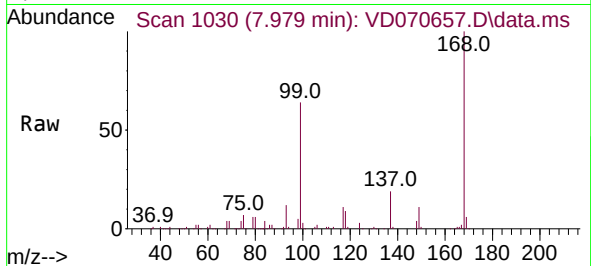




#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 7.979 min Scan# 1030
Delta R.T. -0.000 min
Lab File: VD070657.D
Acq: 11 Oct 2021 13:47

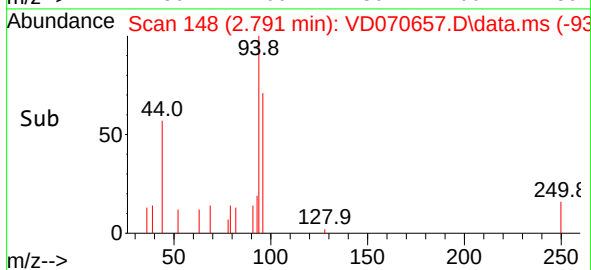
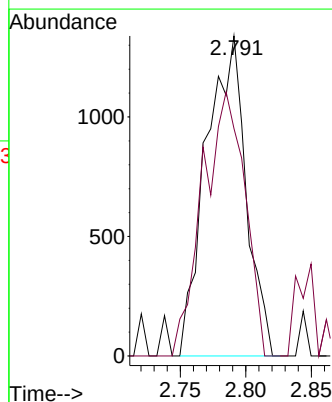
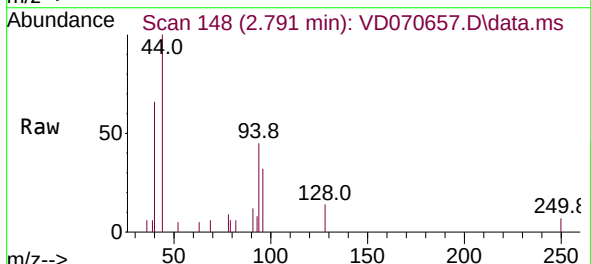
Instrument :
MSVOA_D
ClientSampleId :
PSC124027

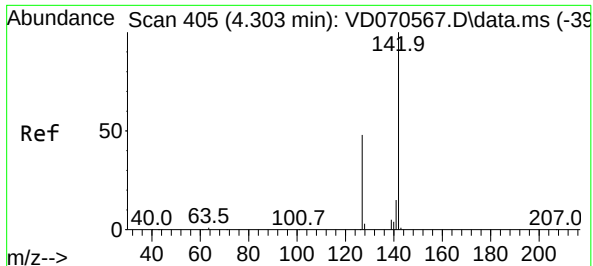
Tgt Ion:168 Resp: 380899
Ion Ratio Lower Upper
168 100
99 64.2 51.4 77.0



#5
Bromomethane
Concen: Below Cal
RT: 2.791 min Scan# 148
Delta R.T. 0.023 min
Lab File: VD070657.D
Acq: 11 Oct 2021 13:47

Tgt Ion: 94 Resp: 2842
Ion Ratio Lower Upper
94 100
96 71.1 75.5 113.3#

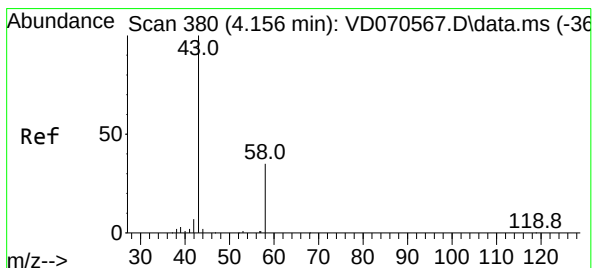
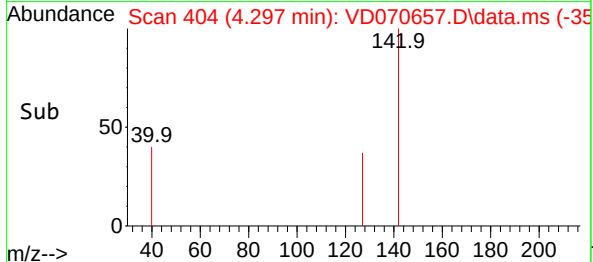
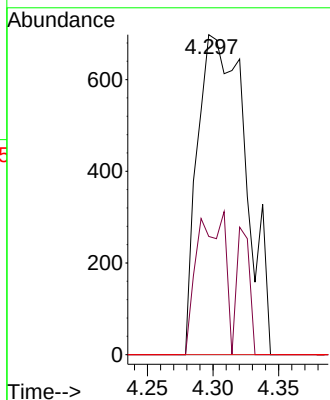
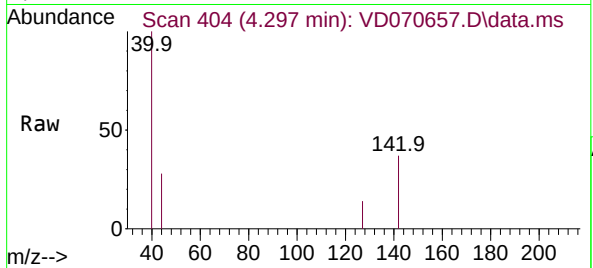




#10
Methyl Iodide
Concen: 1.072 ug/l
RT: 4.297 min Scan# 404
Delta R.T. -0.006 min
Lab File: VD070657.D
Acq: 11 Oct 2021 13:47

