

Data Path : Z:\voasrv\HPCHEM1\MSVOA_D\Data\VD081621\
 Data File : VD070072.D
 Acq On : 16 Aug 2021 17:46
 Operator : VA/SY
 Sample : M3368-08RE
 Misc : 5.76G/5.00ml/MSVOA_D/SOIL
 ALS Vial : 13 Sample Multiplier: 1

Instrument :
 MSVOA_D
 ClientSampleId :

Quant Time: Aug 17 03:57:16 2021
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_D\Method\82D081321S.M
 Quant Title : SW846 8260
 QLast Update : Sat Aug 14 02:33:51 2021
 Response via : Initial Calibration

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

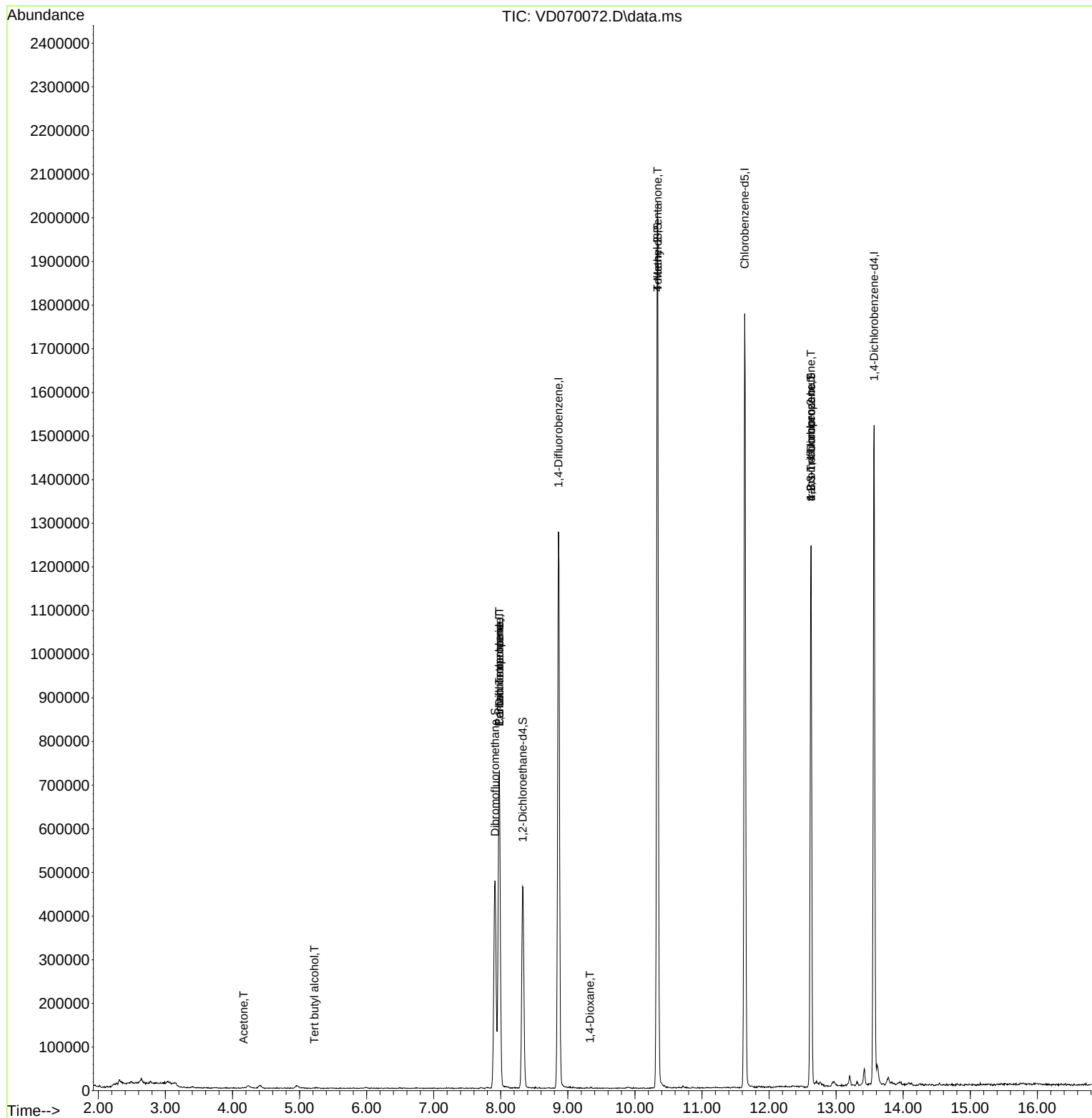
Internal Standards						
1) Pentafluorobenzene	7.979	168	518865	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	8.861	114	1081247	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.638	117	1016205	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.567	152	395752	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.326	65	367006	60.139	ug/l	0.00
Spiked Amount	50.000	Range	50 - 163	Recovery	= 120.280%	
35) Dibromofluoromethane	7.914	113	360719	51.638	ug/l	0.00
Spiked Amount	50.000	Range	54 - 147	Recovery	= 103.280%	
50) Toluene-d8	10.338	98	1392520	51.252	ug/l	0.00
Spiked Amount	50.000	Range	49 - 140	Recovery	= 102.500%	
62) 4-Bromofluorobenzene	12.626	95	433833	48.478	ug/l	0.00
Spiked Amount	50.000	Range	25 - 144	Recovery	= 96.960%	
Target Compounds						
					Qvalue	
2) Dichlorodifluoromethane	1.991	85	416	Below Cal	#	42
3) Chloromethane	2.209	50	1511	Below Cal		93
5) Bromomethane	2.779	94	2436	Below Cal	#	65
11) Tert butyl alcohol	5.220	59	863	2.558	ug/l	98
16) Acetone	4.167	43	2731	2.429	ug/l	# 41
20) Methylene Chloride	4.956	84	4760	Below Cal		93
36) 1,1-Dichloropropene	7.979	75	46009	3.955	ug/l	# 48
38) Carbon Tetrachloride	7.979	117	55822	5.286	ug/l	# 14
49) 1,4-Dioxane	9.332	88	55	1.187	ug/l	# 23
51) 4-Methyl-2-Pentanone	10.338	43	5841	1.424	ug/l	# 1
76) 1,2,3-Trichloropropane	12.626	75	207452	51.689	ug/l	# 1
81) trans-1,4-Dichloro-2-b...	12.626	75	207452	134.165	ug/l	# 18

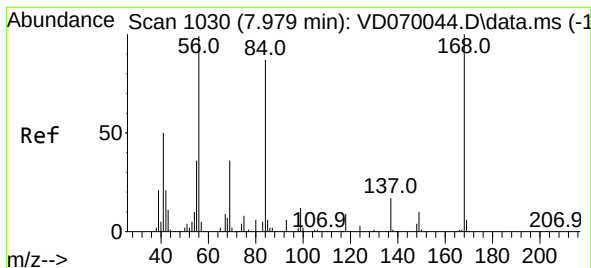
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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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: VD070072.D

