

Data Path : Z:\voasrv\HPCHEM1\MSVOA_D\Data\VD102821\
 Data File : VD070892.D
 Acq On : 28 Oct 2021 14:58
 Operator : VA/SY
 Sample : M4375-02RE
 Misc : 5.06G/5.00ml/MSVOA_D/SOIL
 ALS Vial : 10 Sample Multiplier: 1

Instrument :
 MSVOA_D
 ClientSampleId :

Quant Time: Oct 29 05:23:43 2021
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_D\Method\82D102621S.M
 Quant Title : SW846 8260
 QLast Update : Wed Oct 27 05:34:47 2021
 Response via : Initial Calibration

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

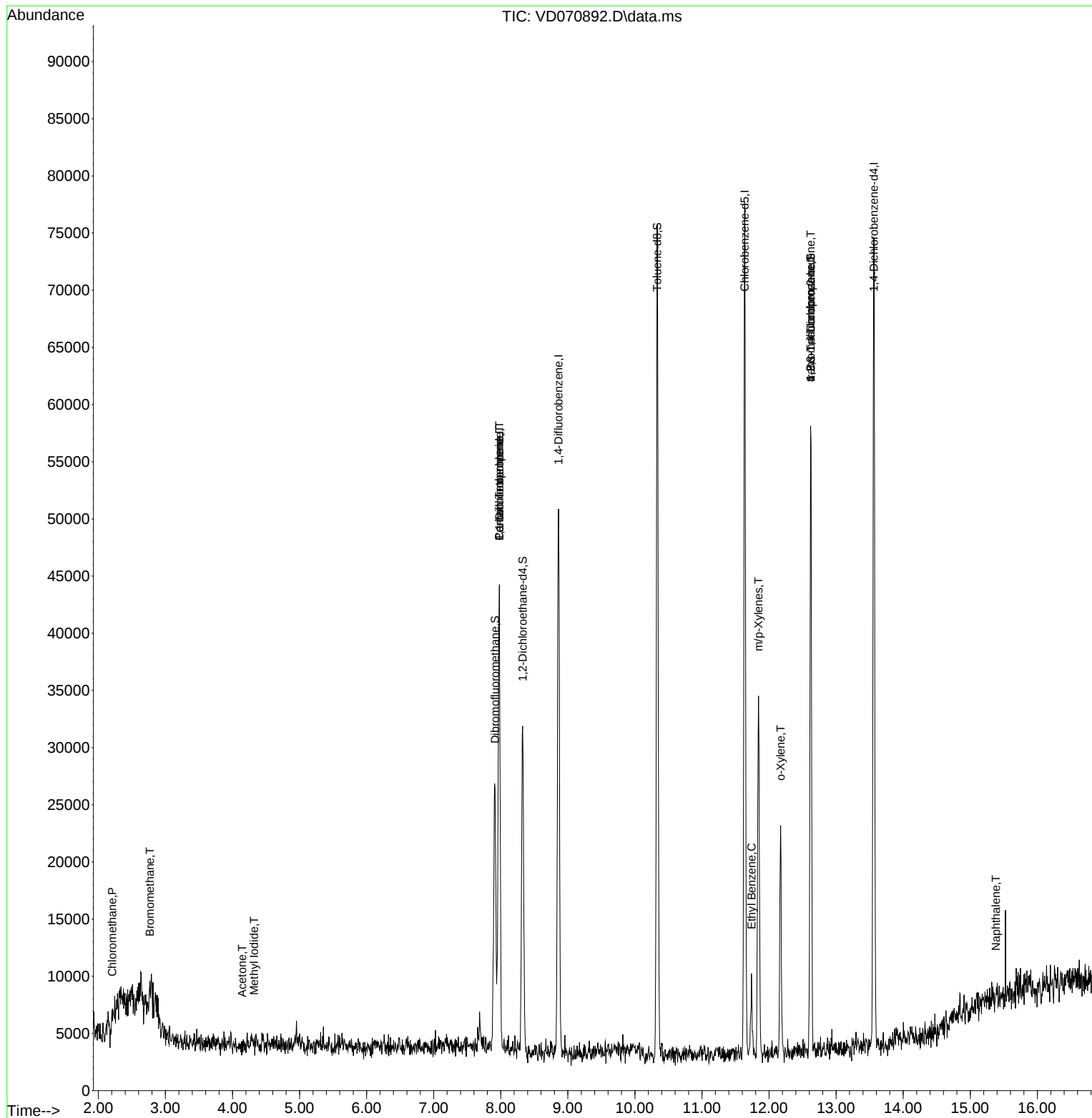
Internal Standards						
1) Pentafluorobenzene	7.979	168	29138	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	8.861	114	45222	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.638	117	46989	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.561	152	22787	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.326	65	22007	75.095	ug/l	0.00
Spiked Amount	50.000	Range	50 - 163	Recovery	= 150.180%	
35) Dibromofluoromethane	7.914	113	16456	55.190	ug/l	0.00
Spiked Amount	50.000	Range	54 - 147	Recovery	= 110.380%	
50) Toluene-d8	10.332	98	51917	46.281	ug/l	0.00
Spiked Amount	50.000	Range	49 - 140	Recovery	= 92.560%	
62) 4-Bromofluorobenzene	12.620	95	19231	51.958	ug/l	0.00
Spiked Amount	50.000	Range	25 - 144	Recovery	= 103.920%	
Target Compounds						
					Qvalue	
3) Chloromethane	2.209	50	621	1.624	ug/l #	54
5) Bromomethane	2.767	94	1799	3.036	ug/l #	57
10) Methyl Iodide	4.320	142	810	5.739	ug/l #	48
16) Acetone	4.144	43	112	1.643	ug/l #	40
20) Methylene Chloride	4.944	84	515	Below Cal	#	45
36) 1,1-Dichloropropene	7.979	75	2633	5.565	ug/l #	41
38) Carbon Tetrachloride	7.979	117	3209	6.745	ug/l #	12
67) Ethyl Benzene	11.738	91	4129	2.460	ug/l #	60
68) m/p-Xylenes	11.843	106	11154	17.064	ug/l	82
69) o-Xylene	12.173	106	5421	9.157	ug/l	93
76) 1,2,3-Trichloropropane	12.620	75	8276	36.894	ug/l #	1
81) trans-1,4-Dichloro-2-b...	12.620	75	8276	96.834	ug/l #	18
95) Naphthalene	15.384	128	554	4.834	ug/l #	69

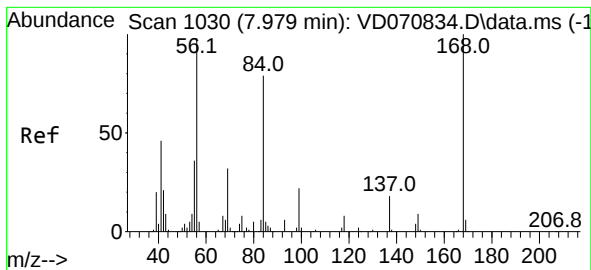
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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Quant Time: Oct 29 05:23:43 2021
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QLast Update : Wed Oct 27 05:34:47 2021
Response via : Initial Calibration

