

Data Path : Z:\voasrv\HPCHEM1\MSVOA_D\Data\VD100421\
 Data File : VD070558.D
 Acq On : 04 Oct 2021 18:34
 Operator : VA/SY
 Sample : M4046-02
 Misc : 5.10G/5.00ml/MSVOA_D/SOIL
 ALS Vial : 15 Sample Multiplier: 1

Instrument :
 MSVOA_D
 ClientSampleId :
 TP-1-(1.5-2.0)

Quant Time: Oct 05 05:01:39 2021
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_D\Method\82D090821S.M
 Quant Title : SW846 8260
 QLast Update : Thu Sep 09 03:07:09 2021
 Response via : Initial Calibration

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

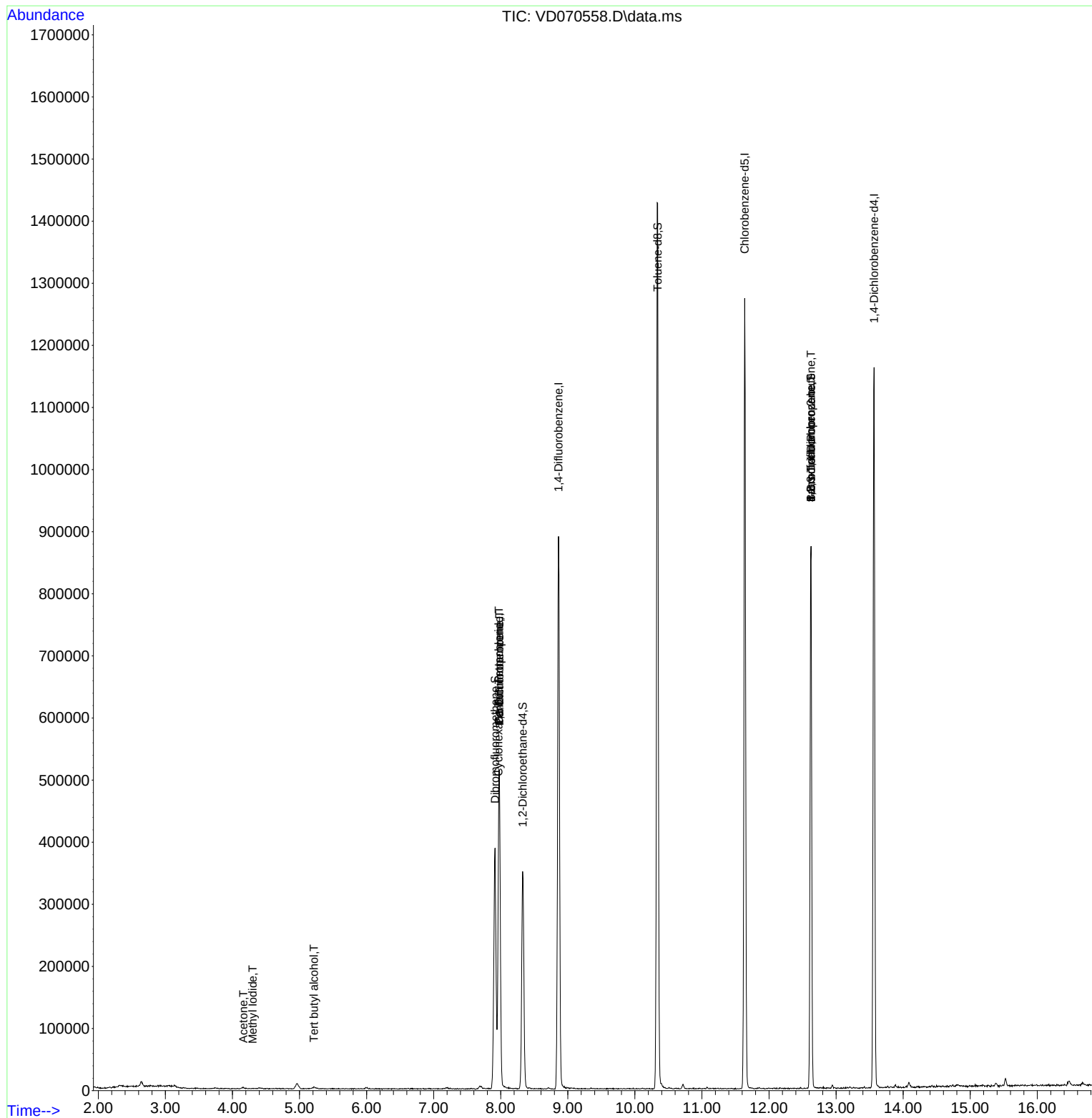
Internal Standards						
1) Pentafluorobenzene	7.979	168	368182	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	8.861	114	779742	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.638	117	749557	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.567	152	310048	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.326	65	284162	60.108	ug/l	0.00
Spiked Amount	50.000	Range	50 - 163	Recovery	= 120.220%	
35) Dibromofluoromethane	7.914	113	275838	49.698	ug/l	0.00
Spiked Amount	50.000	Range	54 - 147	Recovery	= 99.400%	
50) Toluene-d8	10.338	98	1010791	50.159	ug/l	0.00
Spiked Amount	50.000	Range	49 - 140	Recovery	= 100.320%	
62) 4-Bromofluorobenzene	12.626	95	321185	45.605	ug/l	0.00
Spiked Amount	50.000	Range	25 - 144	Recovery	= 91.200%	
Target Compounds						Qvalue
2) Dichlorodifluoromethane	1.979	85	291	Below Cal	#	43
3) Chloromethane	2.203	50	518	Below Cal		96
5) Bromomethane	2.774	94	1008	Below Cal		93
6) Chloroethane	2.821	64	96	Below Cal	#	5
10) Methyl Iodide	4.303	142	339	1.102	ug/l #	39
11) Tert butyl alcohol	5.215	59	3645	6.819	ug/l #	100
16) Acetone	4.162	43	3358	3.979	ug/l #	69
20) Methylene Chloride	4.962	84	6503	Below Cal		92
31) Cyclohexane	7.967	56	8267	1.015	ug/l #	1
36) 1,1-Dichloropropene	7.979	75	33144	3.977	ug/l #	48
38) Carbon Tetrachloride	7.973	117	41286	5.009	ug/l #	18
71) Bromoform	12.626	173	3010	1.071	ug/l #	1
76) 1,2,3-Trichloropropane	12.626	75	151794	48.401	ug/l #	1
81) trans-1,4-Dichloro-2-b...	12.626	75	151794	121.273	ug/l #	17

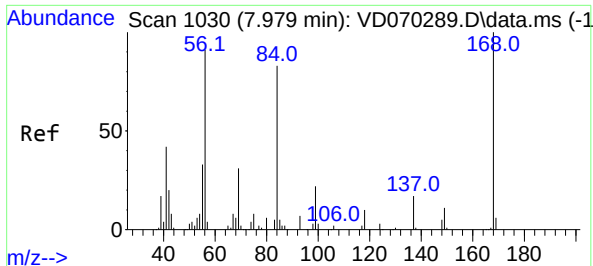
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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TP-1-(1.5-2.0)

