

Data Path : Z:\voasrv\HPCHEM1\MSVOA_D\Data\VD100821\
 Data File : VD070648.D
 Acq On : 08 Oct 2021 19:38
 Operator : VA/SY
 Sample : M4020-01
 Misc : 5.65G/5.00ml/MSVOA_D/SOIL
 ALS Vial : 22 Sample Multiplier: 1

Instrument :
 MSVOA_D
 ClientSampleId :

Quant Time: Oct 11 02:25:18 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)

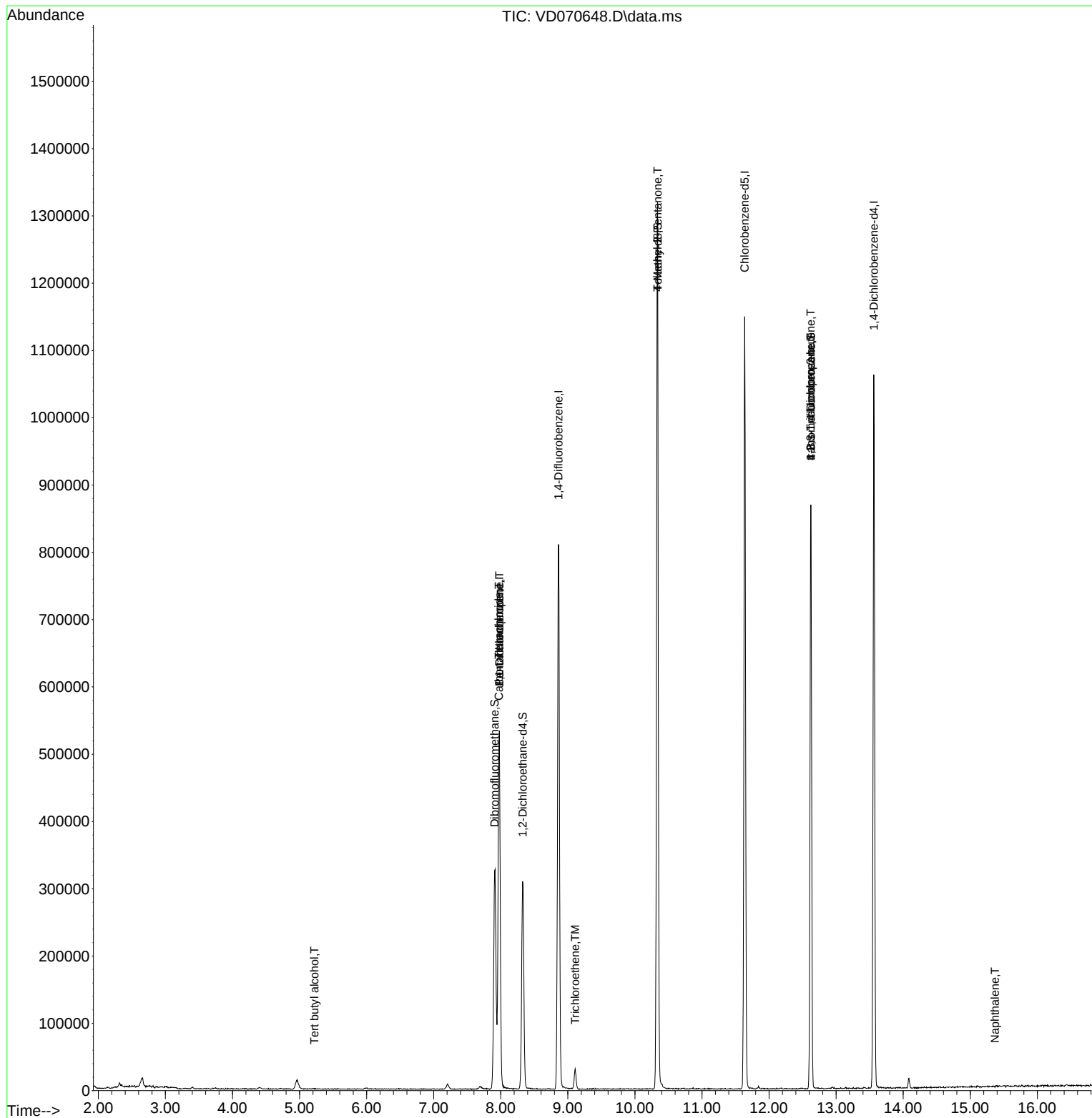
Internal Standards						
1) Pentafluorobenzene	7.979	168	376749	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	8.861	114	714582	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.638	117	675677	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.561	152	279049	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.326	65	252768	57.009	ug/l	0.00
Spiked Amount 50.000	Range 50 - 163		Recovery = 114.020%			
35) Dibromofluoromethane	7.908	113	246351	51.853	ug/l	0.00
Spiked Amount 50.000	Range 54 - 147		Recovery = 103.700%			
50) Toluene-d8	10.338	98	931878	51.309	ug/l	0.00
Spiked Amount 50.000	Range 49 - 140		Recovery = 102.620%			
62) 4-Bromofluorobenzene	12.626	95	292590	48.201	ug/l	0.00
Spiked Amount 50.000	Range 25 - 144		Recovery = 96.400%			
Target Compounds						
					Qvalue	
5) Bromomethane	2.756	94	698	Below Cal	#	76
11) Tert butyl alcohol	5.220	59	683	3.110	ug/l #	83
20) Methylene Chloride	4.956	84	11723	Below Cal	#	74
36) 1,1-Dichloropropene	7.979	75	31788	4.189	ug/l #	50
38) Carbon Tetrachloride	7.973	117	40207	5.062	ug/l #	15
44) Trichloroethene	9.108	130	11129	2.018	ug/l	85
51) 4-Methyl-2-Pentanone	10.338	43	3248	1.363	ug/l #	1
59) 2-Hexanone	10.991	43	54	Below Cal	#	20
76) 1,2,3-Trichloropropane	12.620	75	139166	55.100	ug/l #	100
81) trans-1,4-Dichloro-2-b...	12.620	75	139166	122.332	ug/l #	17
95) Naphthalene	15.367	128	623	2.557	ug/l #	69

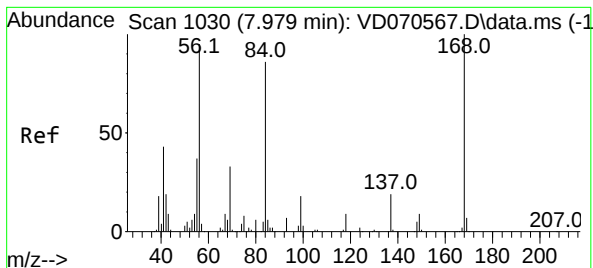
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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Quant Time: Oct 11 02:25:18 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