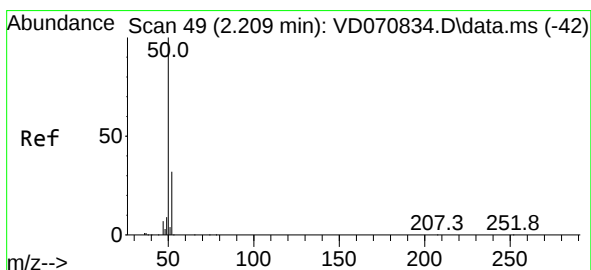
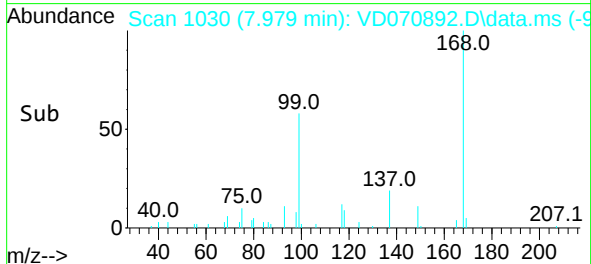
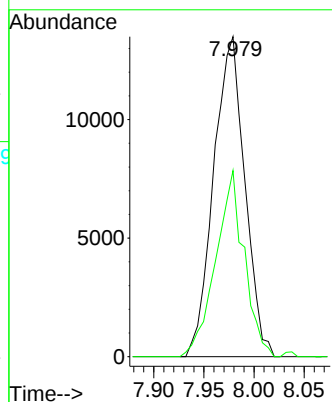
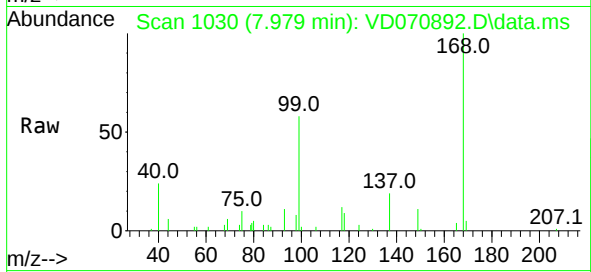




#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 7.979 min Scan# 1030
Delta R.T. -0.000 min
Lab File: VD070892.D
Acq: 28 Oct 2021 14:58

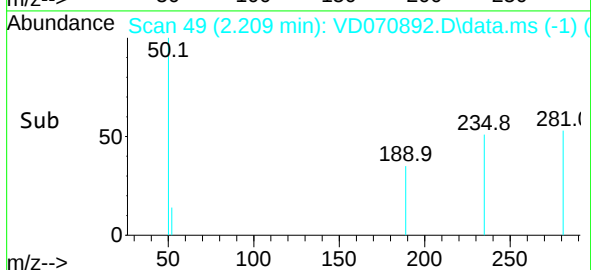
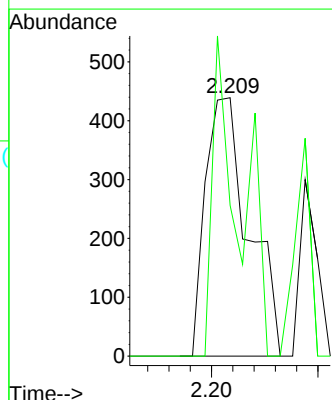
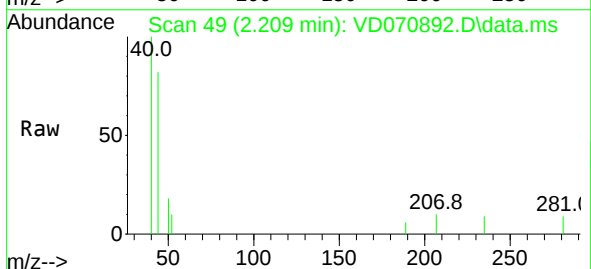
Instrument :
MSVOA_D
ClientSampled :

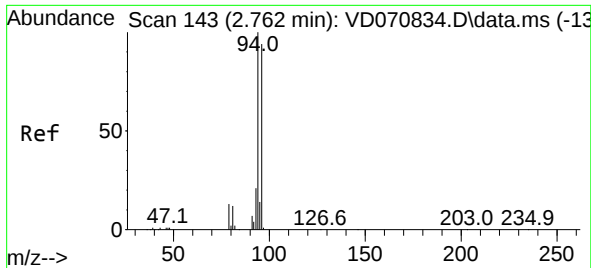
Tgt Ion:168 Resp: 29138
Ion Ratio Lower Upper
168 100
99 58.1 46.6 69.8



#3
Chloromethane
Concen: 1.624 ug/l
RT: 2.209 min Scan# 49
Delta R.T. 0.000 min
Lab File: VD070892.D
Acq: 28 Oct 2021 14:58

Tgt Ion: 50 Resp: 621
Ion Ratio Lower Upper
50 100
52 58.3 25.8 38.8#

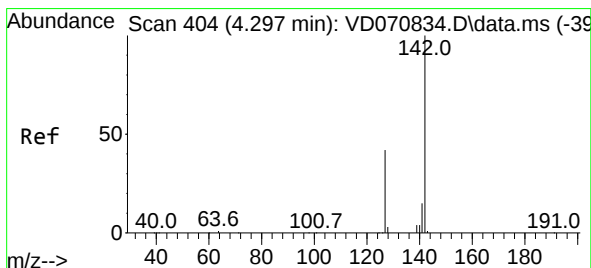
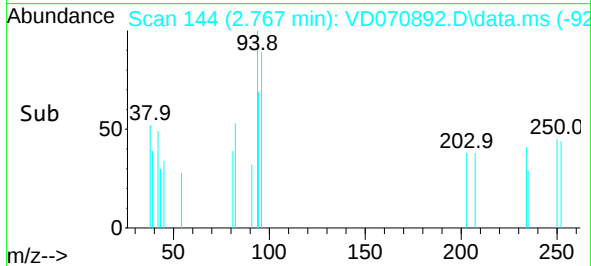
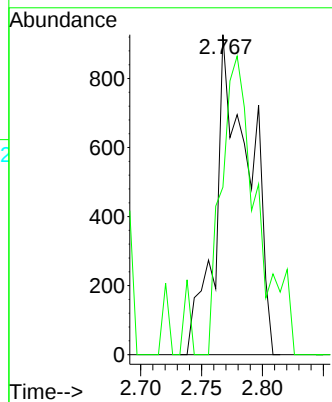
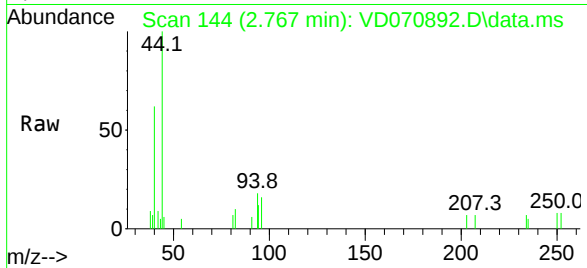




#5
Bromomethane
Concen: 3.036 ug/l
RT: 2.767 min Scan# 144
Delta R.T. 0.005 min
Lab File: VD070892.D
Acq: 28 Oct 2021 14:58