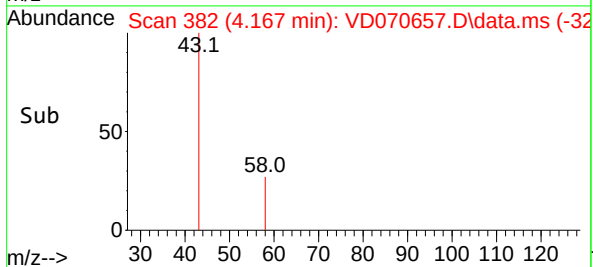
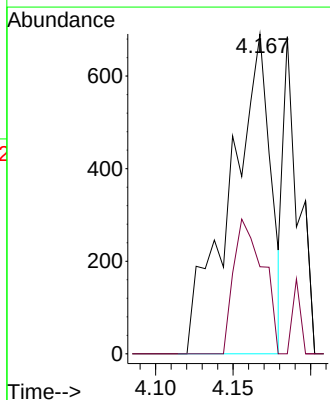
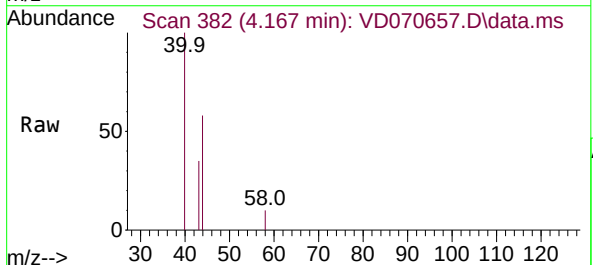
Instrument :
MSVOA_D
ClientSampleId :
PSC124027

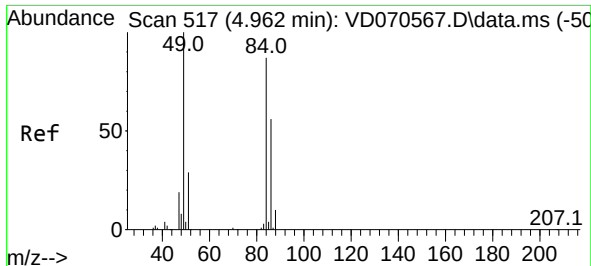
Tgt Ion:142 Resp: 1766
Ion Ratio Lower Upper
142 100
127 25.8 37.5 56.3#
141 0.0 12.1 18.1#



#16
Acetone
Concen: 1.647 ug/l
RT: 4.167 min Scan# 382
Delta R.T. 0.012 min
Lab File: VD070657.D
Acq: 11 Oct 2021 13:47

Tgt Ion: 43 Resp: 1254
Ion Ratio Lower Upper
43 100
58 27.2 28.2 42.2#

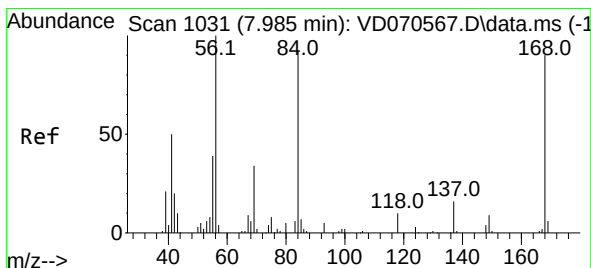
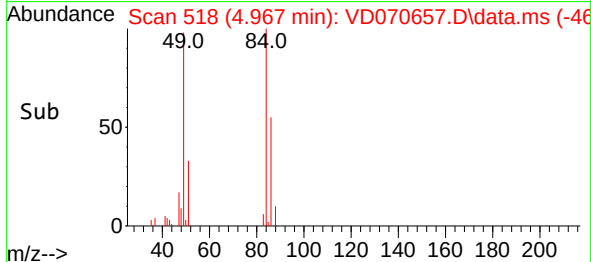
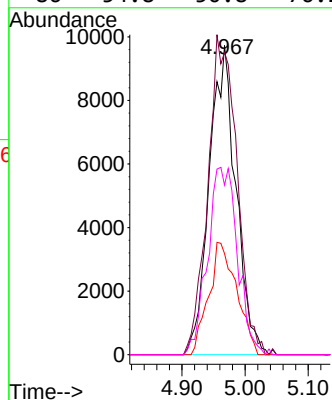
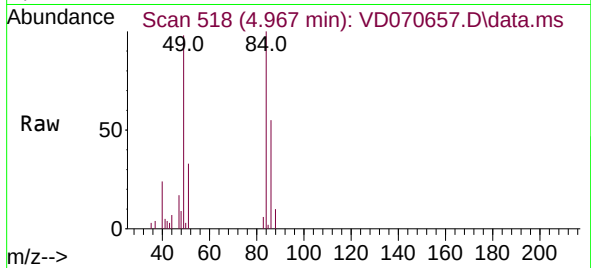




#20
Methylene Chloride
Concen: Below Cal
RT: 4.967 min Scan# 518
Delta R.T. 0.005 min
Lab File: VD070657.D
Acq: 11 Oct 2021 13:47

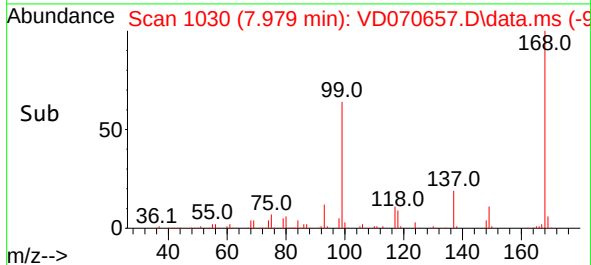
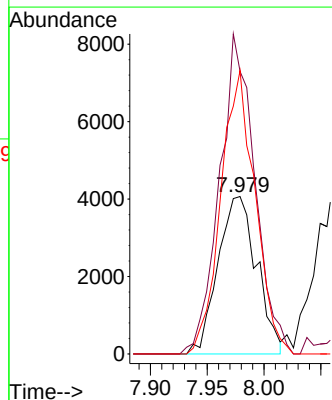
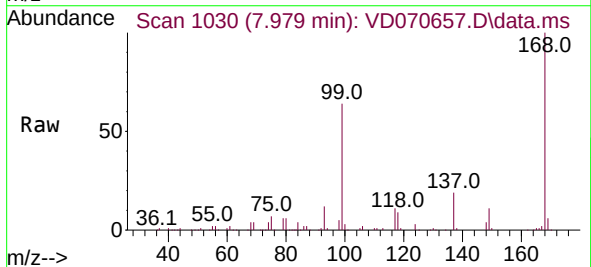
Instrument :
MSVOA_D
ClientSampleId :
PSC124027