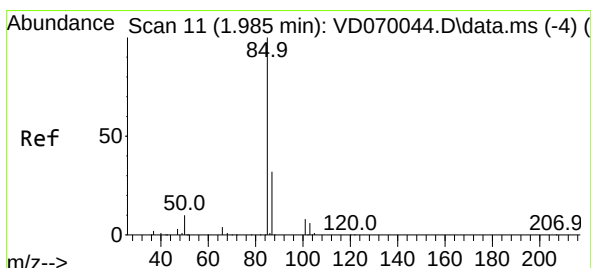
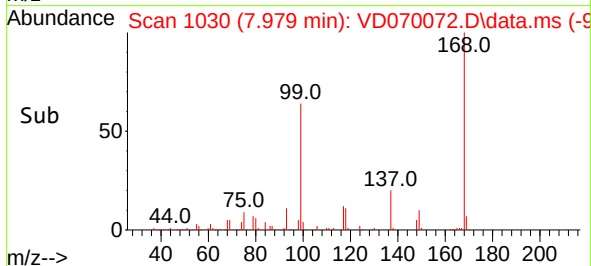
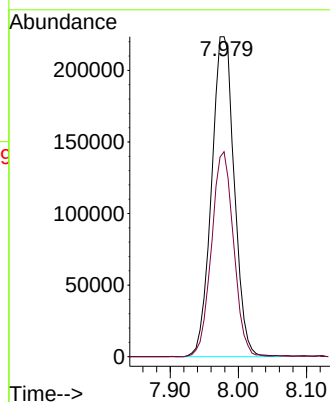
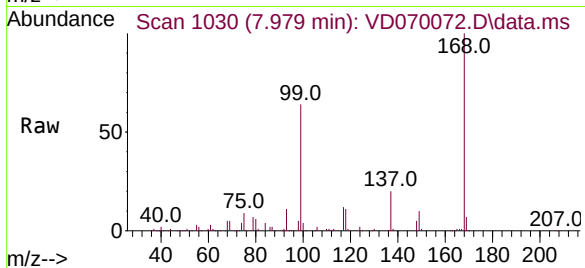
Acq: 16 Aug 2021 17:46

Tgt Ion:168 Resp: 518865

Ion Ratio Lower Upper

168 100

99 64.0 50.3 75.5



#2

Dichlorodifluoromethane

Concen: Below Cal

RT: 1.991 min Scan# 12

Delta R.T. 0.006 min

Lab File: VD070072.D

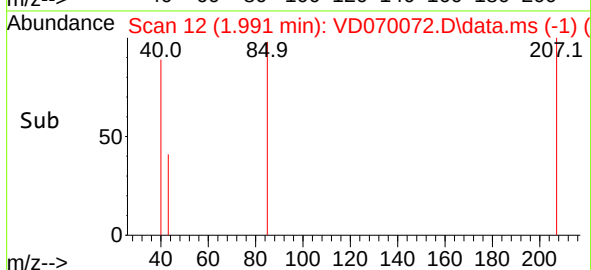
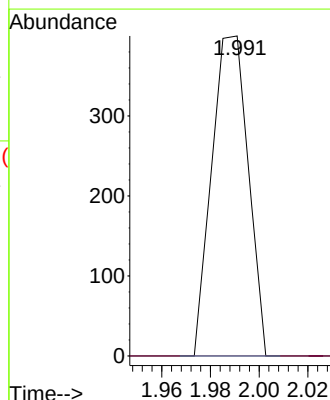
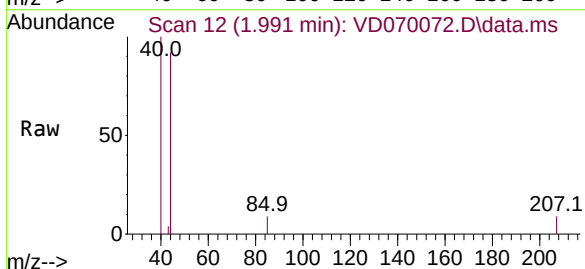
Acq: 16 Aug 2021 17:46

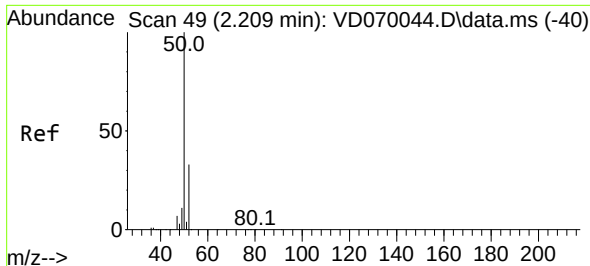
Tgt Ion: 85 Resp: 416

Ion Ratio Lower Upper

85 100

87 0.0 16.2 48.6#

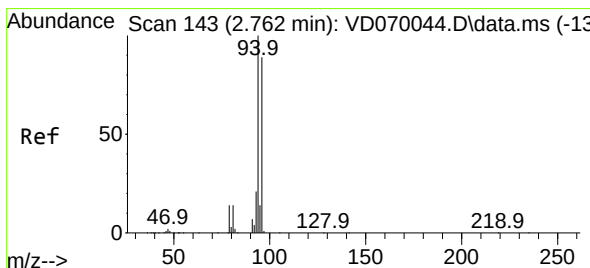
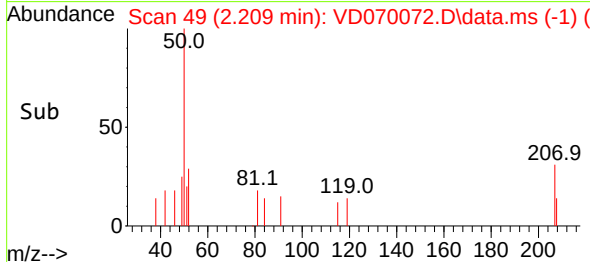
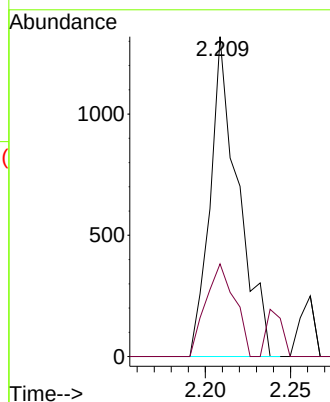
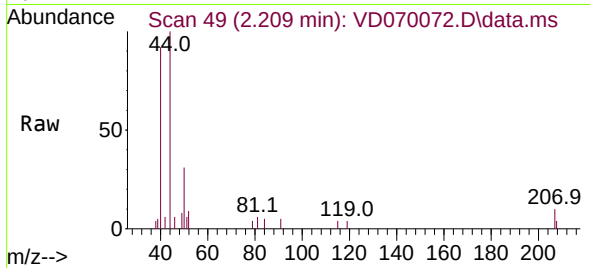