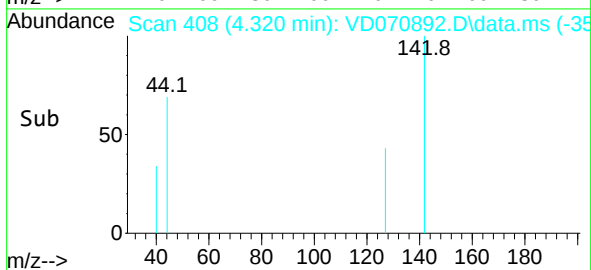
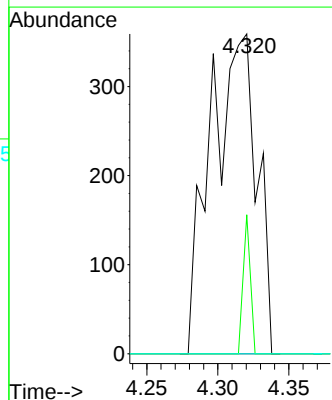
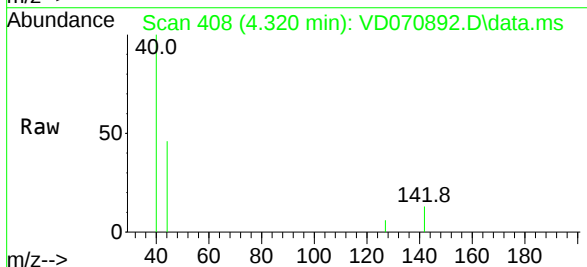
Instrument :
MSVOA_D
ClientSampleId :

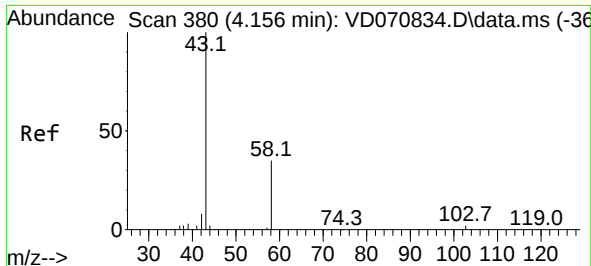
Tgt Ion: 94 Resp: 1799
Ion Ratio Lower Upper
94 100
96 52.3 74.8 112.2#



#10
Methyl Iodide
Concen: 5.739 ug/l
RT: 4.320 min Scan# 408
Delta R.T. 0.023 min
Lab File: VD070892.D
Acq: 28 Oct 2021 14:58

Tgt Ion:142 Resp: 810
Ion Ratio Lower Upper
142 100
127 6.8 35.0 52.4#
141 0.0 12.0 18.0#

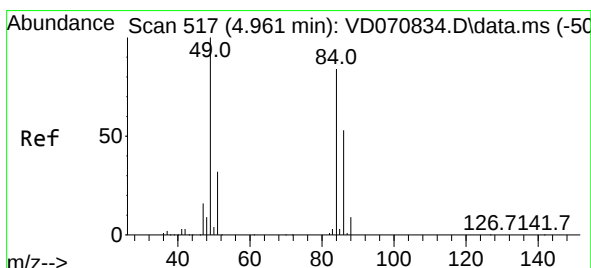
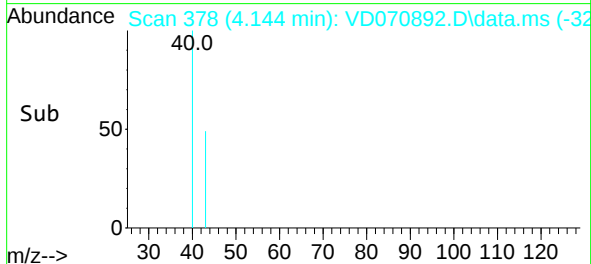
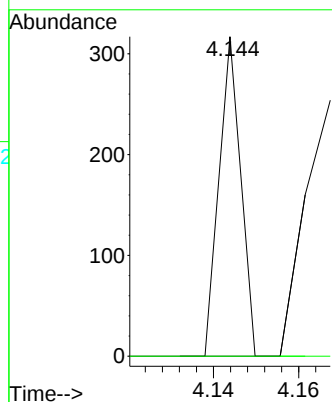
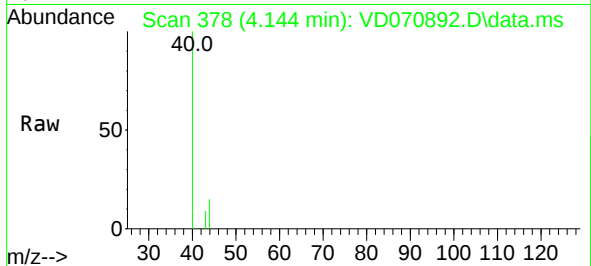




#16
Acetone
Concen: 1.643 ug/l
RT: 4.144 min Scan# 378
Delta R.T. -0.012 min
Lab File: VD070892.D
Acq: 28 Oct 2021 14:58

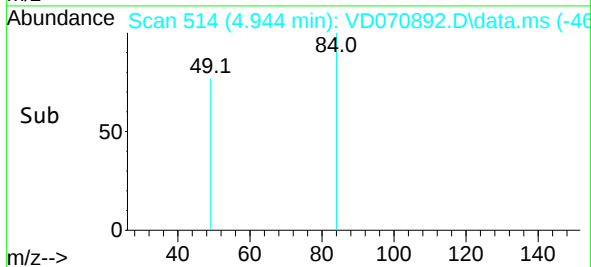
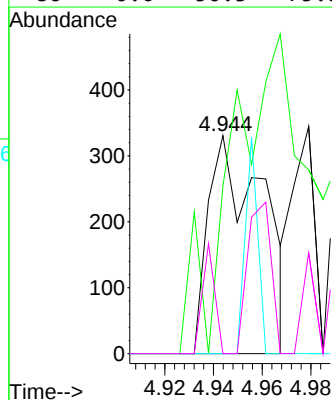
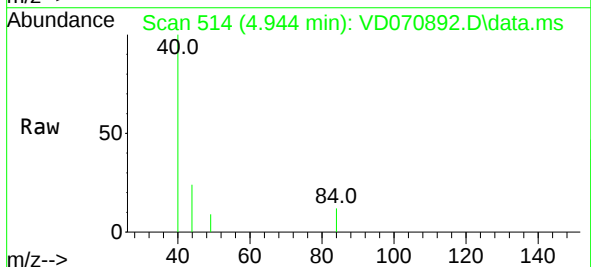
Instrument :
MSVOA_D
ClientSampled :

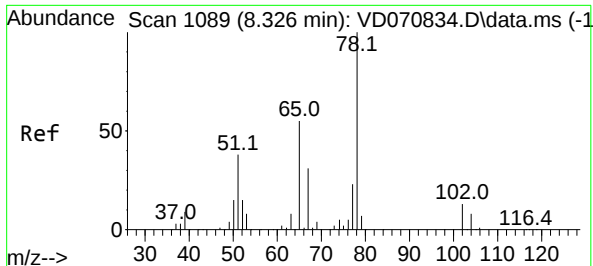
Tgt Ion: 43 Resp: 112
Ion Ratio Lower Upper
43 100
58 0.0 27.8 41.8#



