

Data Path : Z:\voasrv\HPCHEM1\MSVOA_D\Data\VD072121\
 Data File : VD069798.D
 Acq On : 21 Jul 2021 18:37
 Operator : VA/SY
 Sample : M3089-03
 Misc : 6.84G/5.00ml/MSVOA_D/SOIL
 ALS Vial : 19 Sample Multiplier: 1

Instrument :
 MSVOA_D
 ClientSampleId :

Quant Time: Jul 22 03:43:22 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)

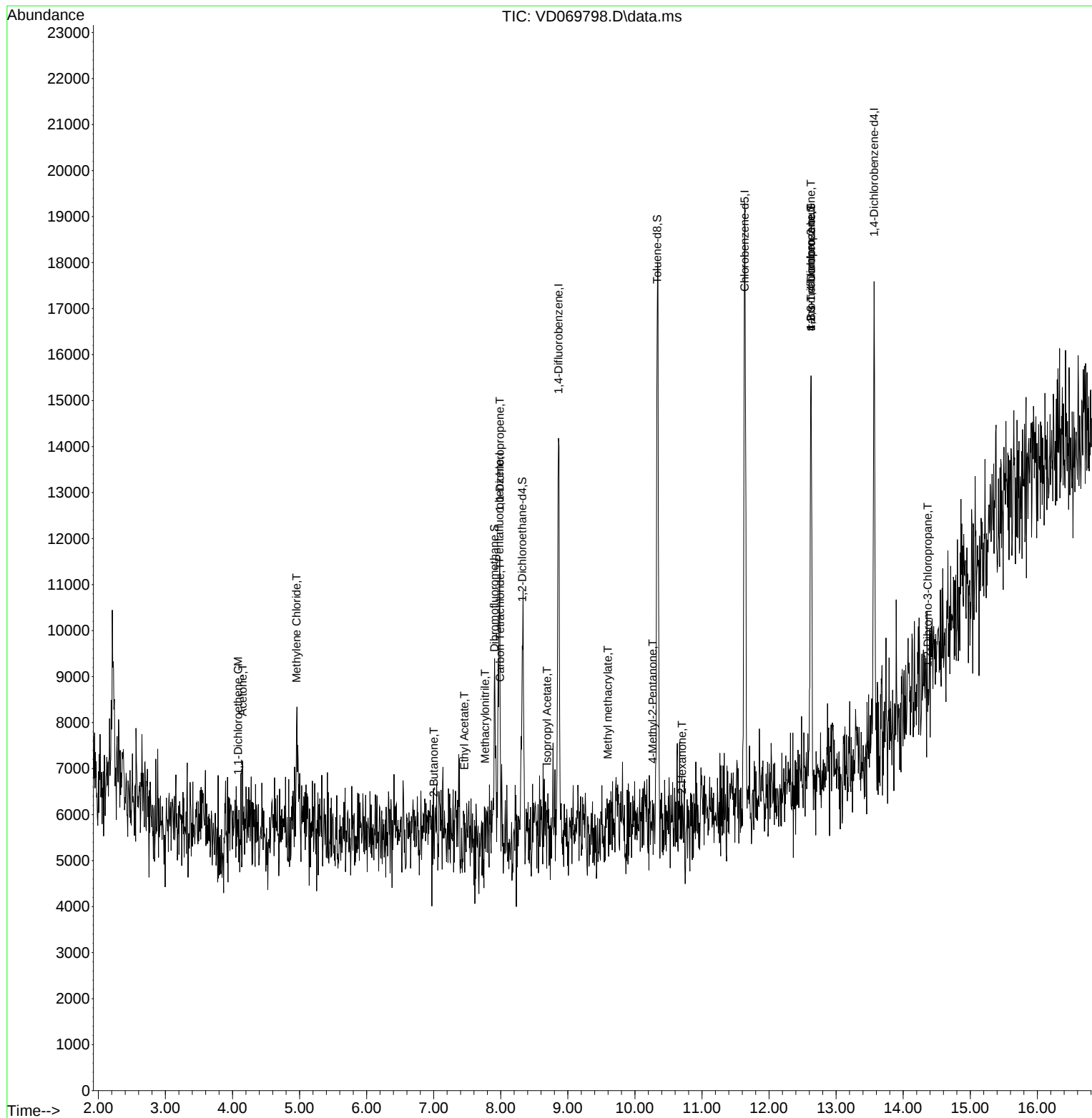
Internal Standards						
1) Pentafluorobenzene	7.979	168	4771	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	8.861	114	7486	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.638	117	8694	50.000	ug/l	# 0.00
72) 1,4-Dichlorobenzene-d4	13.567	152	2660	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.320	65	3534	59.323	ug/l	0.00
Spiked Amount 50.000	Range 50 - 163		Recovery = 118.640%			
35) Dibromofluoromethane	7.903	113	1505	29.967	ug/l	-0.01
Spiked Amount 50.000	Range 54 - 147		Recovery = 59.940%			
50) Toluene-d8	10.332	98	9422	48.290	ug/l	0.00
Spiked Amount 50.000	Range 49 - 140		Recovery = 96.580%			
62) 4-Bromofluorobenzene	12.626	95	3393	52.142	ug/l	0.00
Spiked Amount 50.000	Range 25 - 144		Recovery = 104.280%			
Target Compounds					Qvalue	
12) 1,1-Dichloroethene	4.085	96	65	1.249	ug/l #	1
16) Acetone	4.150	43	56	17.166	ug/l #	39
20) Methylene Chloride	4.956	84	1487	13.780	ug/l #	68
25) 2-Butanone	7.003	43	55	3.906	ug/l #	47
36) 1,1-Dichloropropene	7.985	75	285	3.690	ug/l #	42
37) Ethyl Acetate	7.456	43	137	4.690	ug/l #	67
38) Carbon Tetrachloride	7.991	117	76	1.075	ug/l #	13
41) Methacrylonitrile	7.767	41	139	9.181	ug/l #	43
43) Isopropyl Acetate	8.691	43	84	1.570	ug/l #	47
48) Methyl methacrylate	9.597	41	71	3.603	ug/l #	13
51) 4-Methyl-2-Pentanone	10.267	43	79	2.852	ug/l #	34
59) 2-Hexanone	10.702	43	55	2.979	ug/l #	22
76) 1,2,3-Trichloropropane	12.626	75	2271	87.883	ug/l #	100
81) trans-1,4-Dichloro-2-b...	12.626	75	2271	236.182	ug/l #	14
92) 1,2-Dibromo-3-Chloropr...	14.367	75	67	11.924	ug/l #	8

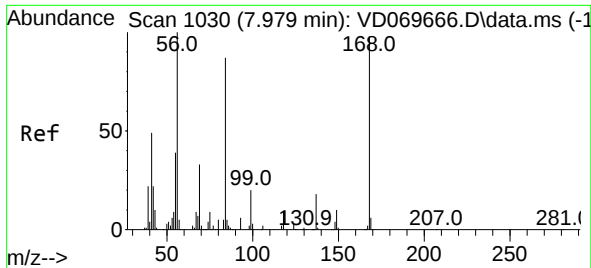
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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MSVOA_D
ClientSampled :