#3
Chloromethane
Concen: Below Cal
RT: 2.209 min Scan# 49
Delta R.T. -0.000 min
Lab File: VD070072.D
Acq: 16 Aug 2021 17:46

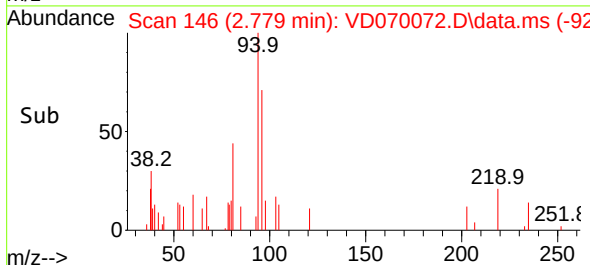
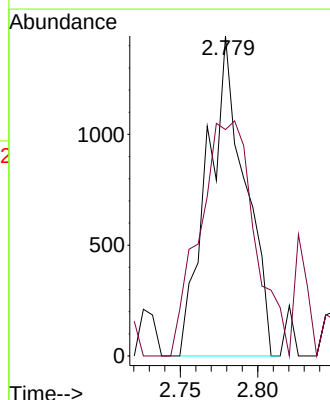
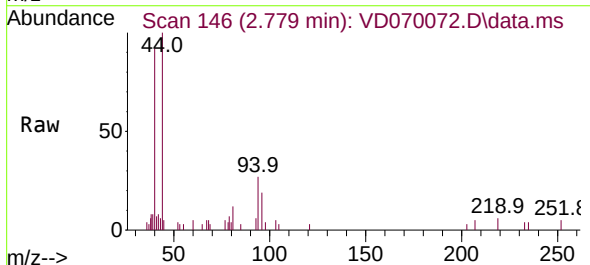
Instrument :
MSVOA_D
ClientSampled :

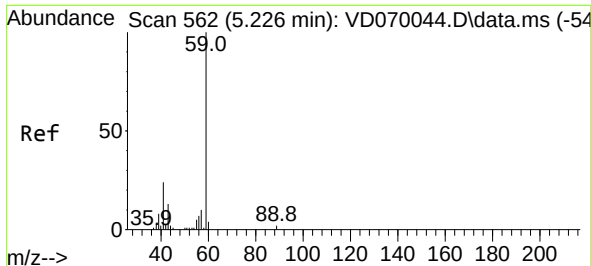
Tgt Ion: 50 Resp: 1511
Ion Ratio Lower Upper
50 100
52 29.0 26.3 39.5



#5
Bromomethane
Concen: Below Cal
RT: 2.779 min Scan# 146
Delta R.T. 0.017 min
Lab File: VD070072.D
Acq: 16 Aug 2021 17:46

Tgt Ion: 94 Resp: 2436
Ion Ratio Lower Upper
94 100
96 56.0 70.9 106.3#

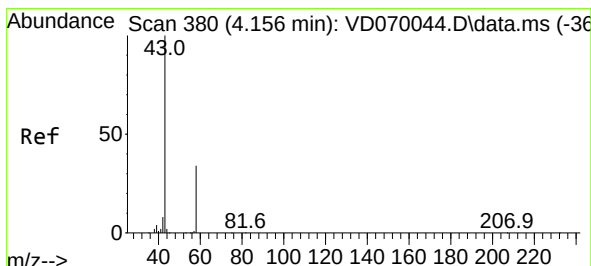
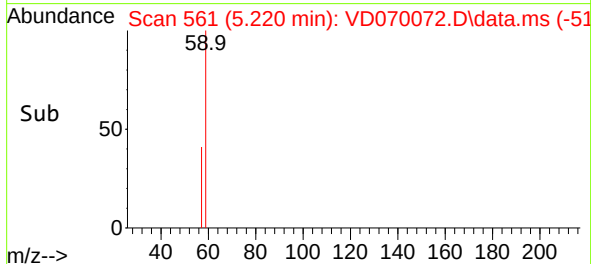
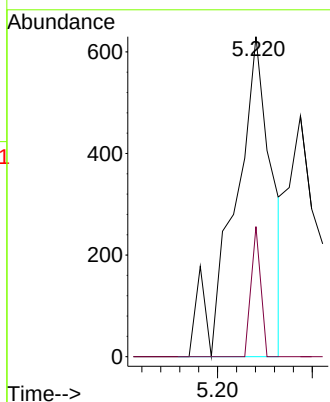
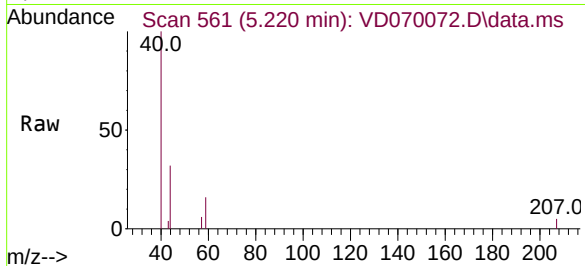




#11
Tert butyl alcohol
Concen: 2.558 ug/l
RT: 5.220 min Scan# 561
Delta R.T. -0.006 min
Lab File: VD070072.D
Acq: 16 Aug 2021 17:46

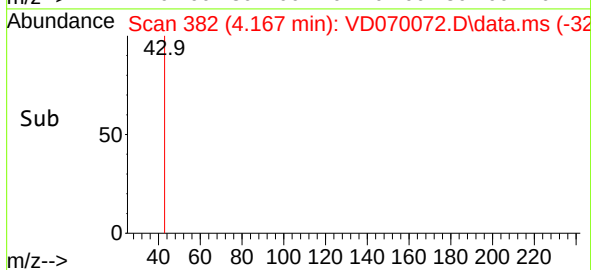
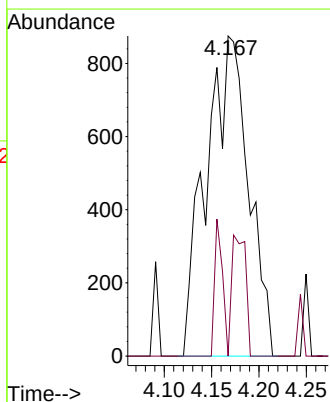
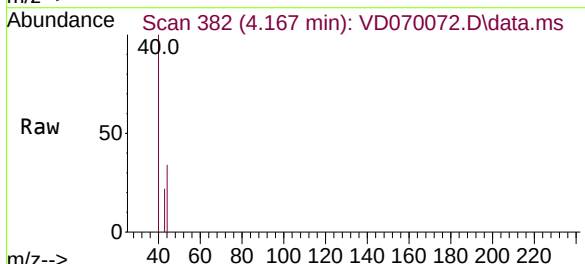
Instrument :
MSVOA_D
ClientSampled :