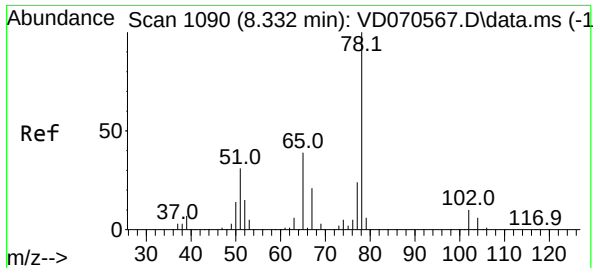
Tgt Ion:	84	Resp:	28622
Ion	Ratio	Lower	Upper
84	100		
49	97.7	91.4	137.2
51	32.7	26.7	40.1
86	54.8	50.8	76.2



#31
Cyclohexane
Concen: 1.163 ug/l
RT: 7.979 min Scan# 1030
Delta R.T. -0.006 min
Lab File: VD070657.D
Acq: 11 Oct 2021 13:47

Tgt Ion:	56	Resp:	9657
Ion	Ratio	Lower	Upper
56	100		
69	179.5	27.4	41.2#
84	180.0	73.6	110.4#

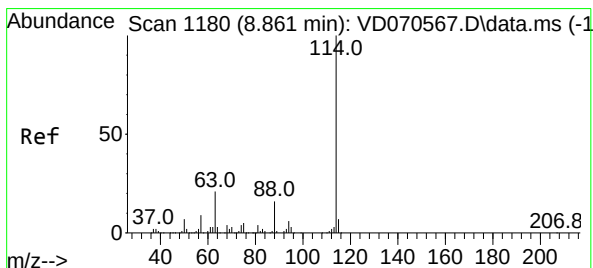
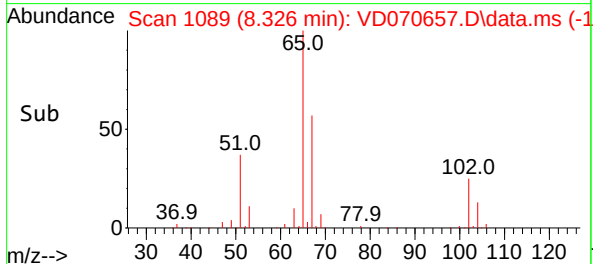
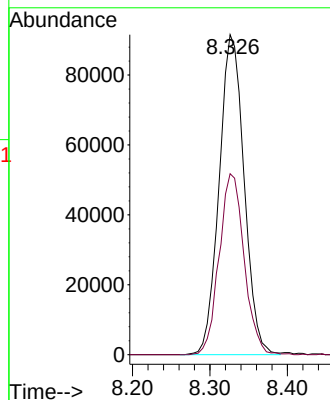
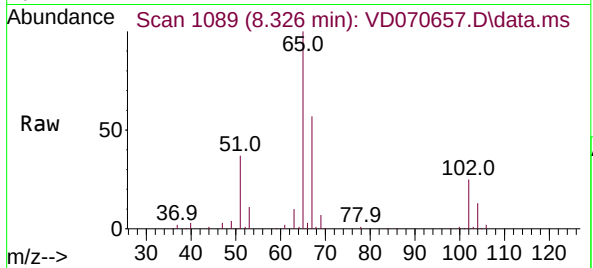




#33
1,2-Dichloroethane-d4
Concen: 45.786 ug/l
RT: 8.326 min Scan# 1089
Delta R.T. -0.006 min
Lab File: VD070657.D
Acq: 11 Oct 2021 13:47

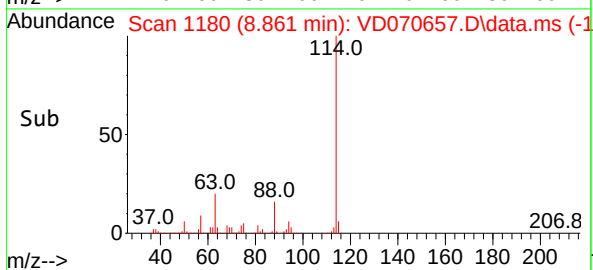
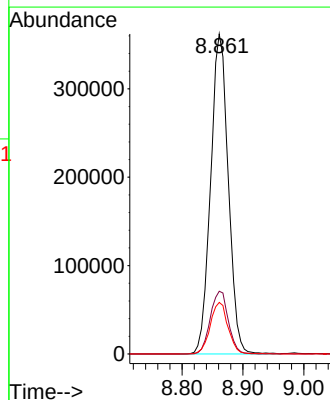
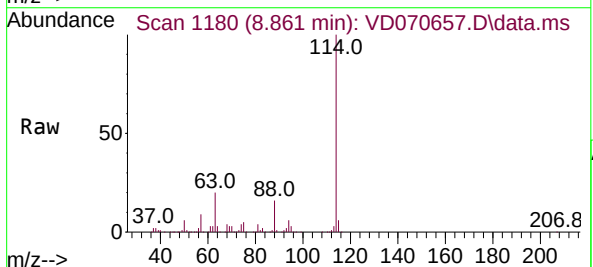
Instrument :
MSVOA_D
ClientSampleId :
PSC124027

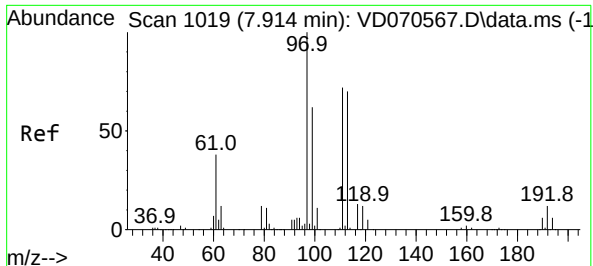
Tgt Ion: 65 Resp: 205243
Ion Ratio Lower Upper
65 100
67 56.6 0.0 110.2



#34
1,4-Difluorobenzene
Concen: 50.000 ug/l
RT: 8.861 min Scan# 1180
Delta R.T. -0.000 min
Lab File: VD070657.D
Acq: 11 Oct 2021 13:47

