

Data Path : Z:\voasrv\HPCHEM1\MSVOA_D\Data\VD072921\
 Data File : VD069916.D
 Acq On : 29 Jul 2021 17:26
 Operator : VA/SY
 Sample : M3210-05RE
 Misc : 5.07G/5.00ml/MSVOA_D/SOIL
 ALS Vial : 16 Sample Multiplier: 1

Instrument :
 MSVOA_D
 ClientSampleId :

Quant Time: Jul 30 00:57:18 2021
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_D\Method\82D072221S.M
 Quant Title : SW846 8260
 QLast Update : Fri Jul 23 04:51:13 2021
 Response via : Initial Calibration

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

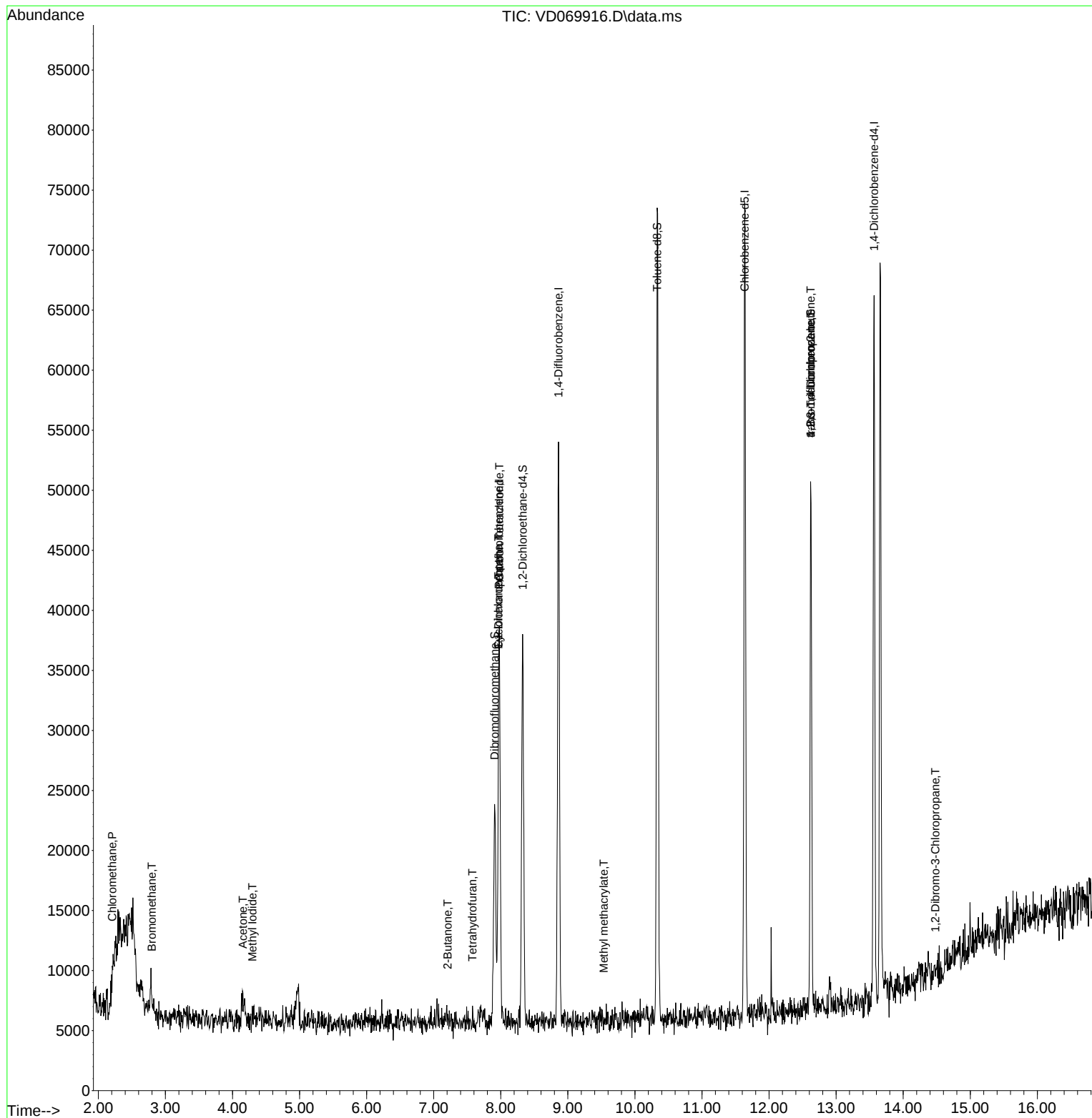
Internal Standards						
1) Pentafluorobenzene	7.973	168	23734	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	8.861	114	39096	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.638	117	40925	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.567	152	17579	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.326	65	23681	86.756	ug/l	0.00
Spiked Amount 50.000	Range 50 - 163		Recovery = 173.520%#			
35) Dibromofluoromethane	7.908	113	14042	56.975	ug/l	0.00
Spiked Amount 50.000	Range 54 - 147		Recovery = 113.940%			
50) Toluene-d8	10.332	98	49590	52.181	ug/l	0.00
Spiked Amount 50.000	Range 49 - 140		Recovery = 104.360%			
62) 4-Bromofluorobenzene	12.620	95	14697	46.274	ug/l	0.00
Spiked Amount 50.000	Range 25 - 144		Recovery = 92.540%			
Target Compounds						Qvalue
3) Chloromethane	2.209	50	690	1.904	ug/l #	6
5) Bromomethane	2.797	94	1305	4.046	ug/l #	50
10) Methyl Iodide	4.297	142	253	4.261	ug/l #	76
16) Acetone	4.156	43	4624	93.775	ug/l	100
20) Methylene Chloride	4.967	84	1922	Below Cal	#	56
25) 2-Butanone	7.208	43	142	2.124	ug/l #	46
29) Tetrahydrofuran	7.579	42	99	2.288	ug/l #	32
31) Cyclohexane	7.967	56	536	1.005	ug/l #	18
36) 1,1-Dichloropropene	7.967	75	2239	5.307	ug/l #	44
38) Carbon Tetrachloride	7.979	117	2620	6.798	ug/l #	12
48) Methyl methacrylate	9.538	41	55	3.101	ug/l #	13
76) 1,2,3-Trichloropropane	12.620	75	7440	39.818	ug/l #	1
81) trans-1,4-Dichloro-2-b...	12.620	75	7440	120.796	ug/l #	16
92) 1,2-Dibromo-3-Chloropr...	14.479	75	57	1.569	ug/l #	7

