

Data Path : Z:\voasrv\HPCHEM1\MSVOA_D\Data\VD071921\
 Data File : VD069756.D
 Acq On : 19 Jul 2021 17:18
 Operator : VA/SY
 Sample : M3039-05
 Misc : 5.07G/5.00ml/MSVOA_D/SOIL
 ALS Vial : 19 Sample Multiplier: 1

Instrument :
 MSVOA_D
 ClientSampleId :

Quant Time: Jul 20 02:14:01 2021
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_D\Method\82D071321S.M
 Quant Title : SW846 8260
 QLast Update : Wed Jul 14 06:00:31 2021
 Response via : Initial Calibration

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

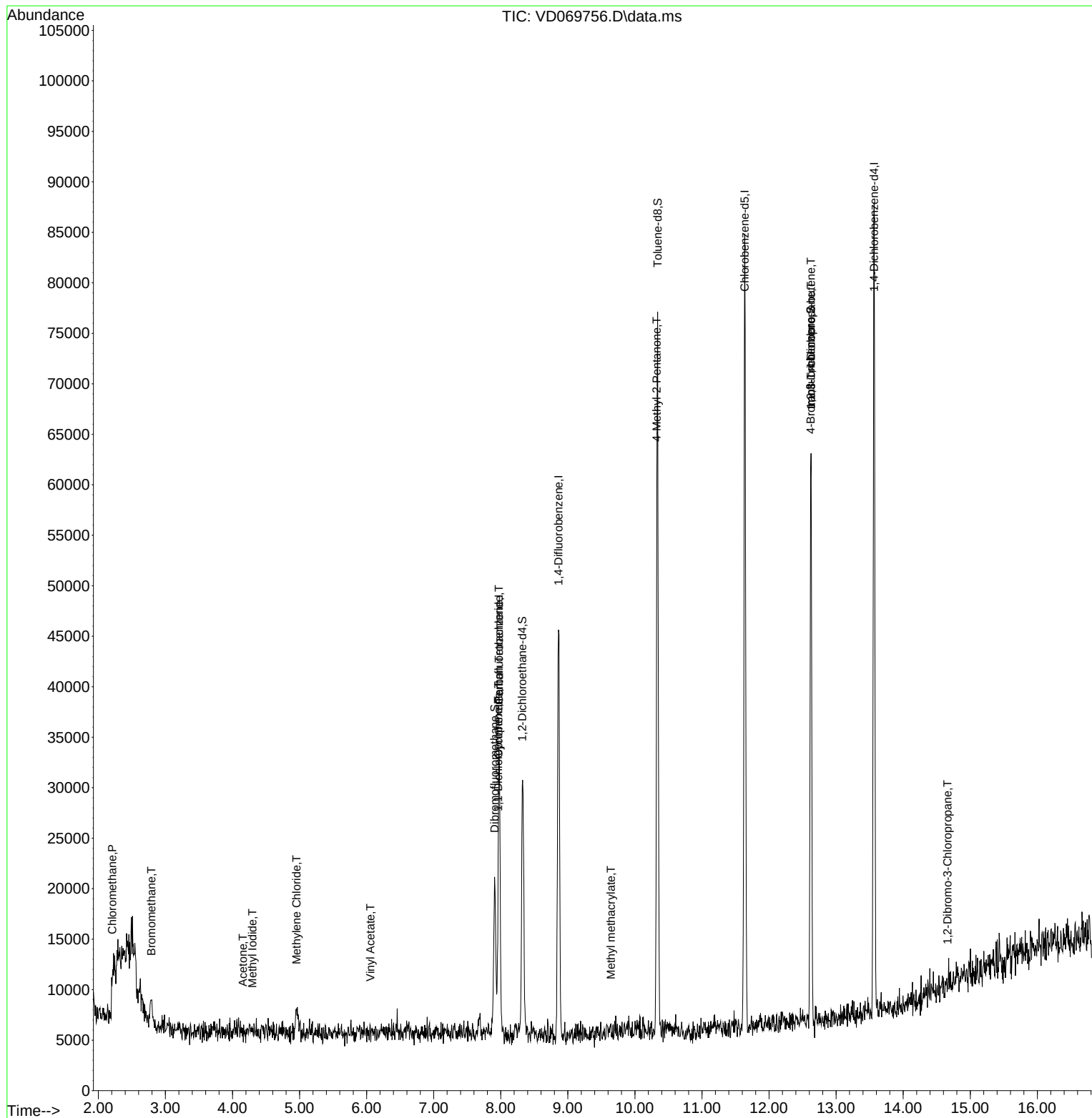
Internal Standards						
1) Pentafluorobenzene	7.973	168	19856	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	8.861	114	35899	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.638	117	43544	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.567	152	21745	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.320	65	20153	81.286	ug/l	0.00
Spiked Amount 50.000	Range 50 - 163		Recovery = 162.580%			
35) Dibromofluoromethane	7.908	113	11318	46.994	ug/l	0.00
Spiked Amount 50.000	Range 54 - 147		Recovery = 93.980%			
50) Toluene-d8	10.338	98	46466	49.661	ug/l	0.00
Spiked Amount 50.000	Range 49 - 140		Recovery = 99.320%			
62) 4-Bromofluorobenzene	12.620	95	20553	65.864	ug/l	0.00
Spiked Amount 50.000	Range 25 - 144		Recovery = 131.720%			
Target Compounds					Qvalue	
3) Chloromethane	2.209	50	867	2.818	ug/l	91
5) Bromomethane	2.791	94	1711	7.715	ug/l	87
10) Methyl Iodide	4.297	142	136	2.992	ug/l #	80
16) Acetone	4.156	43	500	21.787	ug/l #	39
18) Methyl Acetate	4.720	43	55	Below Cal	#	49
20) Methylene Chloride	4.956	84	2130	1.495	ug/l #	58
23) Vinyl Acetate	6.055	43	197	15.899	ug/l #	72
31) Cyclohexane	7.967	56	613	1.846	ug/l #	47
36) 1,1-Dichloropropene	7.961	75	1594	4.304	ug/l #	46
38) Carbon Tetrachloride	7.973	117	1956	5.768	ug/l #	13
48) Methyl methacrylate	9.644	41	60	1.543	ug/l #	13
51) 4-Methyl-2-Pentanone	10.326	43	184	1.385	ug/l #	1
76) 1,2,3-Trichloropropane	12.626	75	9553	45.222	ug/l #	100
81) trans-1,4-Dichloro-2-b...	12.626	75	9553	121.532	ug/l #	14
92) 1,2-Dibromo-3-Chloropr...	14.661	75	76	1.654	ug/l #	8

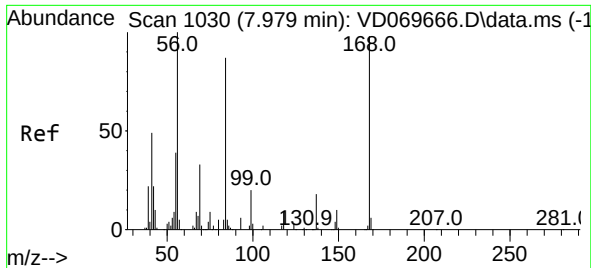
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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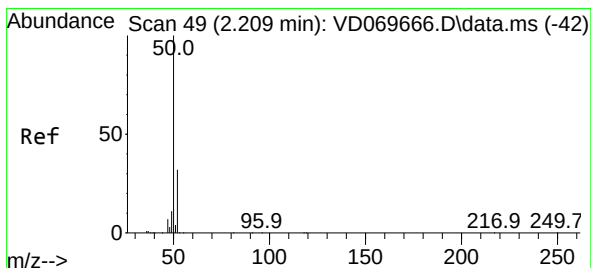
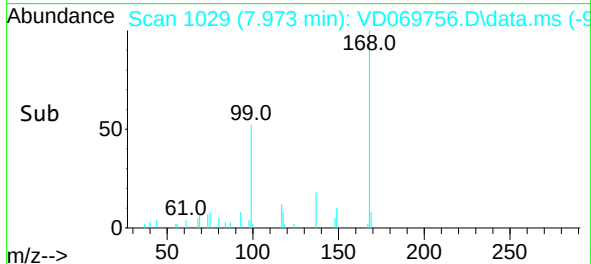
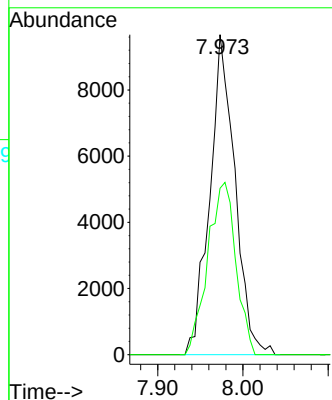
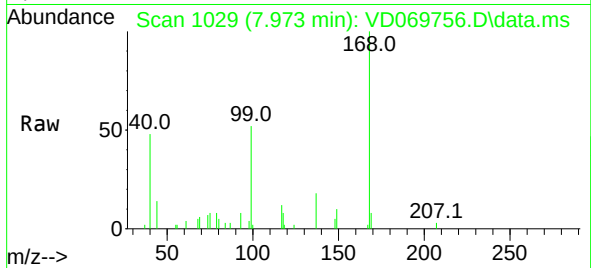