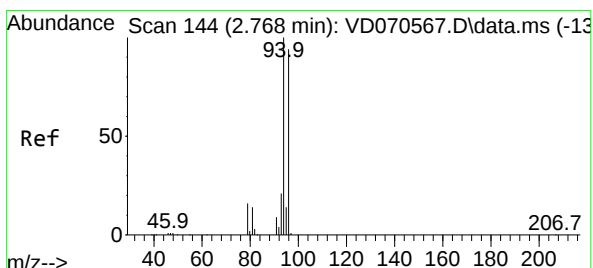
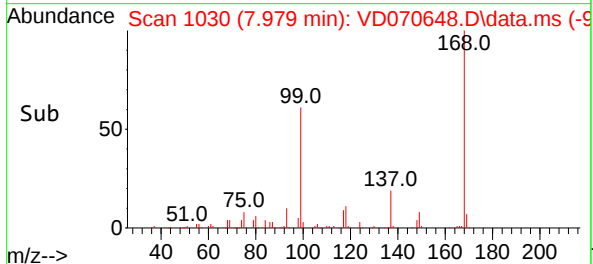
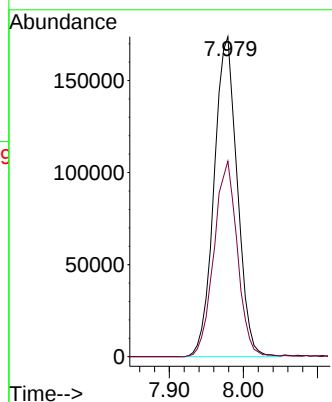
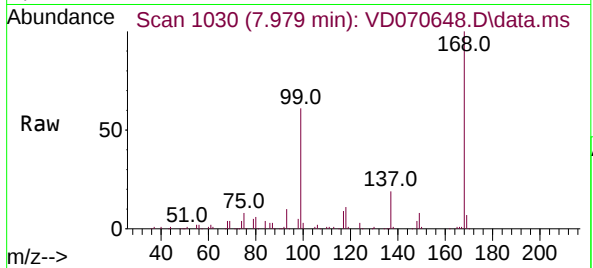




#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 7.979 min Scan# 1030
Delta R.T. -0.000 min
Lab File: VD070648.D
Acq: 08 Oct 2021 19:38

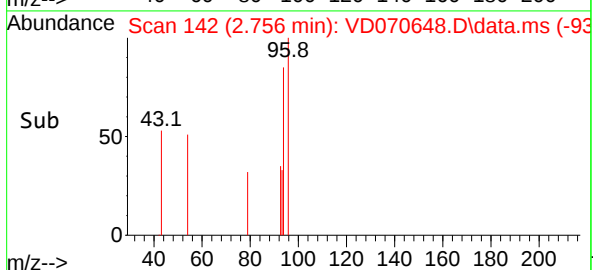
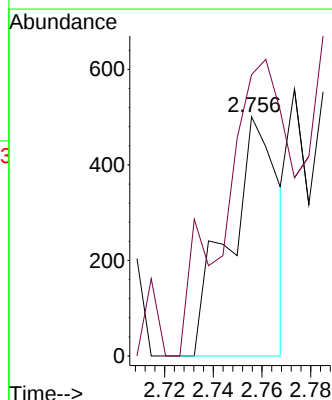
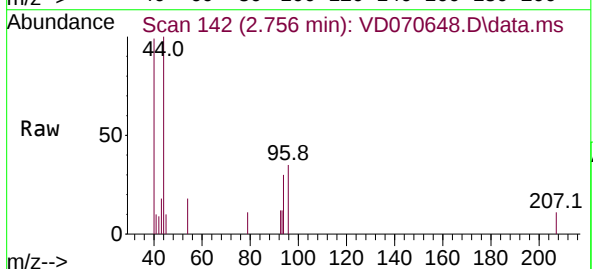
Instrument :
MSVOA_D
ClientSampled :

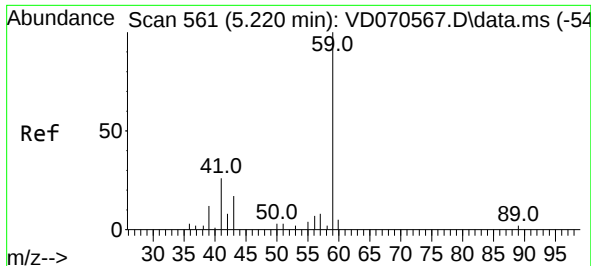
Tgt Ion:168 Resp: 376749
Ion Ratio Lower Upper
168 100
99 61.1 51.4 77.0



#5
Bromomethane
Concen: Below Cal
RT: 2.756 min Scan# 142
Delta R.T. -0.012 min
Lab File: VD070648.D
Acq: 08 Oct 2021 19:38

Tgt Ion: 94 Resp: 698
Ion Ratio Lower Upper
94 100
96 117.6 75.5 113.3#



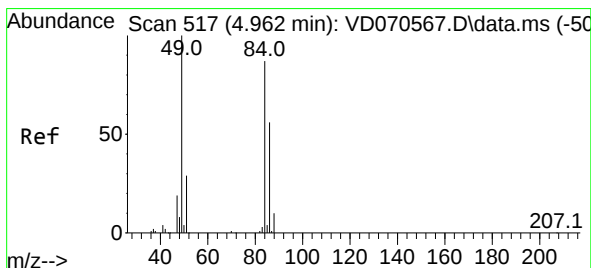
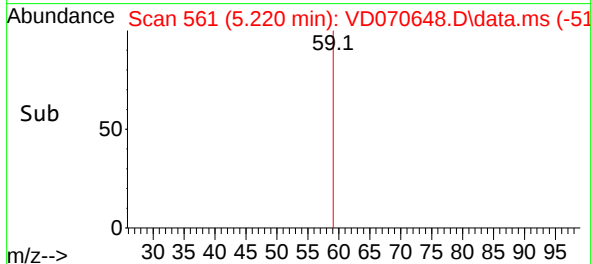
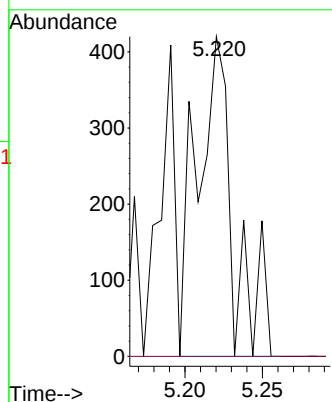
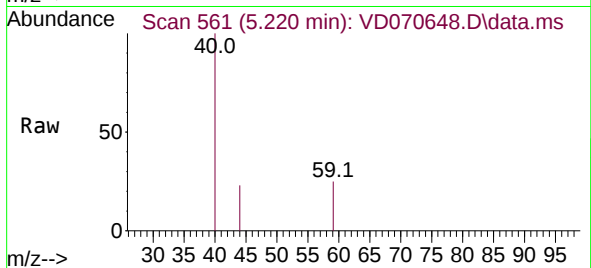