#20
Methylene Chloride
Concen: Below Cal
RT: 4.944 min Scan# 514
Delta R.T. -0.017 min
Lab File: VD070892.D
Acq: 28 Oct 2021 14:58

Tgt Ion: 84 Resp: 515
Ion Ratio Lower Upper
84 100
49 76.7 95.8 143.6#
51 0.0 30.9 46.3#
86 0.0 50.3 75.5#



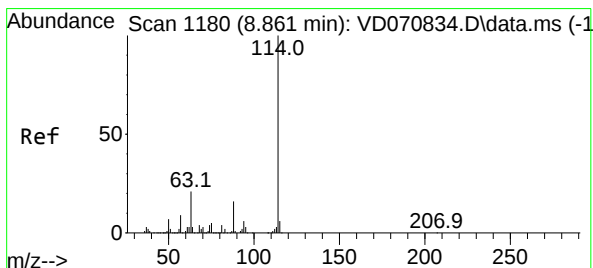
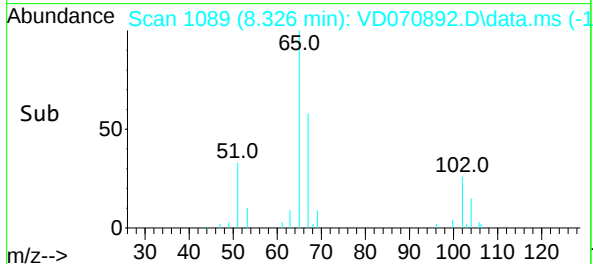
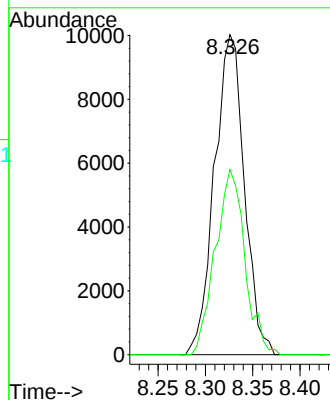
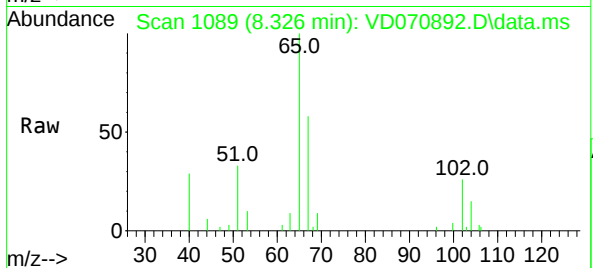


#33

1,2-Dichloroethane-d4
Concen: 75.095 ug/l
RT: 8.326 min Scan# 1089
Delta R.T. 0.000 min
Lab File: VD070892.D
Acq: 28 Oct 2021 14:58

Instrument :
MSVOA_D
ClientSampleId :

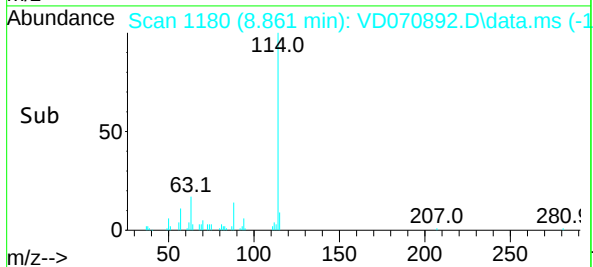
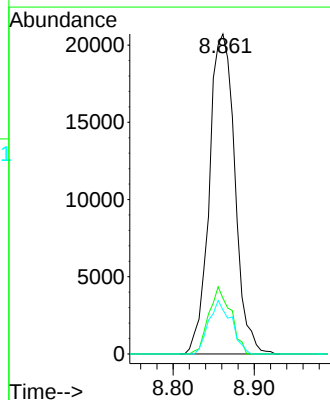
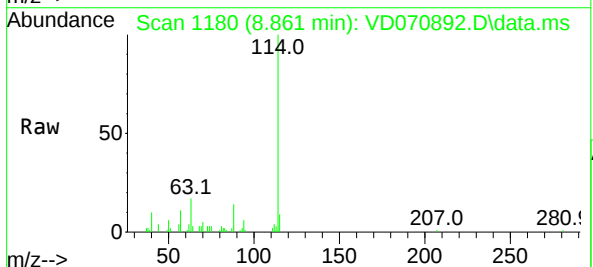
Tgt Ion: 65 Resp: 22007
Ion Ratio Lower Upper
65 100
67 57.2 0.0 112.2

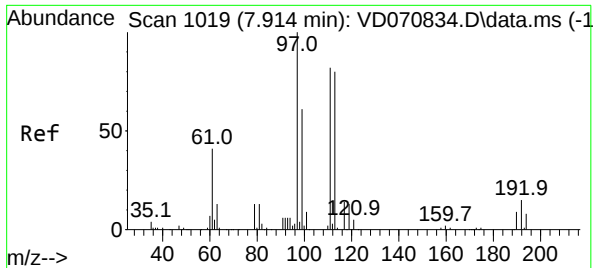


#34

1,4-Difluorobenzene
Concen: 50.000 ug/l
RT: 8.861 min Scan# 1180
Delta R.T. 0.000 min
Lab File: VD070892.D
Acq: 28 Oct 2021 14:58

Tgt Ion:114 Resp: 45222
Ion Ratio Lower Upper
114 100
63 17.4 0.0 41.8
88 13.8 0.0 32.8

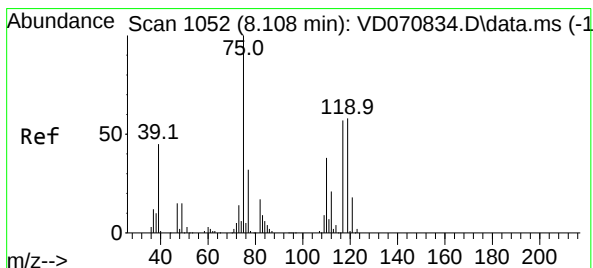
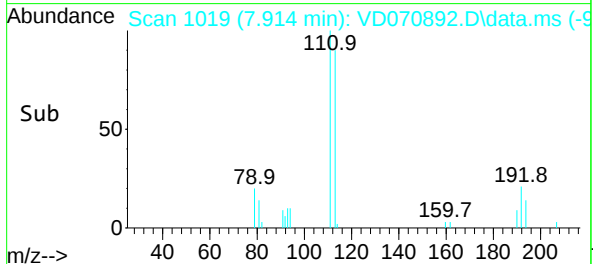
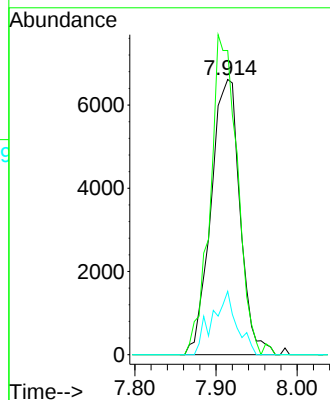
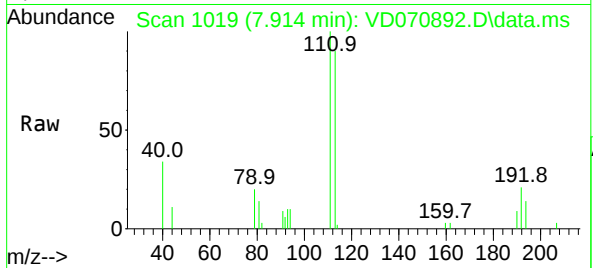