#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 7.973 min Scan# 1029
Delta R.T. -0.006 min
Lab File: VD069756.D
Acq: 19 Jul 2021 17:18

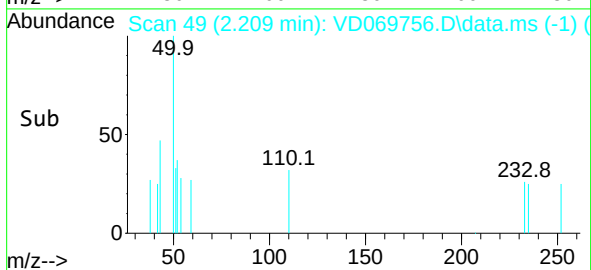
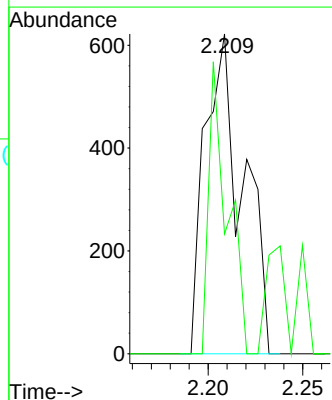
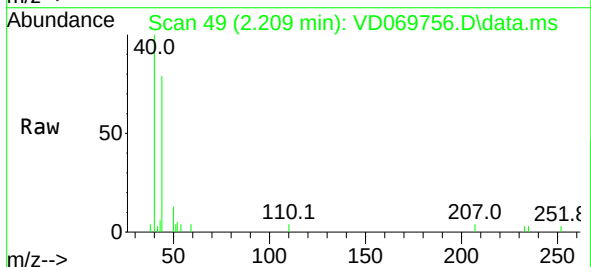
Instrument :
MSVOA_D
ClientSampled :

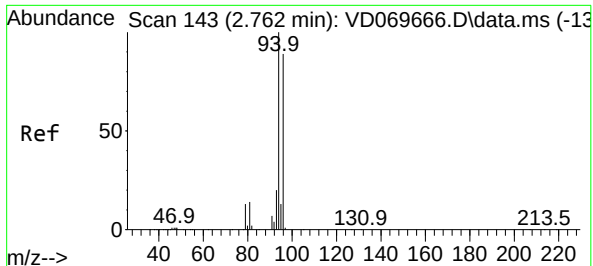
Tgt Ion:168 Resp: 19856
Ion Ratio Lower Upper
168 100
99 52.0 51.8 77.6



#3
Chloromethane
Concen: 2.818 ug/l
RT: 2.209 min Scan# 49
Delta R.T. -0.000 min
Lab File: VD069756.D
Acq: 19 Jul 2021 17:18

Tgt Ion: 50 Resp: 867
Ion Ratio Lower Upper
50 100
52 37.5 25.9 38.9

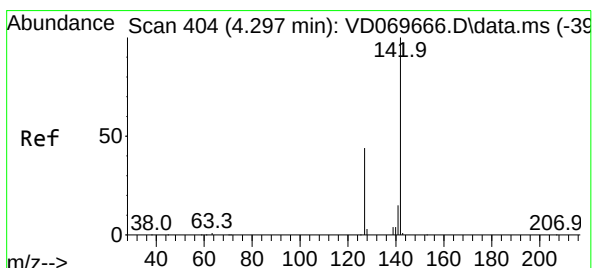
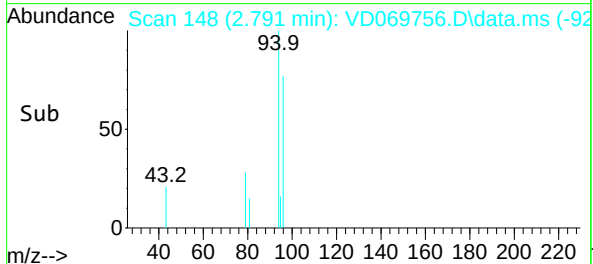
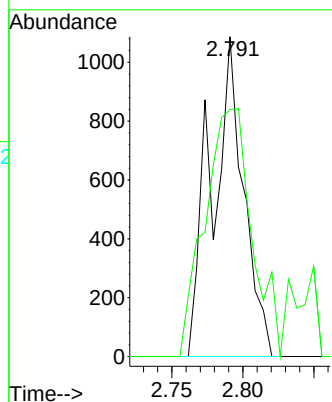
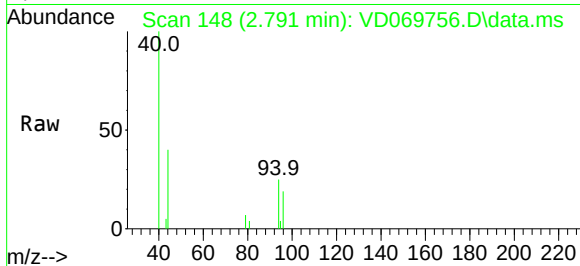




#5
Bromomethane
Concen: 7.715 ug/l
RT: 2.791 min Scan# 148
Delta R.T. 0.029 min
Lab File: VD069756.D
Acq: 19 Jul 2021 17:18

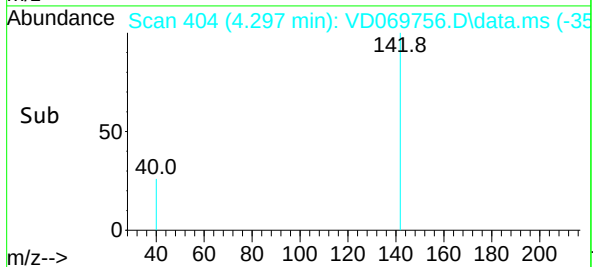
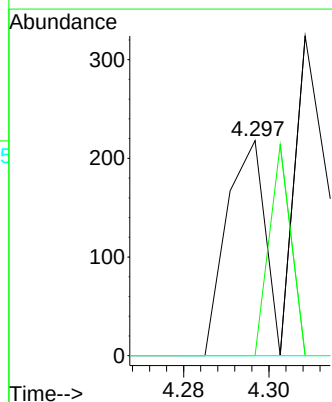
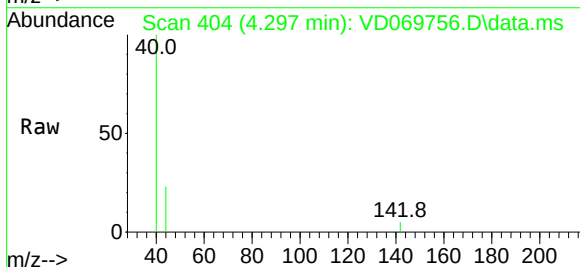
Instrument :
MSVOA_D
ClientSampleId :

