

Data Path : Z:\voasrv\HPCHEM1\MSVOA_D\Data\VD080921\
 Data File : VD069998.D
 Acq On : 09 Aug 2021 16:01
 Operator : VA/SY
 Sample : M3307-01RE
 Misc : 5.10G/5.00ml/MSVOA_D/SOIL
 ALS Vial : 6 Sample Multiplier: 1

Instrument :
 MSVOA_D
 ClientSampleId :

Quant Time: Aug 10 07:03:44 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)

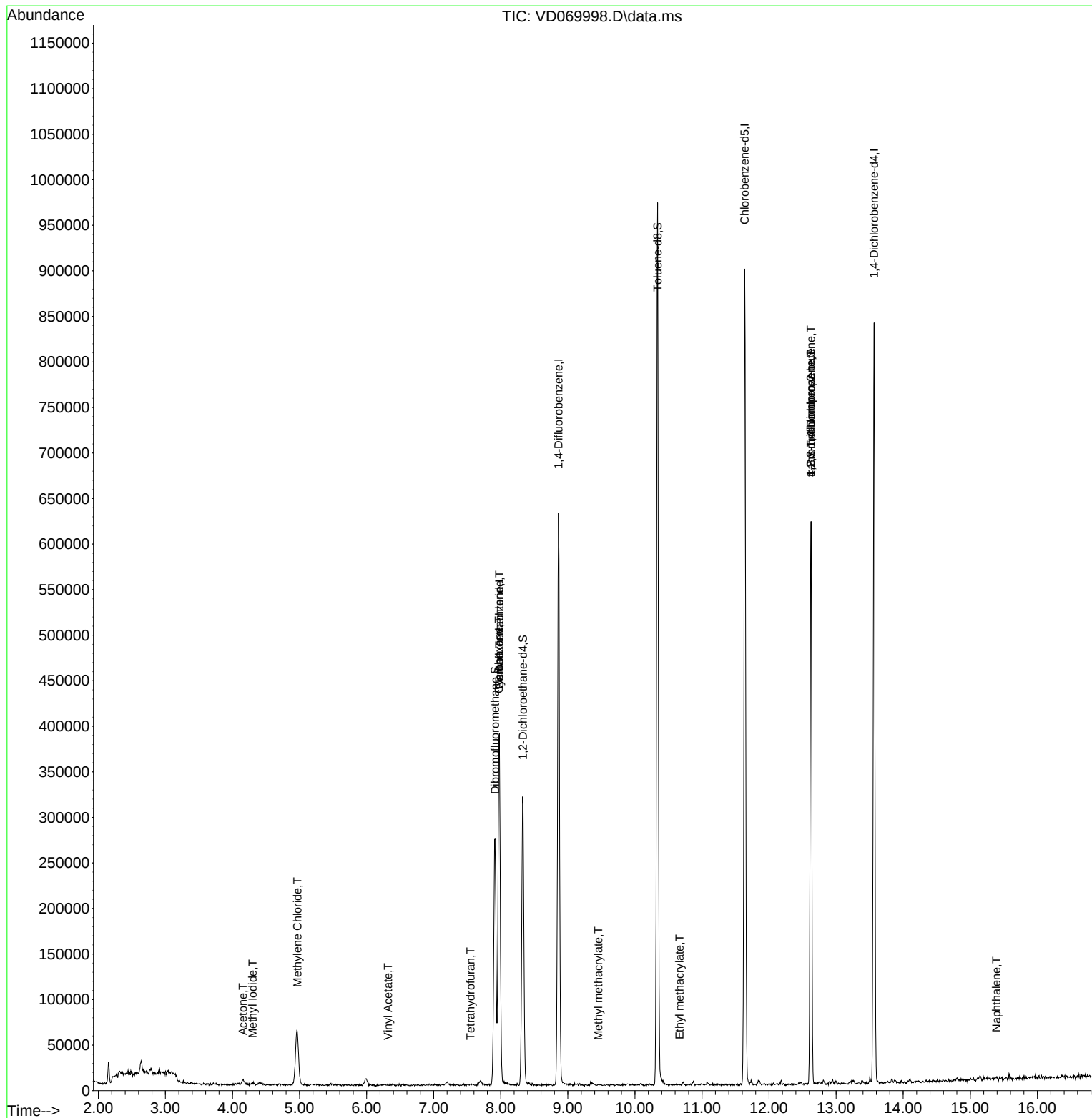
Internal Standards						
1) Pentafluorobenzene	7.979	168	277389	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	8.861	114	525814	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.638	117	520334	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.567	152	219402	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.332	65	247866	77.696	ug/l	0.00
Spiked Amount 50.000	Range 50 - 163		Recovery = 155.400%			
35) Dibromofluoromethane	7.914	113	200715	60.552	ug/l	0.00
Spiked Amount 50.000	Range 54 - 147		Recovery = 121.100%			
50) Toluene-d8	10.338	98	670425	52.453	ug/l	0.00
Spiked Amount 50.000	Range 49 - 140		Recovery = 104.900%			
62) 4-Bromofluorobenzene	12.626	95	221711	51.904	ug/l	0.00
Spiked Amount 50.000	Range 25 - 144		Recovery = 103.800%			
Target Compounds			Qvalue			
5) Bromomethane	2.785	94	4160	Below Cal		87
10) Methyl Iodide	4.303	142	4058	4.558 ug/l #		75
16) Acetone	4.156	43	9668	16.776 ug/l #		76
20) Methylene Chloride	4.967	84	48342	6.024 ug/l		97
23) Vinyl Acetate	6.320	43	297	20.398 ug/l #		71
29) Tetrahydrofuran	7.550	42	549	1.086 ug/l #		85
31) Cyclohexane	7.973	56	7995	1.283 ug/l #		16
38) Carbon Tetrachloride	7.979	117	30761	5.935 ug/l #		17
48) Methyl methacrylate	9.455	41	220	2.852 ug/l #		30
56) Ethyl methacrylate	10.667	69	155	3.934 ug/l #		1
76) 1,2,3-Trichloropropane	12.626	75	109144	46.801 ug/l #		1
81) trans-1,4-Dichloro-2-b...	12.626	75	109144	141.982 ug/l #		16
95) Naphthalene	15.390	128	3028	5.379 ug/l #		93