#35
Dibromofluoromethane
Concen: 55.190 ug/l
RT: 7.914 min Scan# 1019
Delta R.T. 0.000 min
Lab File: VD070892.D
Acq: 28 Oct 2021 14:58

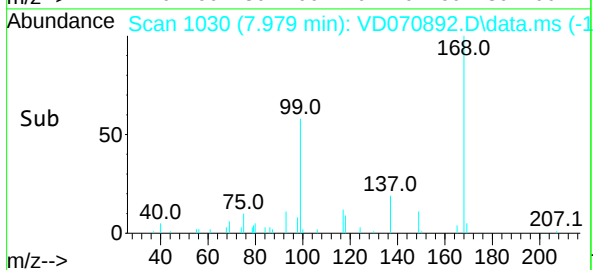
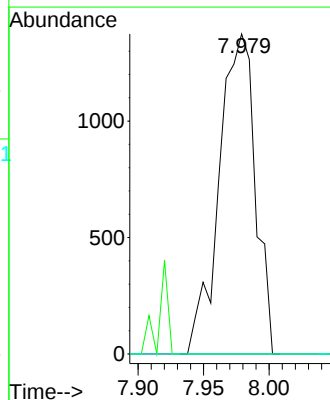
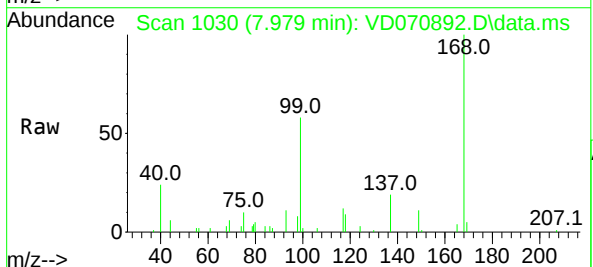
Instrument :
MSVOA_D
ClientSampled :

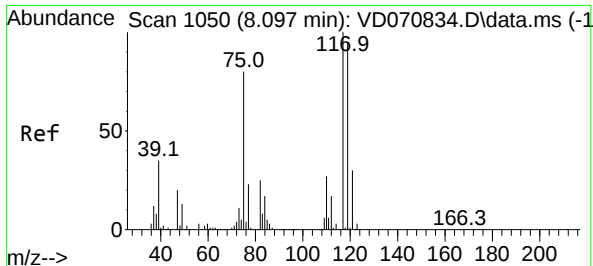
Tgt Ion:113 Resp: 16456
Ion Ratio Lower Upper
113 100
111 107.8 82.0 123.0
192 19.6 15.2 22.8



#36
1,1-Dichloropropene
Concen: 5.565 ug/l
RT: 7.979 min Scan# 1030
Delta R.T. -0.129 min
Lab File: VD070892.D
Acq: 28 Oct 2021 14:58

Tgt Ion: 75 Resp: 2633
Ion Ratio Lower Upper
75 100
110 0.0 17.8 53.4#
77 0.0 24.8 37.2#

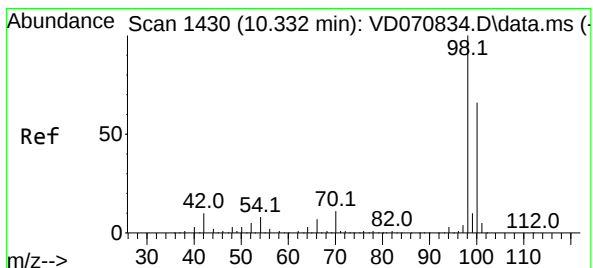
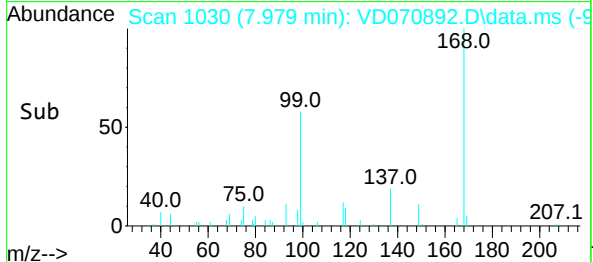
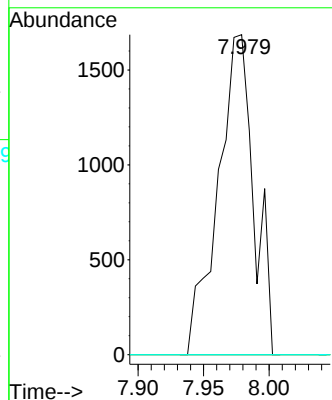
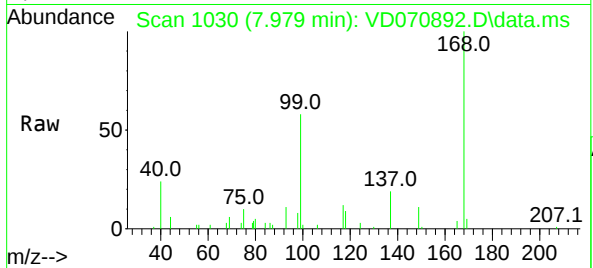




#38
Carbon Tetrachloride
Concen: 6.745 ug/l
RT: 7.979 min Scan# 1030
Delta R.T. -0.118 min
Lab File: VD070892.D
Acq: 28 Oct 2021 14:58

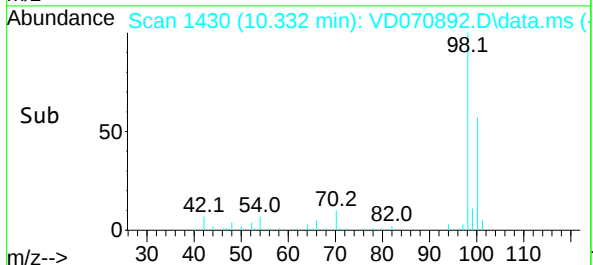
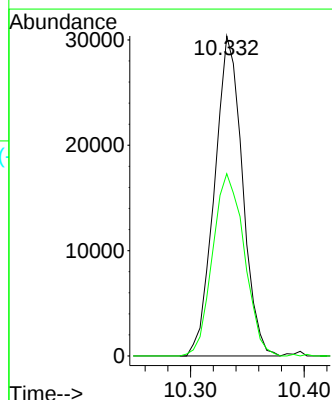
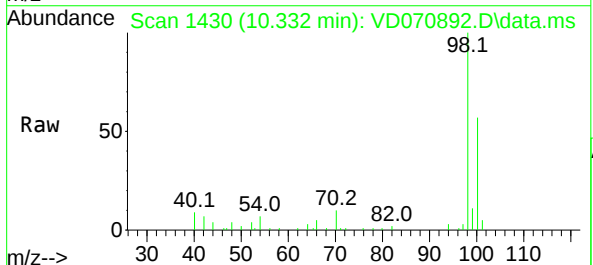
Instrument :
MSVOA_D
ClientSampled :