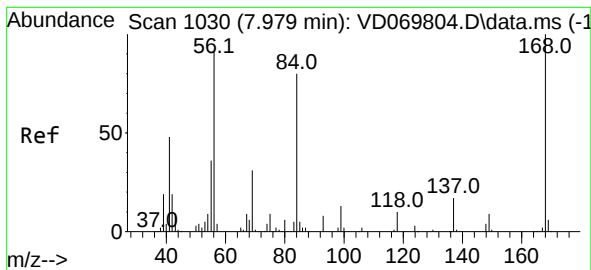
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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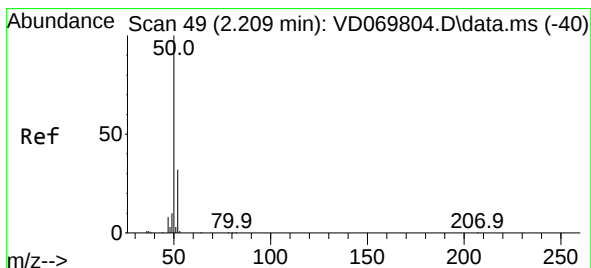
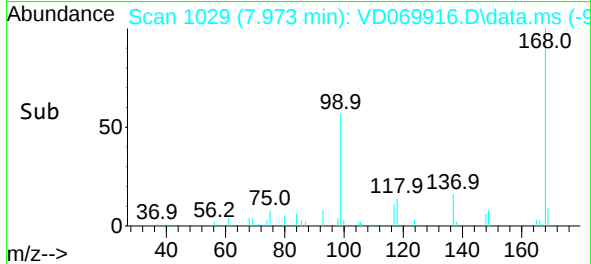
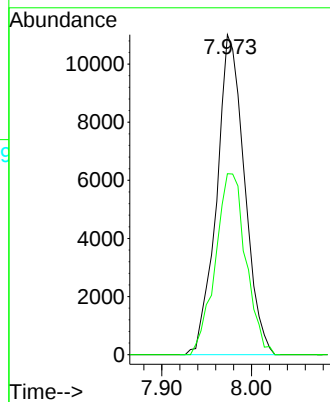
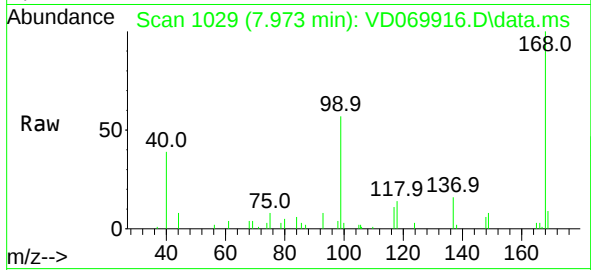




#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 7.973 min Scan# 1029
Delta R.T. -0.006 min
Lab File: VD069916.D
Acq: 29 Jul 2021 17:26

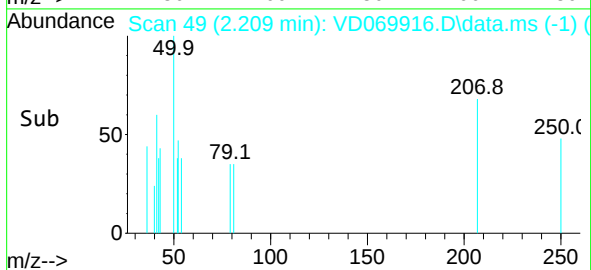
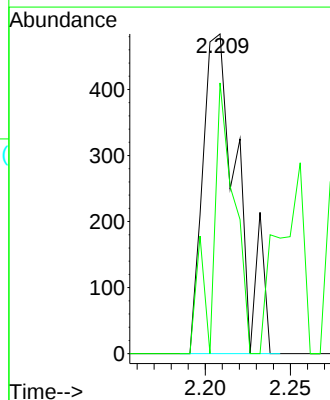
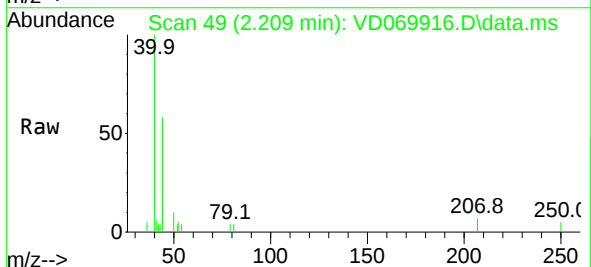
Instrument :
MSVOA_D
ClientSampleId :

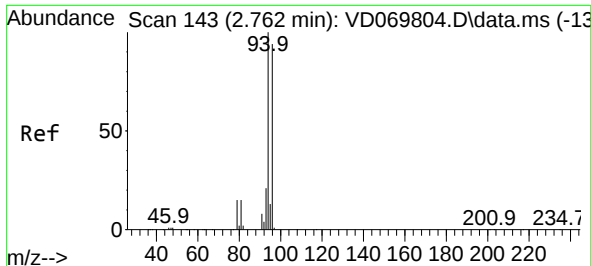
Tgt Ion:168 Resp: 23734
Ion Ratio Lower Upper
168 100
99 56.5 51.1 76.7



#3
Chloromethane
Concen: 1.904 ug/l
RT: 2.209 min Scan# 49
Delta R.T. -0.000 min
Lab File: VD069916.D
Acq: 29 Jul 2021 17:26

Tgt Ion: 50 Resp: 690
Ion Ratio Lower Upper
50 100
52 84.7 25.7 38.5#

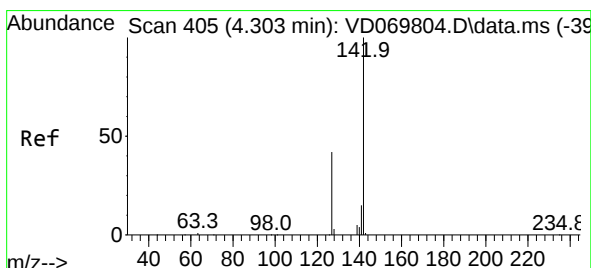
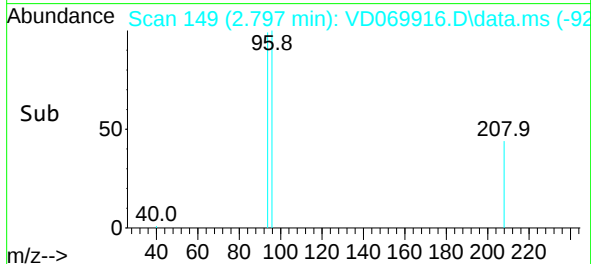
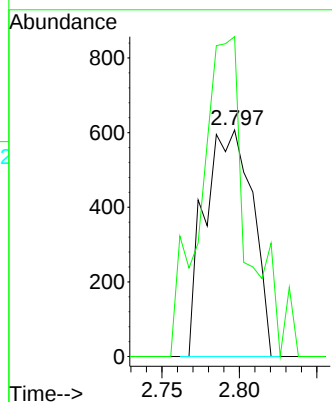
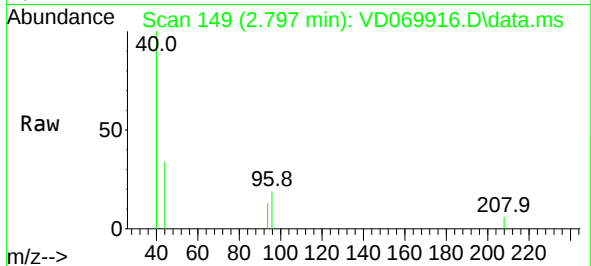




#5
Bromomethane
Concen: 4.046 ug/l
RT: 2.797 min Scan# 149
Delta R.T. 0.035 min
Lab File: VD069916.D
Acq: 29 Jul 2021 17:26