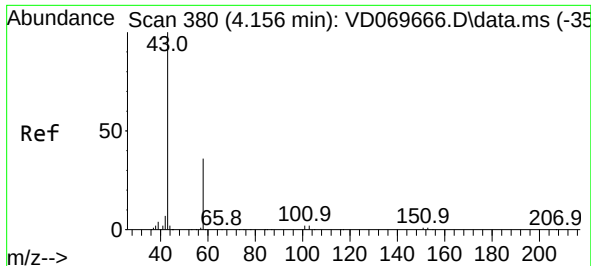
Tgt Ion: 94 Resp: 1711
Ion Ratio Lower Upper
94 100
96 77.2 71.2 106.8



#10
Methyl Iodide
Concen: 2.992 ug/l
RT: 4.297 min Scan# 404
Delta R.T. -0.000 min
Lab File: VD069756.D
Acq: 19 Jul 2021 17:18

Tgt Ion:142 Resp: 136
Ion Ratio Lower Upper
142 100
127 55.1 36.1 54.1#
141 0.0 11.6 17.4#

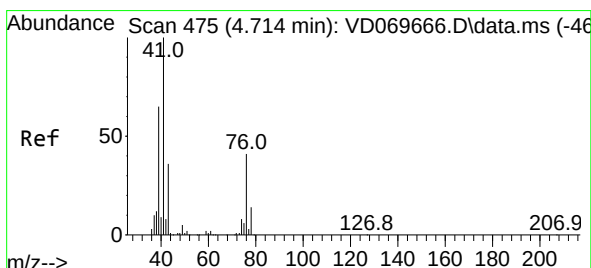
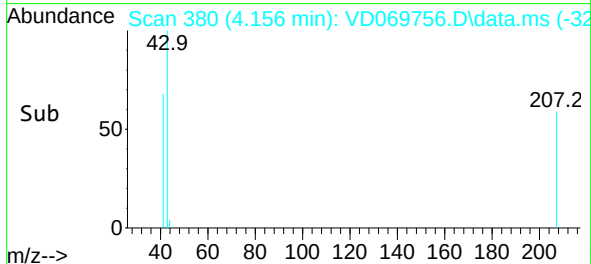
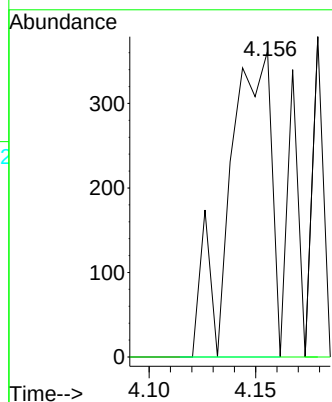
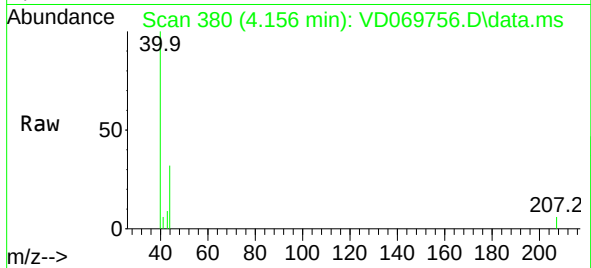




#16
Acetone
Concen: 21.787 ug/l
RT: 4.156 min Scan# 380
Delta R.T. -0.000 min
Lab File: VD069756.D
Acq: 19 Jul 2021 17:18

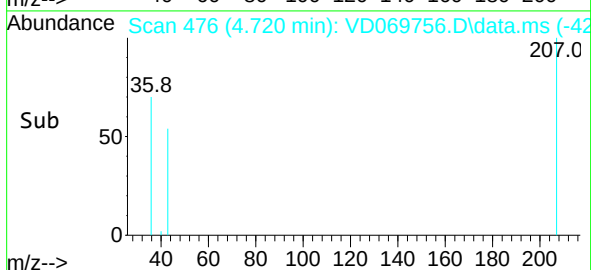
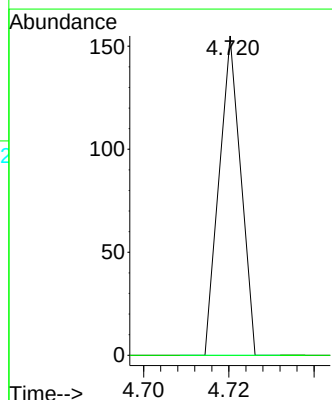
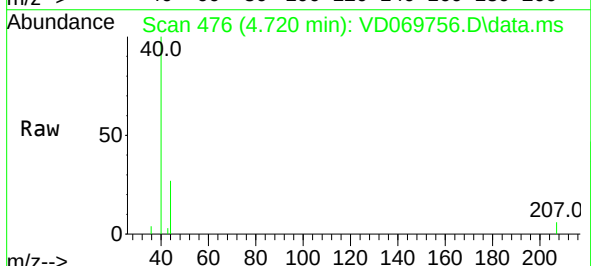
Instrument :
MSVOA_D
ClientSampleId :

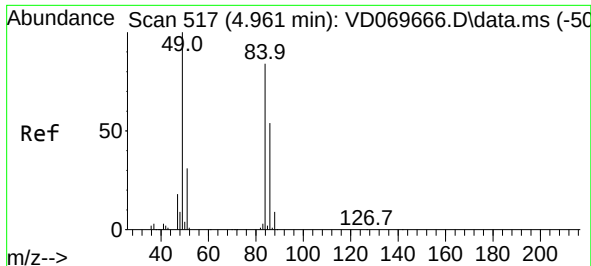
Tgt Ion: 43 Resp: 500
Ion Ratio Lower Upper
43 100
58 0.0 28.6 42.8#



#18
Methyl Acetate
Concen: Below Cal
RT: 4.720 min Scan# 476
Delta R.T. 0.006 min
Lab File: VD069756.D
Acq: 19 Jul 2021 17:18

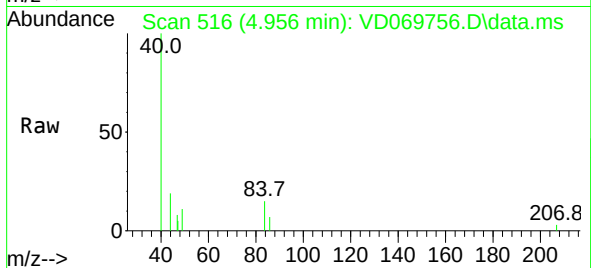
Tgt Ion: 43 Resp: 55
Ion Ratio Lower Upper
43 100
74 0.0 20.6 30.8#



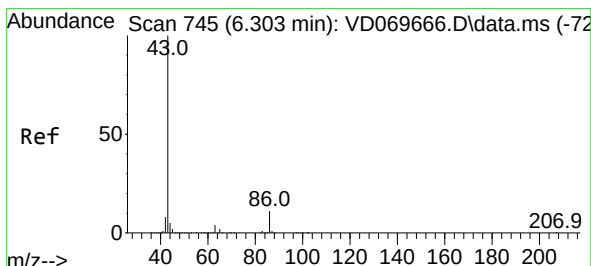
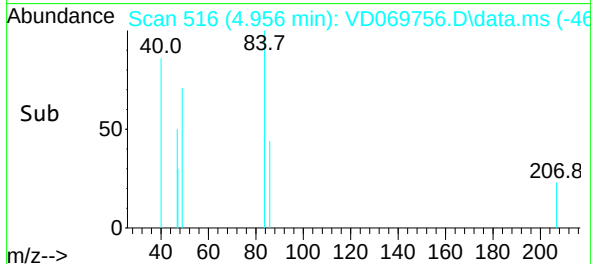
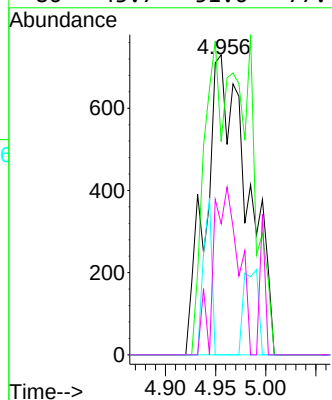