#11

Tert butyl alcohol
Concen: 3.110 ug/l
RT: 5.220 min Scan# 561
Delta R.T. 0.000 min
Lab File: VD070648.D
Acq: 08 Oct 2021 19:38

Instrument :
MSVOA_D
ClientSampled :

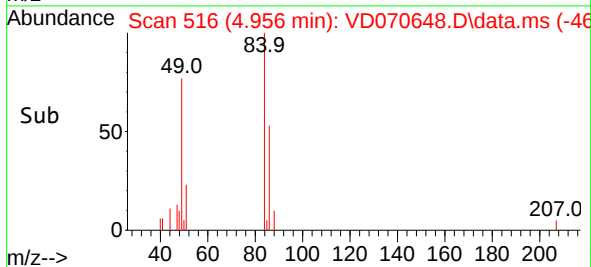
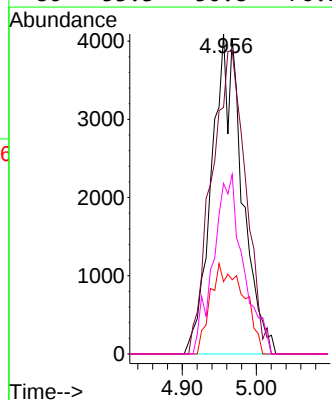
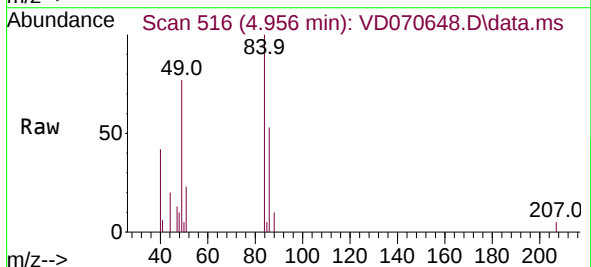
Tgt Ion: 59 Resp: 683
Ion Ratio Lower Upper
59 100
57 0.0 4.5 6.7#

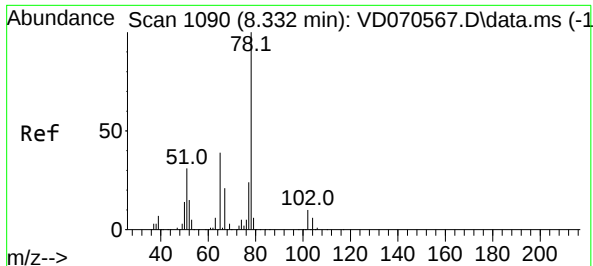


#20

Methylene Chloride
Concen: Below Cal
RT: 4.956 min Scan# 516
Delta R.T. -0.006 min
Lab File: VD070648.D
Acq: 08 Oct 2021 19:38

Tgt Ion: 84 Resp: 11723
Ion Ratio Lower Upper
84 100
49 77.1 91.4 137.2#
51 22.6 26.7 40.1#
86 53.3 50.8 76.2

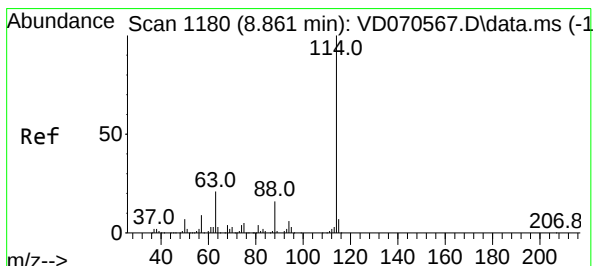
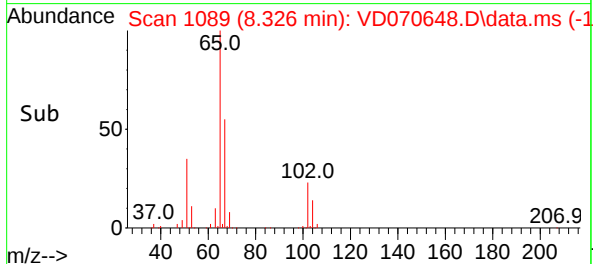
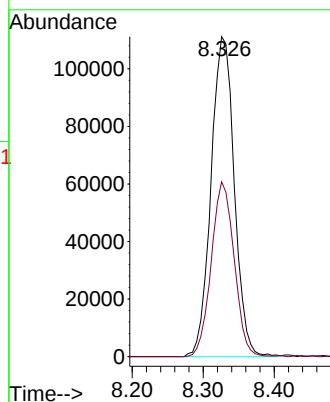
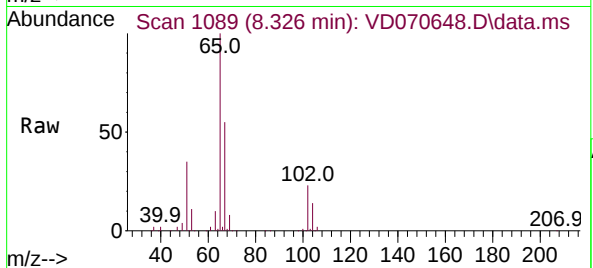




#33
1,2-Dichloroethane-d4
Concen: 57.009 ug/l
RT: 8.326 min Scan# 1089
Delta R.T. -0.006 min
Lab File: VD070648.D
Acq: 08 Oct 2021 19:38