Quant Time: Oct 05 05:01:39 2021
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_D\Method\82D090821S.M
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QLast Update : Thu Sep 09 03:07:09 2021
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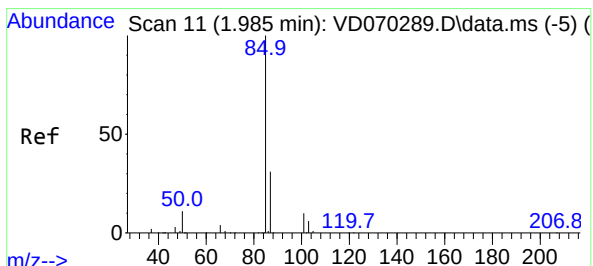
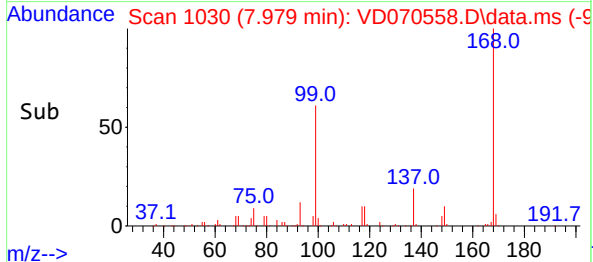
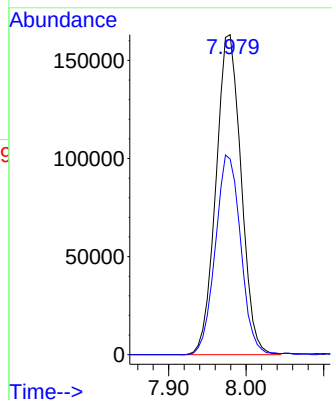
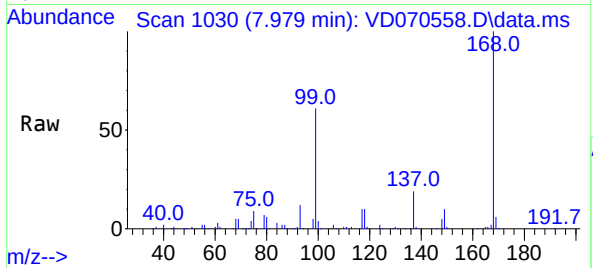




#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 7.979 min Scan# 1030
Delta R.T. 0.000 min
Lab File: VD070558.D
Acq: 04 Oct 2021 18:34

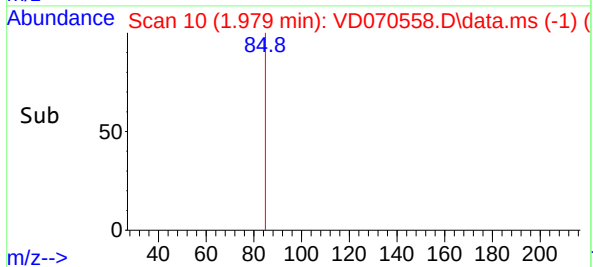
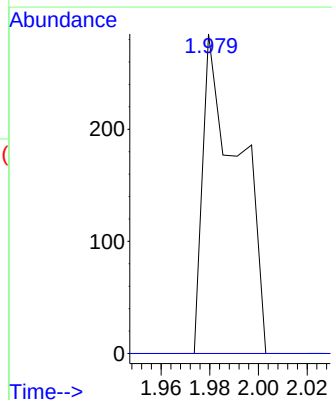
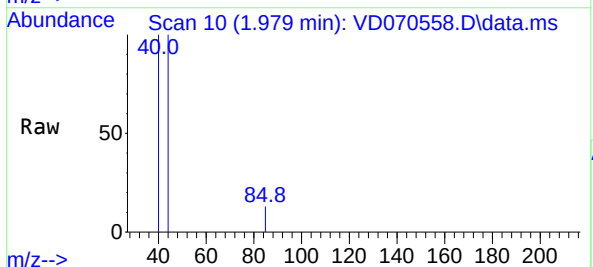
Instrument :
MSVOA_D
ClientSampleId :
TP-1-(1.5-2.0)

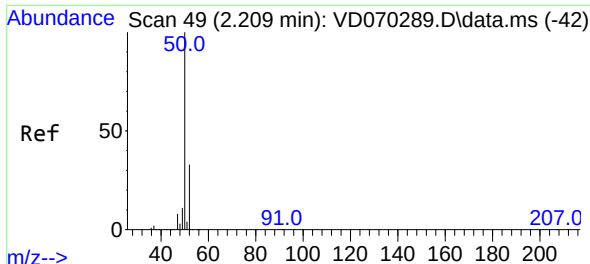
Tgt Ion:168 Resp: 368182
Ion Ratio Lower Upper
168 100
99 61.2 50.8 76.2



#2
Dichlorodifluoromethane
Concen: Below Cal
RT: 1.979 min Scan# 10
Delta R.T. -0.006 min
Lab File: VD070558.D
Acq: 04 Oct 2021 18:34

Tgt Ion: 85 Resp: 291
Ion Ratio Lower Upper
85 100
87 0.0 15.6 46.8#

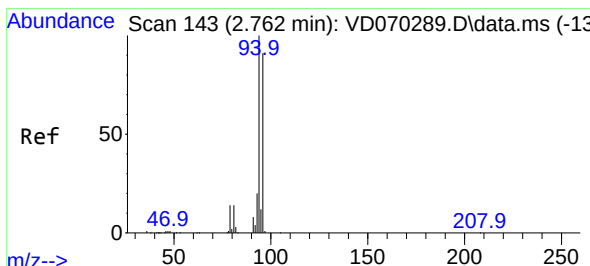
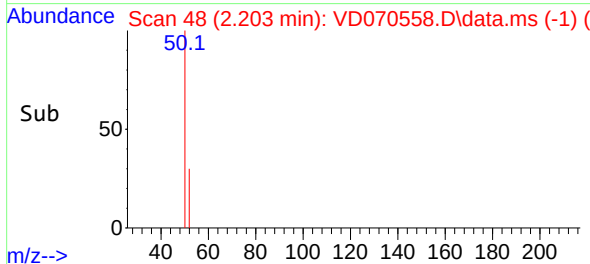
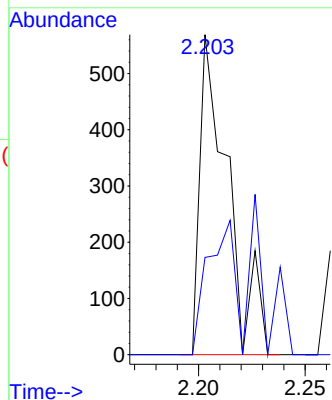
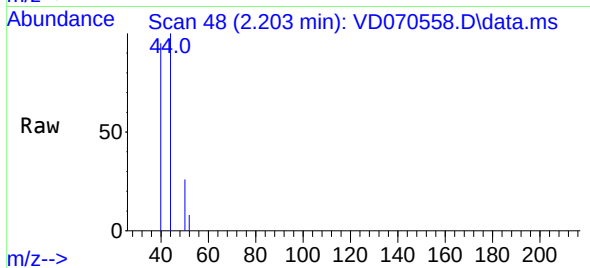




#3
Chloromethane
Concen: Below Cal
RT: 2.203 min Scan# 48
Delta R.T. -0.006 min
Lab File: VD070558.D
Acq: 04 Oct 2021 18:34