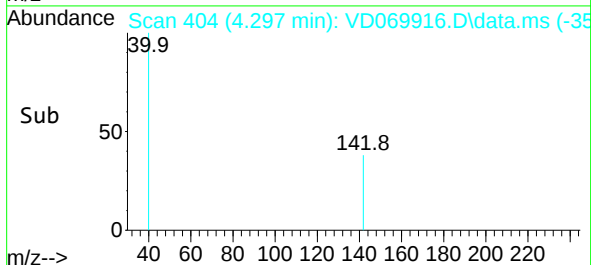
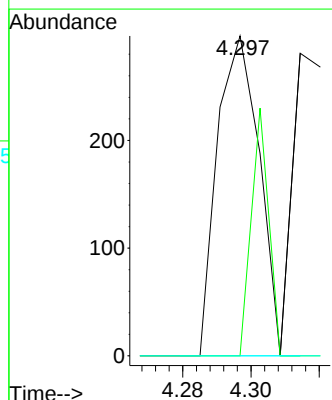
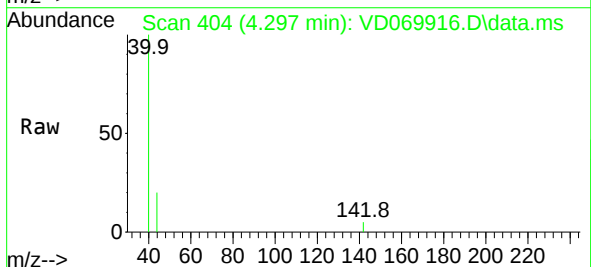
Instrument :
MSVOA_D
ClientSampleId :

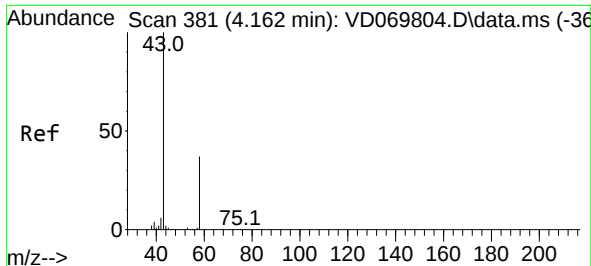
Tgt Ion: 94 Resp: 1305
Ion Ratio Lower Upper
94 100
96 141.2 74.8 112.2#



#10
Methyl Iodide
Concen: 4.261 ug/l
RT: 4.297 min Scan# 404
Delta R.T. -0.006 min
Lab File: VD069916.D
Acq: 29 Jul 2021 17:26

Tgt Ion:142 Resp: 253
Ion Ratio Lower Upper
142 100
127 32.0 35.7 53.5#
141 0.0 12.0 18.0#

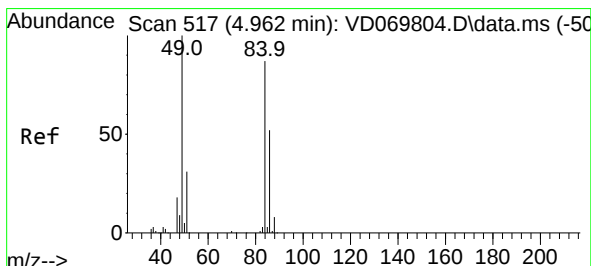
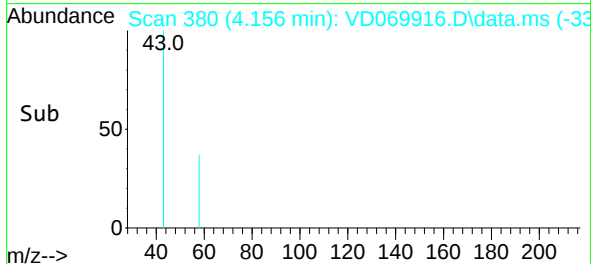
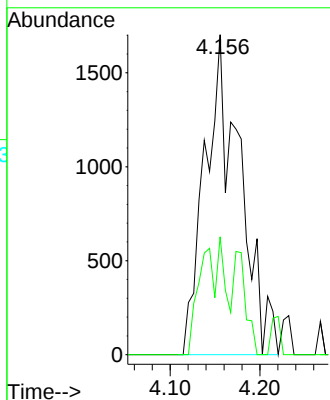
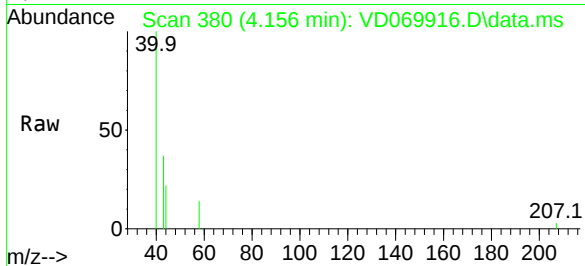




#16
Acetone
Concen: 93.775 ug/l
RT: 4.156 min Scan# 380
Delta R.T. -0.006 min
Lab File: VD069916.D
Acq: 29 Jul 2021 17:26

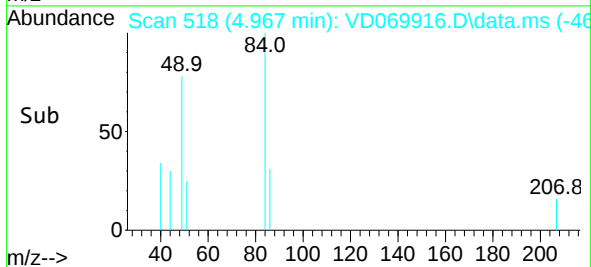
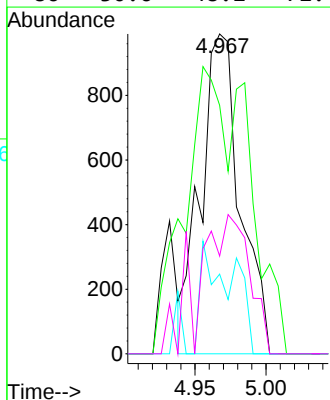
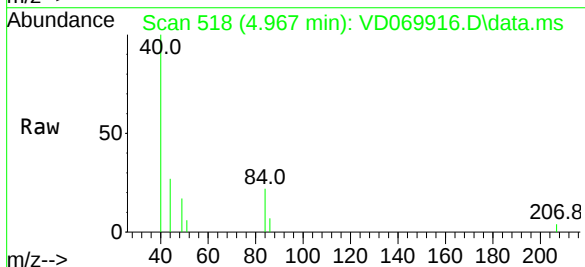
Instrument :
MSVOA_D
ClientSampleId :

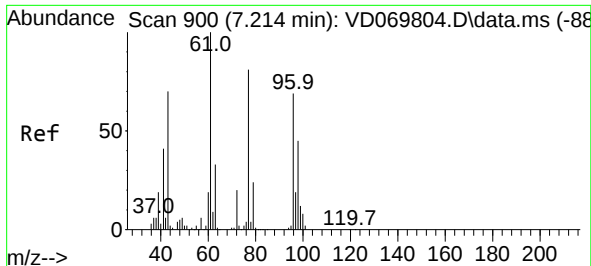
Tgt Ion: 43 Resp: 4624
Ion Ratio Lower Upper
43 100
58 36.9 29.4 44.0



#20
Methylene Chloride
Concen: Below Cal
RT: 4.967 min Scan# 518
Delta R.T. 0.005 min
Lab File: VD069916.D
Acq: 29 Jul 2021 17:26

Tgt Ion: 84 Resp: 1922
Ion Ratio Lower Upper
84 100
49 56.5 92.4 138.6#
51 24.9 28.5 42.7#
86 30.6 48.2 72.4#