#20
Methylene Chloride
Concen: 1.495 ug/l
RT: 4.956 min Scan# 516
Delta R.T. -0.005 min
Lab File: VD069756.D
Acq: 19 Jul 2021 17:18

Instrument :
MSVOA_D
ClientSampleId :

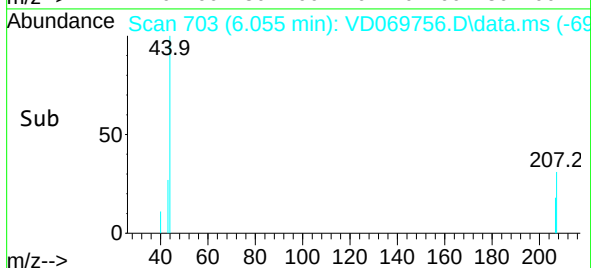
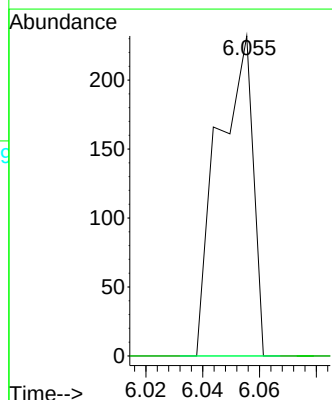
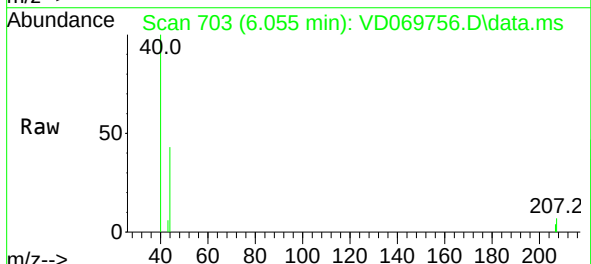


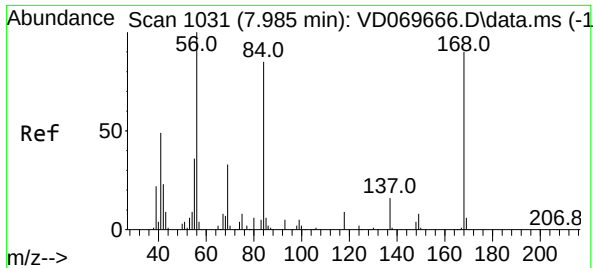
Tgt Ion:	84	Resp:	2130
Ion	Ratio	Lower	Upper
84	100		
49	71.1	95.5	143.3#
51	0.0	29.7	44.5#
86	43.7	51.6	77.4#



#23
Vinyl Acetate
Concen: 15.899 ug/l
RT: 6.055 min Scan# 703
Delta R.T. -0.248 min
Lab File: VD069756.D
Acq: 19 Jul 2021 17:18

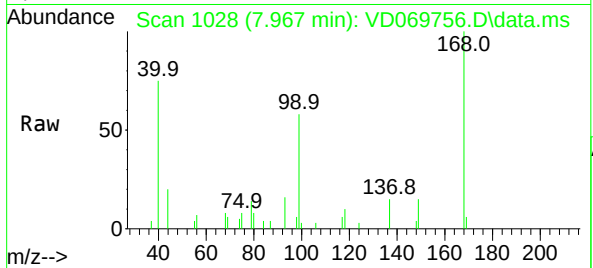
Tgt Ion:	43	Resp:	197
Ion	Ratio	Lower	Upper
43	100		
86	0.0	8.6	12.8#



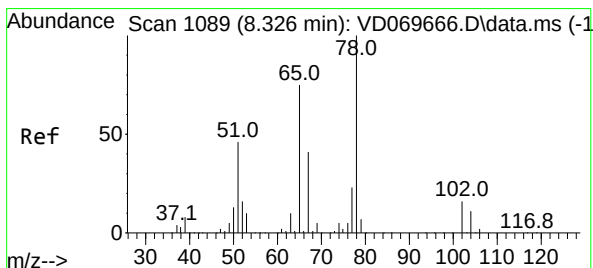
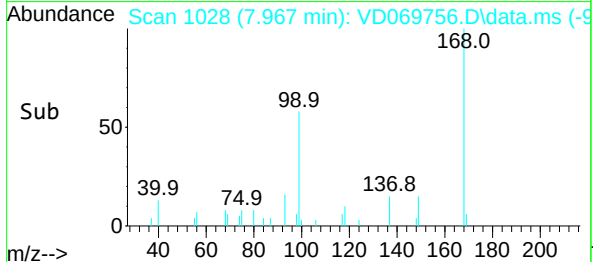
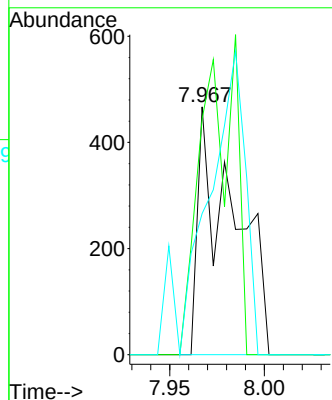


#31
Cyclohexane
Concen: 1.846 ug/l
RT: 7.967 min Scan# 1028
Delta R.T. -0.018 min
Lab File: VD069756.D
Acq: 19 Jul 2021 17:18

Instrument :
MSVOA_D
ClientSampled :

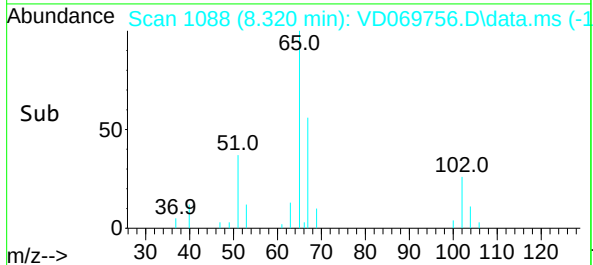
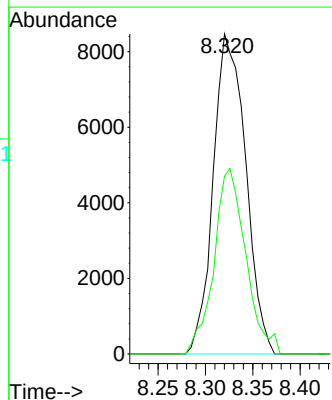
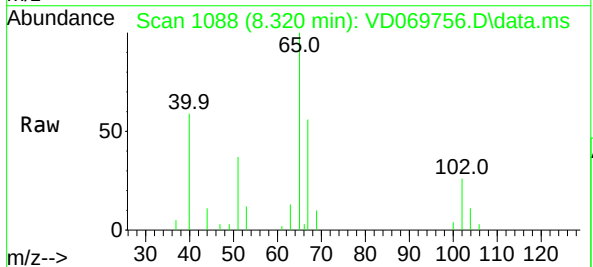


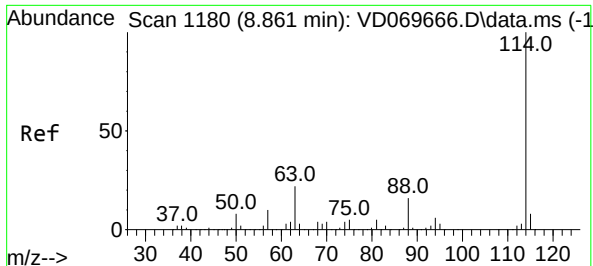
Tgt Ion: 56 Resp: 613
Ion Ratio Lower Upper
56 100
69 95.1 26.6 39.8#
84 57.0 68.2 102.2#



#33
1,2-Dichloroethane-d4
Concen: 81.286 ug/l
RT: 8.320 min Scan# 1088
Delta R.T. -0.006 min
Lab File: VD069756.D
Acq: 19 Jul 2021 17:18