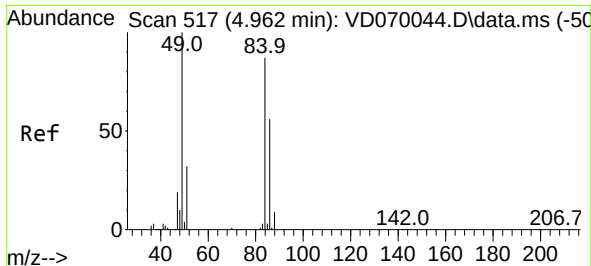
Tgt Ion: 59 Resp: 863
Ion Ratio Lower Upper
59 100
57 10.4 8.8 13.2



#16
Acetone
Concen: 2.429 ug/l
RT: 4.167 min Scan# 382
Delta R.T. 0.012 min
Lab File: VD070072.D
Acq: 16 Aug 2021 17:46

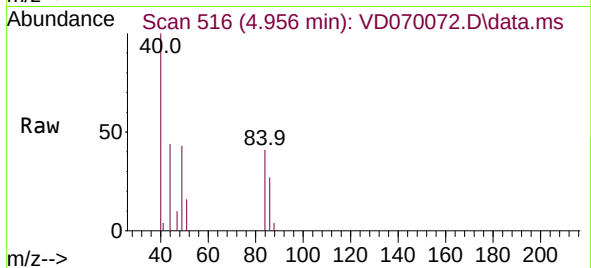
Tgt Ion: 43 Resp: 2731
Ion Ratio Lower Upper
43 100
58 0.0 26.8 40.2#



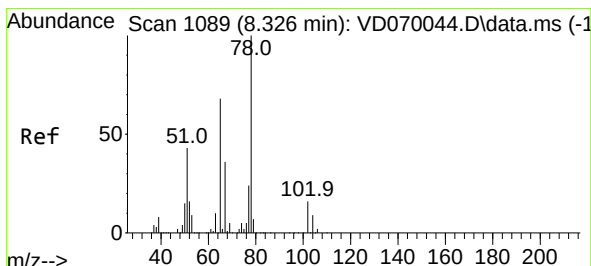
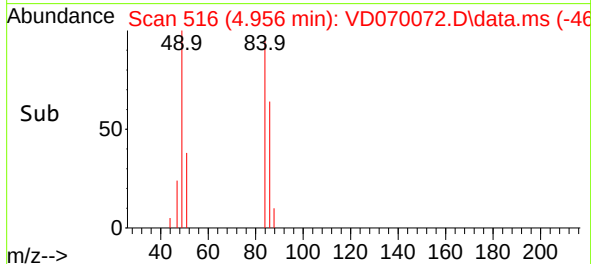
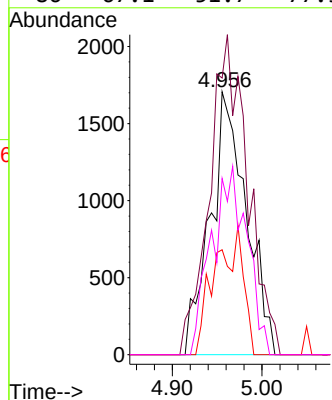


#20
Methylene Chloride
Concen: Below Cal
RT: 4.956 min Scan# 516
Delta R.T. -0.006 min
Lab File: VD070072.D
Acq: 16 Aug 2021 17:46

Instrument :
MSVOA_D
ClientSampleId :

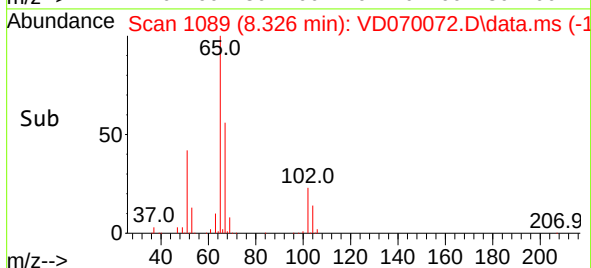
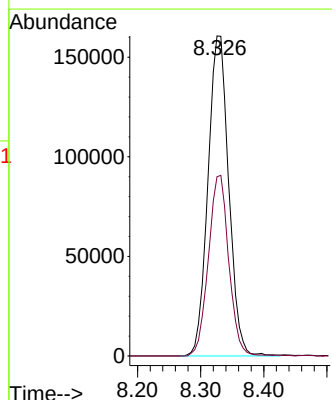
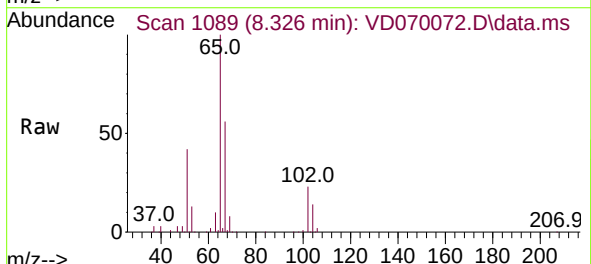


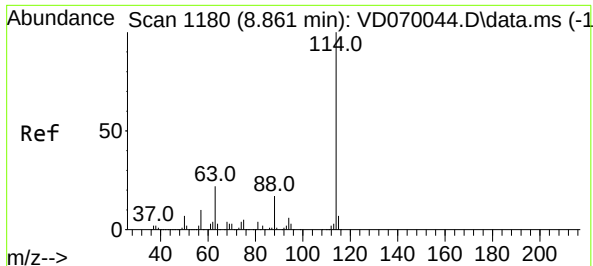
Tgt Ion:	84	Resp:	4760
Ion	Ratio	Lower	Upper
84	100		
49	105.3	92.5	138.7
51	39.9	29.7	44.5
86	67.1	51.7	77.5



#33
1,2-Dichloroethane-d4
Concen: 60.139 ug/l
RT: 8.326 min Scan# 1089
Delta R.T. -0.000 min
Lab File: VD070072.D
Acq: 16 Aug 2021 17:46