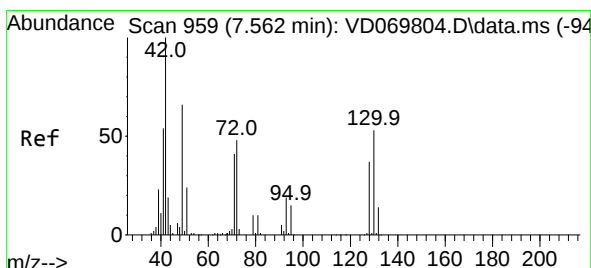
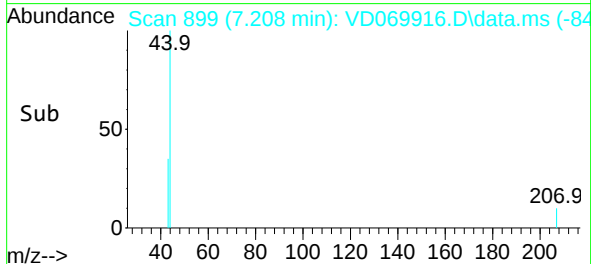
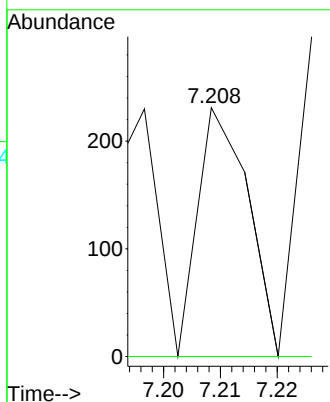
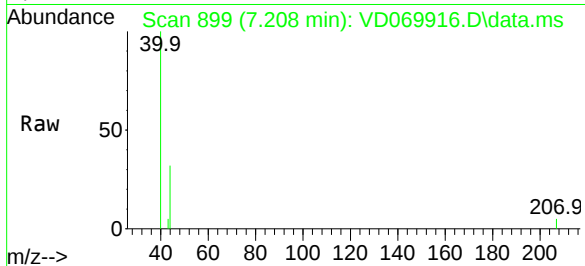




#25
2-Butanone
Concen: 2.124 ug/l
RT: 7.208 min Scan# 899
Delta R.T. -0.006 min
Lab File: VD069916.D
Acq: 29 Jul 2021 17:26

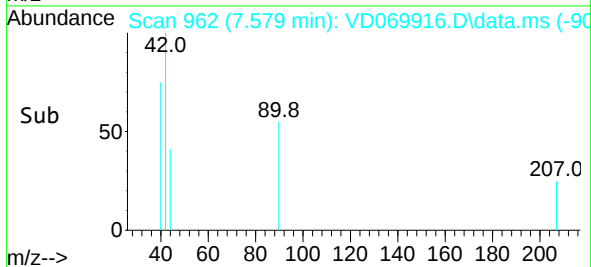
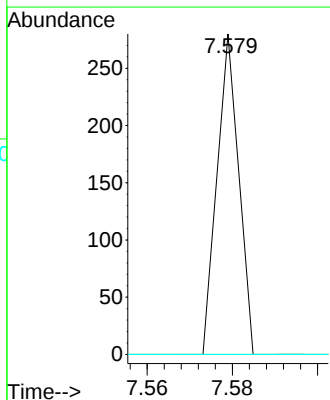
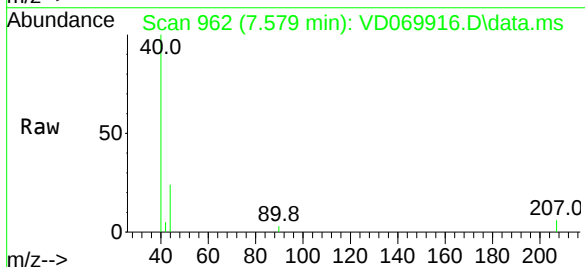
Instrument :
MSVOA_D
ClientSampled :

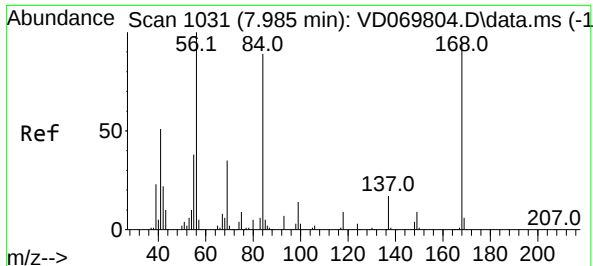
Tgt Ion: 43 Resp: 142
Ion Ratio Lower Upper
43 100
72 0.0 22.8 34.2#



#29
Tetrahydrofuran
Concen: 2.288 ug/l
RT: 7.579 min Scan# 962
Delta R.T. 0.017 min
Lab File: VD069916.D
Acq: 29 Jul 2021 17:26

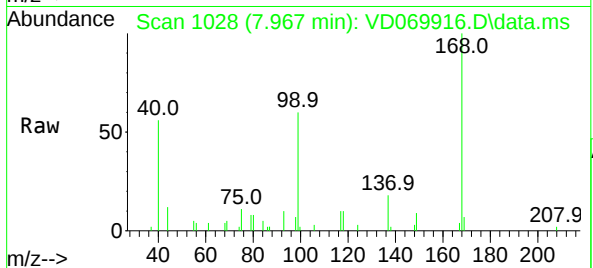
Tgt Ion: 42 Resp: 99
Ion Ratio Lower Upper
42 100
72 0.0 36.5 54.7#
71 0.0 33.5 50.3#



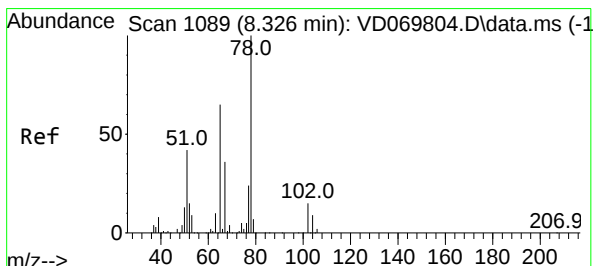
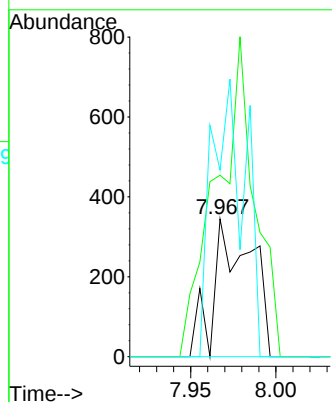
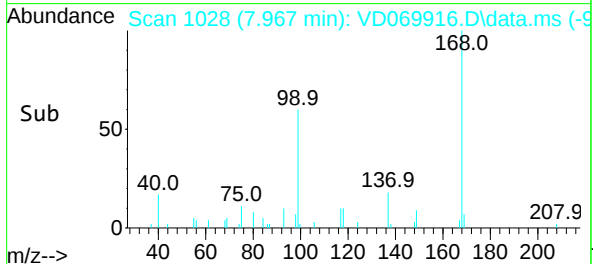


#31
Cyclohexane
Concen: 1.005 ug/l
RT: 7.967 min Scan# 1028
Delta R.T. -0.018 min
Lab File: VD069916.D
Acq: 29 Jul 2021 17:26

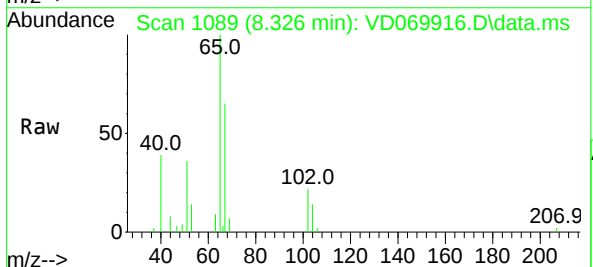
Instrument :
MSVOA_D
ClientSampleId :