Tgt Ion: 65 Resp: 20153
Ion Ratio Lower Upper
65 100
67 56.9 0.0 107.2

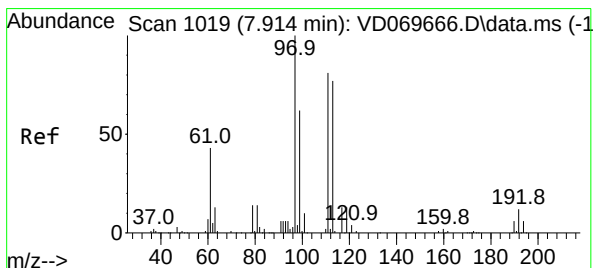
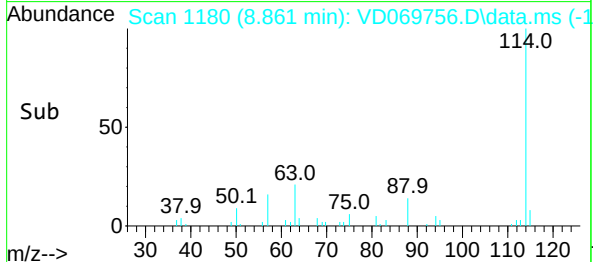
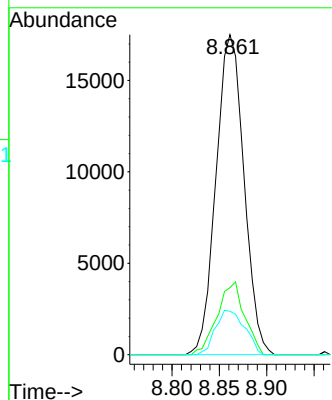
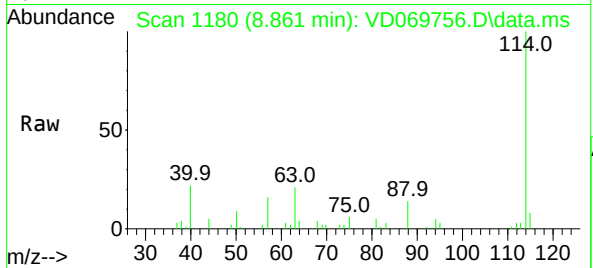




#34
1,4-Difluorobenzene
Concen: 50.000 ug/l
RT: 8.861 min Scan# 1180
Delta R.T. 0.000 min
Lab File: VD069756.D
Acq: 19 Jul 2021 17:18

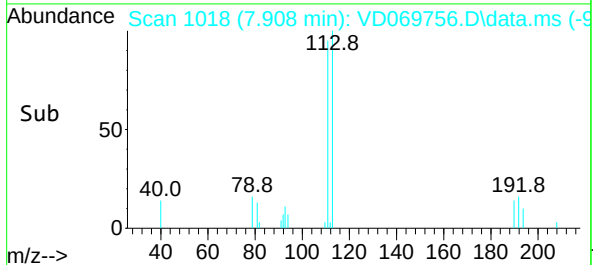
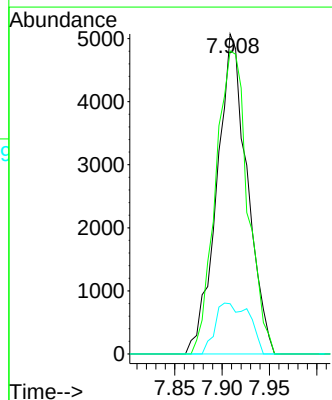
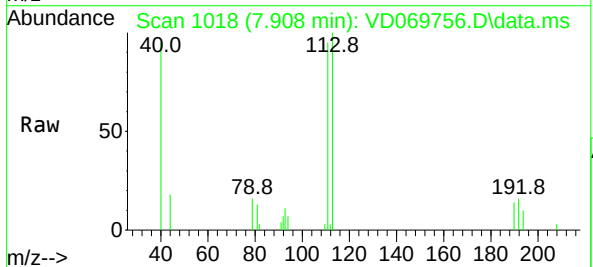
Instrument :
MSVOA_D
ClientSampled :

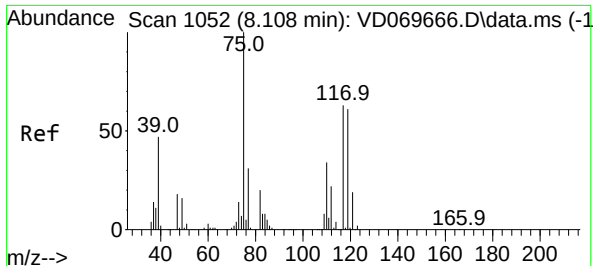
Tgt Ion:	114	Resp:	35899
Ion Ratio	Lower	Upper	
114	100		
63	21.0	0.0	43.4
88	13.6	0.0	32.0



#35
Dibromofluoromethane
Concen: 46.994 ug/l
RT: 7.908 min Scan# 1018
Delta R.T. -0.006 min
Lab File: VD069756.D
Acq: 19 Jul 2021 17:18

Tgt Ion:	113	Resp:	11318
Ion Ratio	Lower	Upper	
113	100		
111	99.8	82.6	123.8
192	17.7	12.7	19.1

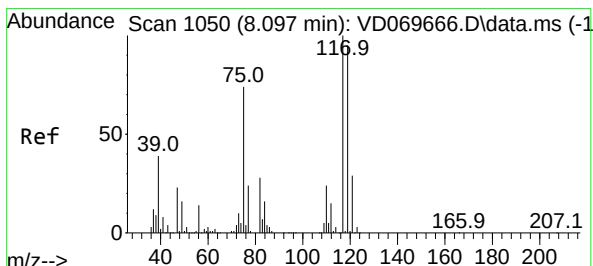
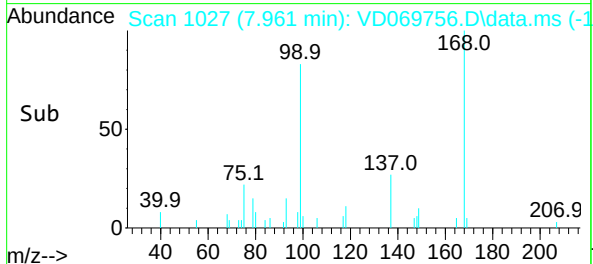
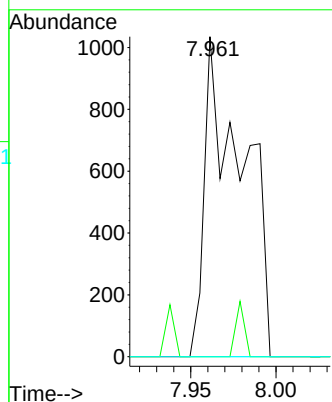
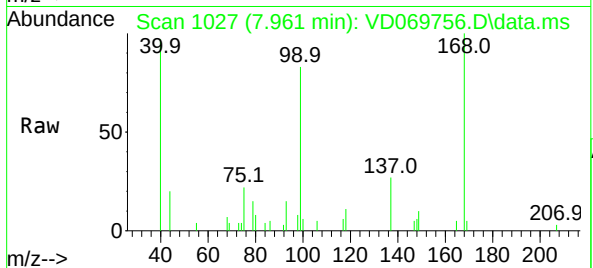




#36
1,1-Dichloropropene
Concen: 4.304 ug/l
RT: 7.961 min Scan# 1027
Delta R.T. -0.147 min
Lab File: VD069756.D
Acq: 19 Jul 2021 17:18