Tgt Ion:	65	Resp:	367006
Ion	Ratio	Lower	Upper
65	100		
67	55.3	0.0	107.8





#34

1,4-Difluorobenzene

Concen: 50.000 ug/l

RT: 8.861 min Scan# 1180

Delta R.T. -0.000 min

Lab File: VD070072.D

Acq: 16 Aug 2021 17:46

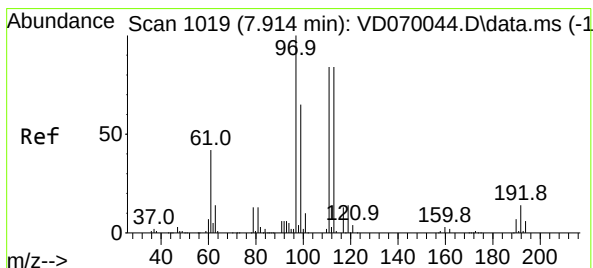
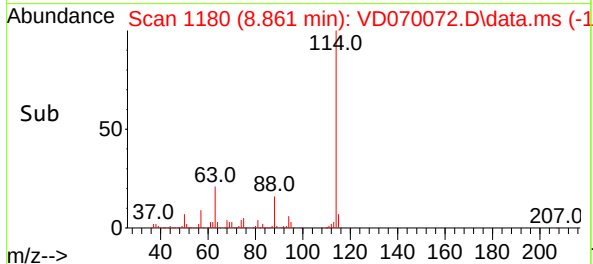
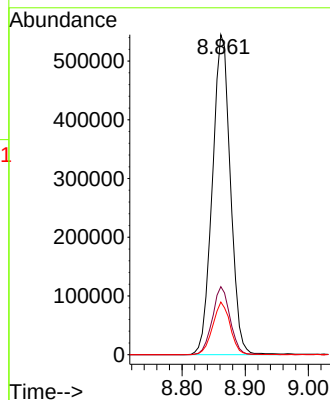
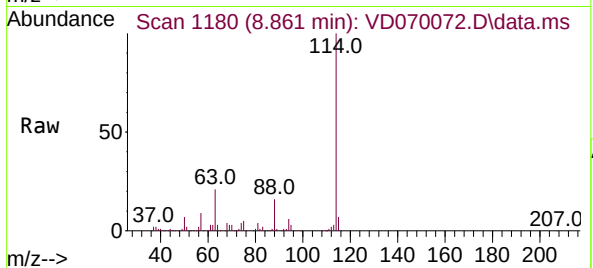
Tgt Ion:114 Resp: 1081247

Ion Ratio Lower Upper

114 100

63 21.3 0.0 43.6

88 16.4 0.0 33.4



#35

Dibromofluoromethane

Concen: 51.638 ug/l

RT: 7.914 min Scan# 1019

Delta R.T. -0.000 min

Lab File: VD070072.D

Acq: 16 Aug 2021 17:46

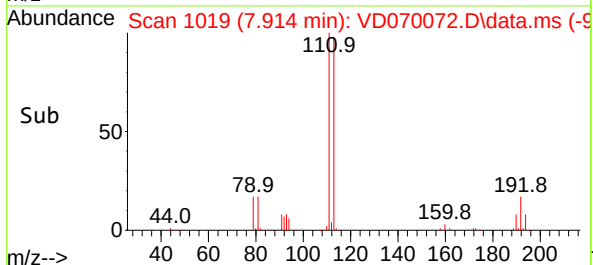
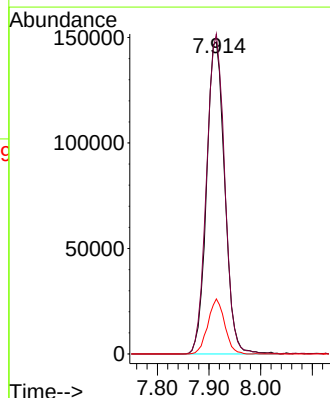
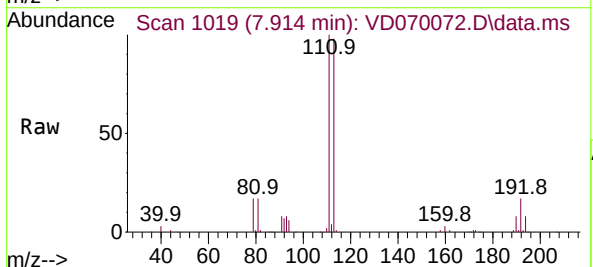
Tgt Ion:113 Resp: 360719

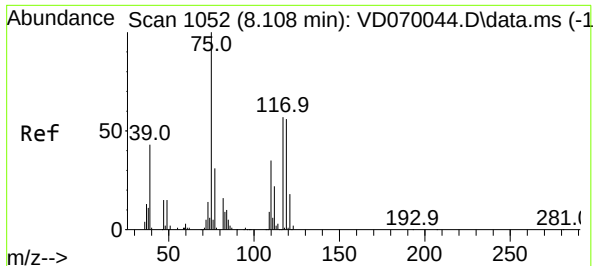
Ion Ratio Lower Upper

113 100

111 102.5 81.8 122.6

192 16.3 13.2 19.8

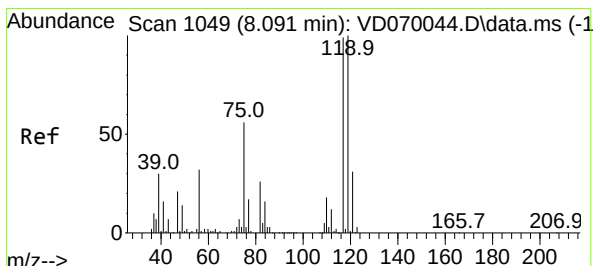
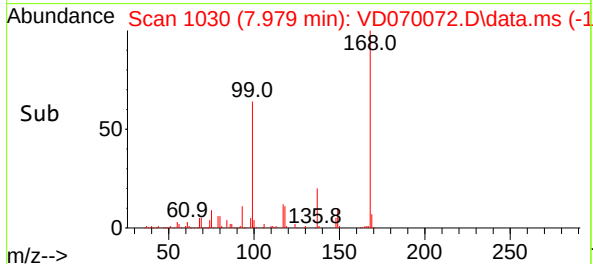
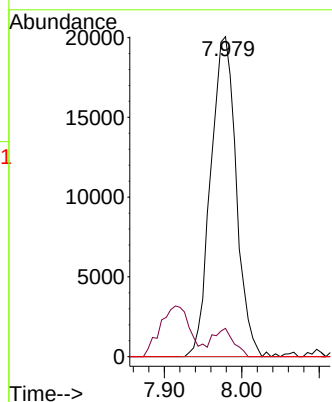
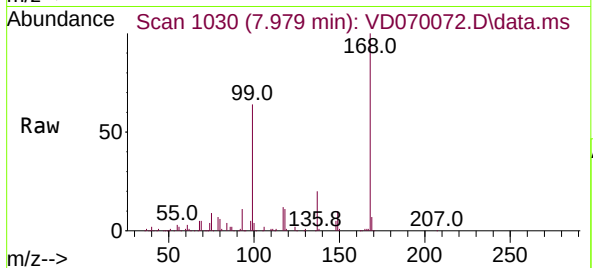




#36
1,1-Dichloropropene
Concen: 3.955 ug/l
RT: 7.979 min Scan# 1030
Delta R.T. -0.130 min
Lab File: VD070072.D
Acq: 16 Aug 2021 17:46