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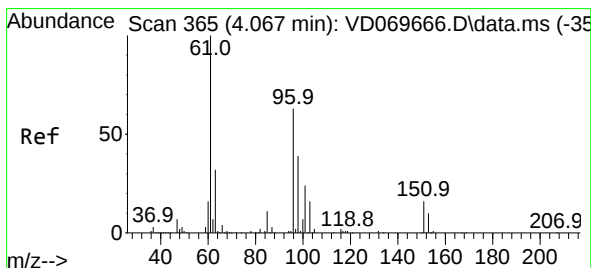
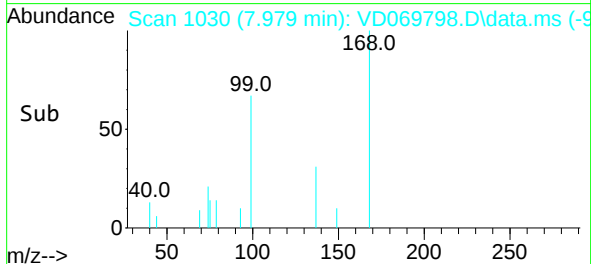
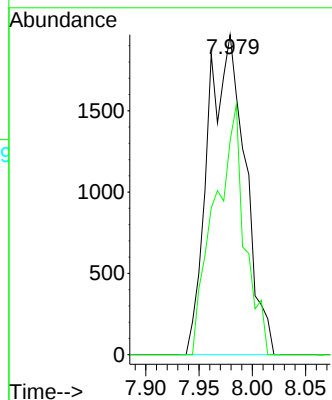
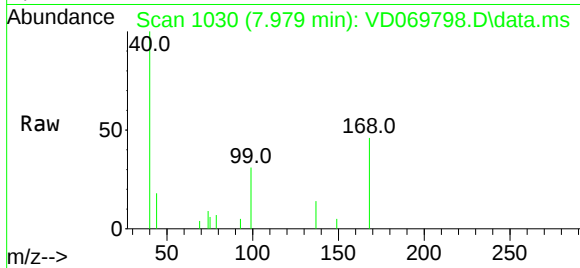




#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 7.979 min Scan# 1030
Delta R.T. 0.000 min
Lab File: VD069798.D
Acq: 21 Jul 2021 18:37

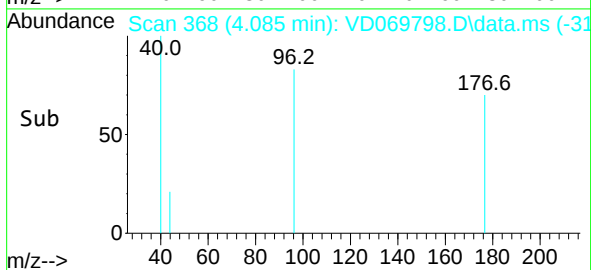
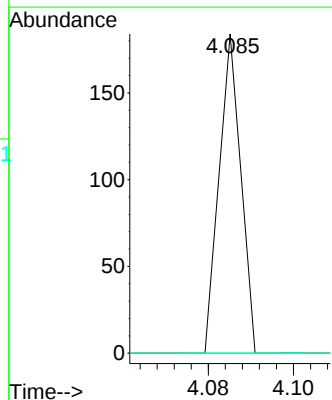
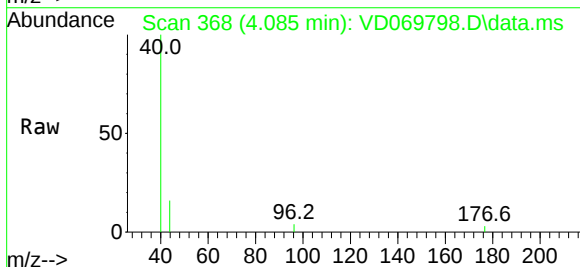
Instrument :
MSVOA_D
ClientSampled :

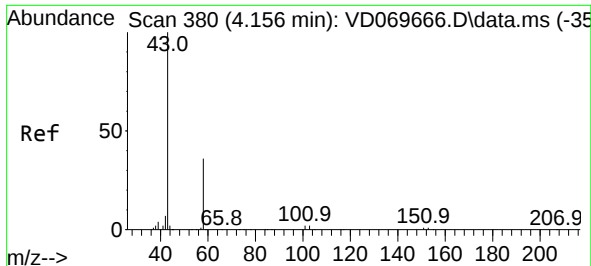
Tgt Ion:168 Resp: 4771
Ion Ratio Lower Upper
168 100
99 66.8 51.8 77.6



#12
1,1-Dichloroethene
Concen: 1.249 ug/l
RT: 4.085 min Scan# 368
Delta R.T. 0.018 min
Lab File: VD069798.D
Acq: 21 Jul 2021 18:37

Tgt Ion: 96 Resp: 65
Ion Ratio Lower Upper
96 100
61 0.0 126.4 189.6#
98 0.0 48.9 73.3#

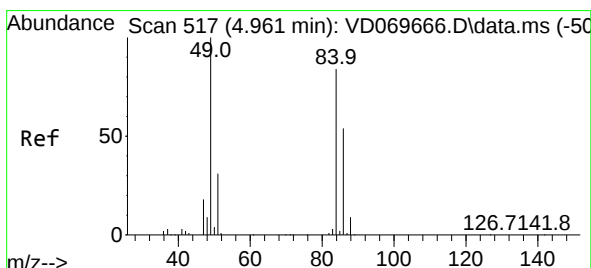
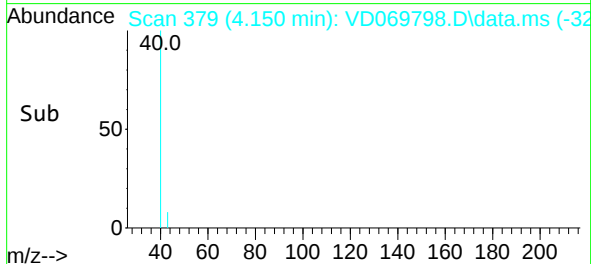
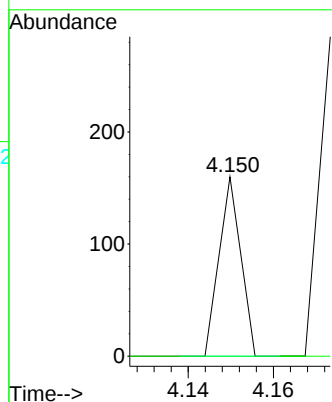
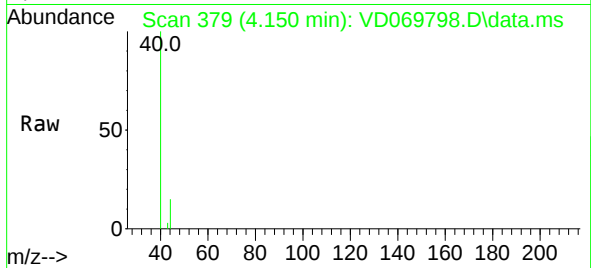




#16
Acetone
Concen: 17.166 ug/l
RT: 4.150 min Scan# 379
Delta R.T. -0.006 min
Lab File: VD069798.D
Acq: 21 Jul 2021 18:37

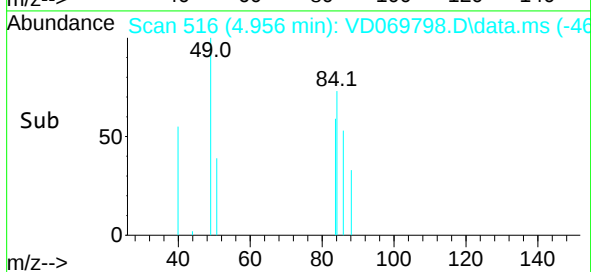
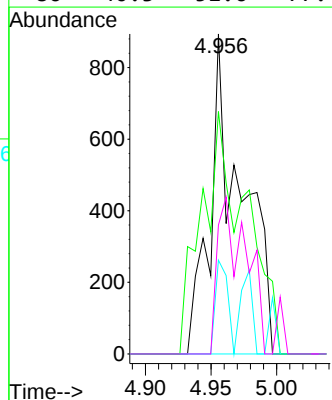
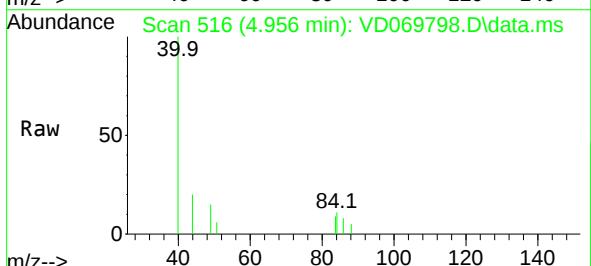
Instrument :
MSVOA_D
ClientSampled :