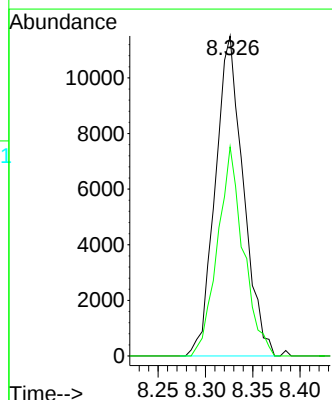
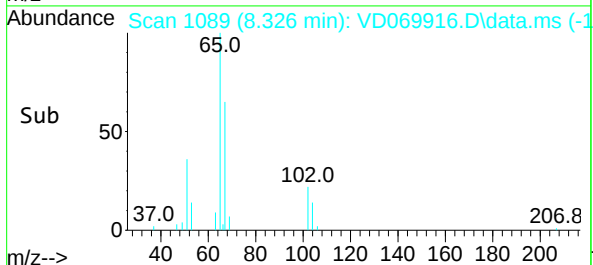
Tgt Ion: 56 Resp: 536
Ion Ratio Lower Upper
56 100
69 131.6 27.9 41.9#
84 135.4 71.4 107.2#

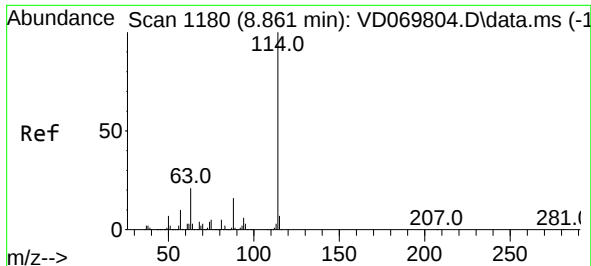


#33
1,2-Dichloroethane-d4
Concen: 86.756 ug/l
RT: 8.326 min Scan# 1089
Delta R.T. -0.000 min
Lab File: VD069916.D
Acq: 29 Jul 2021 17:26



Tgt Ion: 65 Resp: 23681
Ion Ratio Lower Upper
65 100
67 60.6 0.0 111.2





#34

1,4-Difluorobenzene

Concen: 50.000 ug/l

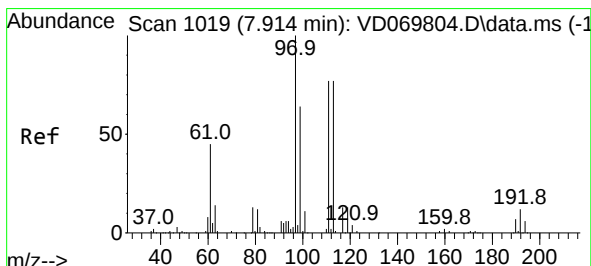
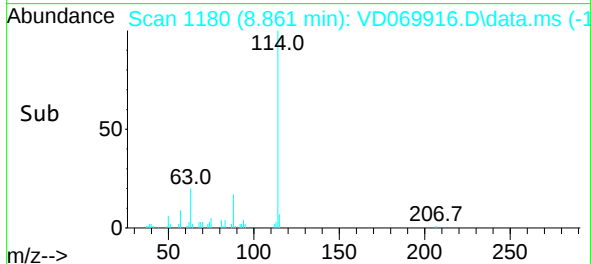
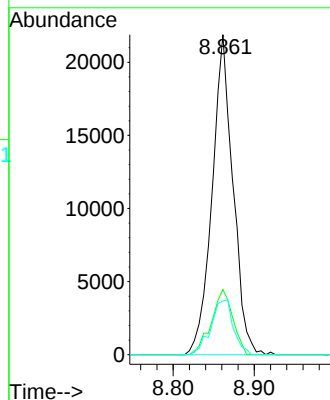
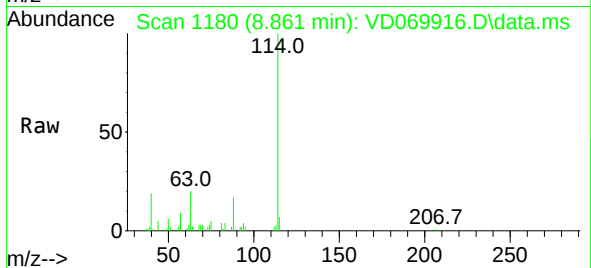
RT: 8.861 min Scan# 1180

Delta R.T. 0.000 min

Lab File: VD069916.D

Acq: 29 Jul 2021 17:26

Tgt Ion:	114	Resp:	39096
Ion Ratio	Lower	Upper	
114	100		
63	20.3	0.0	41.6
88	16.8	0.0	31.4



#35

Dibromofluoromethane

Concen: 56.975 ug/l

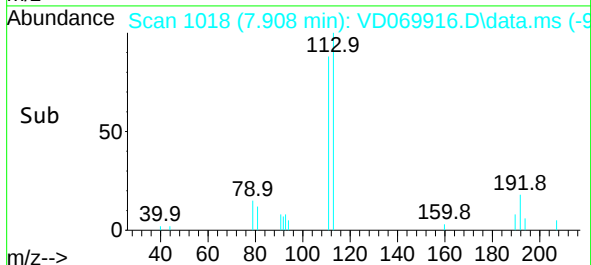
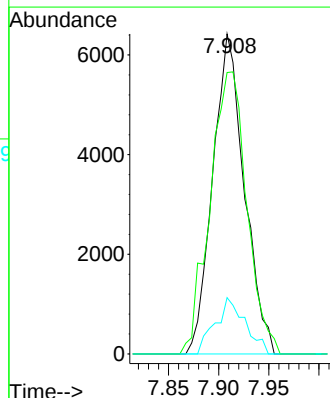
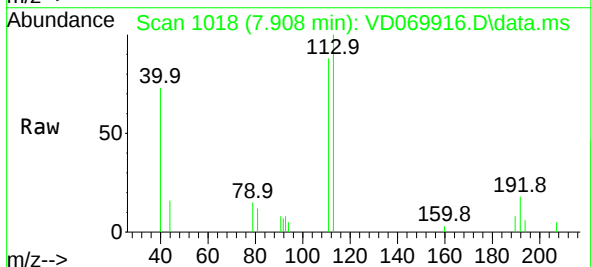
RT: 7.908 min Scan# 1018

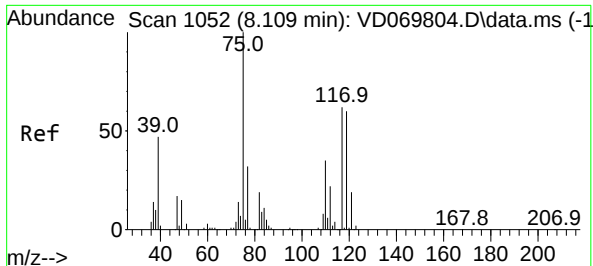
Delta R.T. -0.006 min

Lab File: VD069916.D

Acq: 29 Jul 2021 17:26

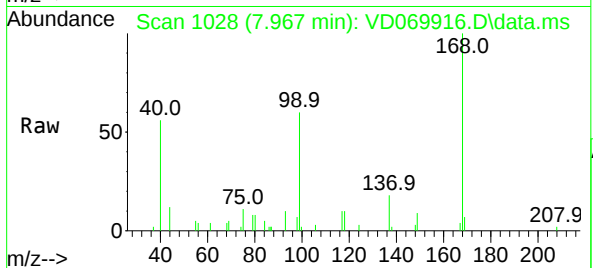
Tgt Ion:	113	Resp:	14042
Ion Ratio	Lower	Upper	
113	100		
111	102.9	80.5	120.7
192	16.6	12.6	19.0