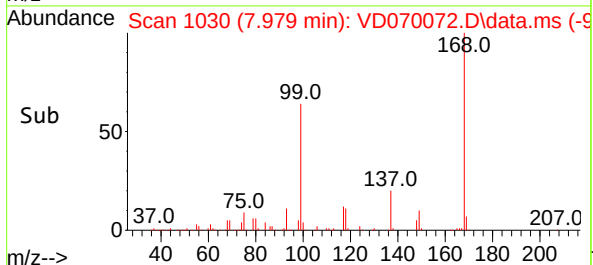
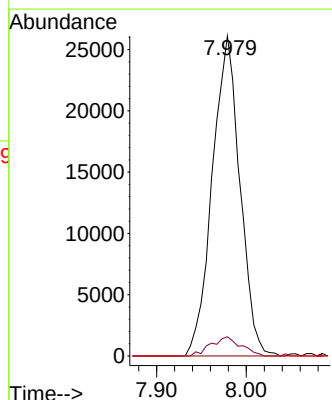
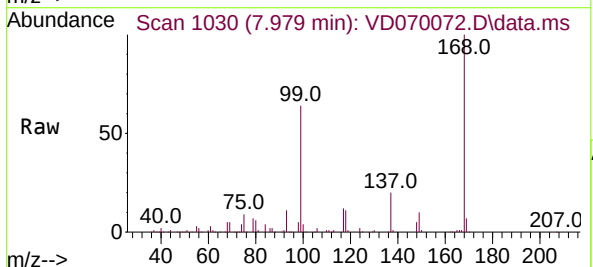
Instrument :
MSVOA_D
ClientSampleId :

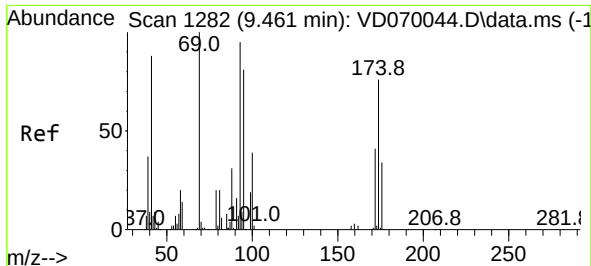
Tgt Ion: 75 Resp: 46009
Ion Ratio Lower Upper
75 100
110 7.0 16.9 50.7#
77 0.0 25.2 37.8#



#38
Carbon Tetrachloride
Concen: 5.286 ug/l
RT: 7.979 min Scan# 1030
Delta R.T. -0.112 min
Lab File: VD070072.D
Acq: 16 Aug 2021 17:46

Tgt Ion: 117 Resp: 55822
Ion Ratio Lower Upper
117 100
119 6.0 81.0 121.6#
121 0.0 25.0 37.6#

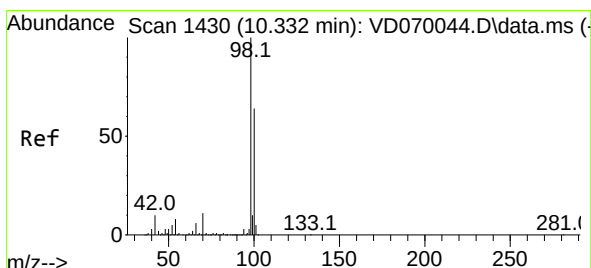
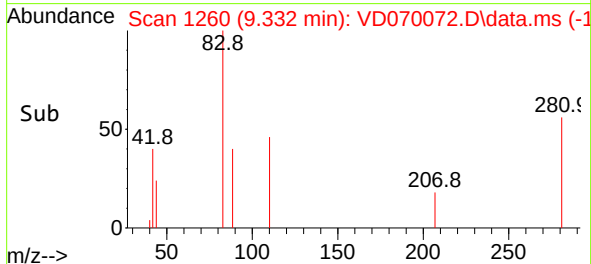
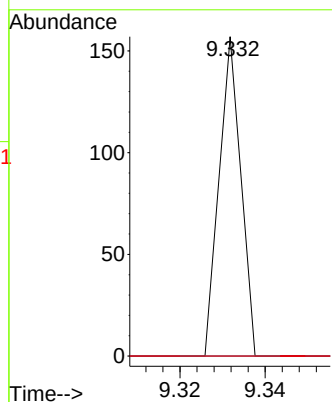
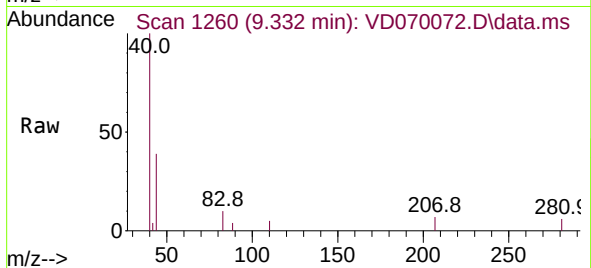




#49
1,4-Dioxane
Concen: 1.187 ug/l
RT: 9.332 min Scan# 1260
Delta R.T. -0.130 min
Lab File: VD070072.D
Acq: 16 Aug 2021 17:46

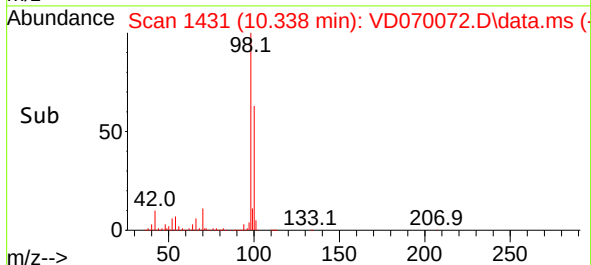
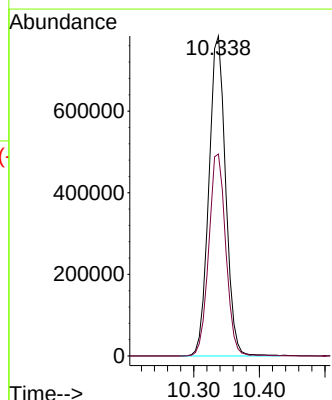
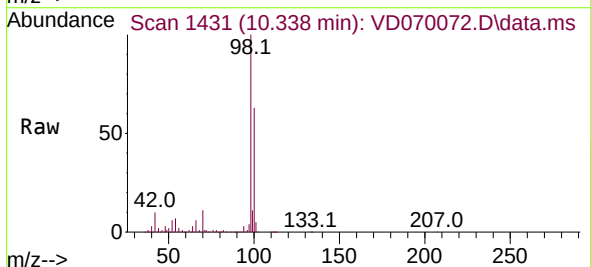
Instrument :
MSVOA_D
ClientSampleId :