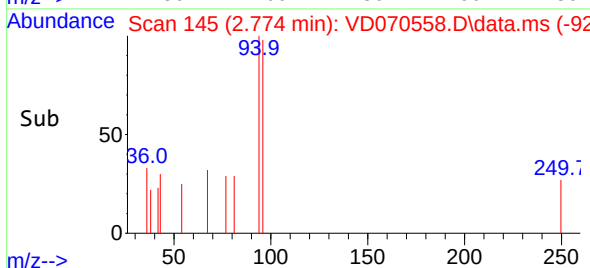
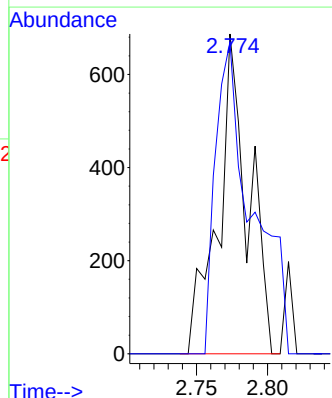
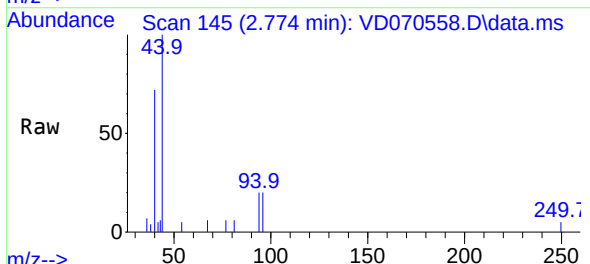
Instrument :
MSVOA_D
ClientSampleId :
TP-1-(1.5-2.0)

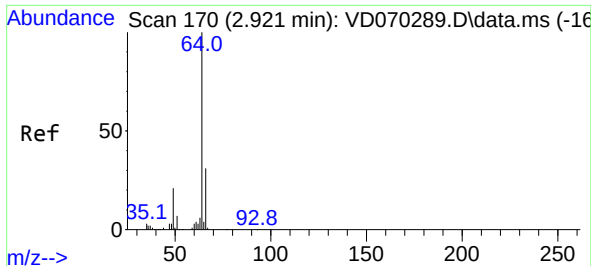
Tgt Ion: 50 Resp: 518
Ion Ratio Lower Upper
50 100
52 30.4 26.2 39.2



#5
Bromomethane
Concen: Below Cal
RT: 2.774 min Scan# 145
Delta R.T. 0.012 min
Lab File: VD070558.D
Acq: 04 Oct 2021 18:34

Tgt Ion: 94 Resp: 1008
Ion Ratio Lower Upper
94 100
96 97.5 73.0 109.6

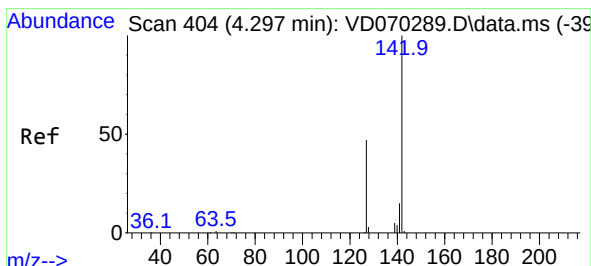
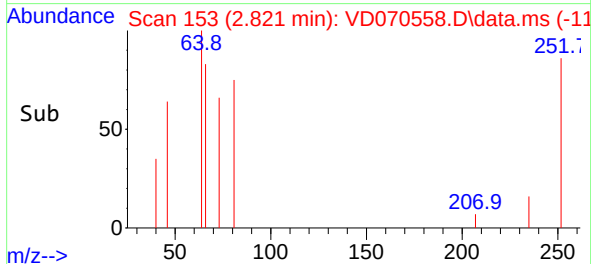
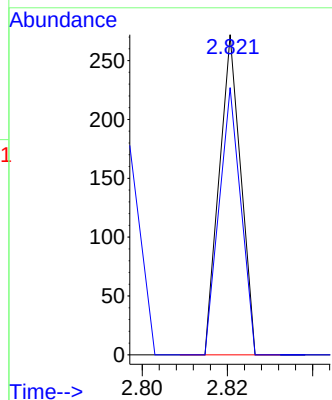
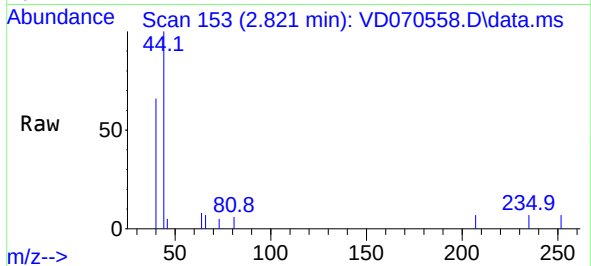




#6
Chloroethane
Concen: Below Cal
RT: 2.821 min Scan# 153
Delta R.T. -0.100 min
Lab File: VD070558.D
Acq: 04 Oct 2021 18:34

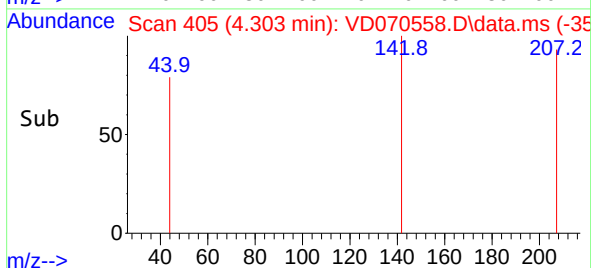
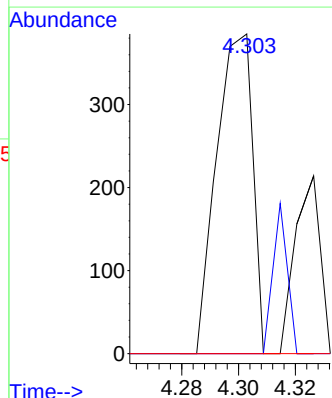
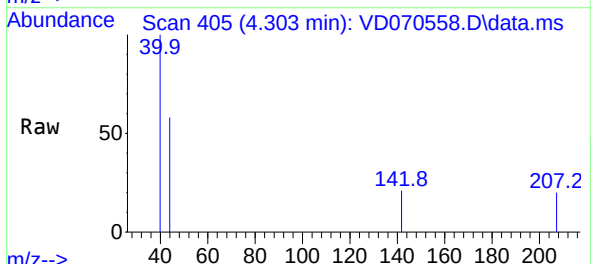
Instrument :
MSVOA_D
ClientSampleId :
TP-1-(1.5-2.0)

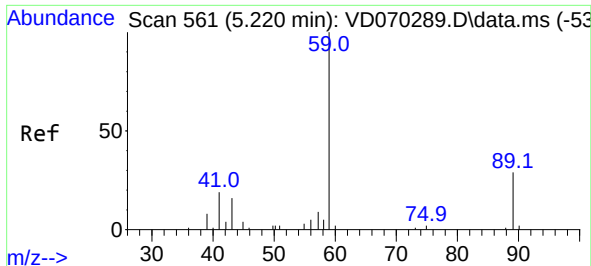
Tgt Ion: 64 Resp: 96
Ion Ratio Lower Upper
64 100
66 83.5 25.0 37.4#



#10
Methyl Iodide
Concen: 1.102 ug/l
RT: 4.303 min Scan# 405
Delta R.T. 0.006 min
Lab File: VD070558.D
Acq: 04 Oct 2021 18:34

Tgt Ion:142 Resp: 339
Ion Ratio Lower Upper
142 100
127 0.0 36.9 55.3#
141 0.0 11.8 17.6#