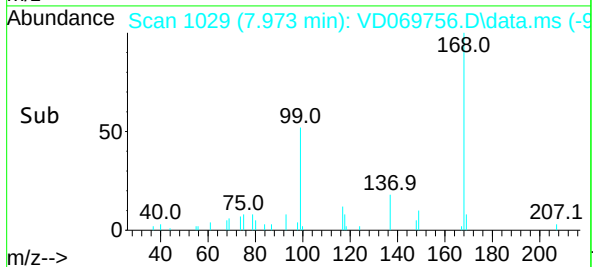
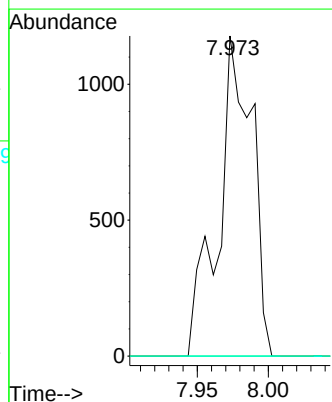
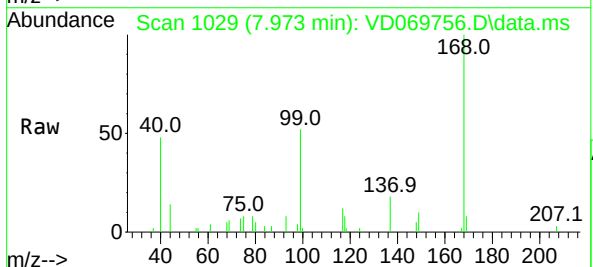
Instrument :
MSVOA_D
ClientSampleId :

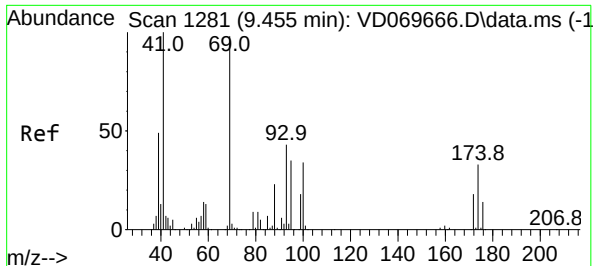
Tgt Ion: 75	Resp:	1594
Ion Ratio	Lower	Upper
75	100	
110	4.0	16.7 50.0#
77	0.0	25.3 37.9#



#38
Carbon Tetrachloride
Concen: 5.768 ug/l
RT: 7.973 min Scan# 1029
Delta R.T. -0.124 min
Lab File: VD069756.D
Acq: 19 Jul 2021 17:18

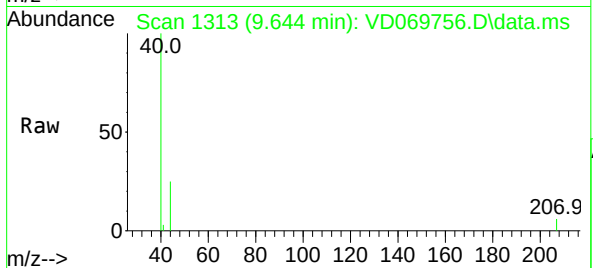
Tgt Ion: 117	Resp:	1956
Ion Ratio	Lower	Upper
117	100	
119	0.0	75.7 113.5#
121	0.0	23.0 34.6#



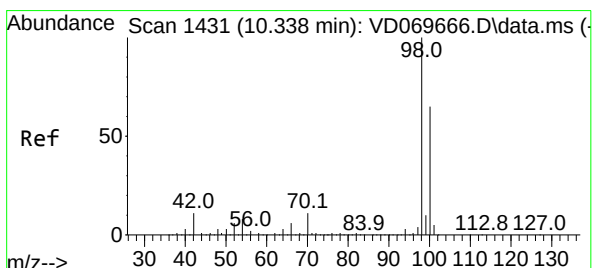
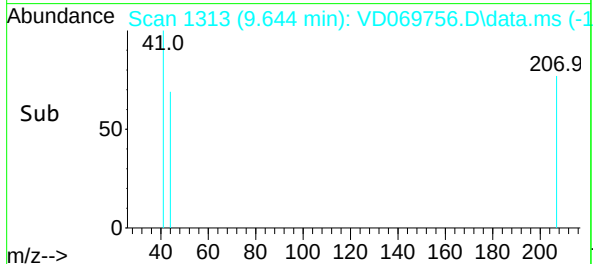
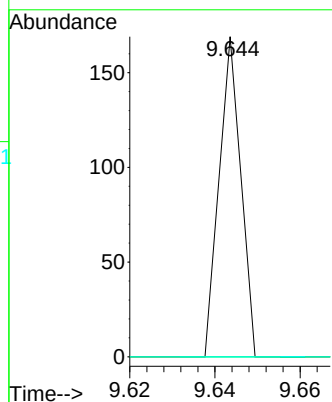


#48
Methyl methacrylate
Concen: 1.543 ug/l
RT: 9.644 min Scan# 1313
Delta R.T. 0.189 min
Lab File: VD069756.D
Acq: 19 Jul 2021 17:18

Instrument :
MSVOA_D
ClientSampled :

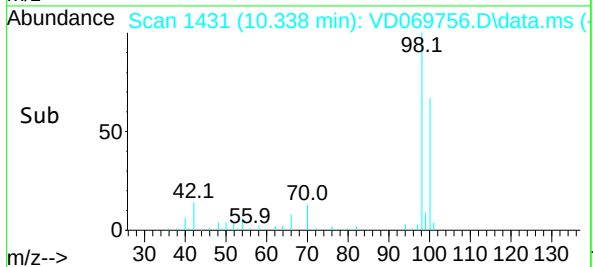
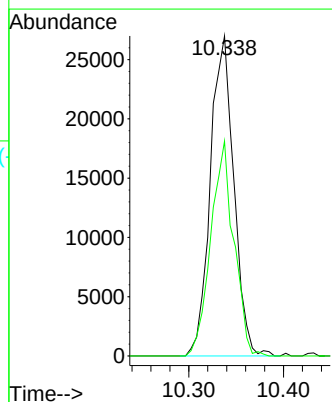
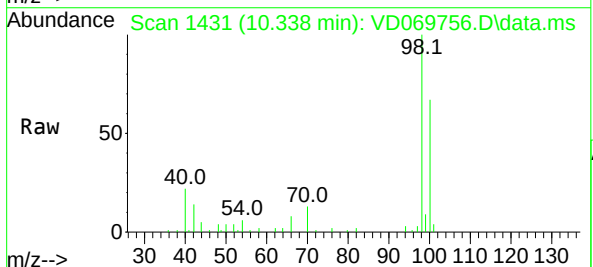


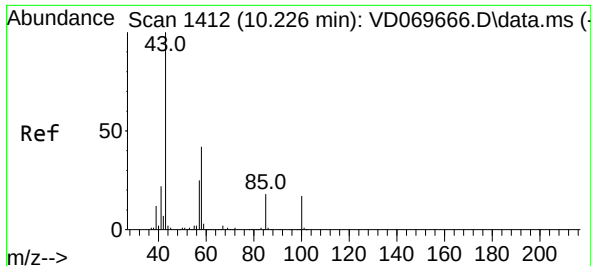
Tgt Ion: 41 Resp: 60
Ion Ratio Lower Upper
41 100
69 0.0 71.6 107.4#
39 0.0 36.7 55.1#



#50
Toluene-d8
Concen: 49.661 ug/l
RT: 10.338 min Scan# 1431
Delta R.T. -0.000 min
Lab File: VD069756.D
Acq: 19 Jul 2021 17:18