Tgt Ion: 114 Resp: 729244
Ion Ratio Lower Upper
114 100
63 19.6 0.0 41.8
88 16.1 0.0 32.6





#35

Dibromofluoromethane

Concen: 46.628 ug/l

RT: 7.914 min Scan# 1019

Delta R.T. -0.000 min

Lab File: VD070657.D

Acq: 11 Oct 2021 13:47

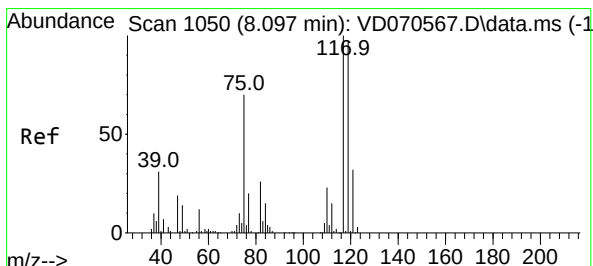
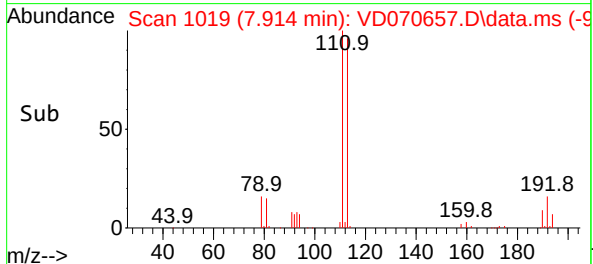
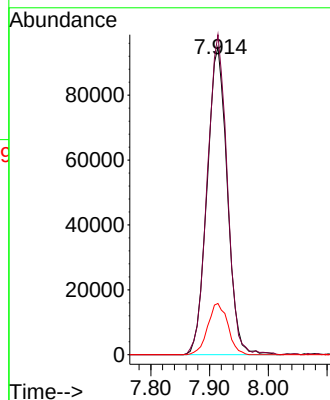
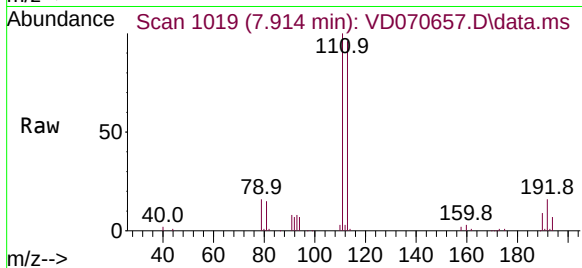
Tgt Ion:113 Resp: 226075

Ion Ratio Lower Upper

113 100

111 102.4 83.1 124.7

192 16.6 12.7 19.1



#38

Carbon Tetrachloride

Concen: 5.272 ug/l

RT: 7.973 min Scan# 1029

Delta R.T. -0.124 min

Lab File: VD070657.D

Acq: 11 Oct 2021 13:47

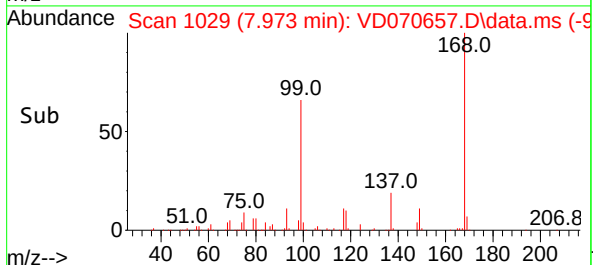
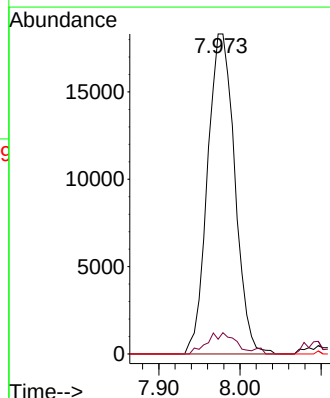
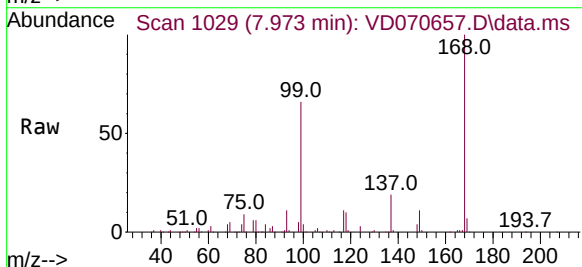
Tgt Ion:117 Resp: 42727