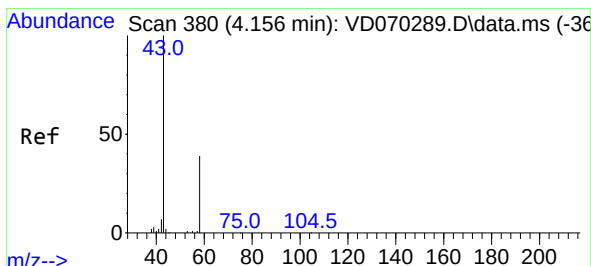
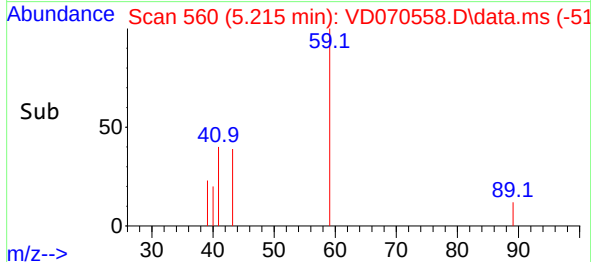
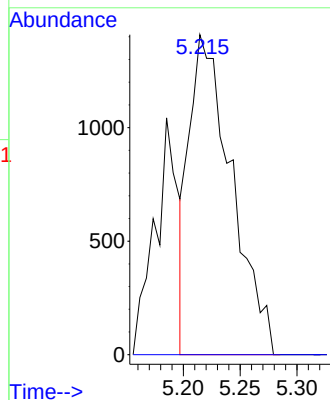
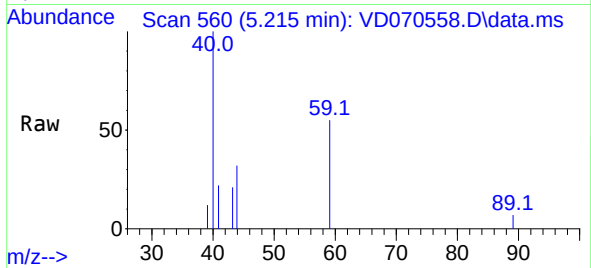




#11
Tert butyl alcohol
Concen: 6.819 ug/l
RT: 5.215 min Scan# 560
Delta R.T. -0.005 min
Lab File: VD070558.D
Acq: 04 Oct 2021 18:34

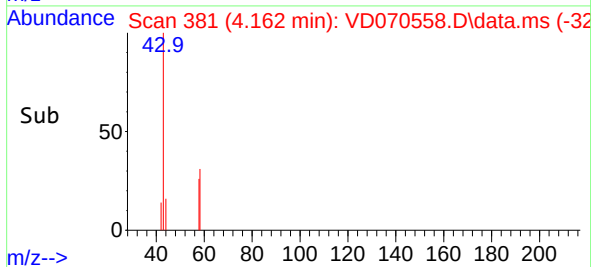
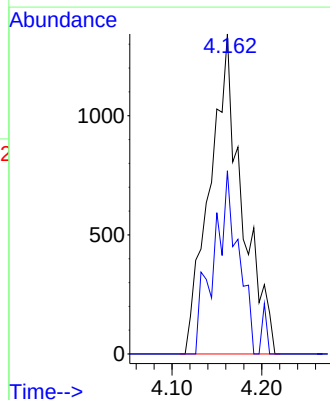
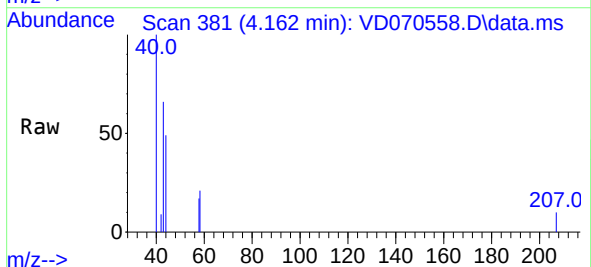
Instrument :
MSVOA_D
ClientSampleId :
TP-1-(1.5-2.0)

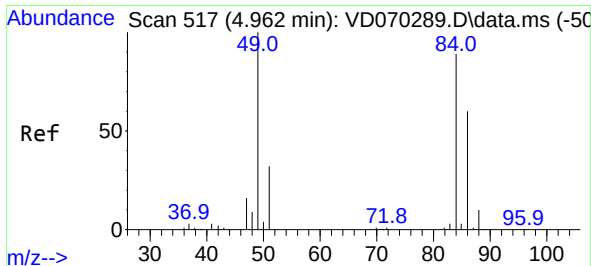
Tgt Ion: 59 Resp: 3645
Ion Ratio Lower Upper
59 100
57 0.0 0.0 0.0



#16
Acetone
Concen: 3.979 ug/l
RT: 4.162 min Scan# 381
Delta R.T. 0.006 min
Lab File: VD070558.D
Acq: 04 Oct 2021 18:34

Tgt Ion: 43 Resp: 3358
Ion Ratio Lower Upper
43 100
58 57.3 30.9 46.3#



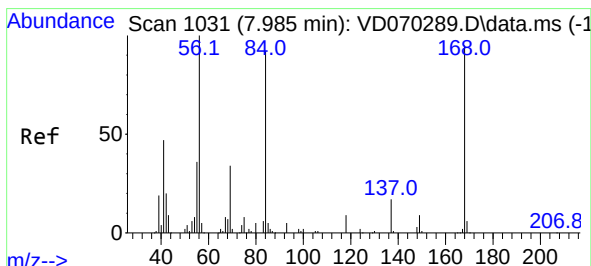
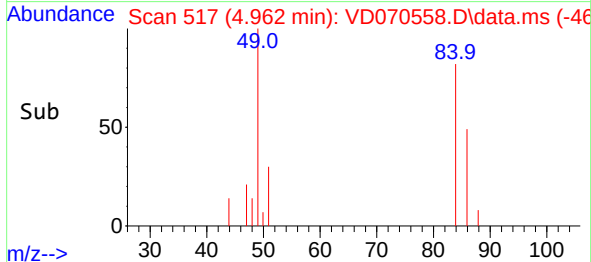
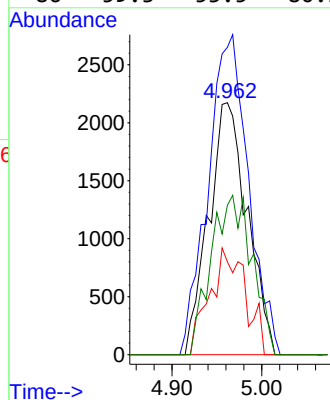
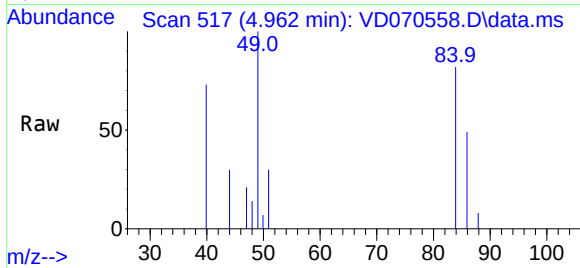


#20
Methylene Chloride
Concen: Below Cal
RT: 4.962 min Scan# 517
Delta R.T. -0.000 min
Lab File: VD070558.D
Acq: 04 Oct 2021 18:34

Instrument :
MSVOA_D
ClientSampled :
TP-1-(1.5-2.0)