Tgt Ion: 98 Resp: 46466
Ion Ratio Lower Upper
98 100
100 66.0 52.2 78.2

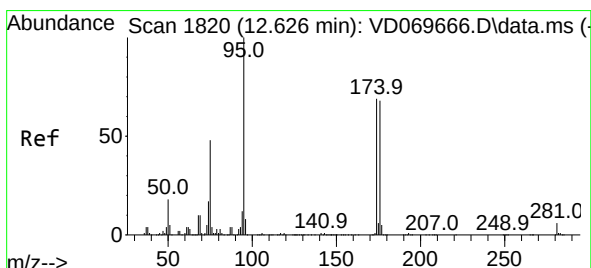
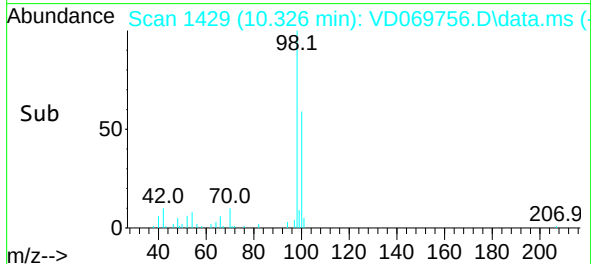
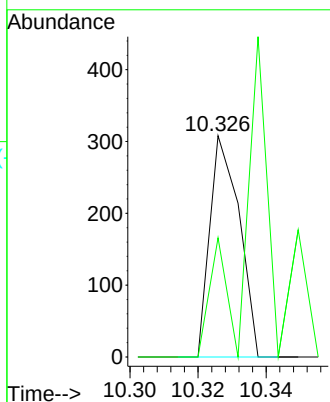
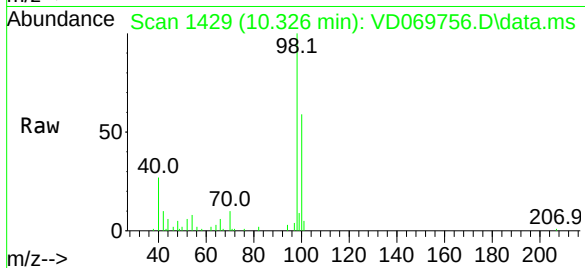




#51
4-Methyl-2-Pentanone
Concen: 1.385 ug/l
RT: 10.326 min Scan# 1429
Delta R.T. 0.100 min
Lab File: VD069756.D
Acq: 19 Jul 2021 17:18

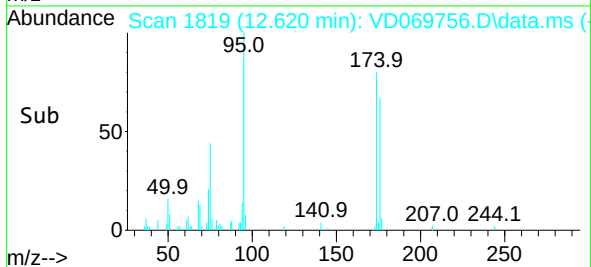
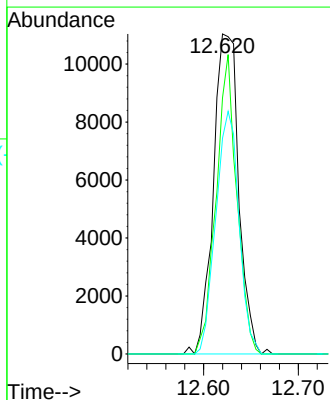
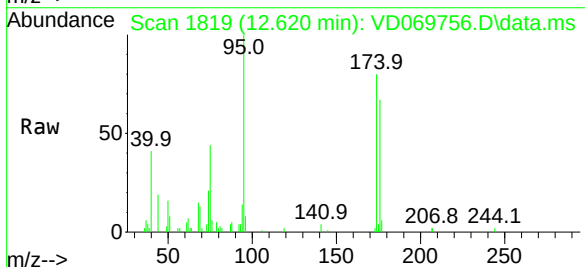
Instrument :
MSVOA_D
ClientSampled :

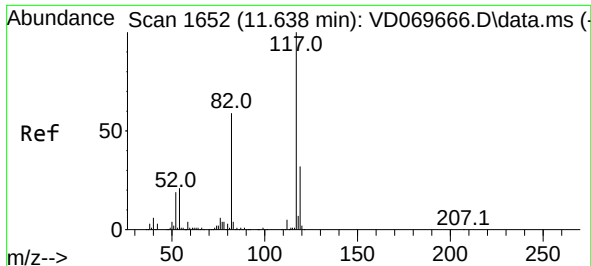
Tgt Ion: 43 Resp: 184
Ion Ratio Lower Upper
43 100
58 151.6 33.5 50.3#



#62
4-Bromofluorobenzene
Concen: 65.864 ug/l
RT: 12.620 min Scan# 1819
Delta R.T. -0.006 min
Lab File: VD069756.D
Acq: 19 Jul 2021 17:18

Tgt Ion: 95 Resp: 20553
Ion Ratio Lower Upper
95 100
174 76.4 0.0 140.0
176 69.3 0.0 136.2

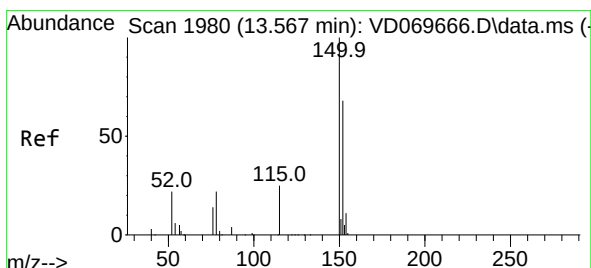
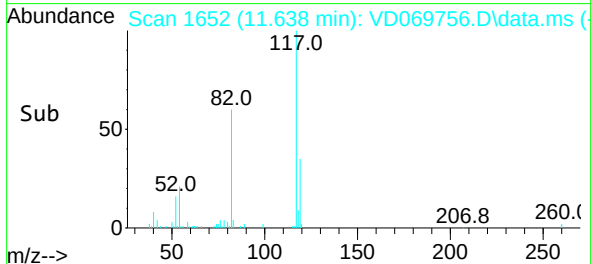
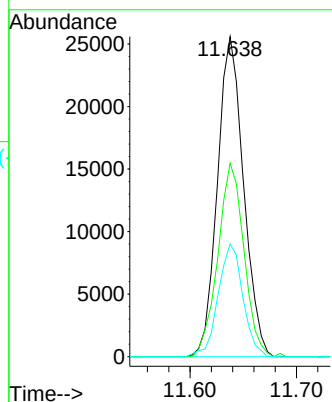
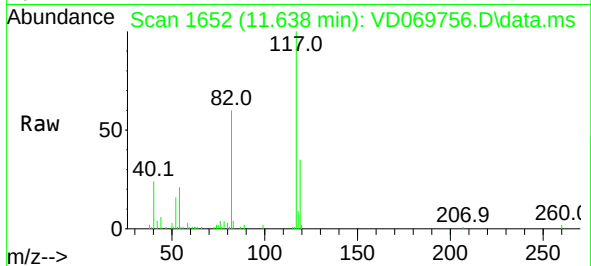




#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.638 min Scan# 1652
Delta R.T. -0.000 min
Lab File: VD069756.D
Acq: 19 Jul 2021 17:18

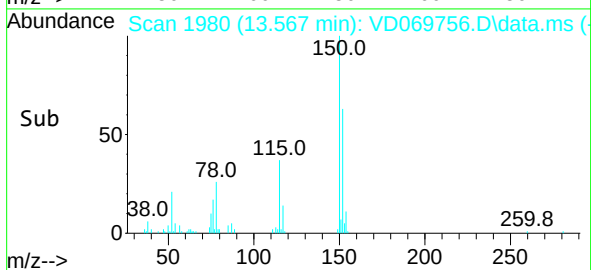
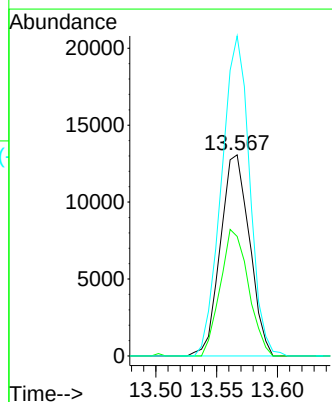
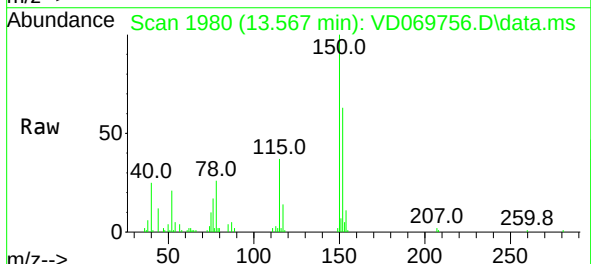
Instrument :
MSVOA_D
ClientSampleId :