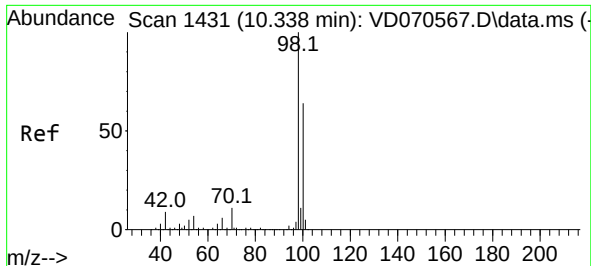
Ion Ratio Lower Upper

117 100

119 4.6 77.4 116.0#

121 0.0 25.4 38.0#

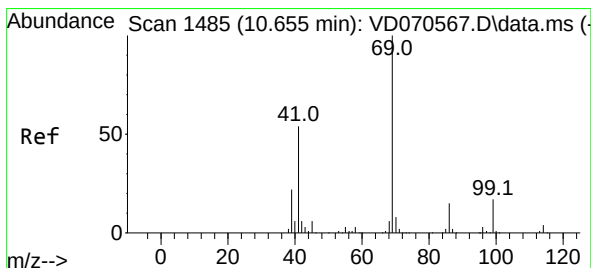
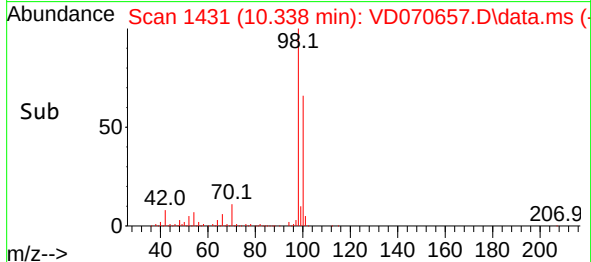
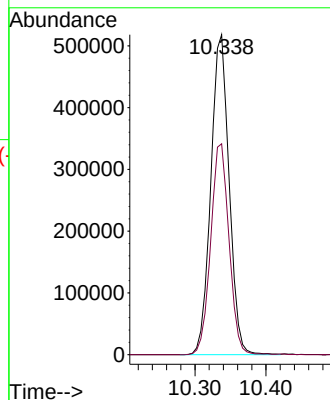
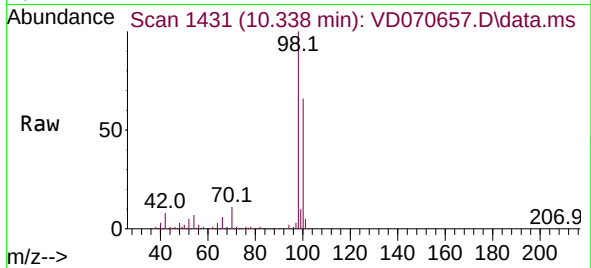




#50
Toluene-d8
Concen: 49.897 ug/l
RT: 10.338 min Scan# 1431
Delta R.T. -0.000 min
Lab File: VD070657.D
Acq: 11 Oct 2021 13:47

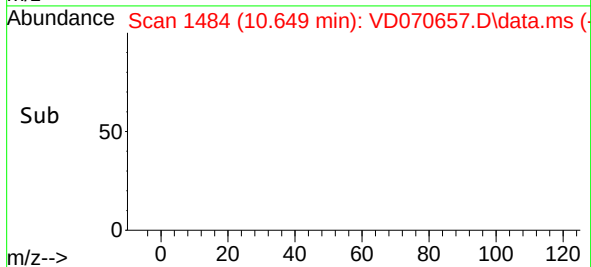
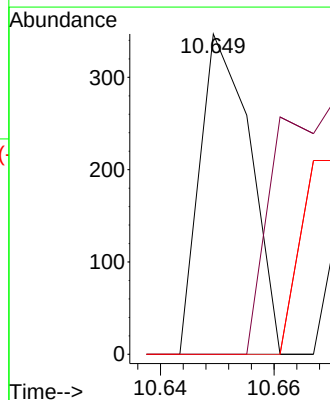
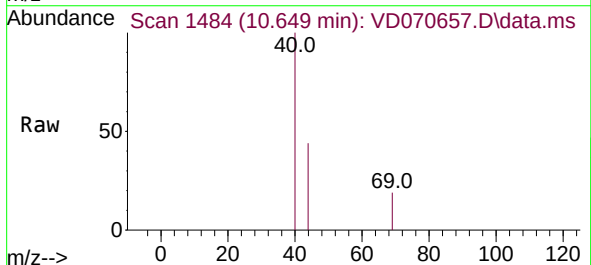
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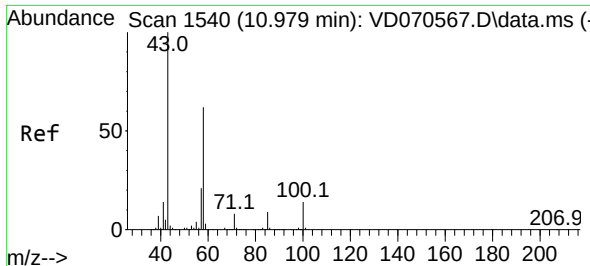
Tgt Ion: 98 Resp: 924842
Ion Ratio Lower Upper
98 100
100 66.1 52.2 78.4



#56
Ethyl methacrylate
Concen: 1.416 ug/l
RT: 10.649 min Scan# 1484
Delta R.T. -0.006 min
Lab File: VD070657.D
Acq: 11 Oct 2021 13:47

Tgt Ion: 69 Resp: 214
Ion Ratio Lower Upper
69 100
41 0.0 44.7 67.1#
39 38.3 19.5 29.3#

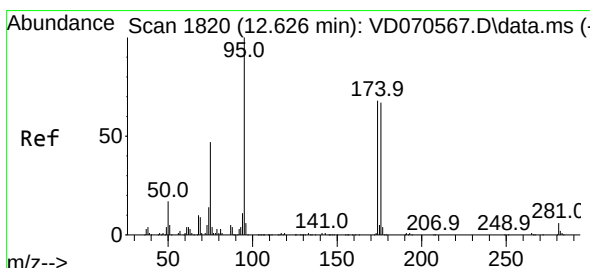
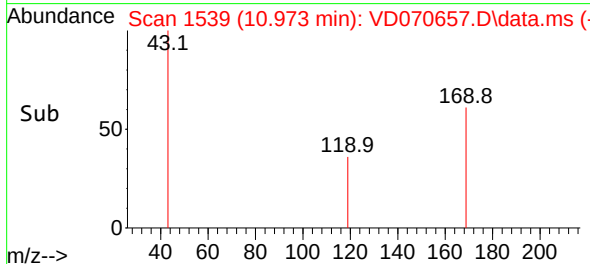
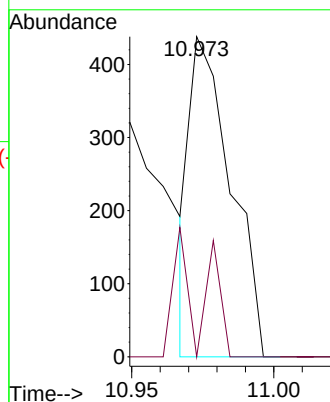
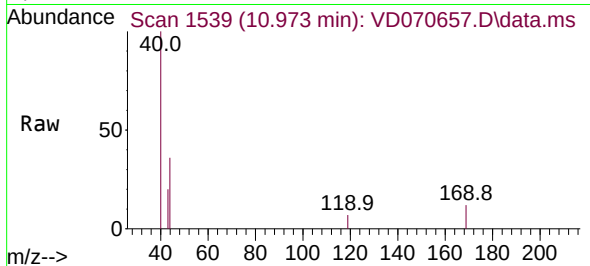