Tgt Ion: 84 Resp: 6503

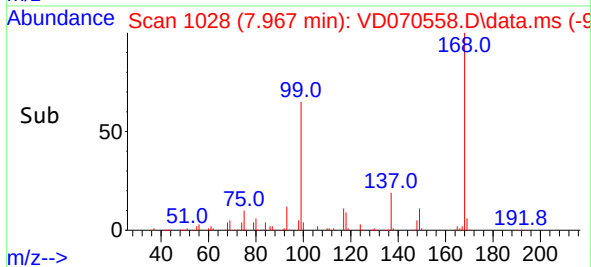
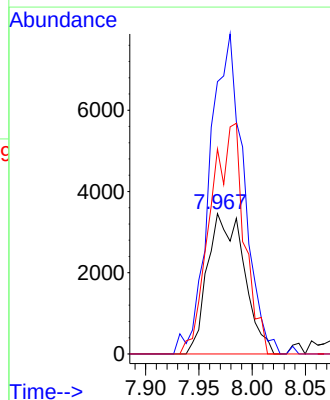
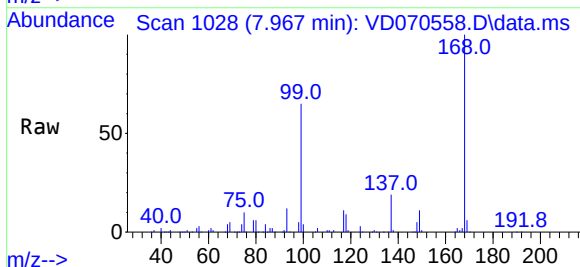
Ion	Ratio	Lower	Upper
84	100		
49	121.9	89.6	134.4
51	36.8	28.6	43.0
86	59.3	53.5	80.3

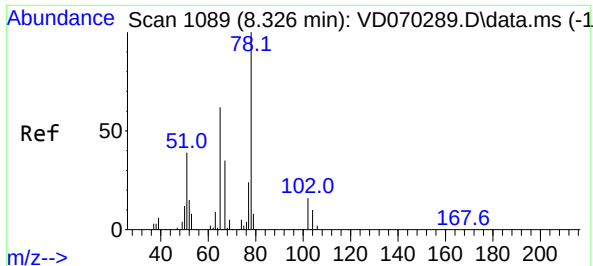


#31
Cyclohexane
Concen: 1.015 ug/l
RT: 7.967 min Scan# 1028
Delta R.T. -0.018 min
Lab File: VD070558.D
Acq: 04 Oct 2021 18:34

Tgt Ion: 56 Resp: 8267

Ion	Ratio	Lower	Upper
56	100		
69	194.0	26.9	40.3#
84	146.0	73.6	110.4#



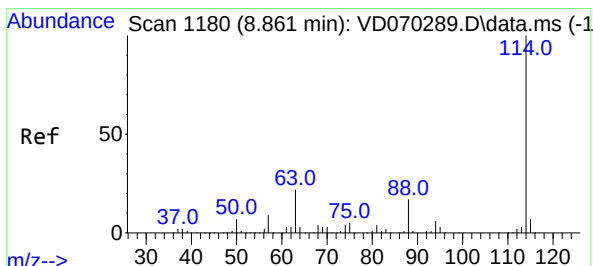
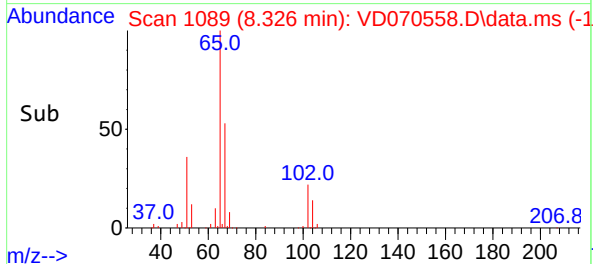
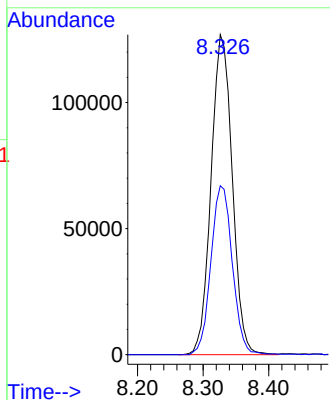
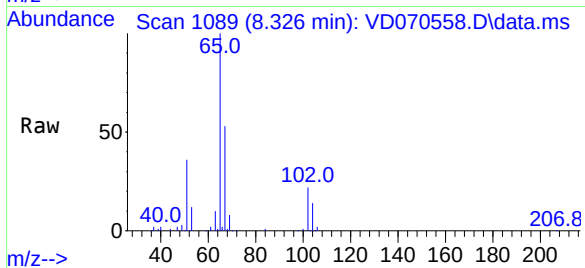


#33

1,2-Dichloroethane-d4
Concen: 60.108 ug/l
RT: 8.326 min Scan# 1089
Delta R.T. 0.000 min
Lab File: VD070558.D
Acq: 04 Oct 2021 18:34

Instrument :
MSVOA_D
ClientSampleId :
TP-1-(1.5-2.0)

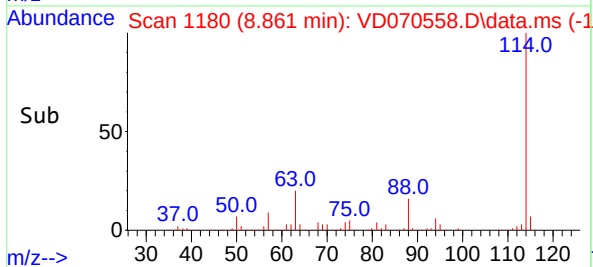
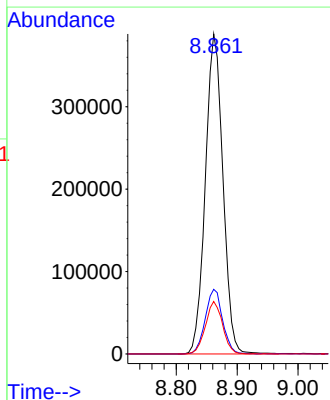
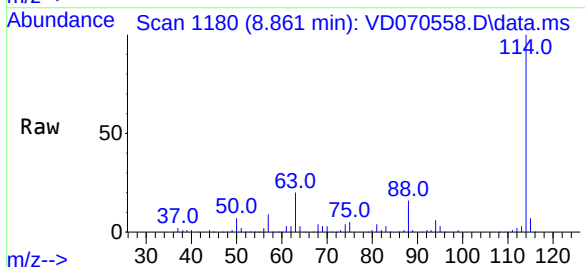
Tgt Ion: 65 Resp: 284162
Ion Ratio Lower Upper
65 100
67 53.5 0.0 111.4

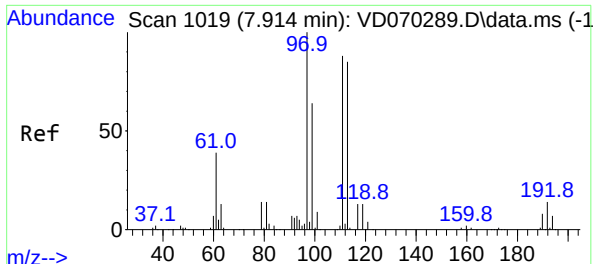


#34

1,4-Difluorobenzene
Concen: 50.000 ug/l
RT: 8.861 min Scan# 1180
Delta R.T. 0.000 min
Lab File: VD070558.D
Acq: 04 Oct 2021 18:34

Tgt Ion: 114 Resp: 779742
Ion Ratio Lower Upper
114 100
63 20.2 0.0 43.4
88 16.4 0.0 33.4