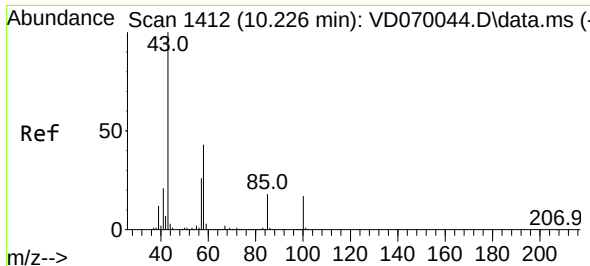
Tgt Ion: 88 Resp: 55
Ion Ratio Lower Upper
88 100
43 0.0 25.8 38.6#
58 0.0 57.4 86.2#



#50
Toluene-d8
Concen: 51.252 ug/l
RT: 10.338 min Scan# 1431
Delta R.T. 0.006 min
Lab File: VD070072.D
Acq: 16 Aug 2021 17:46

Tgt Ion: 98 Resp: 1392520
Ion Ratio Lower Upper
98 100
100 64.2 52.6 78.8

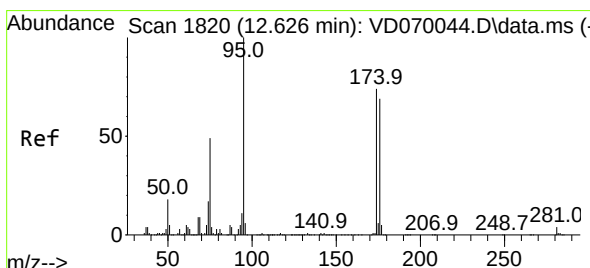
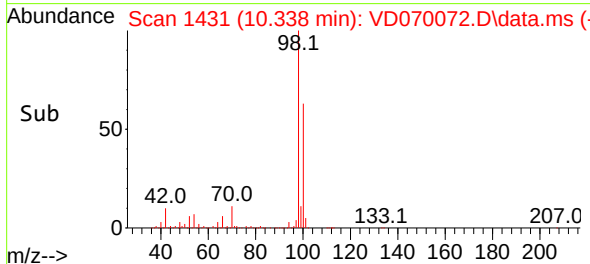
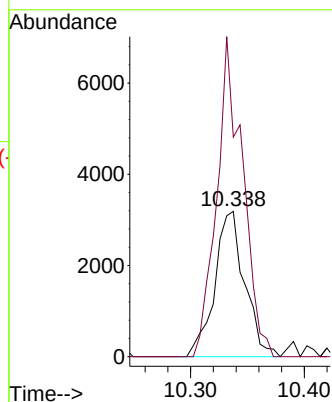
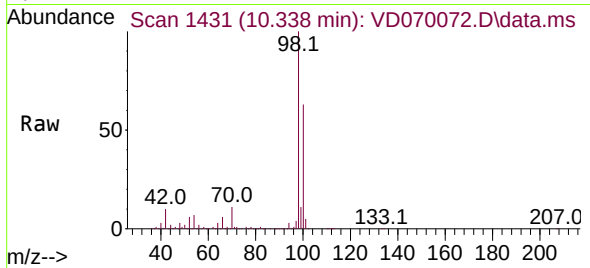




#51
4-Methyl-2-Pentanone
Concen: 1.424 ug/l
RT: 10.338 min Scan# 1431
Delta R.T. 0.112 min
Lab File: VD070072.D
Acq: 16 Aug 2021 17:46

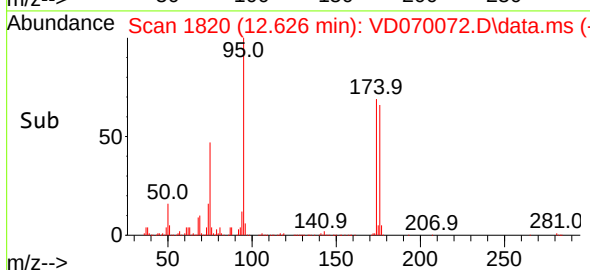
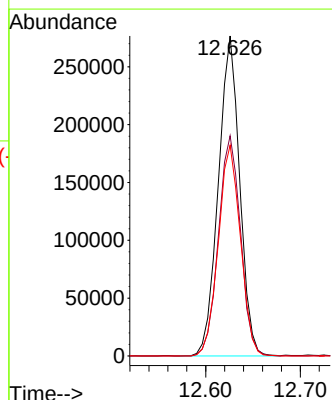
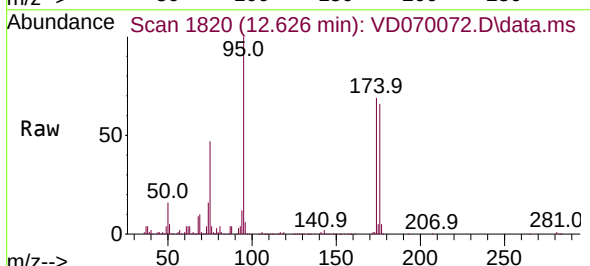
Instrument :
MSVOA_D
ClientSampled :

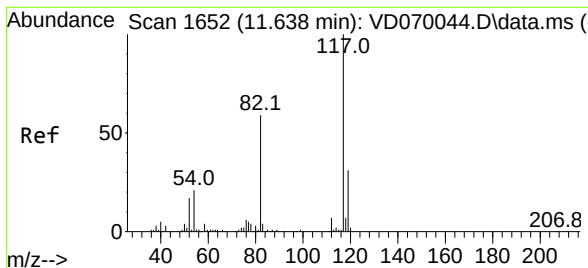
Tgt Ion: 43 Resp: 5841
Ion Ratio Lower Upper
43 100
58 191.1 33.9 50.9#



#62
4-Bromofluorobenzene
Concen: 48.478 ug/l
RT: 12.626 min Scan# 1820
Delta R.T. -0.000 min
Lab File: VD070072.D
Acq: 16 Aug 2021 17:46

Tgt Ion: 95 Resp: 433833
Ion Ratio Lower Upper
95 100
174 70.8 0.0 141.6
176 68.0 0.0 138.2