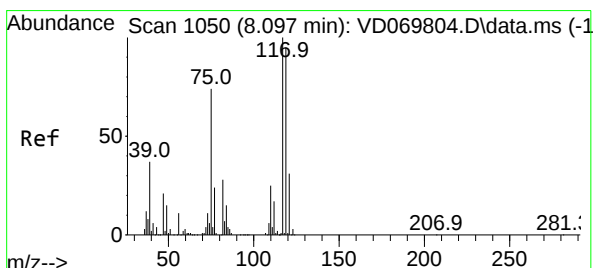
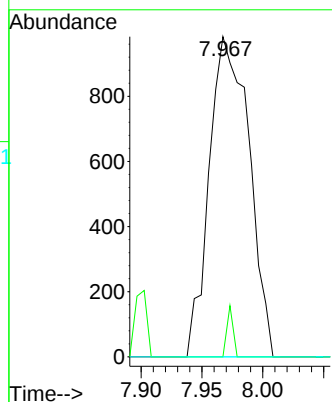
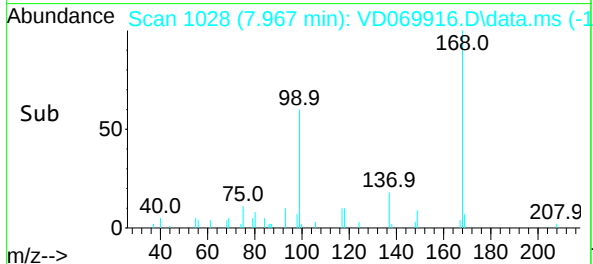


#36
1,1-Dichloropropene
Concen: 5.307 ug/l
RT: 7.967 min Scan# 1028
Delta R.T. -0.141 min
Lab File: VD069916.D
Acq: 29 Jul 2021 17:26

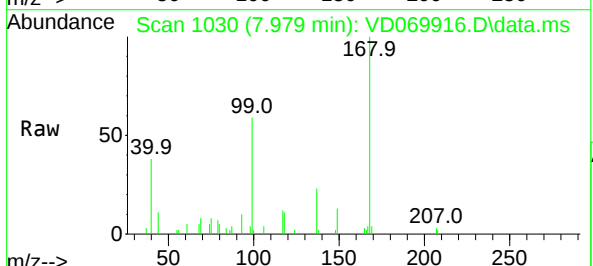
Instrument :
MSVOA_D
ClientSampleId :



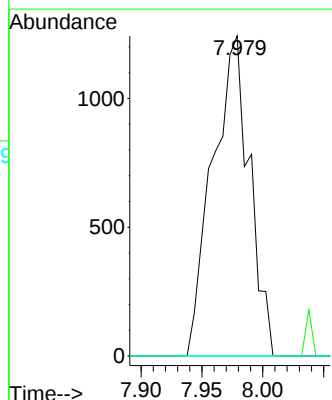
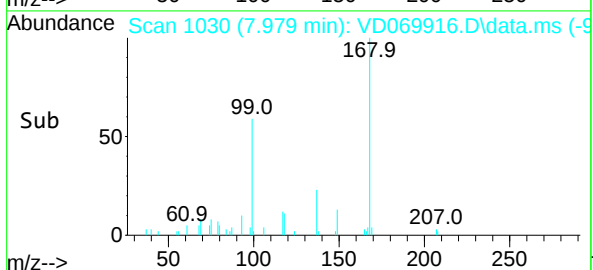
Tgt Ion: 75 Resp: 2239
Ion Ratio Lower Upper
75 100
110 2.5 16.9 50.7#
77 0.0 24.9 37.3#

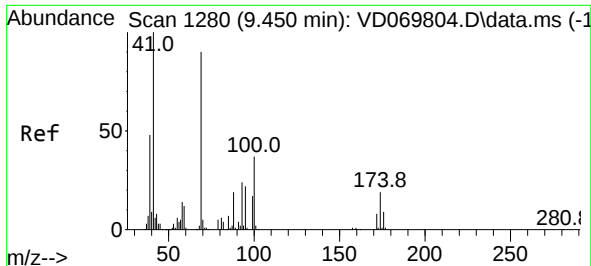


#38
Carbon Tetrachloride
Concen: 6.798 ug/l
RT: 7.979 min Scan# 1030
Delta R.T. -0.118 min
Lab File: VD069916.D
Acq: 29 Jul 2021 17:26



Tgt Ion: 117 Resp: 2620
Ion Ratio Lower Upper
117 100
119 0.0 76.2 114.2#
121 0.0 24.5 36.7#

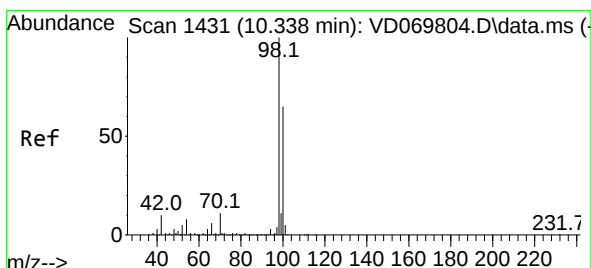
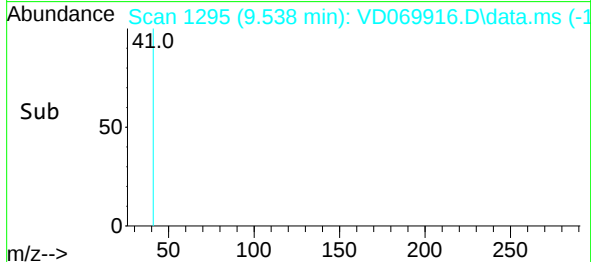
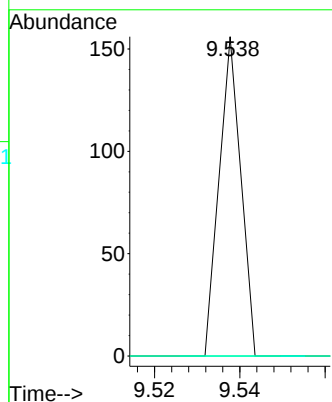
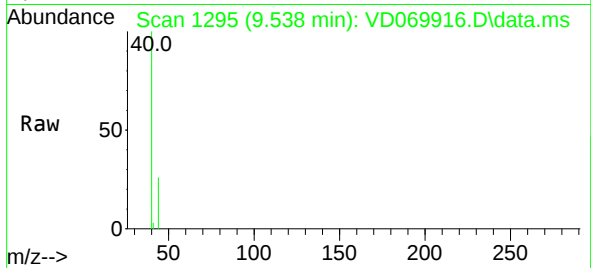




#48
Methyl methacrylate
Concen: 3.101 ug/l
RT: 9.538 min Scan# 1295
Delta R.T. 0.088 min
Lab File: VD069916.D
Acq: 29 Jul 2021 17:26