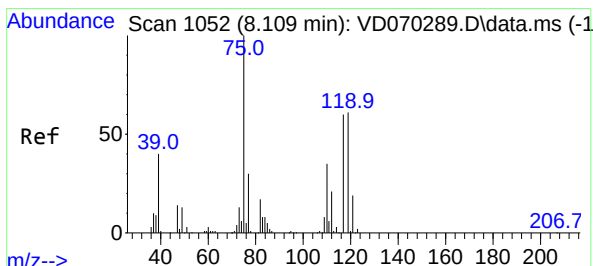
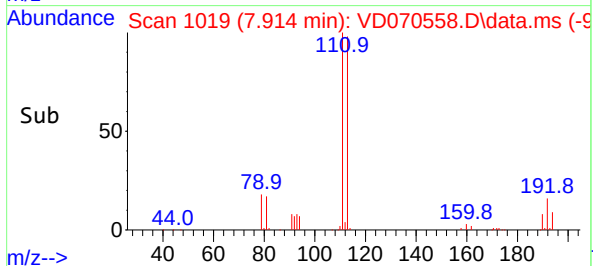
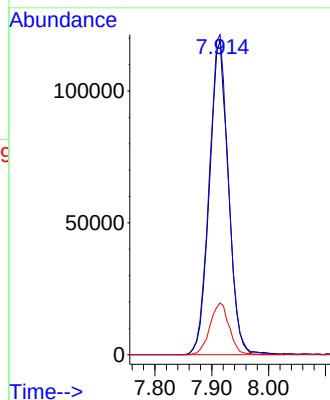
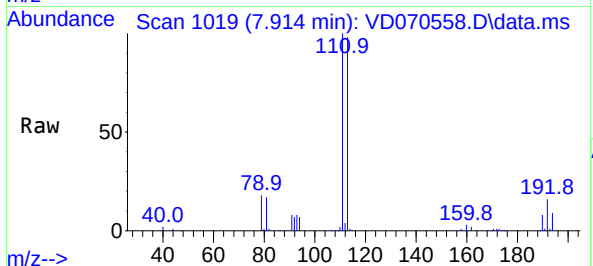




#35
Dibromofluoromethane
Concen: 49.698 ug/l
RT: 7.914 min Scan# 1019
Delta R.T. 0.000 min
Lab File: VD070558.D
Acq: 04 Oct 2021 18:34

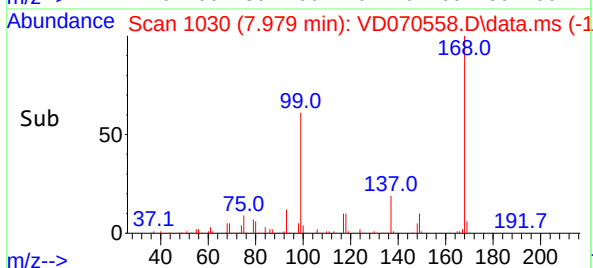
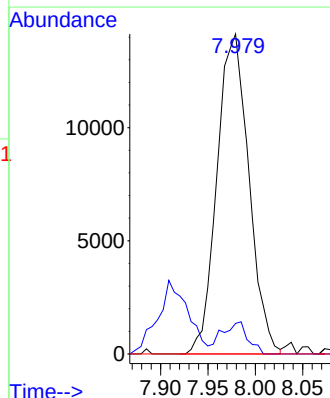
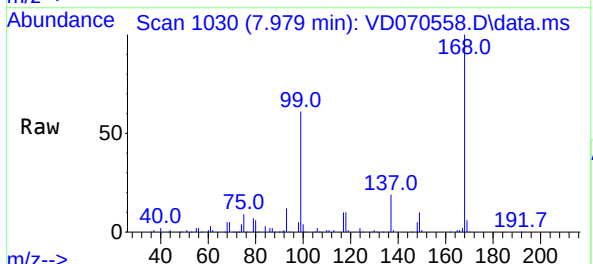
Instrument :
MSVOA_D
ClientSampleId :
TP-1-(1.5-2.0)

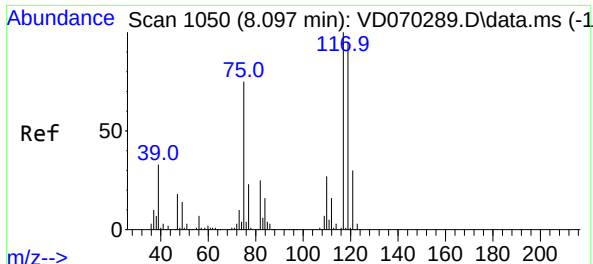
Tgt Ion:113 Resp: 275838
Ion Ratio Lower Upper
113 100
111 103.3 81.4 122.2
192 16.7 13.0 19.6



#36
1,1-Dichloropropene
Concen: 3.977 ug/l
RT: 7.979 min Scan# 1030
Delta R.T. -0.129 min
Lab File: VD070558.D
Acq: 04 Oct 2021 18:34

Tgt Ion: 75 Resp: 33144
Ion Ratio Lower Upper
75 100
110 8.2 17.9 53.7#
77 0.0 25.3 37.9#



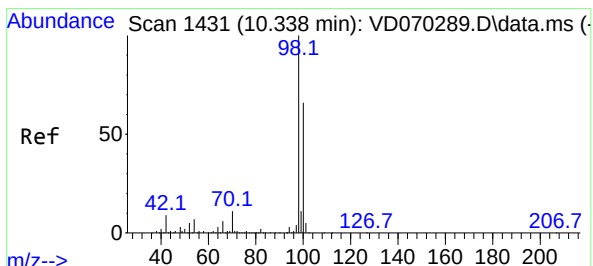
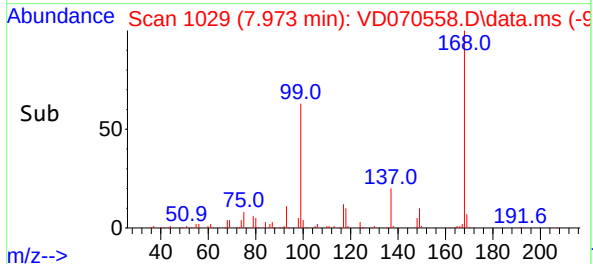
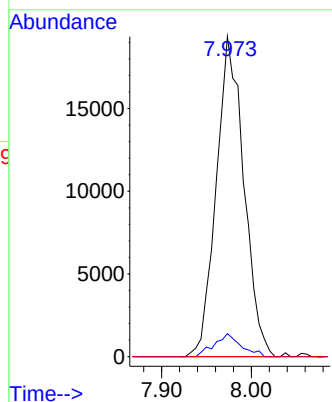
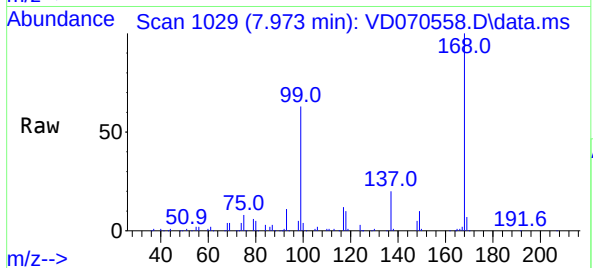


#38

Carbon Tetrachloride
Concen: 5.009 ug/l
RT: 7.973 min Scan# 1029
Delta R.T. -0.123 min
Lab File: VD070558.D
Acq: 04 Oct 2021 18:34

Instrument :
MSVOA_D
ClientSampleId :
TP-1-(1.5-2.0)