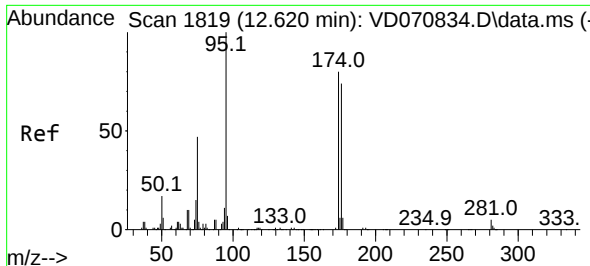
Tgt Ion:117 Resp: 3209
Ion Ratio Lower Upper
117 100
119 0.0 75.8 113.6#
121 0.0 23.6 35.4#



#50
Toluene-d8
Concen: 46.281 ug/l
RT: 10.332 min Scan# 1430
Delta R.T. 0.000 min
Lab File: VD070892.D
Acq: 28 Oct 2021 14:58

Tgt Ion: 98 Resp: 51917
Ion Ratio Lower Upper
98 100
100 64.5 51.8 77.6

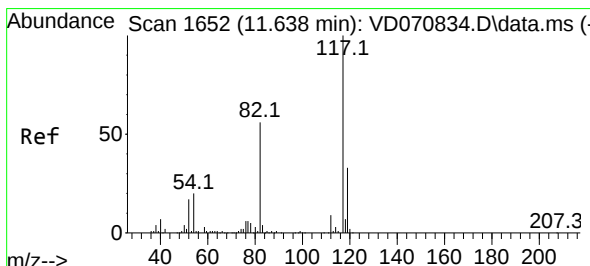
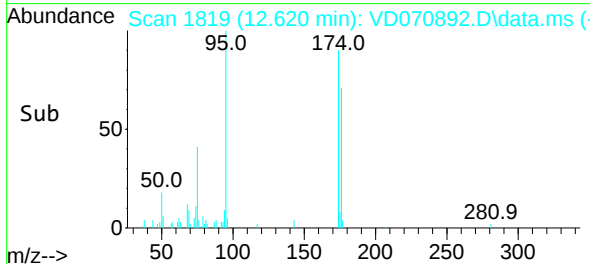
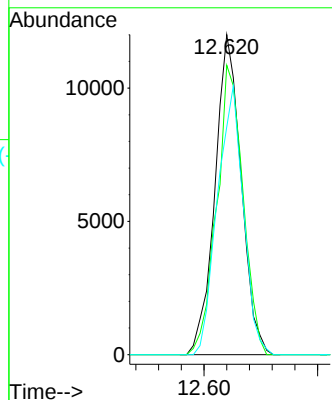
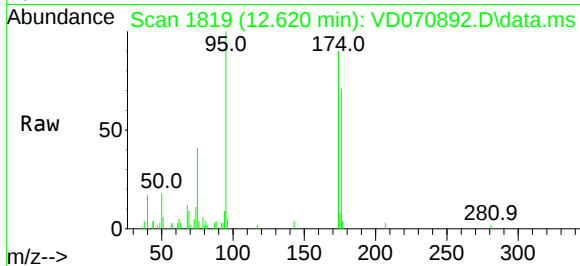




#62
4-Bromofluorobenzene
Concen: 51.958 ug/l
RT: 12.620 min Scan# 1819
Delta R.T. 0.000 min
Lab File: VD070892.D
Acq: 28 Oct 2021 14:58

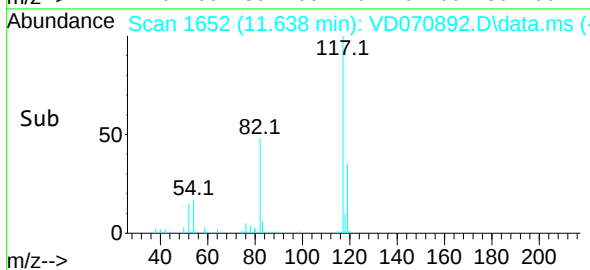
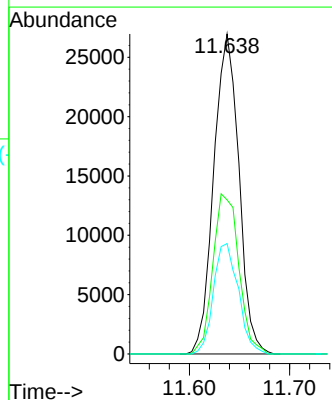
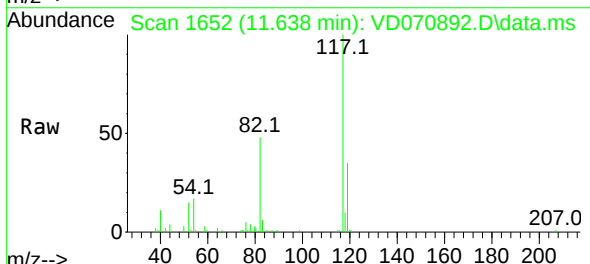
Instrument :
MSVOA_D
ClientSampleId :

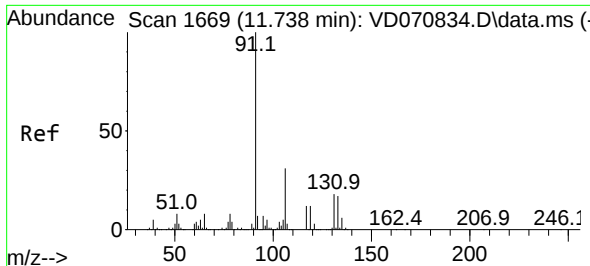
Tgt Ion:	95	Resp:	19231
Ion	Ratio	Lower	Upper
95	100		
174	90.7	0.0	159.4
176	82.9	0.0	154.0



#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.638 min Scan# 1652
Delta R.T. 0.000 min
Lab File: VD070892.D
Acq: 28 Oct 2021 14:58

Tgt Ion:	117	Resp:	46989
Ion	Ratio	Lower	Upper
117	100		
82	48.2	44.7	67.1
119	34.5	26.2	39.4