#59
2-Hexanone
Concen: Below Cal
RT: 10.973 min Scan# 1539
Delta R.T. -0.006 min
Lab File: VD070657.D
Acq: 11 Oct 2021 13:47

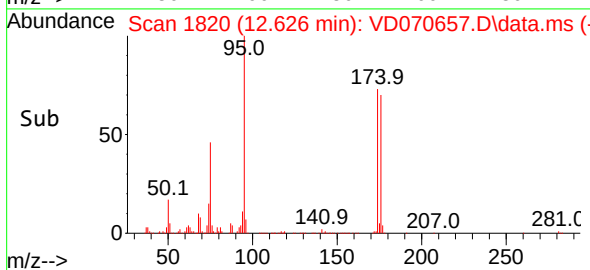
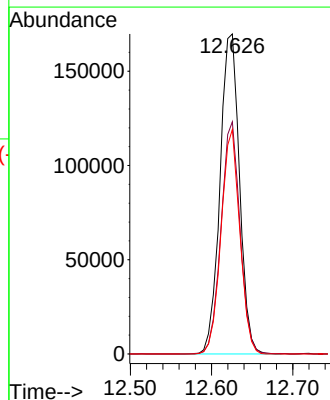
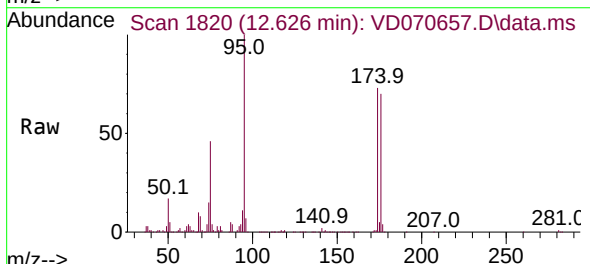
Instrument :
MSVOA_D
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PSC124027

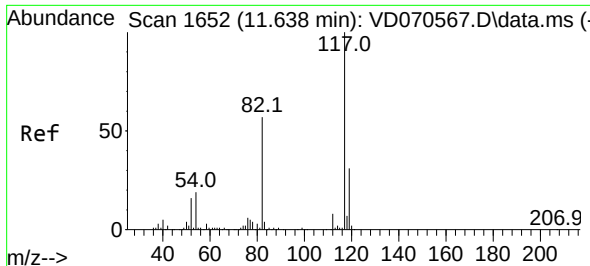
Tgt Ion: 43 Resp: 438
Ion Ratio Lower Upper
43 100
58 27.2 30.4 91.3#



#62
4-Bromofluorobenzene
Concen: 45.773 ug/l
RT: 12.626 min Scan# 1820
Delta R.T. -0.000 min
Lab File: VD070657.D
Acq: 11 Oct 2021 13:47

Tgt Ion: 95 Resp: 283554
Ion Ratio Lower Upper
95 100
174 70.8 0.0 138.0
176 67.3 0.0 135.6

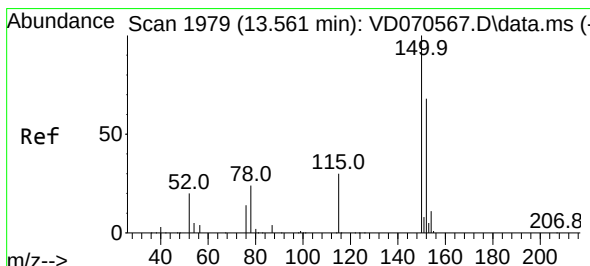
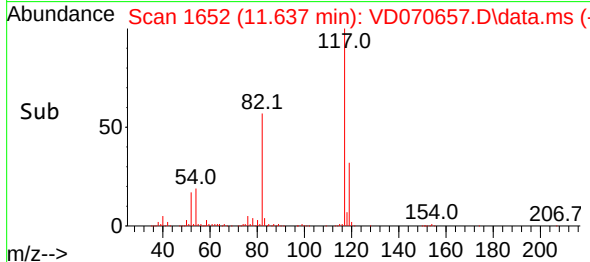
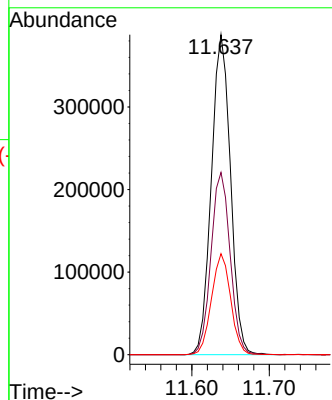
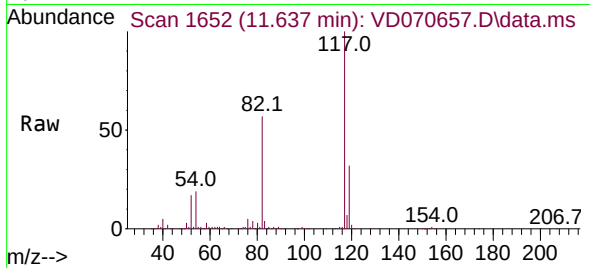




#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.637 min Scan# 1652
Delta R.T. -0.000 min
Lab File: VD070657.D
Acq: 11 Oct 2021 13:47

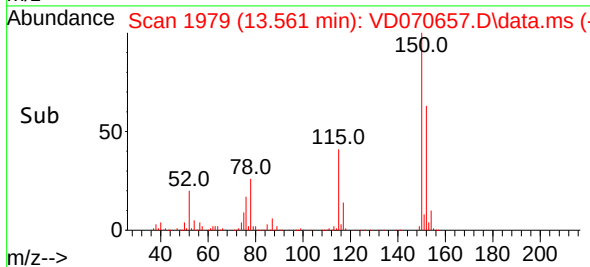
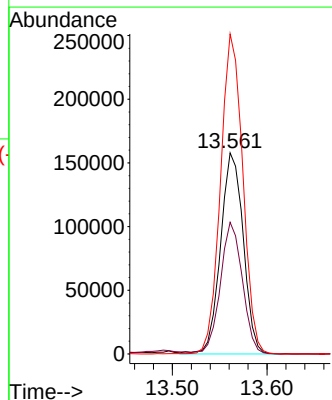
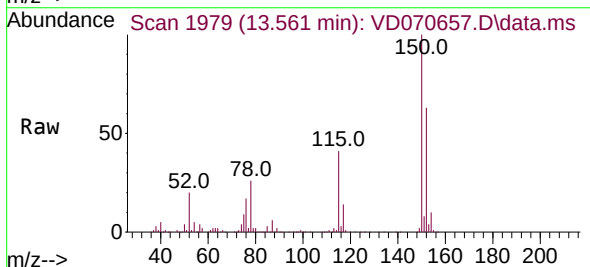
Instrument :
MSVOA_D
ClientSampleId :
PSC124027