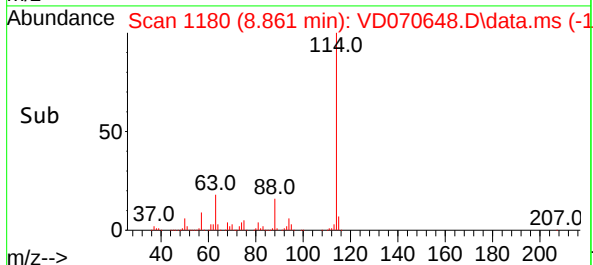
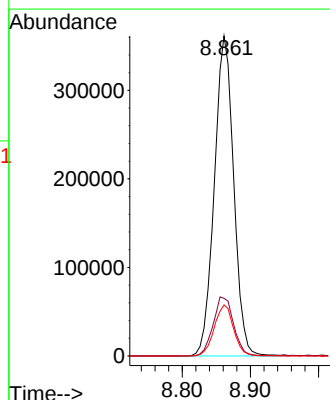
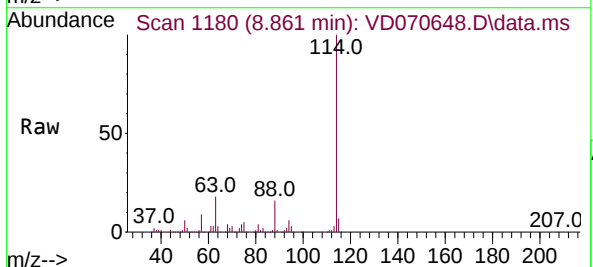
Instrument :
MSVOA_D
ClientSampleId :

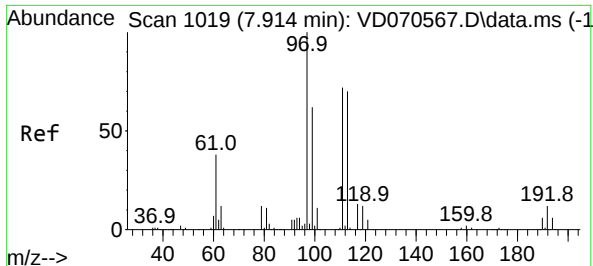
Tgt Ion: 65 Resp: 252768
Ion Ratio Lower Upper
65 100
67 53.8 0.0 110.2



#34
1,4-Difluorobenzene
Concen: 50.000 ug/l
RT: 8.861 min Scan# 1180
Delta R.T. -0.000 min
Lab File: VD070648.D
Acq: 08 Oct 2021 19:38

Tgt Ion: 114 Resp: 714582
Ion Ratio Lower Upper
114 100
63 18.0 0.0 41.8
88 16.0 0.0 32.6





#35

Dibromofluoromethane

Concen: 51.853 ug/l

RT: 7.908 min Scan# 1018

Delta R.T. -0.006 min

Lab File: VD070648.D

Acq: 08 Oct 2021 19:38

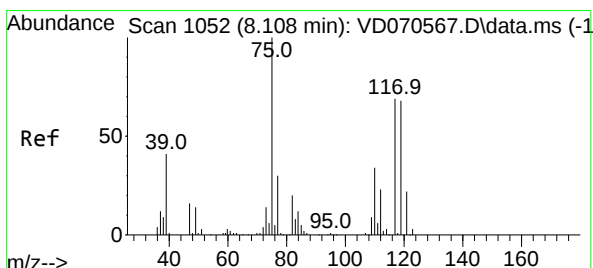
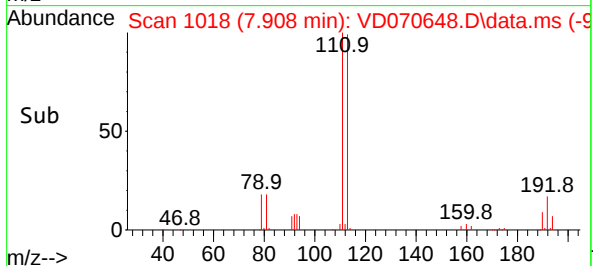
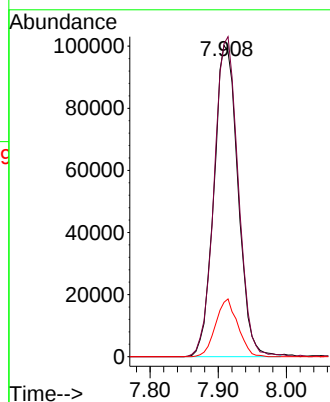
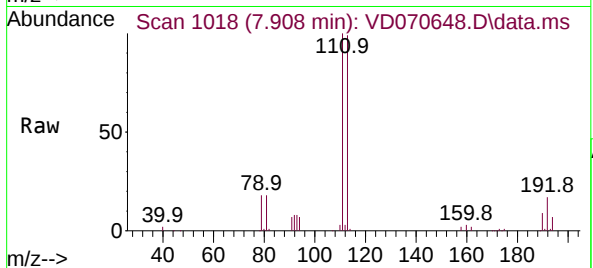
Tgt Ion:113 Resp: 246351

Ion Ratio Lower Upper

113 100

111 102.7 83.1 124.7

192 17.1 12.7 19.1



#36

1,1-Dichloropropene

Concen: 4.189 ug/l

RT: 7.979 min Scan# 1030

Delta R.T. -0.130 min

Lab File: VD070648.D

Acq: 08 Oct 2021 19:38

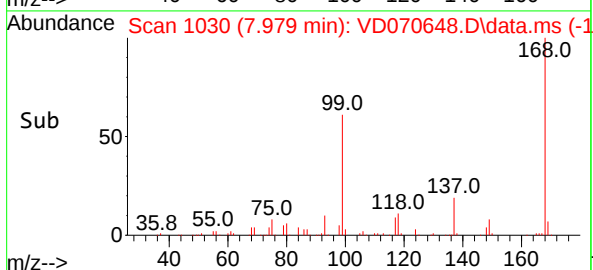
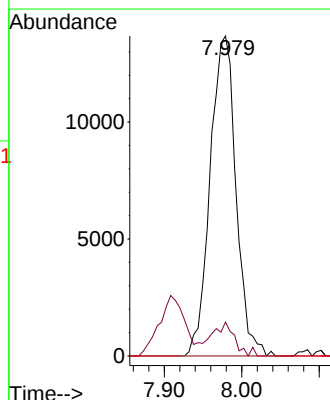
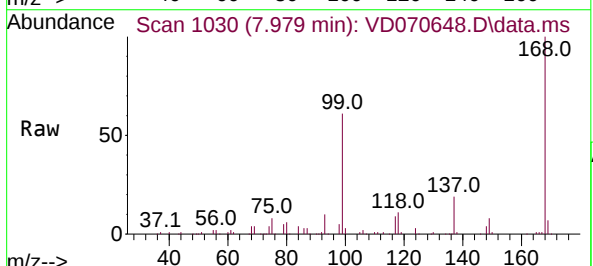
Tgt Ion: 75 Resp: 31788