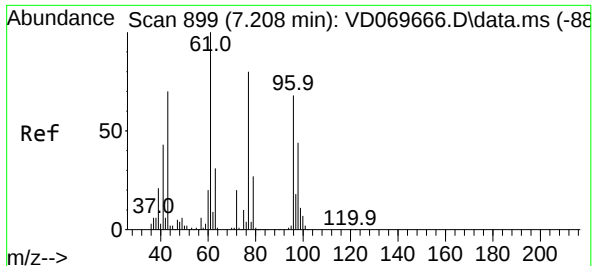
Tgt Ion: 43 Resp: 56
Ion Ratio Lower Upper
43 100
58 0.0 28.6 42.8#



#20
Methylene Chloride
Concen: 13.780 ug/l
RT: 4.956 min Scan# 516
Delta R.T. -0.005 min
Lab File: VD069798.D
Acq: 21 Jul 2021 18:37

Tgt Ion: 84 Resp: 1487
Ion Ratio Lower Upper
84 100
49 75.7 95.5 143.3#
51 29.3 29.7 44.5#
86 40.3 51.6 77.4#

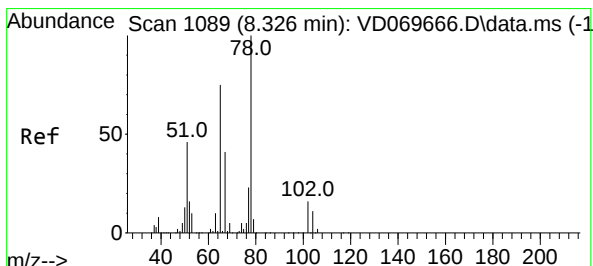
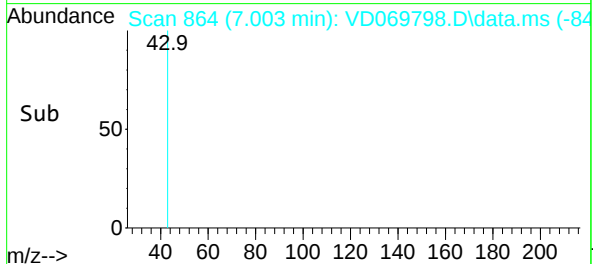
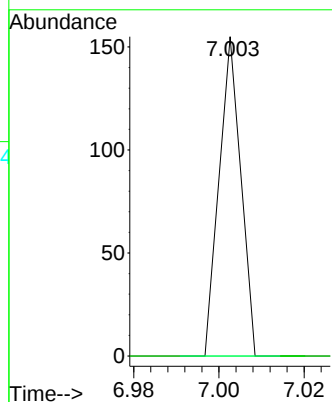
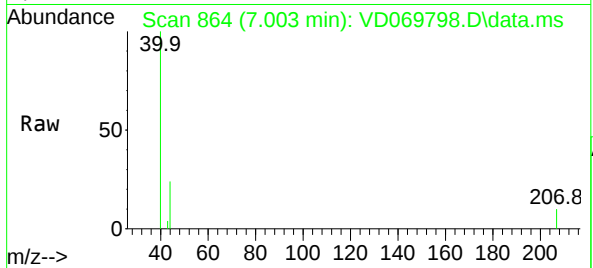




#25
2-Butanone
Concen: 3.906 ug/l
RT: 7.003 min Scan# 864
Delta R.T. -0.205 min
Lab File: VD069798.D
Acq: 21 Jul 2021 18:37

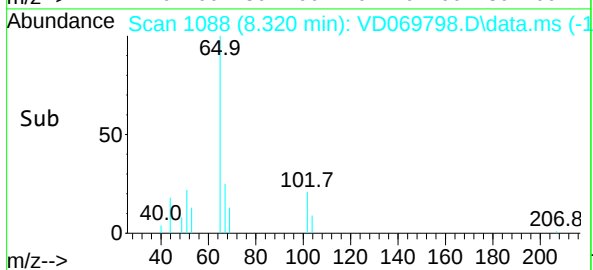
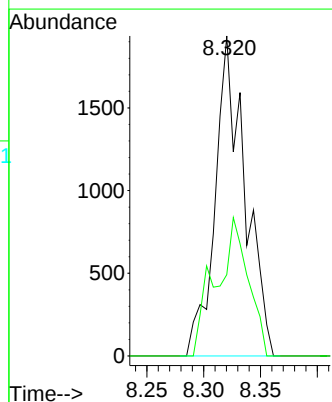
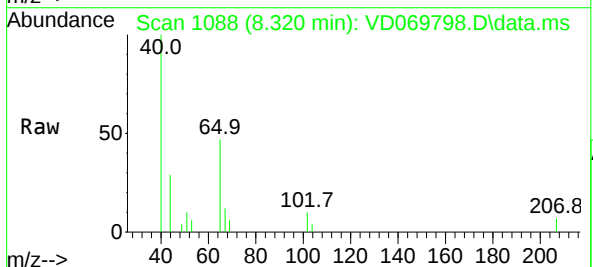
Instrument :
MSVOA_D
ClientSampled :

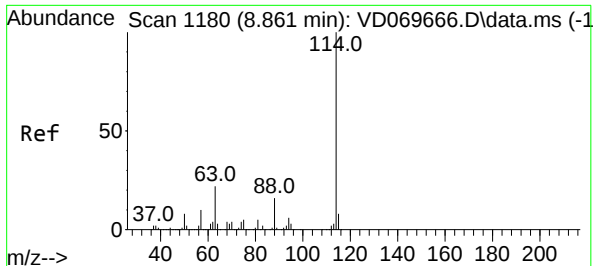
Tgt Ion: 43 Resp: 55
Ion Ratio Lower Upper
43 100
72 0.0 22.6 33.8#



#33
1,2-Dichloroethane-d4
Concen: 59.323 ug/l
RT: 8.320 min Scan# 1088
Delta R.T. -0.006 min
Lab File: VD069798.D
Acq: 21 Jul 2021 18:37

Tgt Ion: 65 Resp: 3534
Ion Ratio Lower Upper
65 100
67 47.2 0.0 107.2



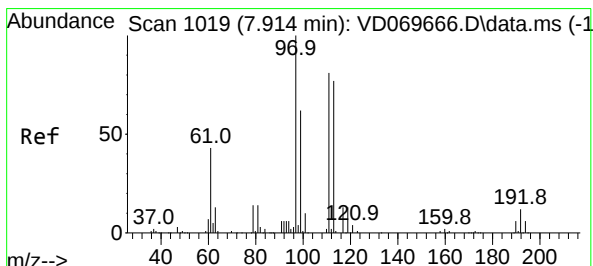
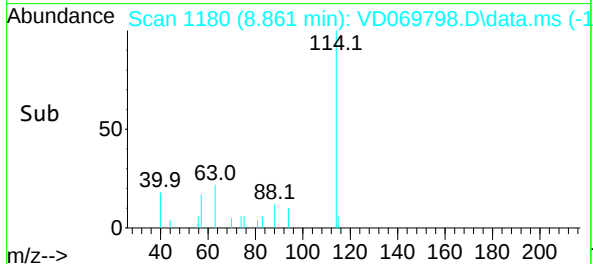
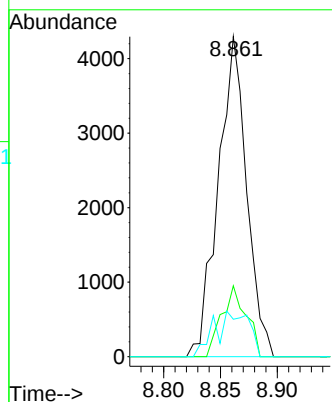
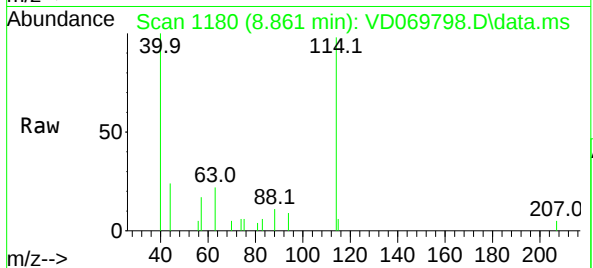