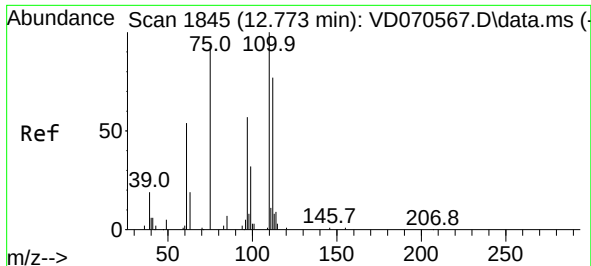
Tgt Ion:117 Resp: 665086
Ion Ratio Lower Upper
117 100
82 56.9 45.4 68.2
119 31.5 24.7 37.1



#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 13.561 min Scan# 1979
Delta R.T. -0.000 min
Lab File: VD070657.D
Acq: 11 Oct 2021 13:47

Tgt Ion:152 Resp: 263520
Ion Ratio Lower Upper
152 100
115 63.5 31.9 95.7
150 155.8 0.0 350.0

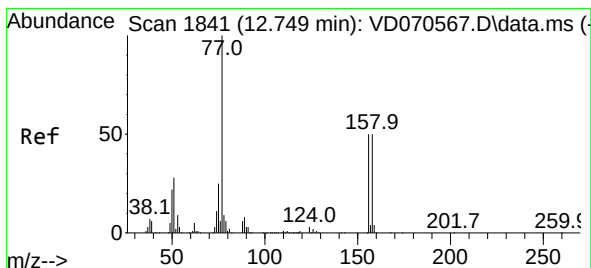
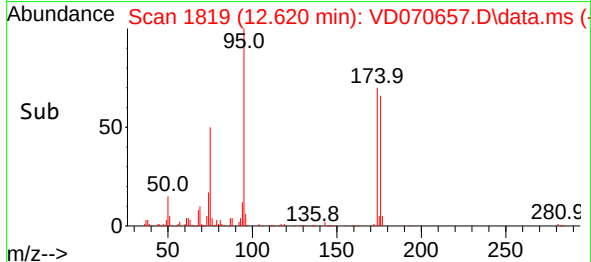
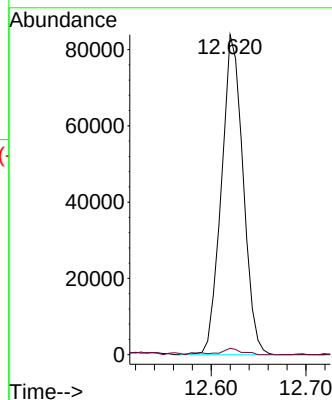
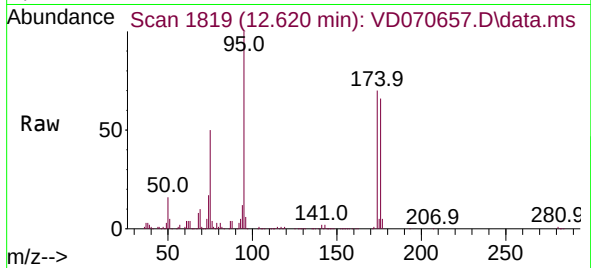




#76
1,2,3-Trichloropropane
Concen: 55.964 ug/l
RT: 12.620 min Scan# 1819
Delta R.T. -0.153 min
Lab File: VD070657.D
Acq: 11 Oct 2021 13:47

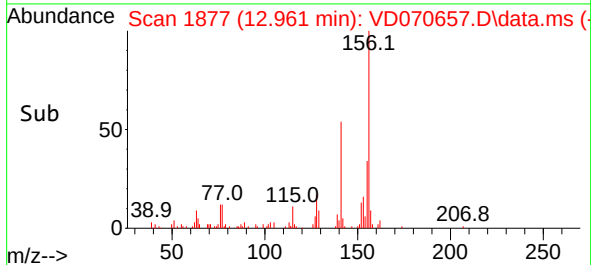
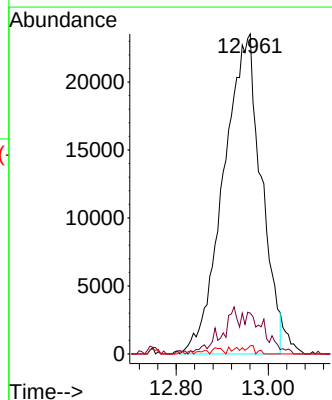
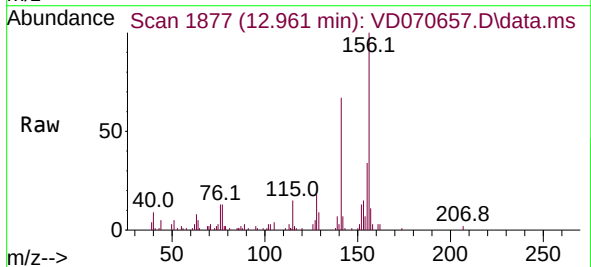
Instrument :
MSVOA_D
ClientSampleId :
PSC124027

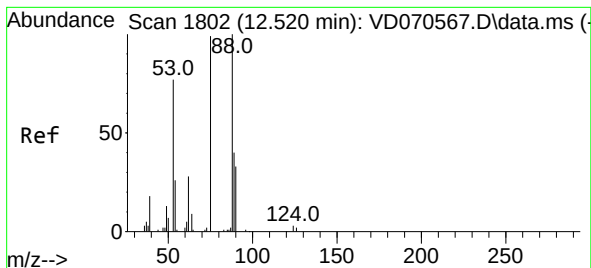
Tgt Ion: 75 Resp: 133483
Ion Ratio Lower Upper
75 100
77 1.8 0.0 0.0#