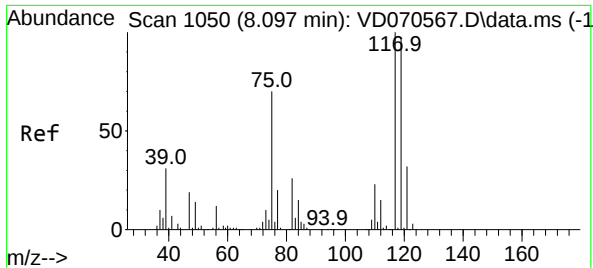
Ion Ratio Lower Upper

75 100

110 8.7 17.2 51.6#

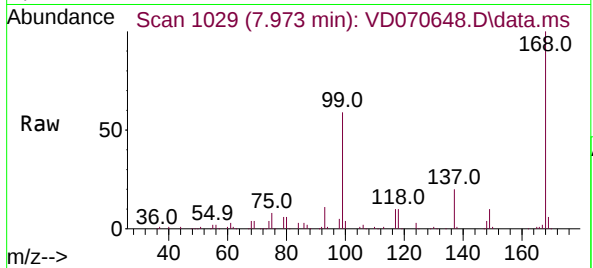
77 0.0 24.2 36.4#



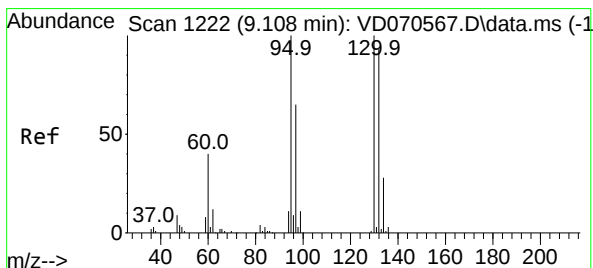
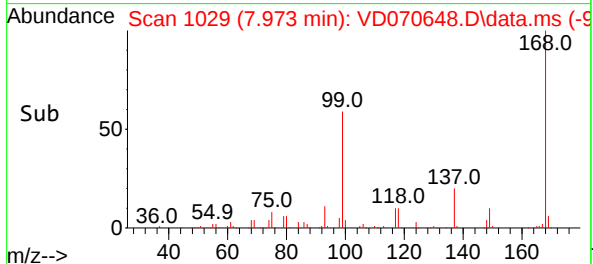
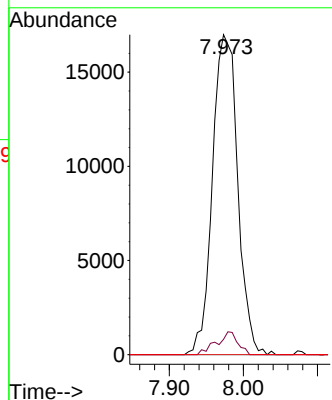


#38
Carbon Tetrachloride
Concen: 5.062 ug/l
RT: 7.973 min Scan# 1029
Delta R.T. -0.124 min
Lab File: VD070648.D
Acq: 08 Oct 2021 19:38

Instrument :
MSVOA_D
ClientSampleId :

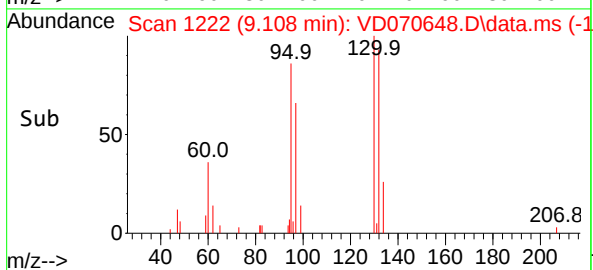
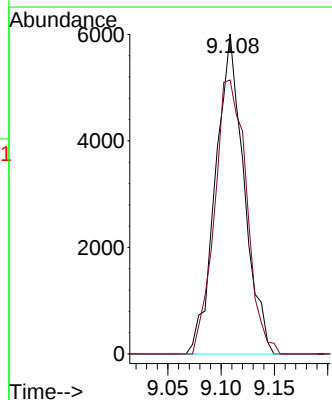
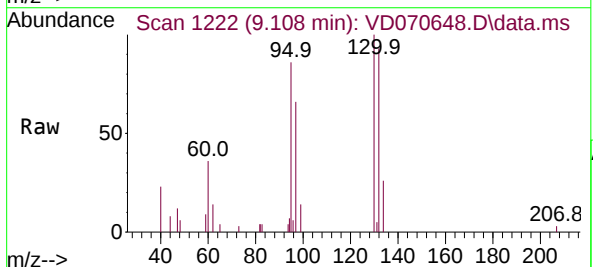


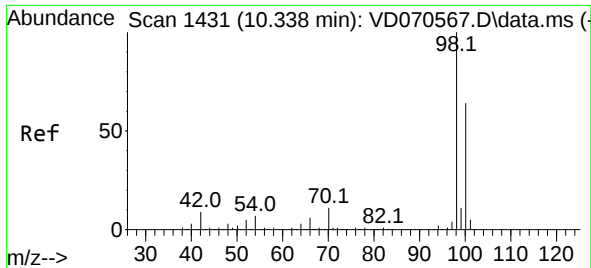
Tgt Ion:117 Resp: 40207
Ion Ratio Lower Upper
117 100
119 4.8 77.4 116.0#
121 0.0 25.4 38.0#



#44
Trichloroethene
Concen: 2.018 ug/l
RT: 9.108 min Scan# 1222
Delta R.T. -0.000 min
Lab File: VD070648.D
Acq: 08 Oct 2021 19:38