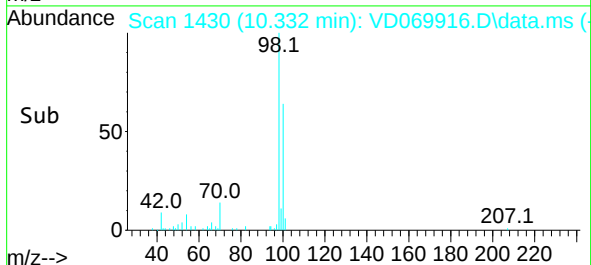
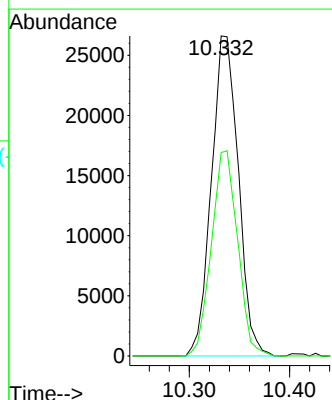
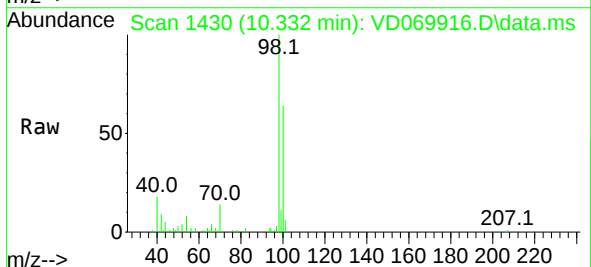
Instrument :
MSVOA_D
ClientSampled :

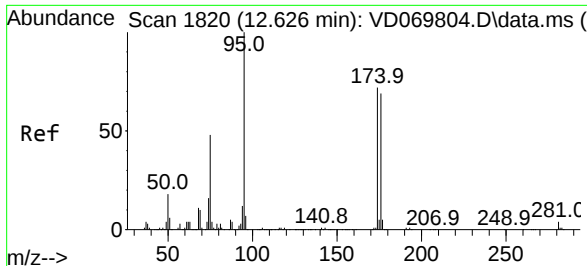
Tgt Ion: 41 Resp: 55
Ion Ratio Lower Upper
41 100
69 0.0 73.4 110.2#
39 0.0 36.6 55.0#



#50
Toluene-d8
Concen: 52.181 ug/l
RT: 10.332 min Scan# 1430
Delta R.T. -0.006 min
Lab File: VD069916.D
Acq: 29 Jul 2021 17:26

Tgt Ion: 98 Resp: 49590
Ion Ratio Lower Upper
98 100
100 62.4 51.9 77.9

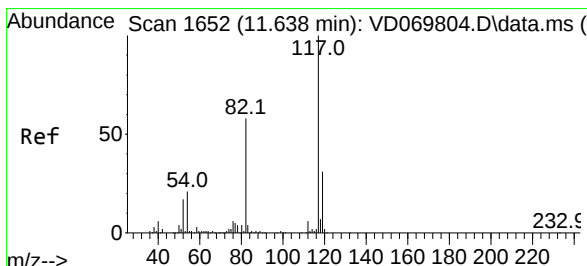
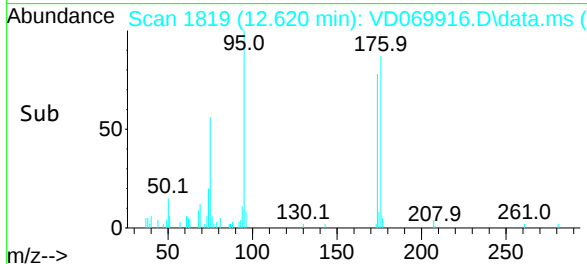
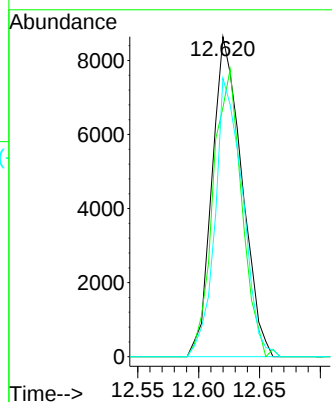
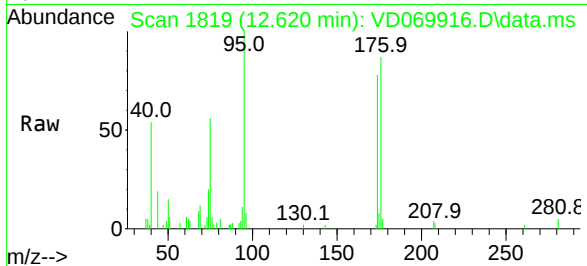




#62
4-Bromofluorobenzene
Concen: 46.274 ug/l
RT: 12.620 min Scan# 1819
Delta R.T. -0.006 min
Lab File: VD069916.D
Acq: 29 Jul 2021 17:26

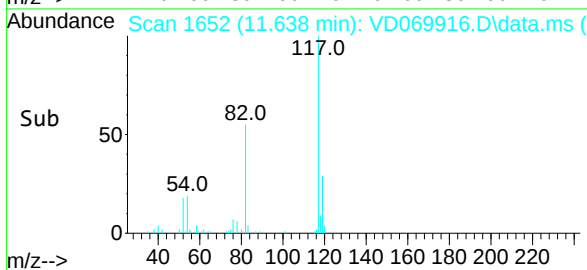
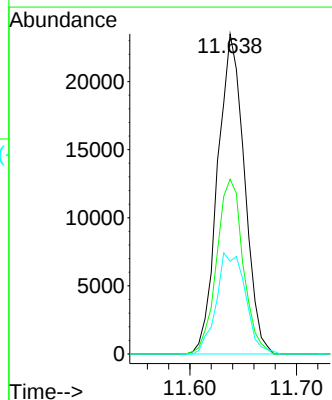
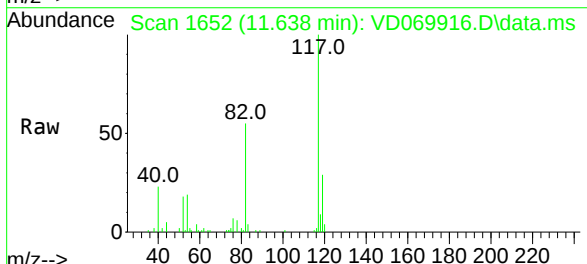
Instrument :
MSVOA_D
ClientSampleId :

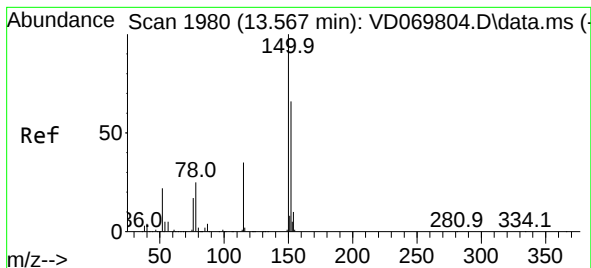
Tgt Ion:	95	Resp:	14697
Ion	Ratio	Lower	Upper
95	100		
174	86.1	0.0	142.6
176	80.6	0.0	134.2



#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.638 min Scan# 1652
Delta R.T. -0.000 min
Lab File: VD069916.D
Acq: 29 Jul 2021 17:26

Tgt Ion:	117	Resp:	40925
Ion	Ratio	Lower	Upper
117	100		
82	54.6	46.3	69.5
119	29.0	24.7	37.1