#34

1,4-Difluorobenzene
Concen: 50.000 ug/l
RT: 8.861 min Scan# 1180
Delta R.T. 0.000 min
Lab File: VD069798.D
Acq: 21 Jul 2021 18:37

Instrument :
MSVOA_D
ClientSampled :

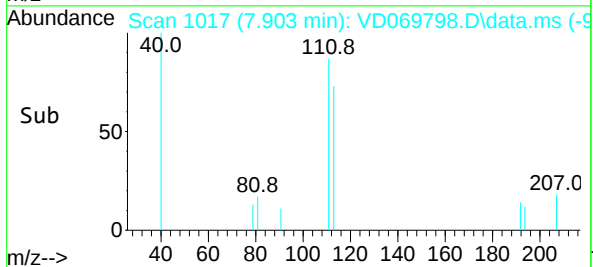
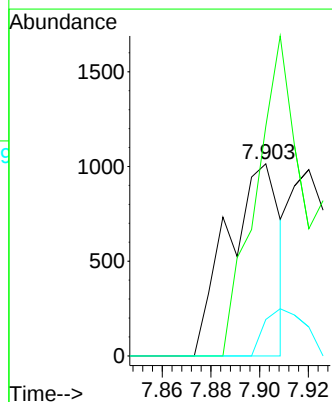
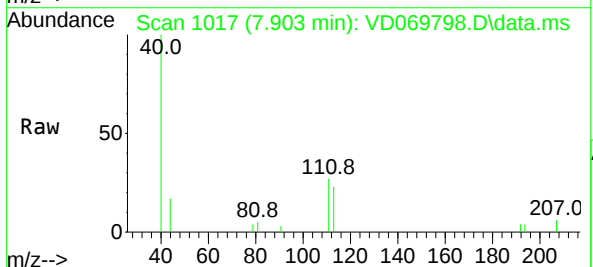
Tgt Ion:	114	Resp:	7486
Ion Ratio	Lower	Upper	
114	100		
63	22.1	0.0	43.4
88	11.7	0.0	32.0

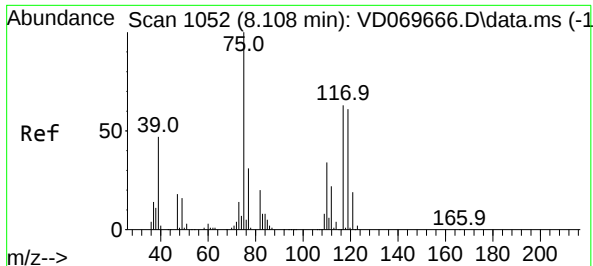


#35

Dibromofluoromethane
Concen: 29.967 ug/l
RT: 7.903 min Scan# 1017
Delta R.T. -0.011 min
Lab File: VD069798.D
Acq: 21 Jul 2021 18:37

Tgt Ion:	113	Resp:	1505
Ion Ratio	Lower	Upper	
113	100		
111	170.4	82.6	123.8#
192	19.0	12.7	19.1

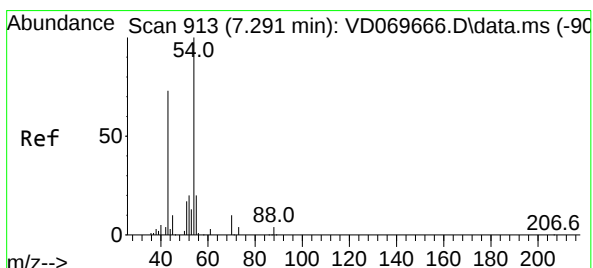
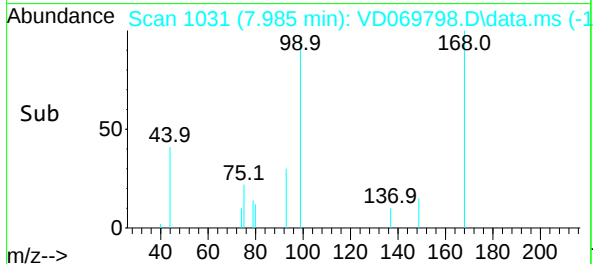
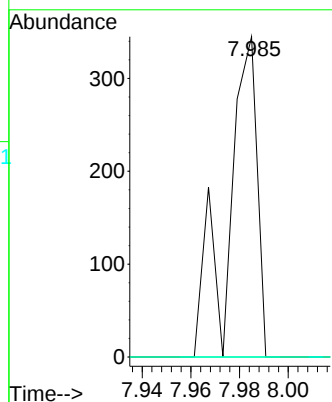
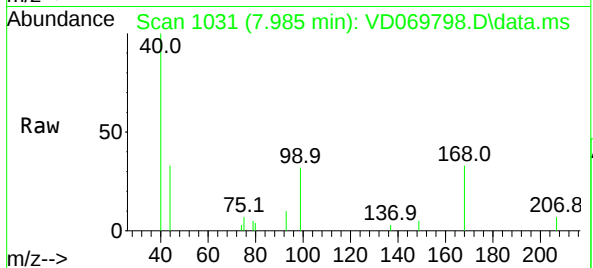




#36
1,1-Dichloropropene
Concen: 3.690 ug/l
RT: 7.985 min Scan# 1031
Delta R.T. -0.123 min
Lab File: VD069798.D
Acq: 21 Jul 2021 18:37

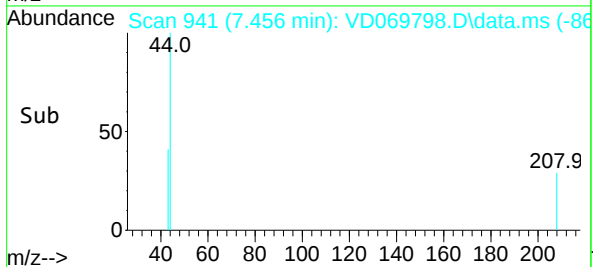
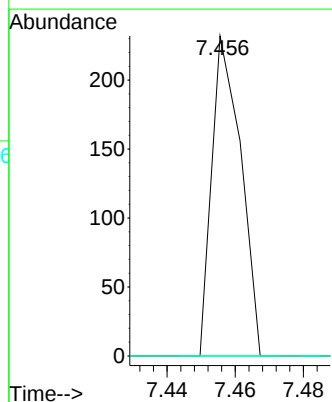
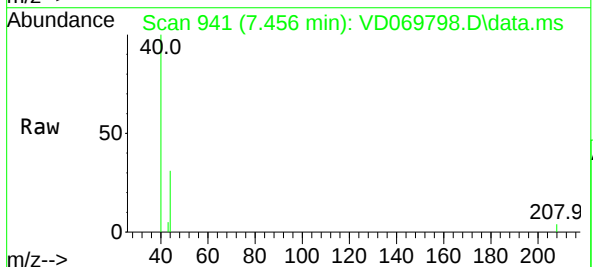
Instrument :
MSVOA_D
ClientSampled :