Tgt Ion:130 Resp: 11129
Ion Ratio Lower Upper
130 100
95 85.6 0.0 200.8

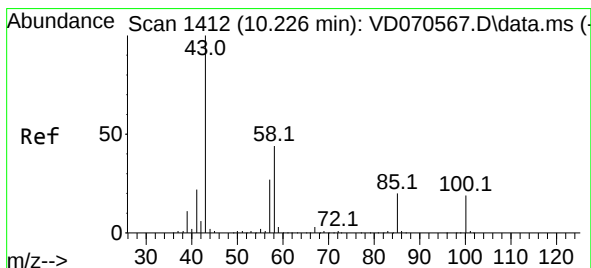
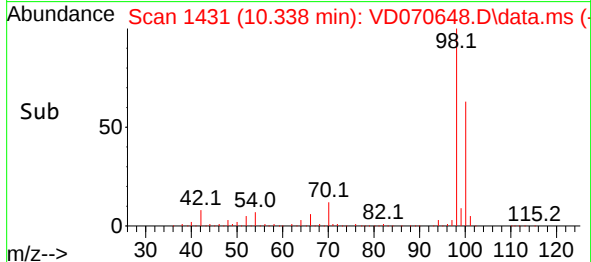
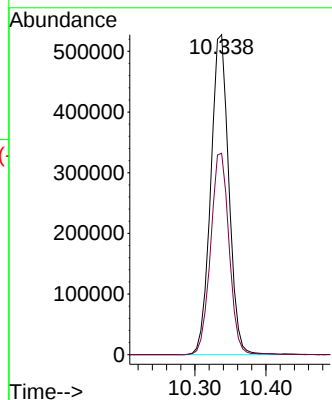
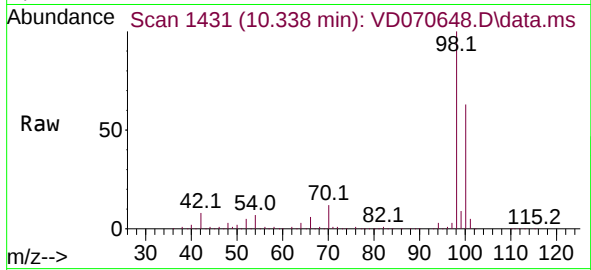




#50
Toluene-d8
Concen: 51.309 ug/l
RT: 10.338 min Scan# 1431
Delta R.T. -0.000 min
Lab File: VD070648.D
Acq: 08 Oct 2021 19:38

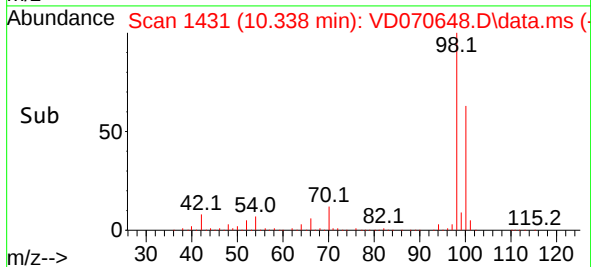
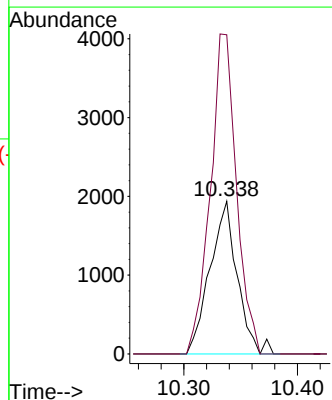
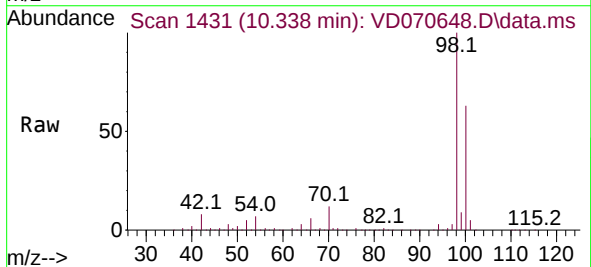
Instrument :
MSVOA_D
ClientSampled :

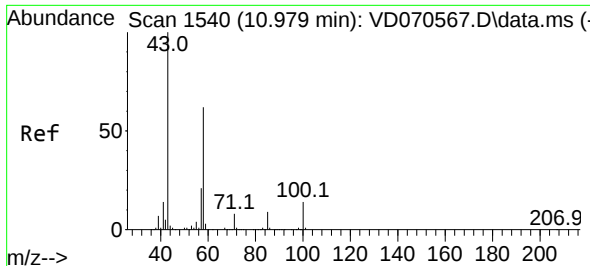
Tgt Ion: 98 Resp: 931878
Ion Ratio Lower Upper
98 100
100 64.4 52.2 78.4



#51
4-Methyl-2-Pentanone
Concen: 1.363 ug/l
RT: 10.338 min Scan# 1431
Delta R.T. 0.112 min
Lab File: VD070648.D
Acq: 08 Oct 2021 19:38

Tgt Ion: 43 Resp: 3248
Ion Ratio Lower Upper
43 100
58 200.6 35.0 52.6#

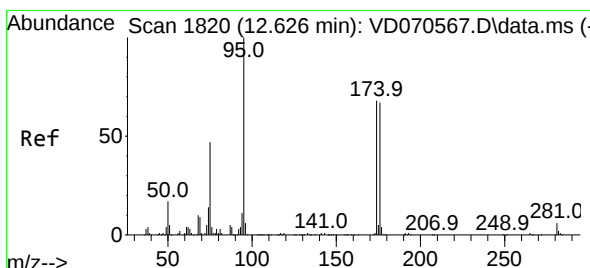
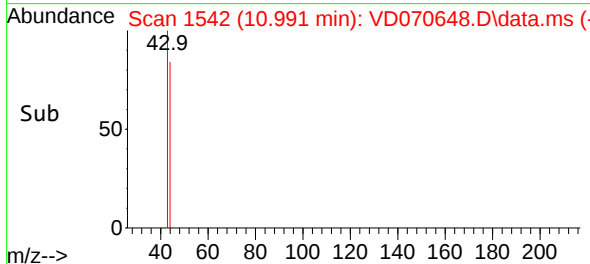
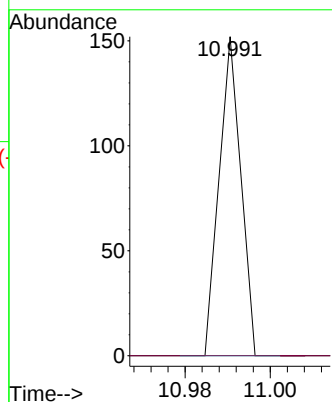
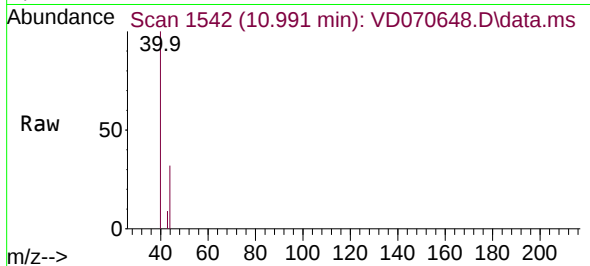




#59
2-Hexanone
Concen: Below Cal
RT: 10.991 min Scan# 1542
Delta R.T. 0.012 min
Lab File: VD070648.D
Acq: 08 Oct 2021 19:38