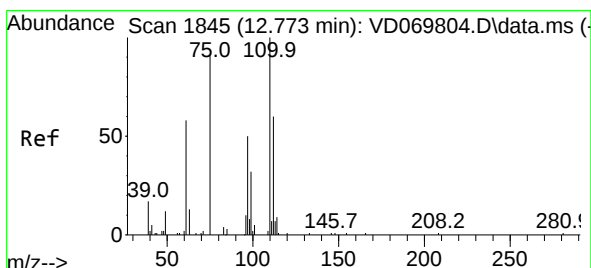
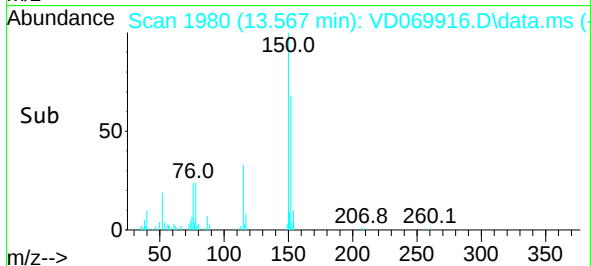
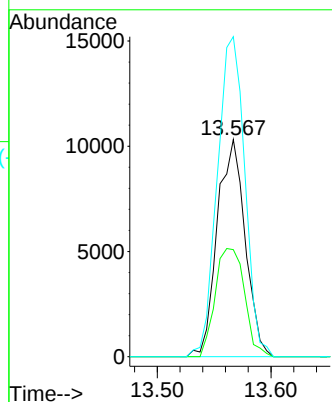
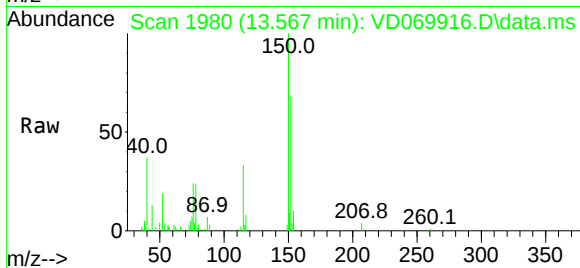




#72
 1,4-Dichlorobenzene-d4
 Concen: 50.000 ug/l
 RT: 13.567 min Scan# 1980
 Delta R.T. -0.000 min
 Lab File: VD069916.D
 Acq: 29 Jul 2021 17:26

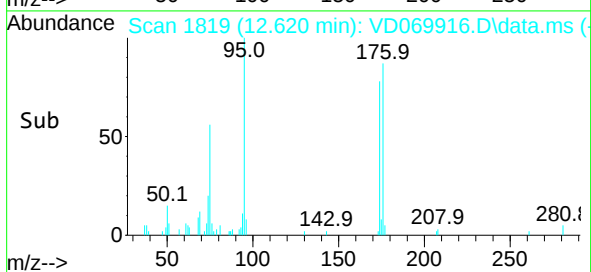
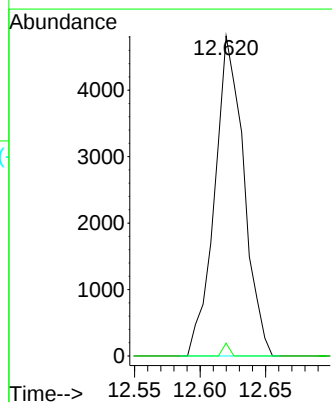
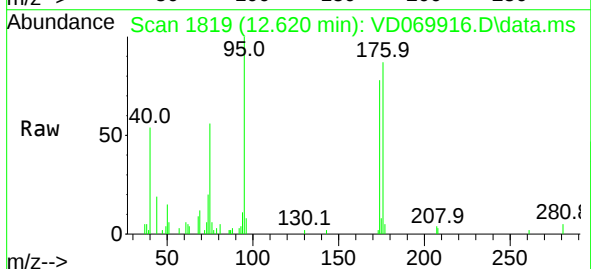
Instrument :
 MSVOA_D
 ClientSampleId :

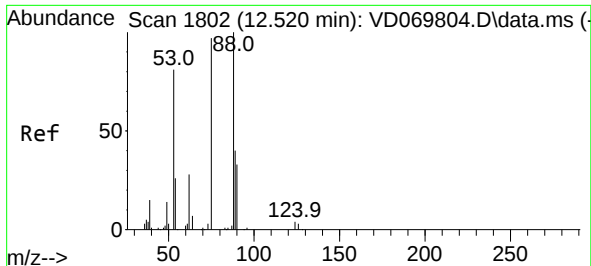
Tgt Ion:152 Resp: 17579
 Ion Ratio Lower Upper
 152 100
 115 52.4 31.1 93.3
 150 145.9 0.0 343.0



#76
 1,2,3-Trichloropropane
 Concen: 39.818 ug/l
 RT: 12.620 min Scan# 1819
 Delta R.T. -0.153 min
 Lab File: VD069916.D
 Acq: 29 Jul 2021 17:26

Tgt Ion: 75 Resp: 7440
 Ion Ratio Lower Upper
 75 100
 77 0.9 181.5 544.5#

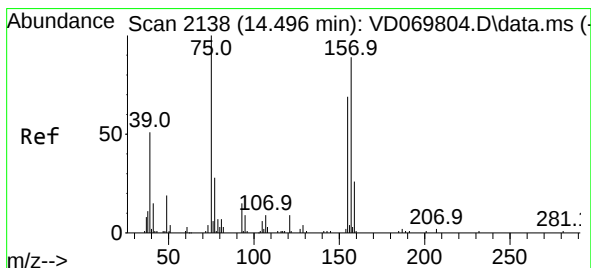
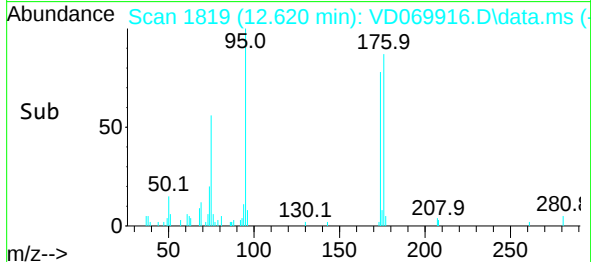
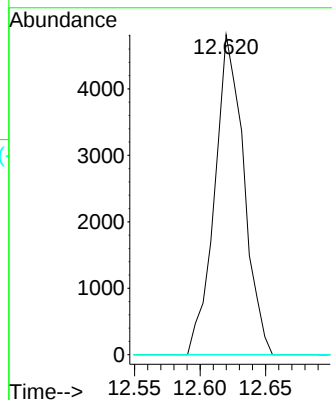
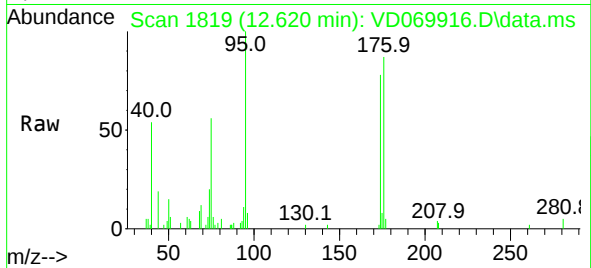




#81
trans-1,4-Dichloro-2-butene
Concen: 120.796 ug/l
RT: 12.620 min Scan# 1819
Delta R.T. 0.100 min
Lab File: VD069916.D
Acq: 29 Jul 2021 17:26

Instrument :
MSVOA_D
ClientSampleId :

Tgt Ion: 75 Resp: 7440
Ion Ratio Lower Upper
75 100
53 0.0 67.2 100.8#
89 0.0 35.8 53.6#



#92
1,2-Dibromo-3-Chloropropane
Concen: 1.569 ug/l
RT: 14.479 min Scan# 2135
Delta R.T. -0.018 min
Lab File: VD069916.D
Acq: 29 Jul 2021 17:26

Tgt Ion: 75 Resp: 57
Ion Ratio Lower Upper
75 100
155 0.0 36.3 108.9#
157 0.0 47.0 141.0#