#77
Bromobenzene
Concen: 31.033 ug/l
RT: 12.961 min Scan# 1877
Delta R.T. 0.212 min
Lab File: VD070657.D
Acq: 11 Oct 2021 13:47

Tgt Ion: 156 Resp: 133287
Ion Ratio Lower Upper
156 100
77 0.0 105.7 317.1#
158 0.6 48.9 146.6#

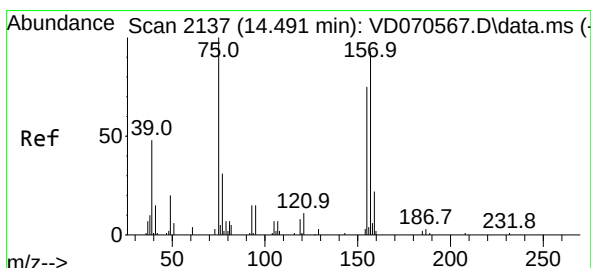
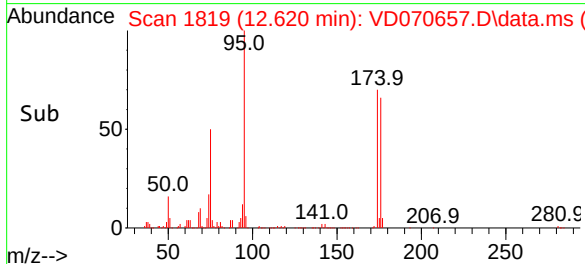
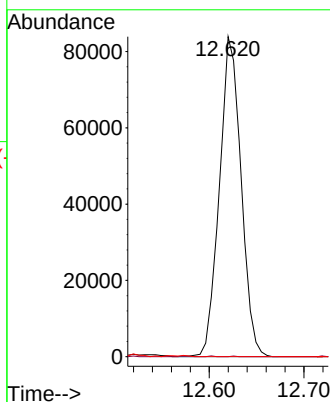
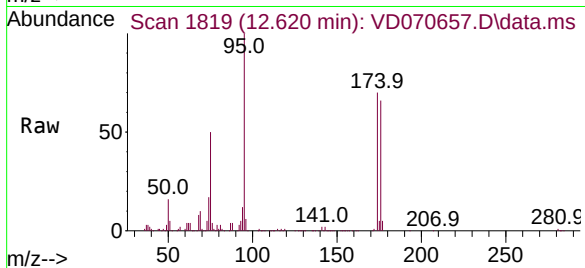




#81
trans-1,4-Dichloro-2-butene
Concen: 124.251 ug/l
RT: 12.620 min Scan# 1819
Delta R.T. 0.100 min
Lab File: VD070657.D
Acq: 11 Oct 2021 13:47

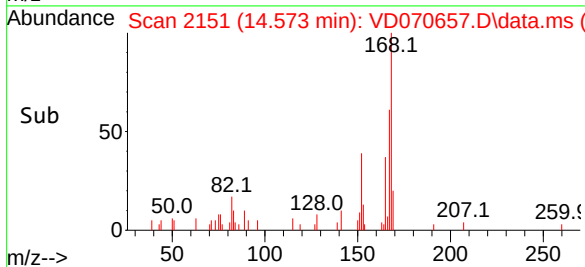
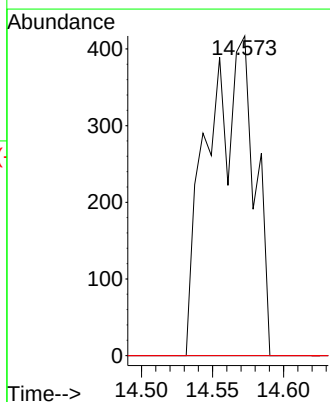
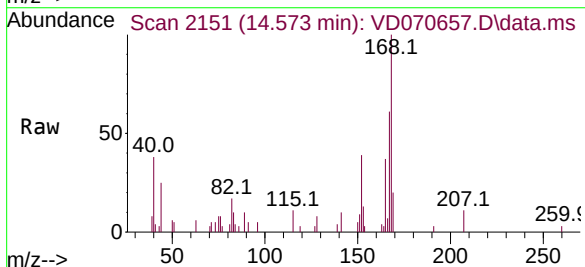
Instrument :
MSVOA_D
ClientSampleId :
PSC124027

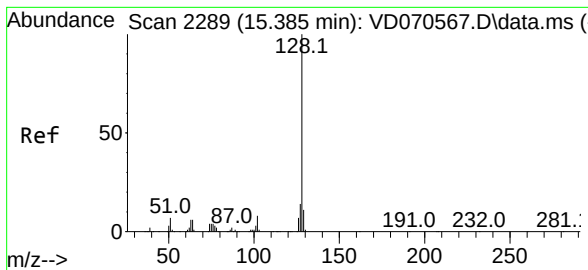
Tgt Ion: 75 Resp: 133483
Ion Ratio Lower Upper
75 100
53 0.0 64.5 96.7#
89 0.0 35.3 52.9#



#92
1,2-Dibromo-3-Chloropropane
Concen: 1.726 ug/l
RT: 14.573 min Scan# 2151
Delta R.T. 0.082 min
Lab File: VD070657.D
Acq: 11 Oct 2021 13:47

Tgt Ion: 75 Resp: 936
Ion Ratio Lower Upper
75 100
155 0.0 38.1 114.5#
157 0.0 47.6 142.9#





#95
Naphthalene
Concen: 3.693 ug/l
RT: 15.378 min Scan# 2288
Delta R.T. -0.007 min
Lab File: VD070657.D
Acq: 11 Oct 2021 13:47

Instrument :
MSVOA_D
ClientSampleId :
PSC124027

Tgt Ion:	128	Resp:	10582
Ion	Ratio	Lower	Upper
128	100		
127	15.3	10.9	16.3
129	8.7	8.6	12.8