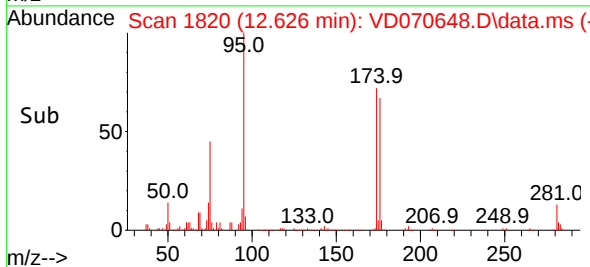
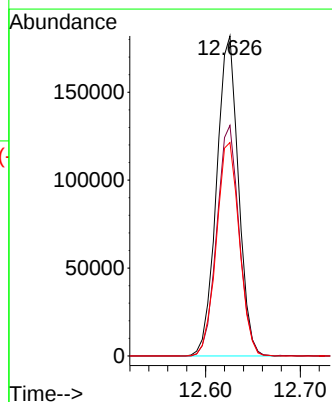
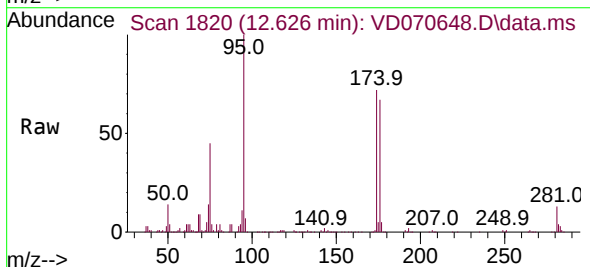
Instrument :
MSVOA_D
ClientSampled :

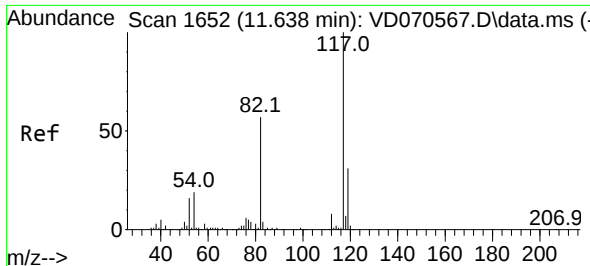
Tgt Ion: 43 Resp: 54
Ion Ratio Lower Upper
43 100
58 0.0 30.4 91.3#



#62
4-Bromofluorobenzene
Concen: 48.201 ug/l
RT: 12.626 min Scan# 1820
Delta R.T. -0.000 min
Lab File: VD070648.D
Acq: 08 Oct 2021 19:38

Tgt Ion: 95 Resp: 292590
Ion Ratio Lower Upper
95 100
174 73.3 0.0 138.0
176 69.7 0.0 135.6

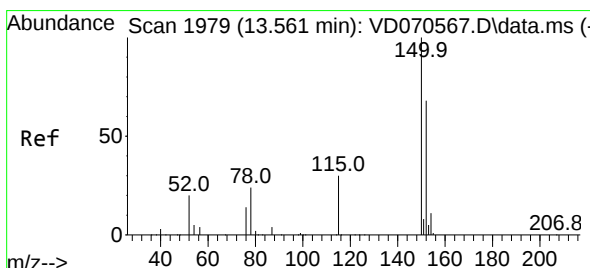
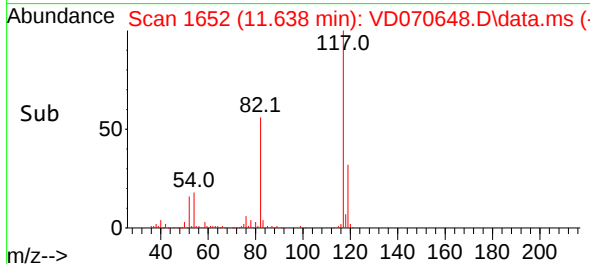
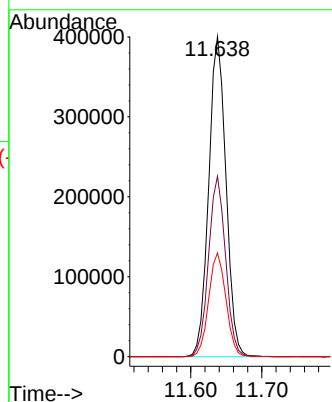
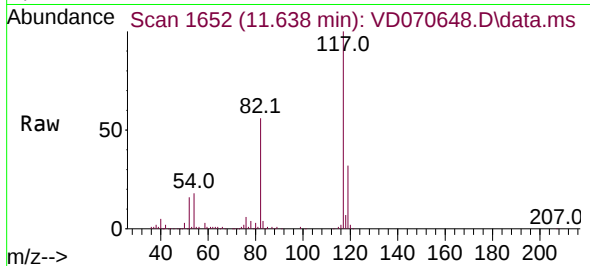




#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.638 min Scan# 1652
Delta R.T. -0.000 min
Lab File: VD070648.D
Acq: 08 Oct 2021 19:38

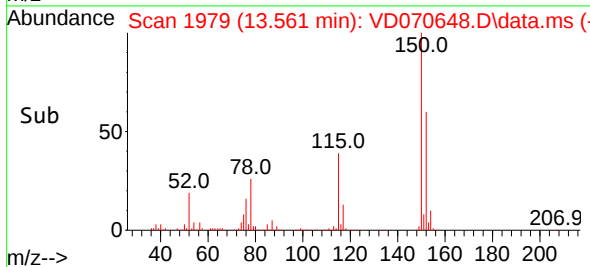
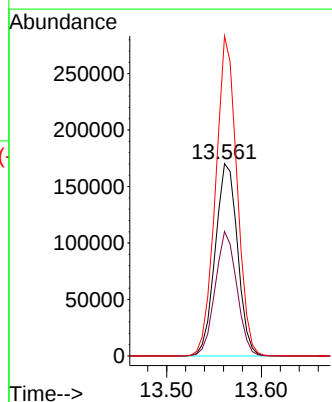
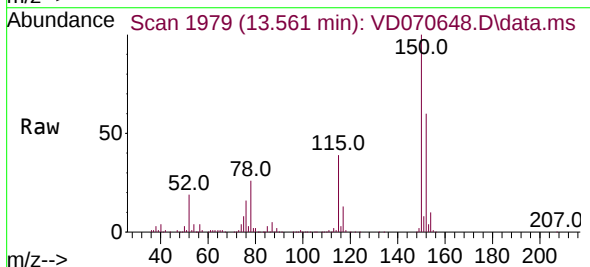
Instrument :
MSVOA_D
ClientSampleId :