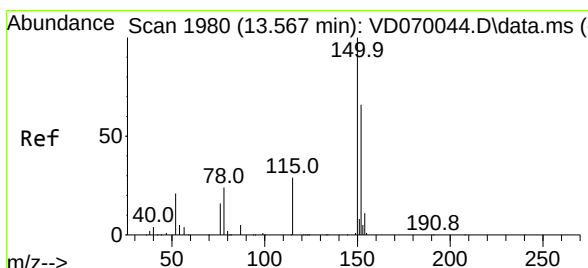
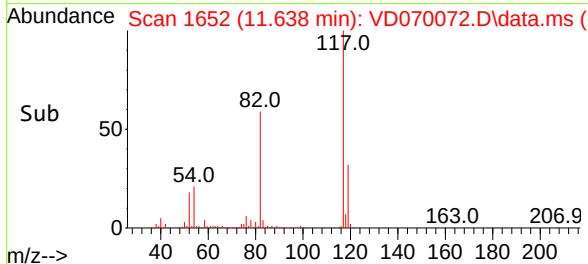
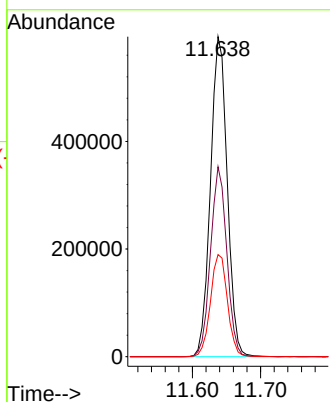
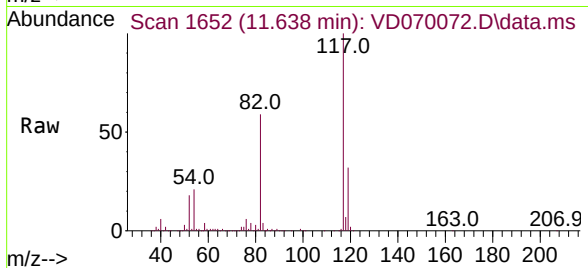




#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.638 min Scan# 1652
Delta R.T. -0.000 min
Lab File: VD070072.D
Acq: 16 Aug 2021 17:46

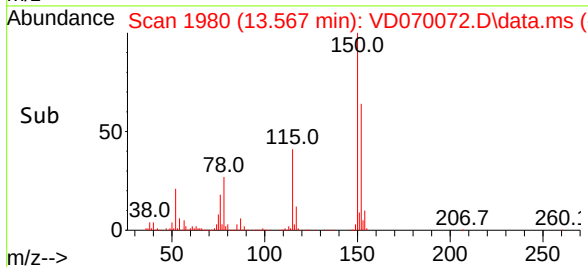
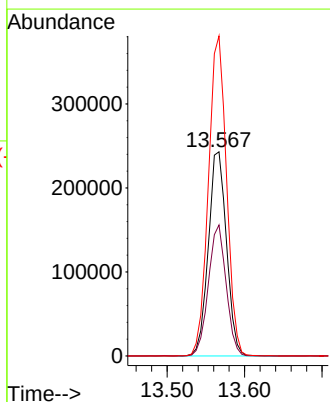
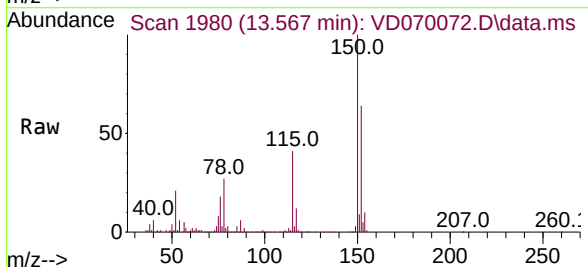
Instrument :
MSVOA_D
ClientSampleId :

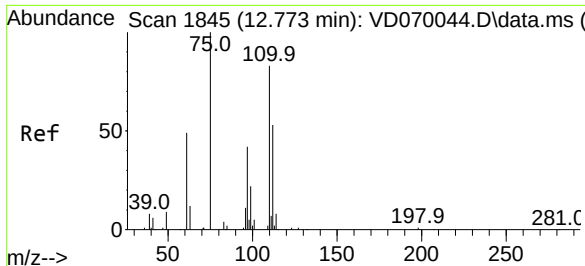
Tgt Ion:117 Resp: 1016205
Ion Ratio Lower Upper
117 100
82 59.3 47.5 71.3
119 31.9 25.1 37.7



#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 13.567 min Scan# 1980
Delta R.T. -0.000 min
Lab File: VD070072.D
Acq: 16 Aug 2021 17:46

Tgt Ion:152 Resp: 395752
Ion Ratio Lower Upper
152 100
115 62.7 31.2 93.6
150 155.8 0.0 352.0

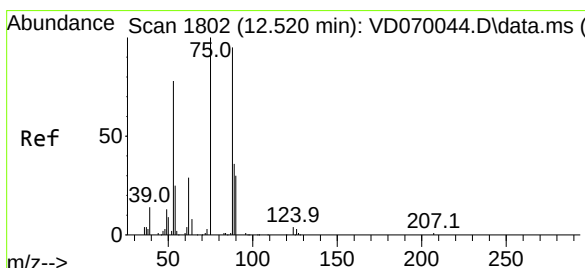
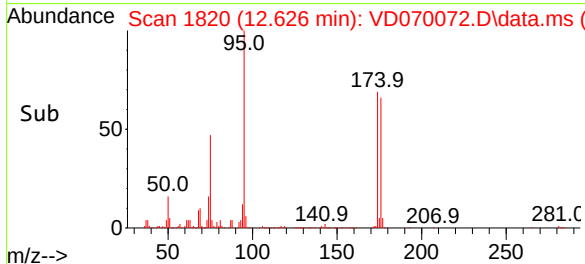
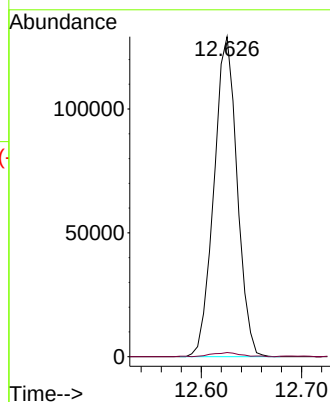
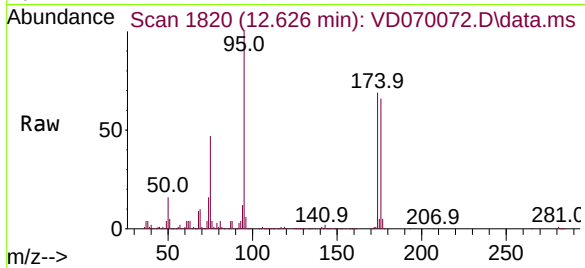




#76
1,2,3-Trichloropropane
Concen: 51.689 ug/l
RT: 12.626 min Scan# 1820
Delta R.T. -0.147 min
Lab File: VD070072.D
Acq: 16 Aug 2021 17:46

Instrument :
MSVOA_D
ClientSampleId :

Tgt Ion: 75 Resp: 207452
Ion Ratio Lower Upper
75 100
77 1.6 182.4 547.2#



#81
trans-1,4-Dichloro-2-butene
Concen: 134.165 ug/l
RT: 12.626 min Scan# 1820
Delta R.T. 0.106 min
Lab File: VD070072.D
Acq: 16 Aug 2021 17:46

Tgt Ion: 75 Resp: 207452
Ion Ratio Lower Upper
75 100
53 0.5 64.5 96.7#
89 0.1 33.7 50.5#