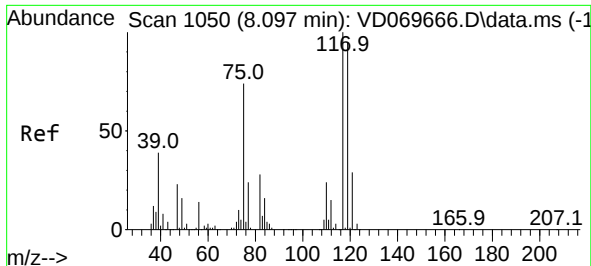
Tgt Ion: 75 Resp: 285
Ion Ratio Lower Upper
75 100
110 0.0 16.7 50.0#
77 0.0 25.3 37.9#



#37
Ethyl Acetate
Concen: 4.690 ug/l
RT: 7.456 min Scan# 941
Delta R.T. 0.165 min
Lab File: VD069798.D
Acq: 21 Jul 2021 18:37

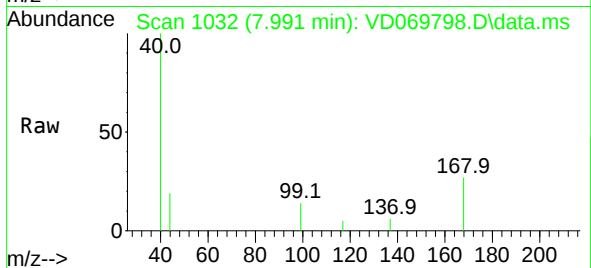
Tgt Ion: 43 Resp: 137
Ion Ratio Lower Upper
43 100
61 0.0 12.1 18.1#
70 0.0 8.4 12.6#



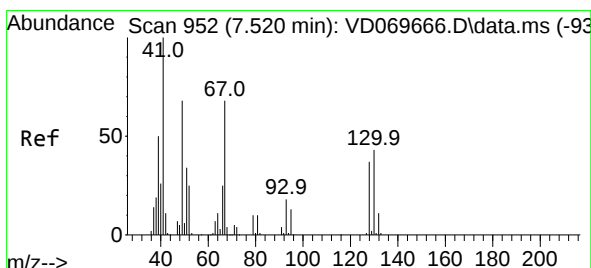
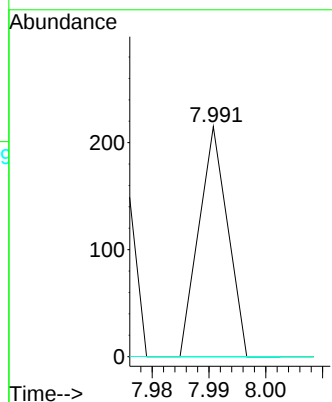
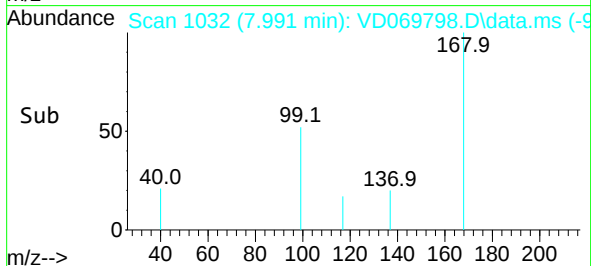


#38
Carbon Tetrachloride
Concen: 1.075 ug/l
RT: 7.991 min Scan# 1032
Delta R.T. -0.106 min
Lab File: VD069798.D
Acq: 21 Jul 2021 18:37

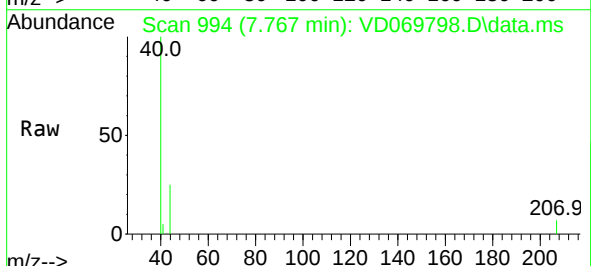
Instrument :
MSVOA_D
ClientSampled :



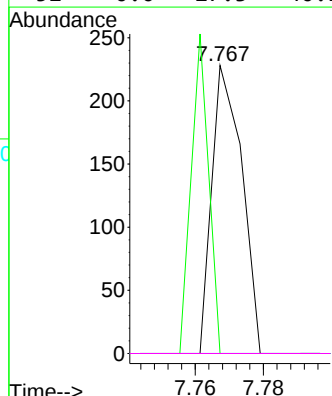
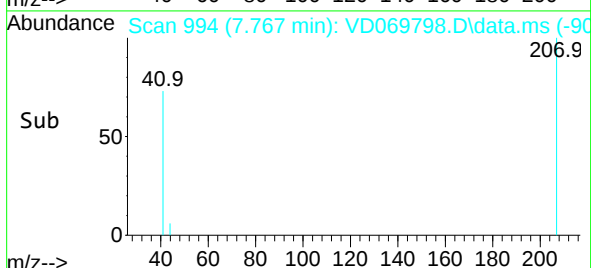
Tgt Ion:117 Resp: 76
Ion Ratio Lower Upper
117 100
119 0.0 75.7 113.5#
121 0.0 23.0 34.6#

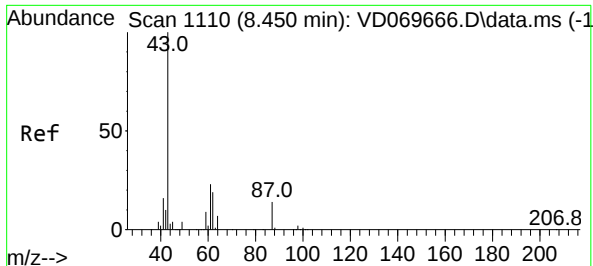


#41
Methacrylonitrile
Concen: 9.181 ug/l
RT: 7.767 min Scan# 994
Delta R.T. 0.247 min
Lab File: VD069798.D
Acq: 21 Jul 2021 18:37



Tgt Ion: 41 Resp: 139
Ion Ratio Lower Upper
41 100
39 64.0 47.4 71.0
67 0.0 67.0 100.6#
52 0.0 27.3 40.9#

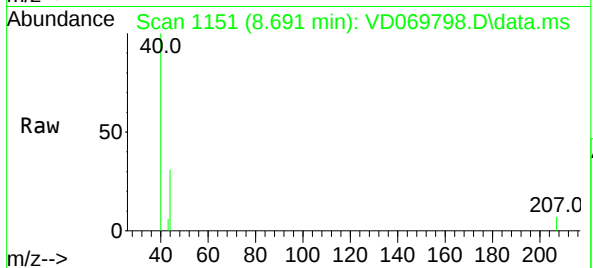




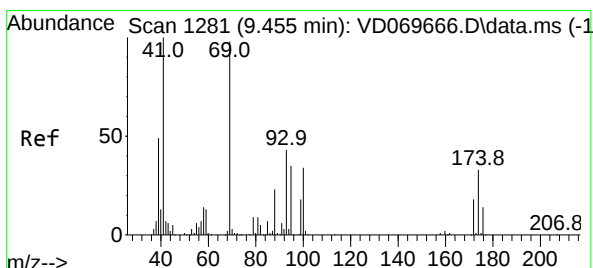
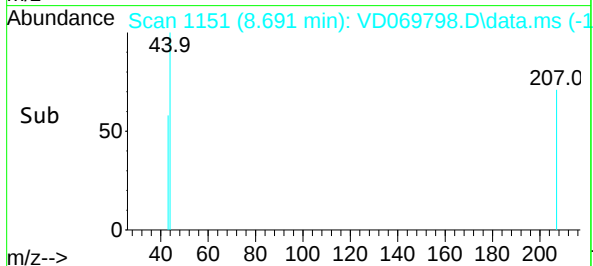
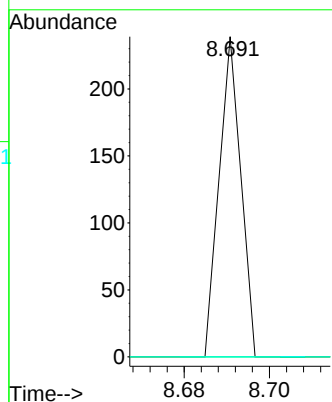
#43