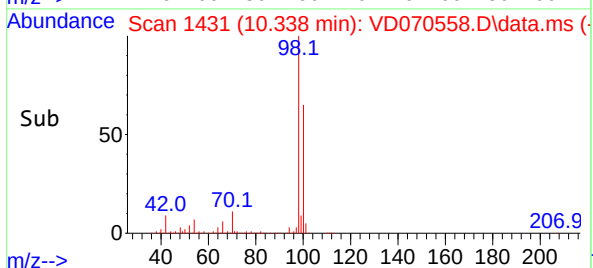
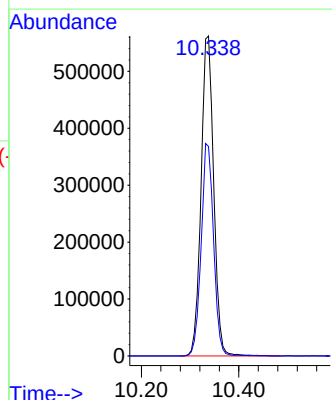
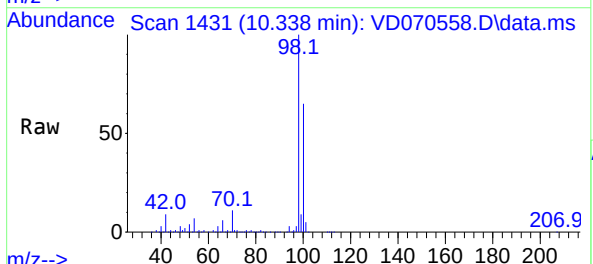
Tgt Ion:117 Resp: 41286
Ion Ratio Lower Upper
117 100
119 7.2 76.1 114.1#
121 0.0 23.8 35.6#

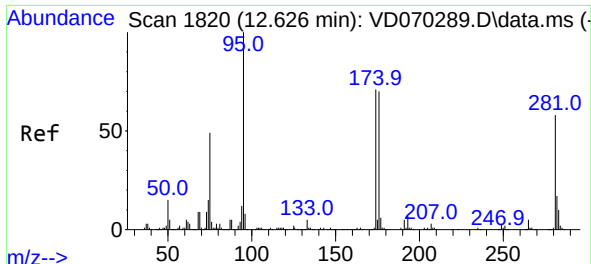


#50

Toluene-d8
Concen: 50.159 ug/l
RT: 10.338 min Scan# 1431
Delta R.T. 0.000 min
Lab File: VD070558.D
Acq: 04 Oct 2021 18:34

Tgt Ion: 98 Resp: 1010791
Ion Ratio Lower Upper
98 100
100 65.2 52.0 78.0



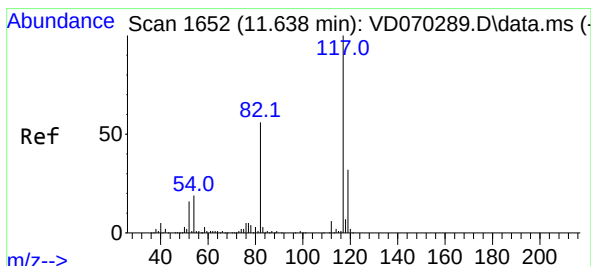
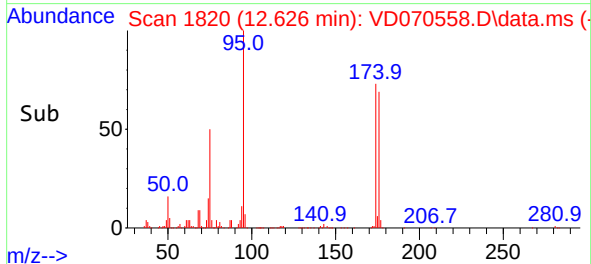
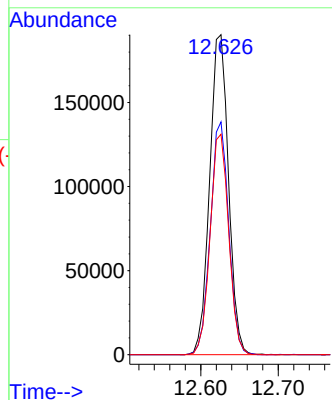
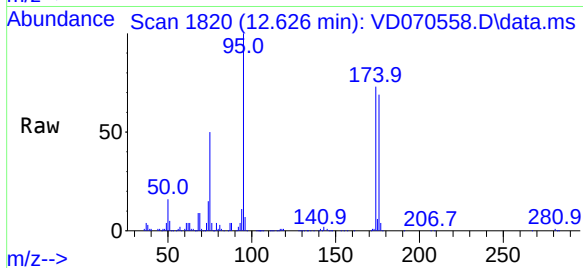


#62
4-Bromofluorobenzene
Concen: 45.605 ug/l
RT: 12.626 min Scan# 1820
Delta R.T. 0.000 min
Lab File: VD070558.D
Acq: 04 Oct 2021 18:34

Instrument :
MSVOA_D
ClientSampleId :
TP-1-(1.5-2.0)

Tgt Ion: 95 Resp: 321185

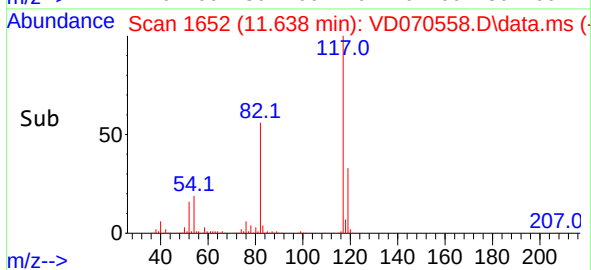
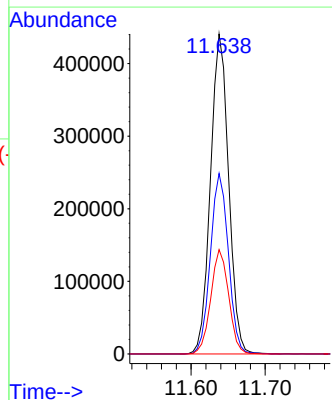
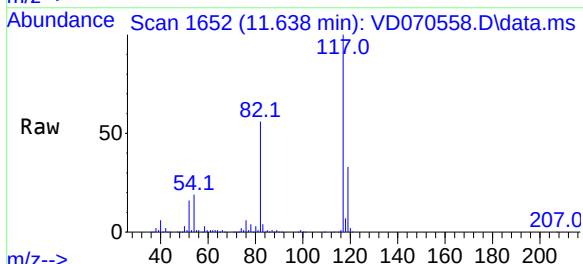
Ion	Ratio	Lower	Upper
95	100		
174	71.0	0.0	140.6
176	68.0	0.0	137.4

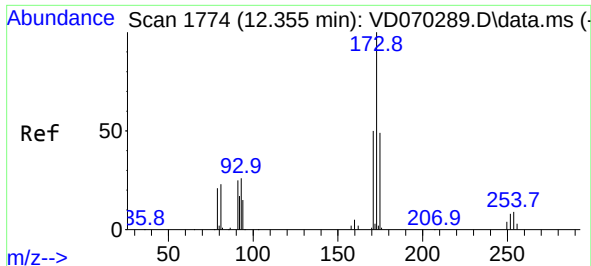


#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.638 min Scan# 1652
Delta R.T. 0.000 min
Lab File: VD070558.D
Acq: 04 Oct 2021 18:34