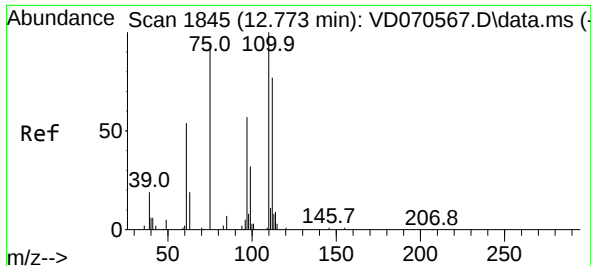
Tgt Ion:117 Resp: 675677
Ion Ratio Lower Upper
117 100
82 56.4 45.4 68.2
119 32.4 24.7 37.1



#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 13.561 min Scan# 1979
Delta R.T. -0.000 min
Lab File: VD070648.D
Acq: 08 Oct 2021 19:38

Tgt Ion:152 Resp: 279049
Ion Ratio Lower Upper
152 100
115 62.8 31.9 95.7
150 159.0 0.0 350.0

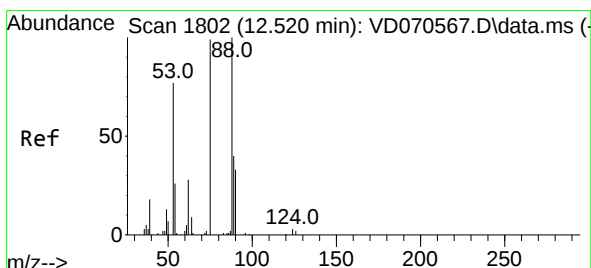
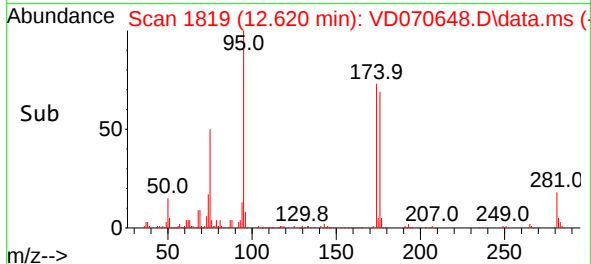
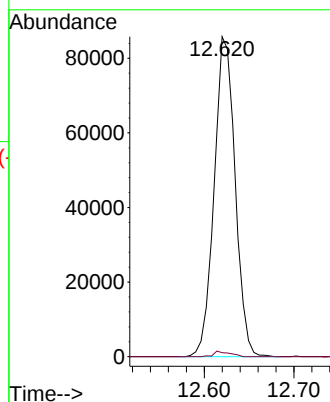
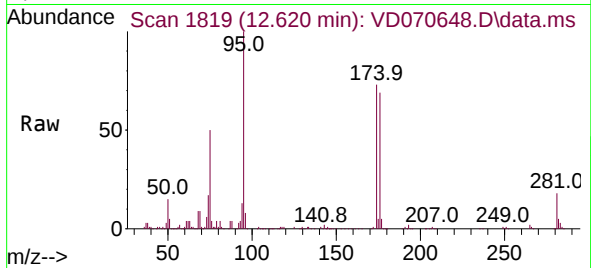




#76
1,2,3-Trichloropropane
Concen: 55.100 ug/l
RT: 12.620 min Scan# 1819
Delta R.T. -0.153 min
Lab File: VD070648.D
Acq: 08 Oct 2021 19:38

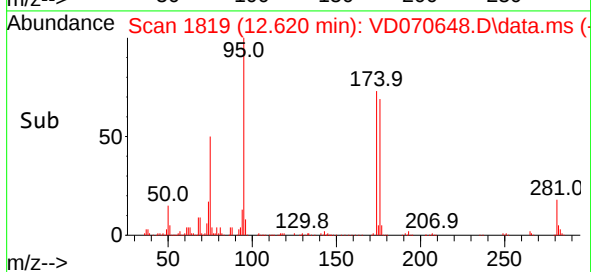
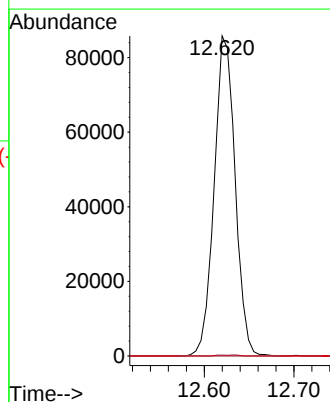
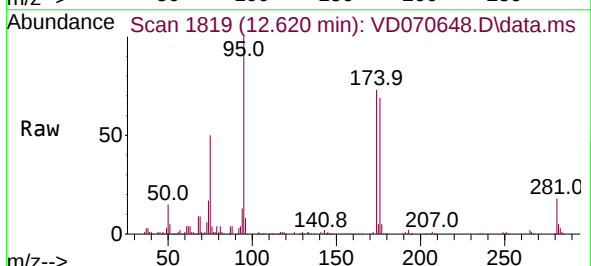
Instrument :
MSVOA_D
ClientSampleId :

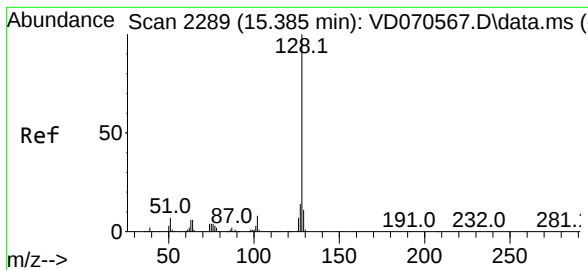
Tgt Ion: 75 Resp: 139166
Ion Ratio Lower Upper
75 100
77 1.3 0.0 0.0#



#81
trans-1,4-Dichloro-2-butene
Concen: 122.332 ug/l
RT: 12.620 min Scan# 1819
Delta R.T. 0.100 min
Lab File: VD070648.D
Acq: 08 Oct 2021 19:38

Tgt Ion: 75 Resp: 139166
Ion Ratio Lower Upper
75 100
53 0.3 64.5 96.7#
89 0.0 35.3 52.9#





#95
Naphthalene
Concen: 2.557 ug/l
RT: 15.367 min Scan# 2286
Delta R.T. -0.018 min
Lab File: VD070648.D
Acq: 08 Oct 2021 19:38

Instrument :
MSVOA_D
ClientSampleId :

Tgt Ion:128 Resp: 623
Ion Ratio Lower Upper
128 100
127 0.0 10.9 16.3#
129 0.0 8.6 12.8#