Isopropyl Acetate
Concen: 1.570 ug/l
RT: 8.691 min Scan# 1151
Delta R.T. 0.241 min
Lab File: VD069798.D
Acq: 21 Jul 2021 18:37

Instrument :
MSVOA_D
ClientSampled :



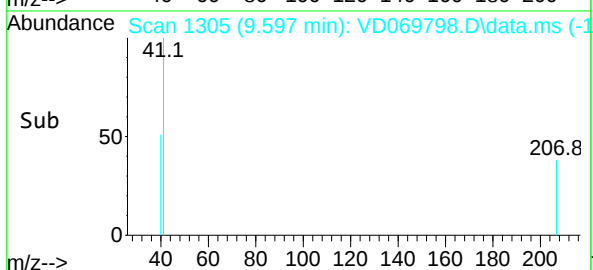
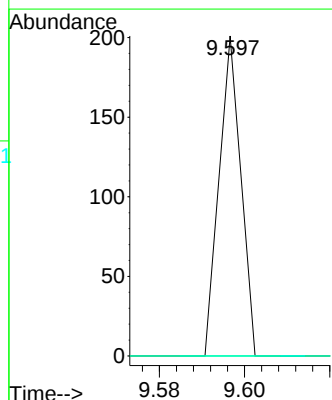
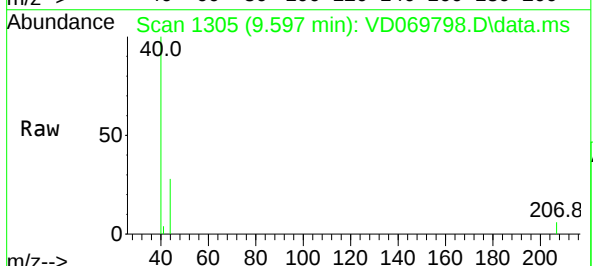
Tgt Ion:	43	Resp:	84
Ion	Ratio	Lower	Upper
43	100		
61	0.0	27.8	41.6#
87	0.0	11.0	16.6#

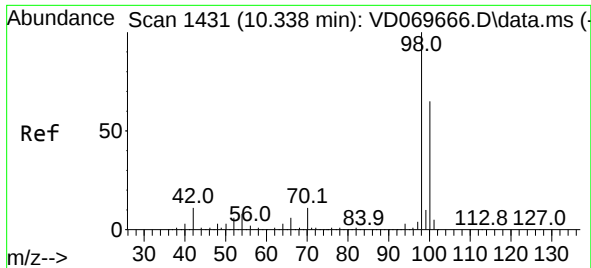


#48

Methyl methacrylate
Concen: 3.603 ug/l
RT: 9.597 min Scan# 1305
Delta R.T. 0.142 min
Lab File: VD069798.D
Acq: 21 Jul 2021 18:37

Tgt Ion:	41	Resp:	71
Ion	Ratio	Lower	Upper
41	100		
69	0.0	71.6	107.4#
39	0.0	36.7	55.1#

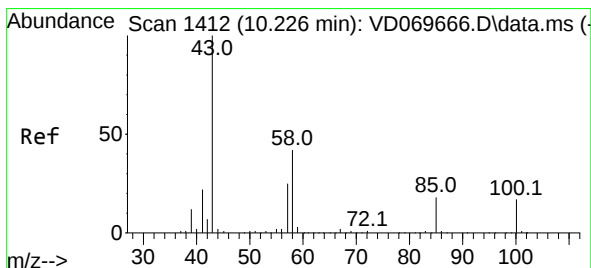
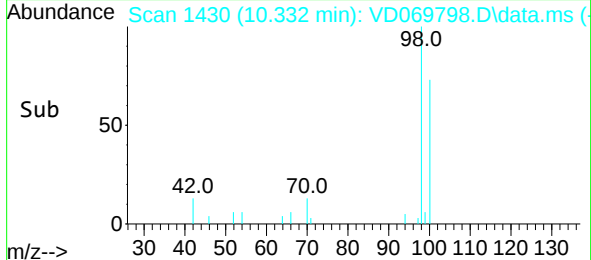
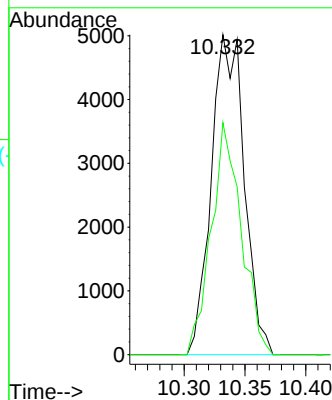
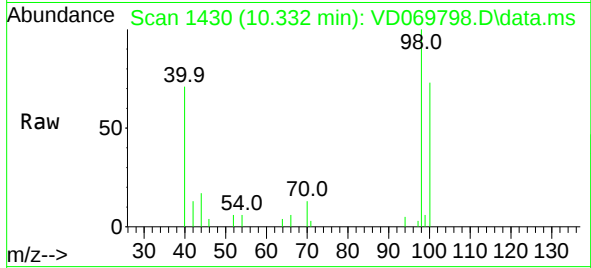




#50
Toluene-d8
Concen: 48.290 ug/l
RT: 10.332 min Scan# 1430
Delta R.T. -0.006 min
Lab File: VD069798.D
Acq: 21 Jul 2021 18:37

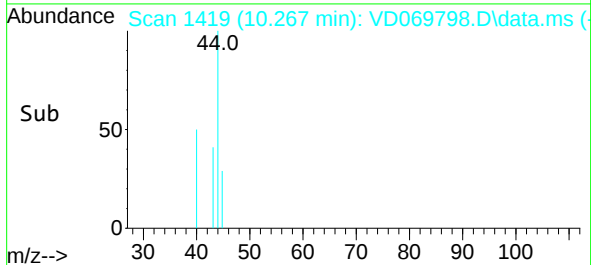
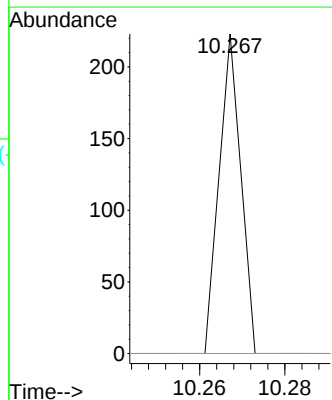
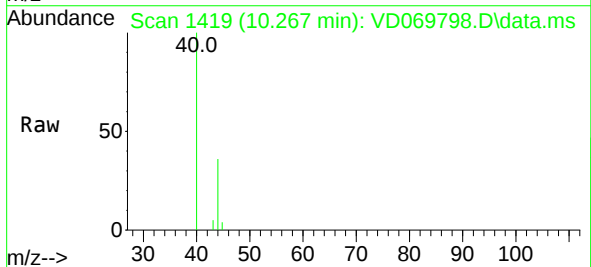
Instrument :
MSVOA_D
ClientSampled :

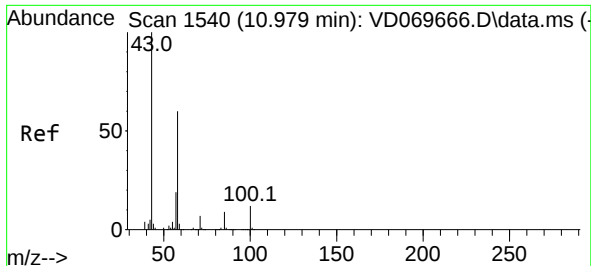
Tgt Ion: 98 Resp: 9422
Ion Ratio Lower Upper
98 100
100 66.4 52.2 78.2