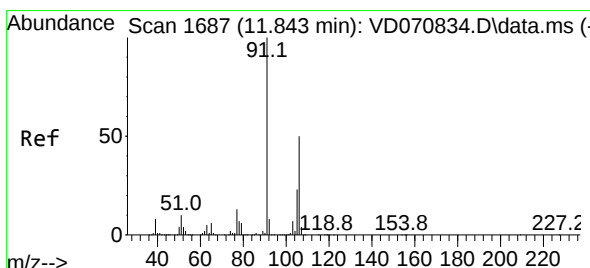
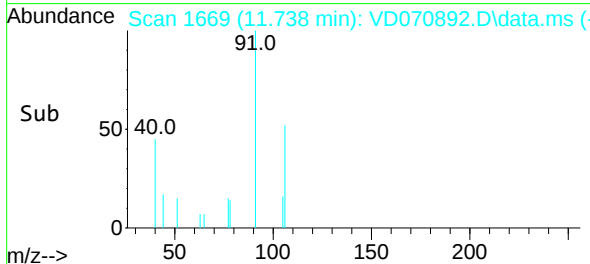
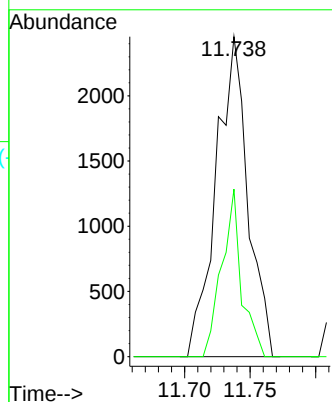
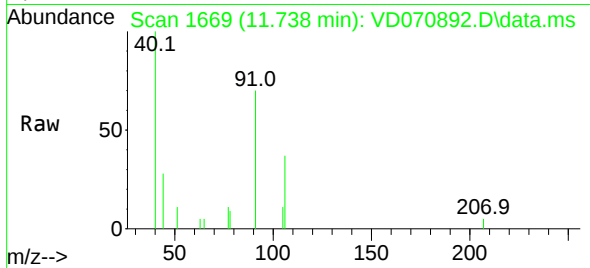




#67
Ethyl Benzene
Concen: 2.460 ug/l
RT: 11.738 min Scan# 1669
Delta R.T. 0.000 min
Lab File: VD070892.D
Acq: 28 Oct 2021 14:58

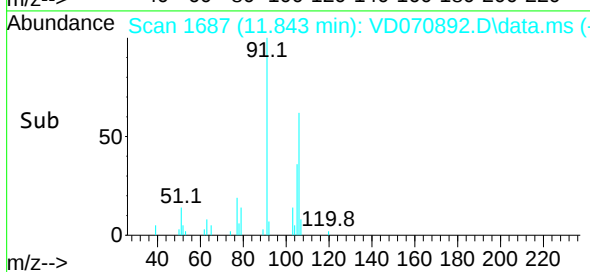
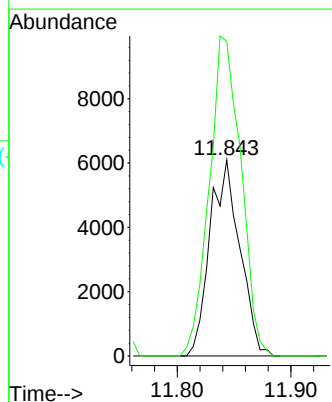
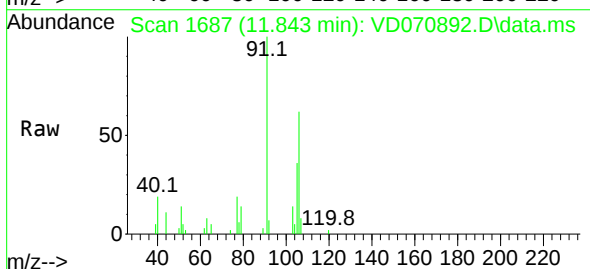
Instrument :
MSVOA_D
ClientSampled :

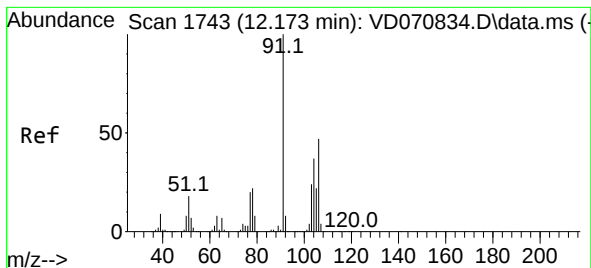
Tgt Ion: 91 Resp: 4129
Ion Ratio Lower Upper
91 100
106 52.4 24.6 36.8#



#68
m/p-Xylenes
Concen: 17.064 ug/l
RT: 11.843 min Scan# 1687
Delta R.T. 0.000 min
Lab File: VD070892.D
Acq: 28 Oct 2021 14:58

Tgt Ion:106 Resp: 11154
Ion Ratio Lower Upper
106 100
91 172.7 160.1 240.1

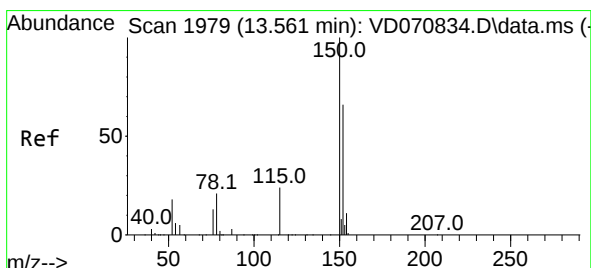
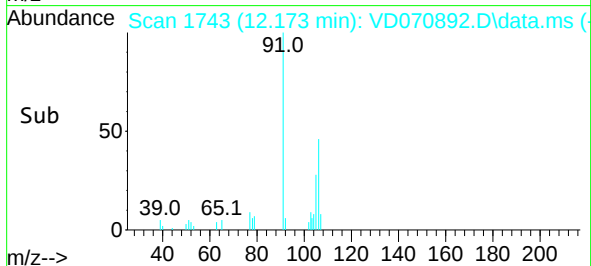
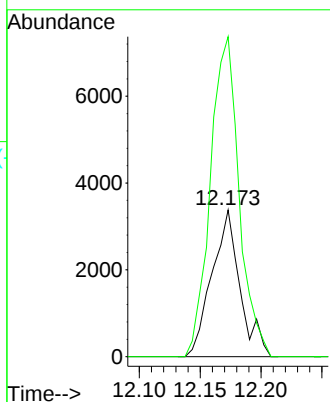
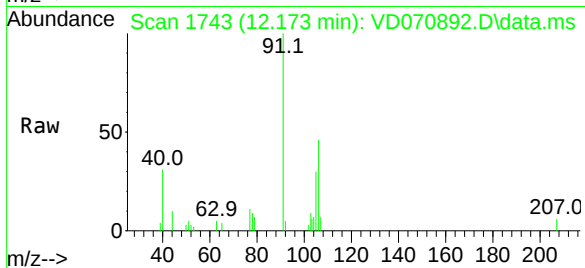




#69
o-Xylene
Concen: 9.157 ug/l
RT: 12.173 min Scan# 1743
Delta R.T. 0.000 min
Lab File: VD070892.D
Acq: 28 Oct 2021 14:58