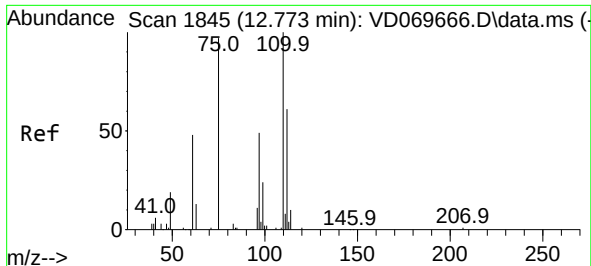
Tgt Ion:	117	Resp:	43544
Ion Ratio	Lower	Upper	
117	100		
82	60.5	47.4	71.2
119	35.3	25.5	38.3



#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 13.567 min Scan# 1980
Delta R.T. -0.000 min
Lab File: VD069756.D
Acq: 19 Jul 2021 17:18

Tgt Ion:	152	Resp:	21745
Ion Ratio	Lower	Upper	
152	100		
115	60.7	31.7	95.1
150	154.0	0.0	350.4

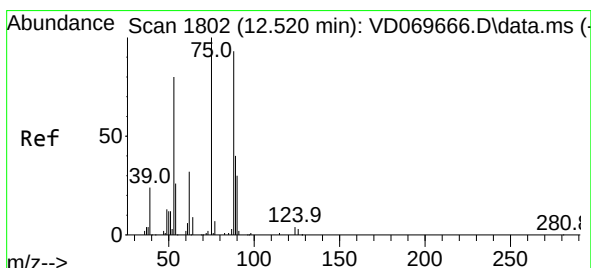
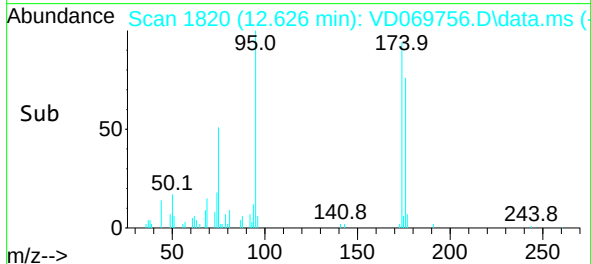
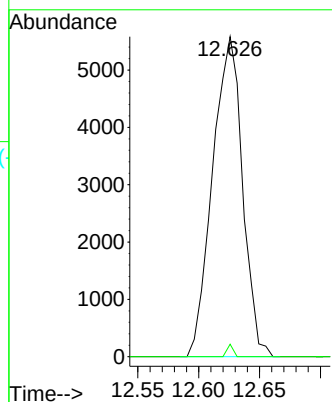
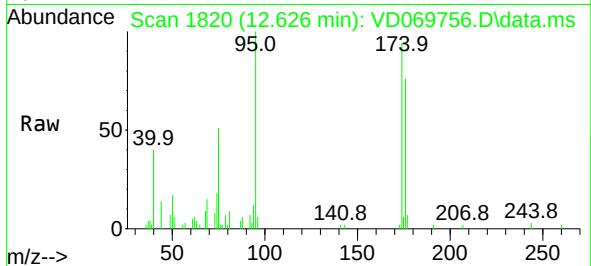




#76
1,2,3-Trichloropropane
Concen: 45.222 ug/l
RT: 12.626 min Scan# 1820
Delta R.T. -0.147 min
Lab File: VD069756.D
Acq: 19 Jul 2021 17:18

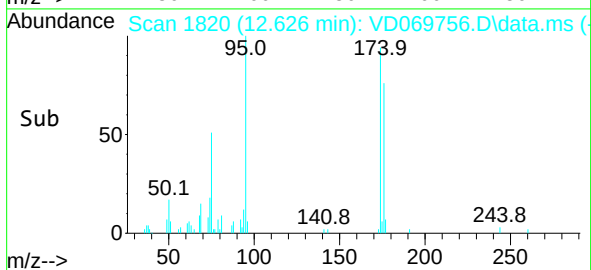
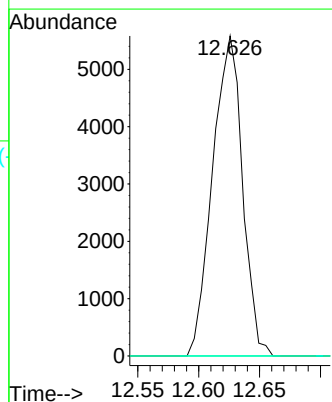
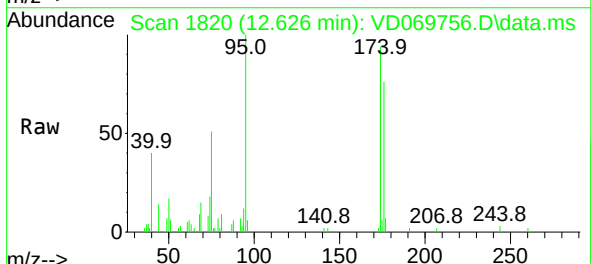
Instrument :
MSVOA_D
ClientSampleId :

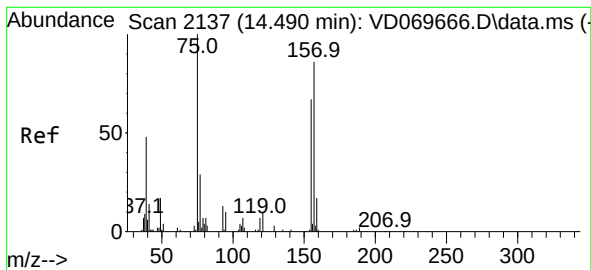
Tgt Ion: 75 Resp: 9553
Ion Ratio Lower Upper
75 100
77 0.8 0.0 0.0#



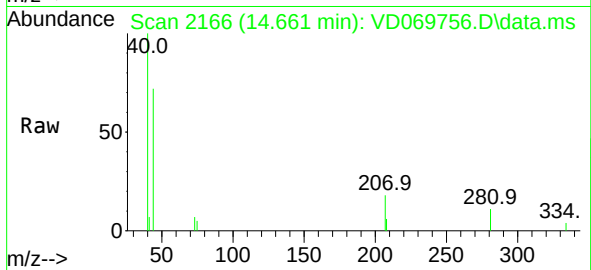
#81
trans-1,4-Dichloro-2-butene
Concen: 121.532 ug/l
RT: 12.626 min Scan# 1820
Delta R.T. 0.106 min
Lab File: VD069756.D
Acq: 19 Jul 2021 17:18

Tgt Ion: 75 Resp: 9553
Ion Ratio Lower Upper
75 100
53 0.0 70.6 106.0#
89 0.0 35.1 52.7#

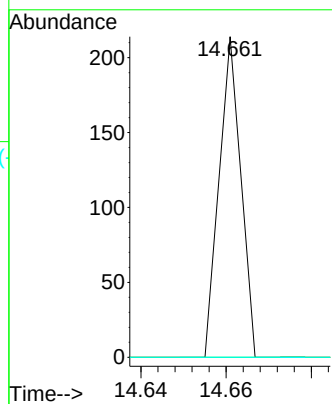
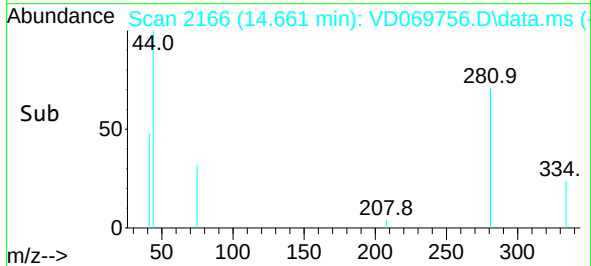




#92
1,2-Dibromo-3-Chloropropane
Concen: 1.654 ug/l
RT: 14.661 min Scan# 2166
Delta R.T. 0.171 min
Lab File: VD069756.D
Acq: 19 Jul 2021 17:18



Tgt Ion: 75 Resp: 76
Ion Ratio Lower Upper
75 100
155 0.0 35.9 107.7#
157 0.0 45.6 136.9#



Instrument :
MSVOA_D
ClientSampleId :