#51
4-Methyl-2-Pentanone
Concen: 2.852 ug/l
RT: 10.267 min Scan# 1419
Delta R.T. 0.041 min
Lab File: VD069798.D
Acq: 21 Jul 2021 18:37

Tgt Ion: 43 Resp: 79
Ion Ratio Lower Upper
43 100
58 0.0 33.5 50.3#

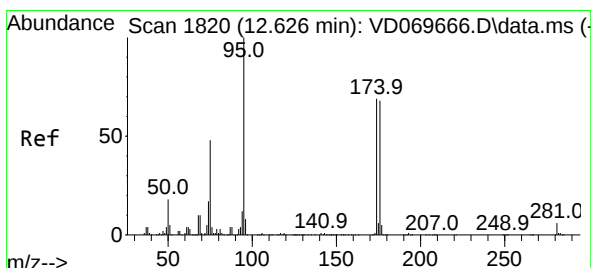
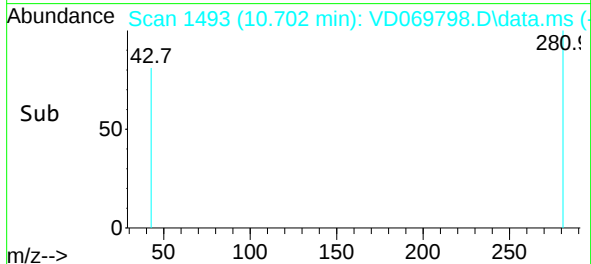
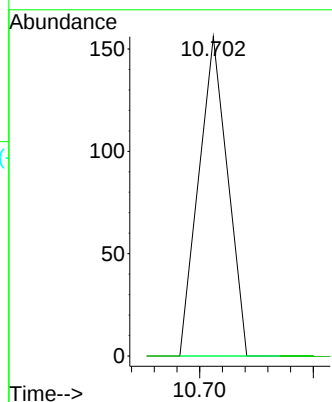
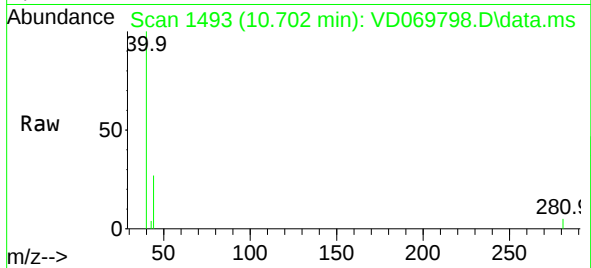




#59
2-Hexanone
Concen: 2.979 ug/l
RT: 10.702 min Scan# 1493
Delta R.T. -0.277 min
Lab File: VD069798.D
Acq: 21 Jul 2021 18:37

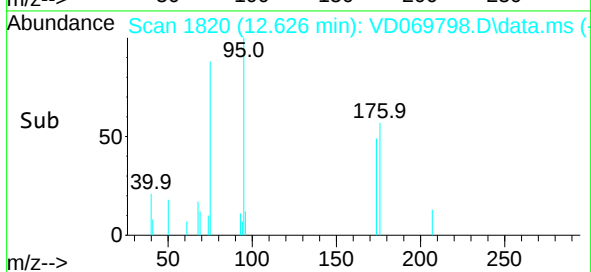
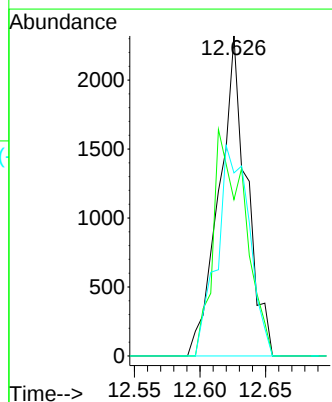
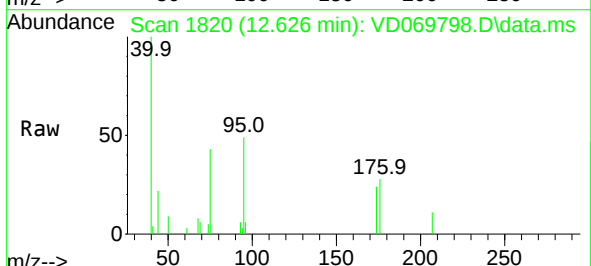
Instrument :
MSVOA_D
ClientSampled :

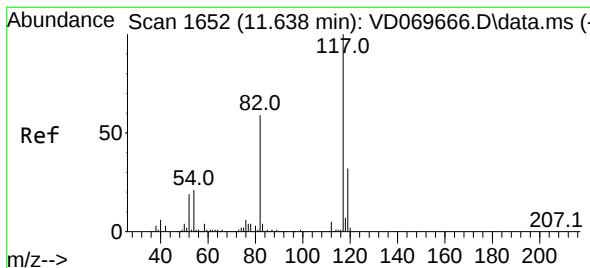
Tgt Ion: 43 Resp: 55
Ion Ratio Lower Upper
43 100
58 0.0 29.1 87.4#



#62
4-Bromofluorobenzene
Concen: 52.142 ug/l
RT: 12.626 min Scan# 1820
Delta R.T. -0.000 min
Lab File: VD069798.D
Acq: 21 Jul 2021 18:37

Tgt Ion: 95 Resp: 3393
Ion Ratio Lower Upper
95 100
174 80.5 0.0 140.0
176 76.5 0.0 136.2

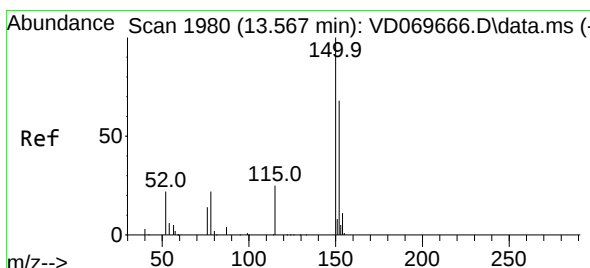
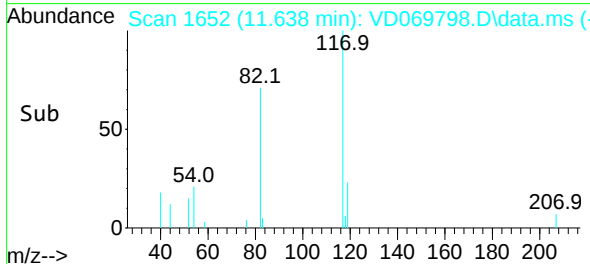
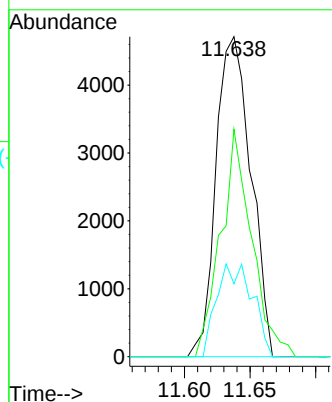
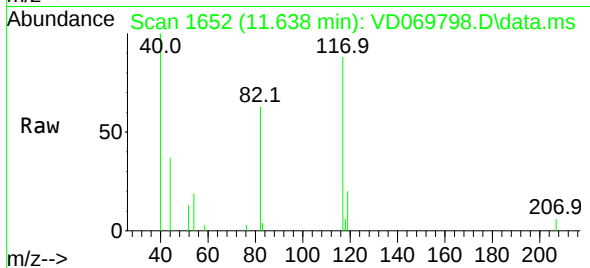




#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.638 min Scan# 1652
Delta R.T. -0.000 min
Lab File: VD069798.D
Acq: 21 Jul 2021 18:37