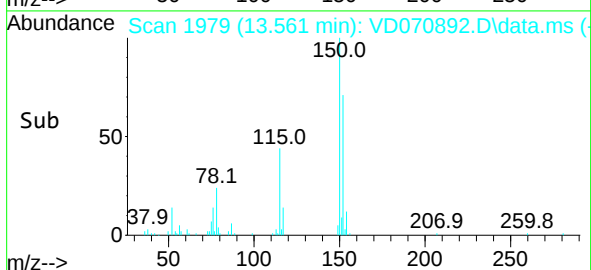
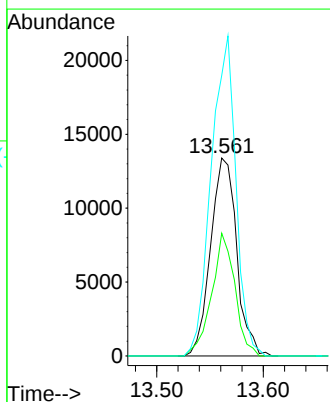
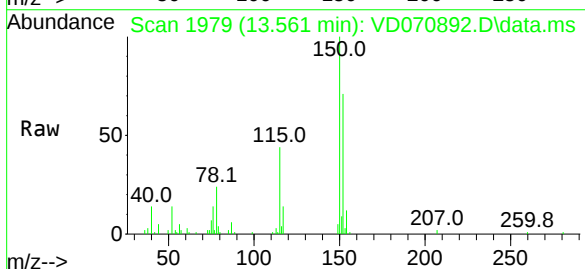
Instrument :
MSVOA_D
ClientSampled :

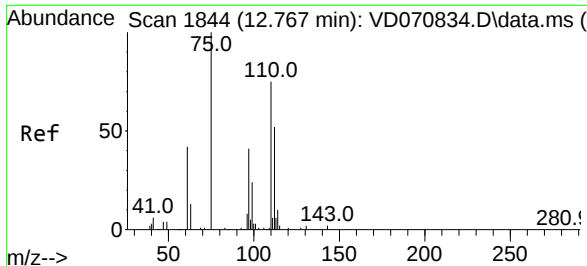
Tgt Ion:106 Resp: 5421
Ion Ratio Lower Upper
106 100
91 223.3 106.3 319.0



#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 13.561 min Scan# 1979
Delta R.T. 0.000 min
Lab File: VD070892.D
Acq: 28 Oct 2021 14:58

Tgt Ion:152 Resp: 22787
Ion Ratio Lower Upper
152 100
115 55.2 29.8 89.3
150 152.9 0.0 349.2

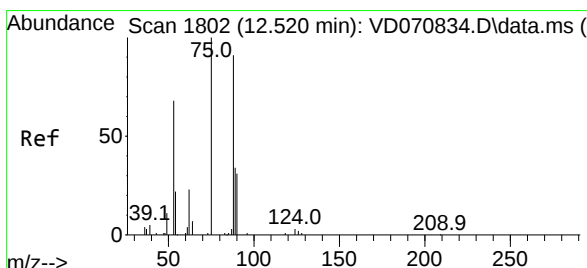
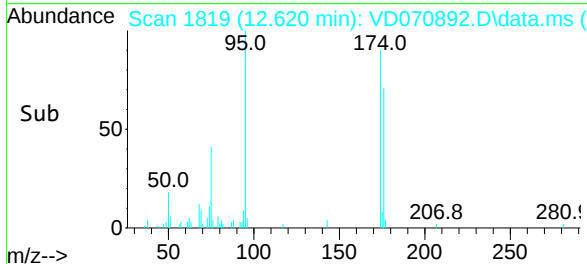
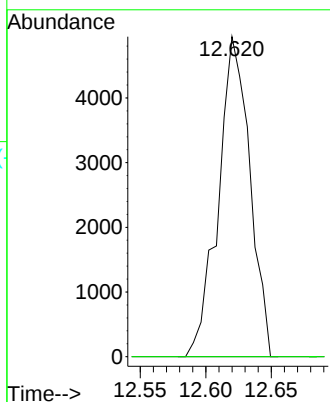
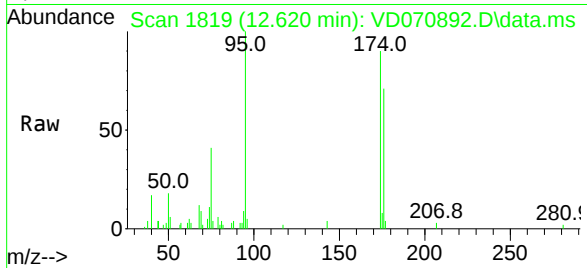




#76
1,2,3-Trichloropropane
Concen: 36.894 ug/l
RT: 12.620 min Scan# 1819
Delta R.T. -0.147 min
Lab File: VD070892.D
Acq: 28 Oct 2021 14:58

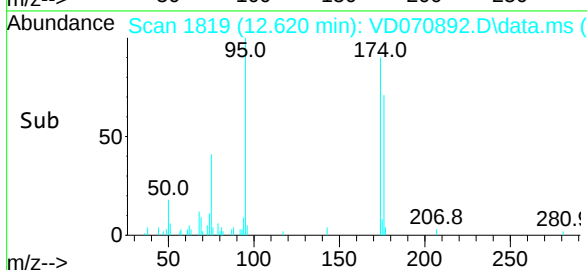
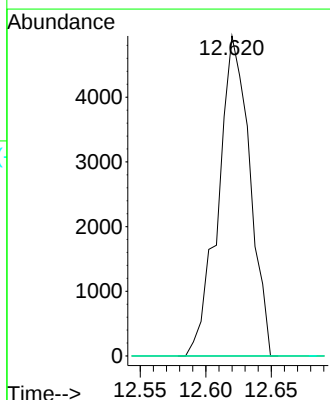
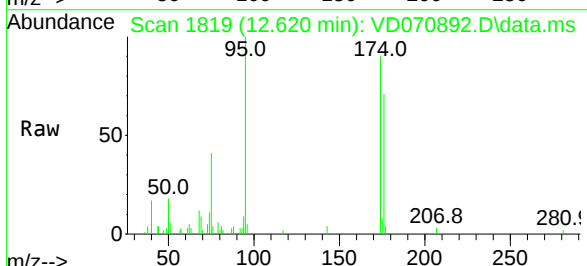
Instrument :
MSVOA_D
ClientSampleId :

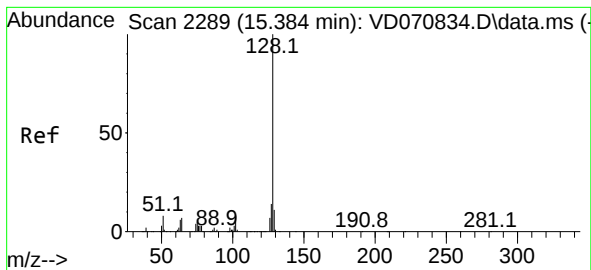
Tgt Ion: 75 Resp: 8276
Ion Ratio Lower Upper
75 100
77 0.0 158.4 475.3#



#81
trans-1,4-Dichloro-2-butene
Concen: 96.834 ug/l
RT: 12.620 min Scan# 1819
Delta R.T. 0.100 min
Lab File: VD070892.D
Acq: 28 Oct 2021 14:58

Tgt Ion: 75 Resp: 8276
Ion Ratio Lower Upper
75 100
53 0.0 62.6 94.0#
89 0.0 34.5 51.7#





#95
Naphthalene
Concen: 4.834 ug/l
RT: 15.384 min Scan# 2289
Delta R.T. 0.000 min
Lab File: VD070892.D
Acq: 28 Oct 2021 14:58

Instrument :
MSVOA_D
ClientSampleId :

Tgt Ion:128 Resp: 554
Ion Ratio Lower Upper
128 100
127 0.0 10.7 16.1#
129 0.0 8.7 13.1#