Tgt Ion: 117 Resp: 749557

Ion	Ratio	Lower	Upper
117	100		
82	56.4	45.0	67.4
119	32.6	25.2	37.8

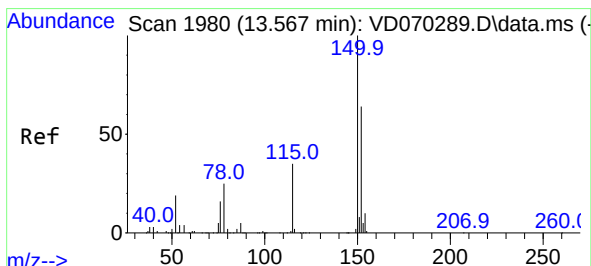
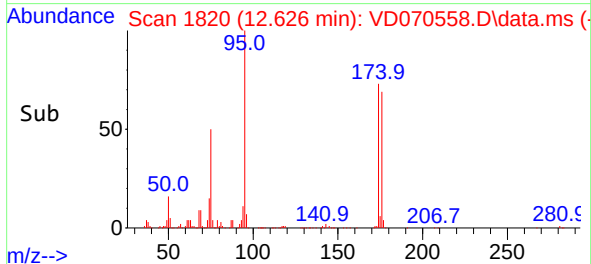
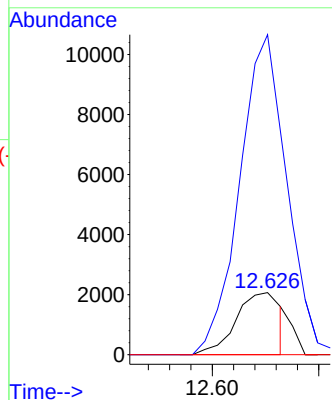
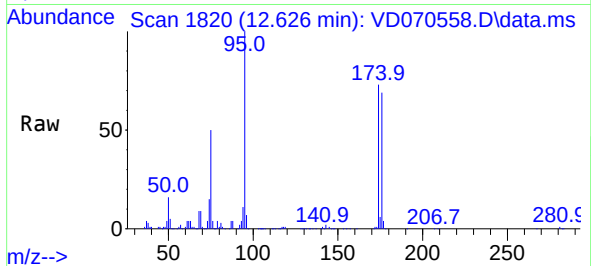




#71
Bromoform
Concen: 1.071 ug/l
RT: 12.626 min Scan# 1820
Delta R.T. 0.271 min
Lab File: VD070558.D
Acq: 04 Oct 2021 18:34

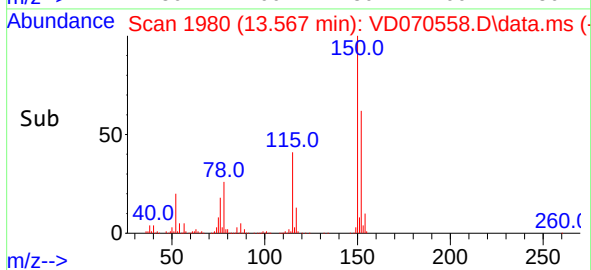
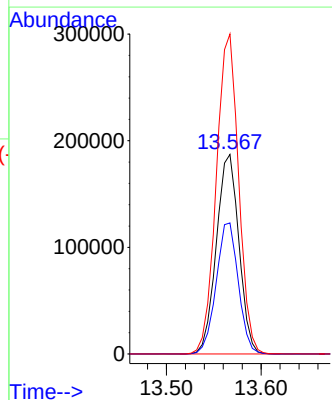
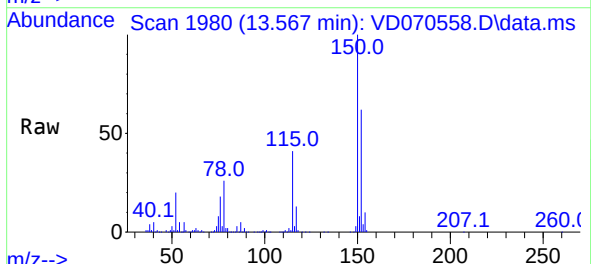
Instrument :
MSVOA_D
ClientSampleId :
TP-1-(1.5-2.0)

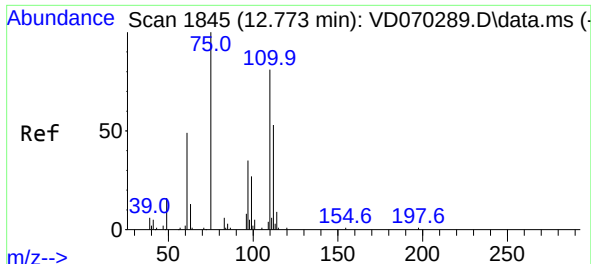
Tgt Ion:173 Resp: 3010
Ion Ratio Lower Upper
173 100
175 463.8 25.1 75.2#
254 0.0 0.1 0.1#



#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 13.567 min Scan# 1980
Delta R.T. 0.000 min
Lab File: VD070558.D
Acq: 04 Oct 2021 18:34

Tgt Ion:152 Resp: 310048
Ion Ratio Lower Upper
152 100
115 64.6 32.1 96.3
150 158.5 0.0 350.6

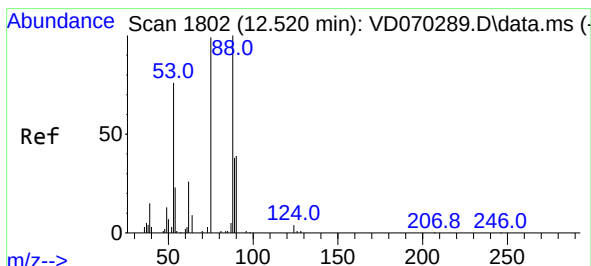
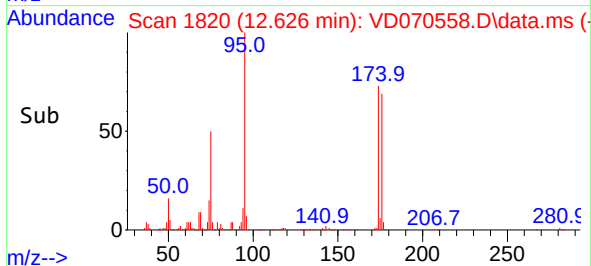
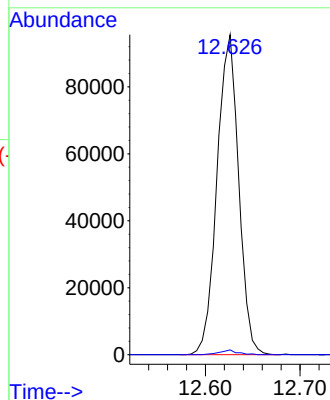
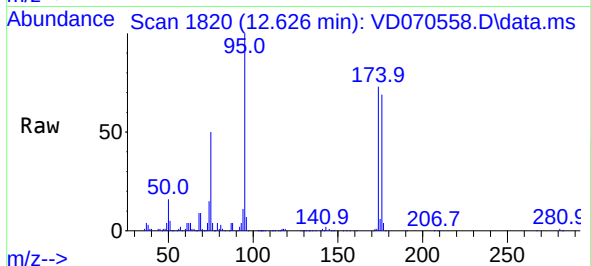




#76
1,2,3-Trichloropropane
Concen: 48.401 ug/l
RT: 12.626 min Scan# 1820
Delta R.T. -0.147 min
Lab File: VD070558.D
Acq: 04 Oct 2021 18:34

Instrument :
MSVOA_D
ClientSampleId :
TP-1-(1.5-2.0)

Tgt Ion: 75 Resp: 151794
Ion Ratio Lower Upper
75 100
77 1.2 174.9 524.7#



#81
trans-1,4-Dichloro-2-butene
Concen: 121.273 ug/l
RT: 12.626 min Scan# 1820
Delta R.T. 0.106 min
Lab File: VD070558.D
Acq: 04 Oct 2021 18:34

Tgt Ion: 75 Resp: 151794
Ion Ratio Lower Upper
75 100
53 0.3 64.2 96.2#
89 0.0 35.6 53.4#