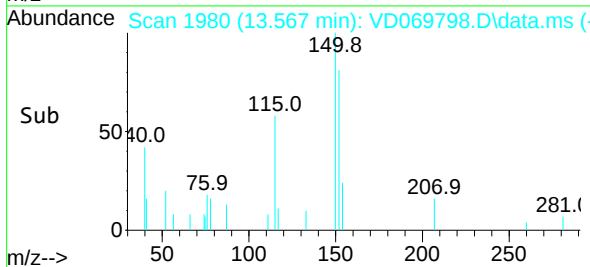
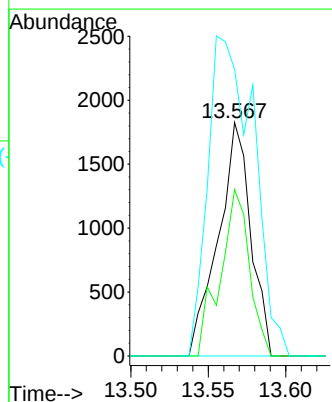
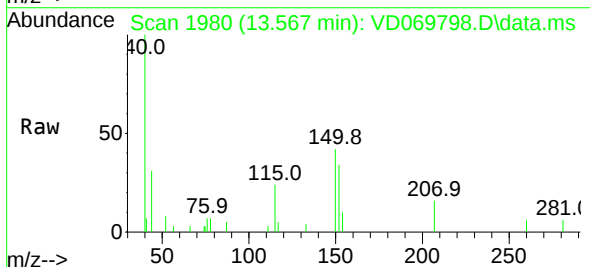
Instrument :
MSVOA_D
ClientSampleId :

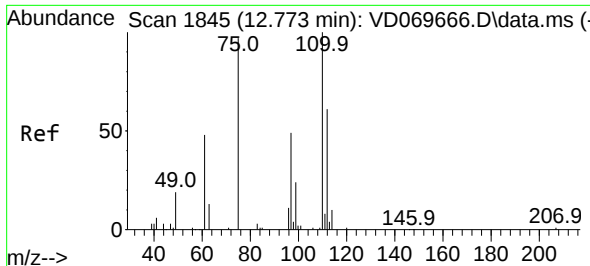
Tgt Ion:117 Resp: 8694
Ion Ratio Lower Upper
117 100
82 71.0 47.4 71.2
119 22.8 25.5 38.3#



#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 13.567 min Scan# 1980
Delta R.T. -0.000 min
Lab File: VD069798.D
Acq: 21 Jul 2021 18:37

Tgt Ion:152 Resp: 2660
Ion Ratio Lower Upper
152 100
115 63.9 31.7 95.1
150 192.3 0.0 350.4

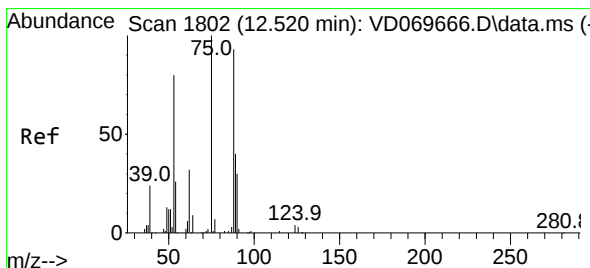
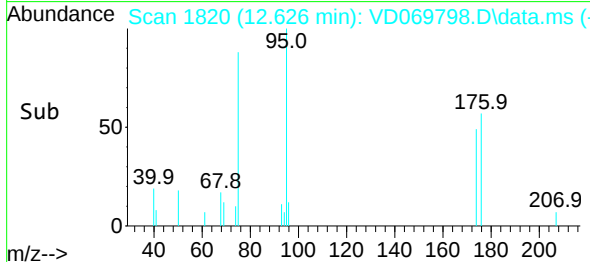
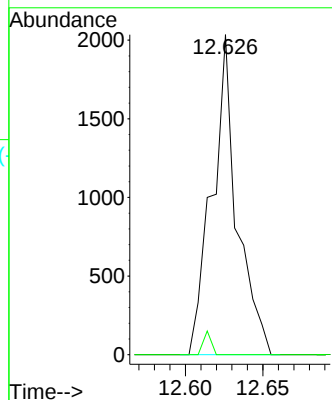
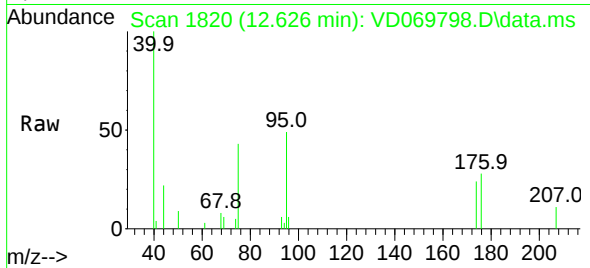




#76
1,2,3-Trichloropropane
Concen: 87.883 ug/l
RT: 12.626 min Scan# 1820
Delta R.T. -0.147 min
Lab File: VD069798.D
Acq: 21 Jul 2021 18:37

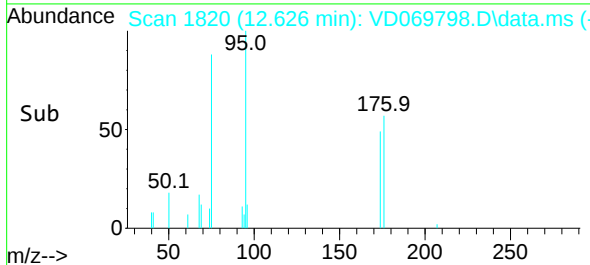
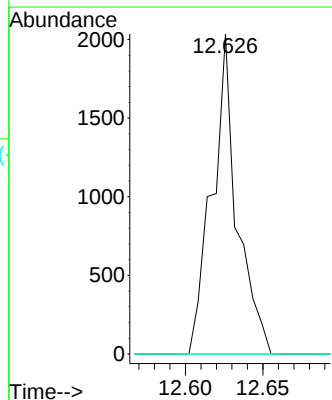
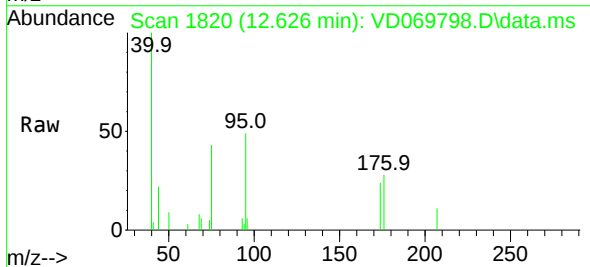
Instrument :
MSVOA_D
ClientSampled :

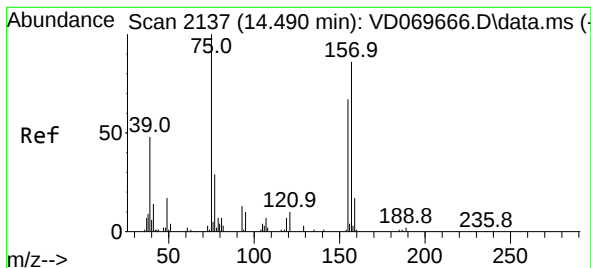
Tgt Ion: 75 Resp: 2271
Ion Ratio Lower Upper
75 100
77 2.3 0.0 0.0#



#81
trans-1,4-Dichloro-2-butene
Concen: 236.182 ug/l
RT: 12.626 min Scan# 1820
Delta R.T. 0.106 min
Lab File: VD069798.D
Acq: 21 Jul 2021 18:37

Tgt Ion: 75 Resp: 2271
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: 11.924 ug/l

RT: 14.367 min Scan# 2116

Delta R.T. -0.123 min

Lab File: VD069798.D

Acq: 21 Jul 2021 18:37

Tgt Ion: 75 Resp: 67

Ion Ratio Lower Upper

75 100

155 0.0 35.9 107.7#

157 0.0 45.6 136.9#

Instrument :

MSVOA_D

ClientSampleId :