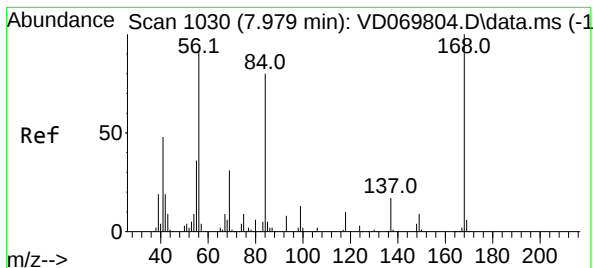
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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QLast Update : Fri Jul 23 04:51:13 2021
Response via : Initial Calibration

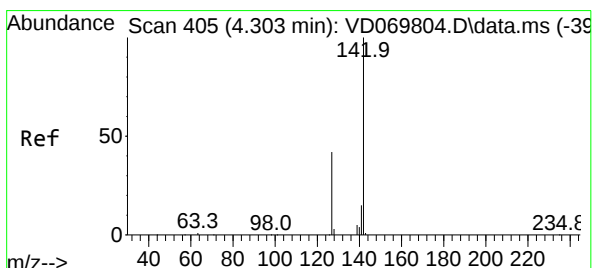
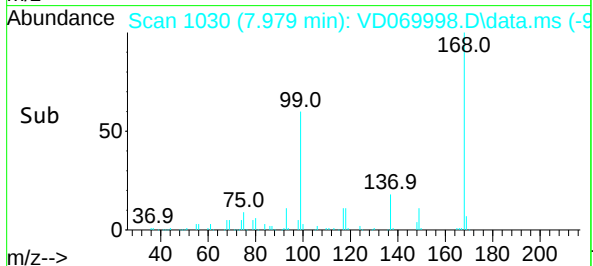
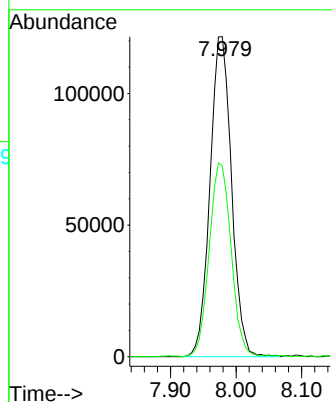
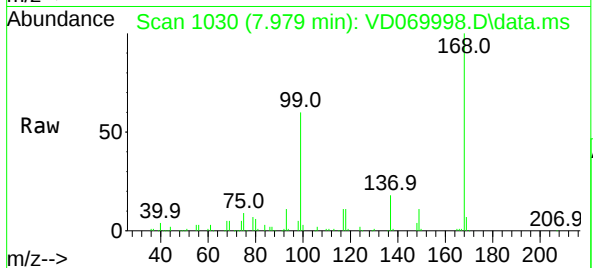




#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 7.979 min Scan# 1030
Delta R.T. -0.000 min
Lab File: VD069998.D
Acq: 09 Aug 2021 16:01

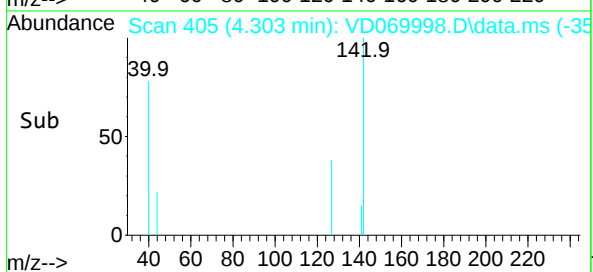
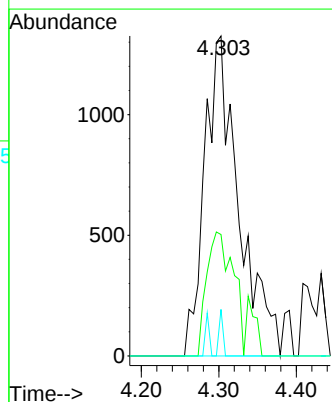
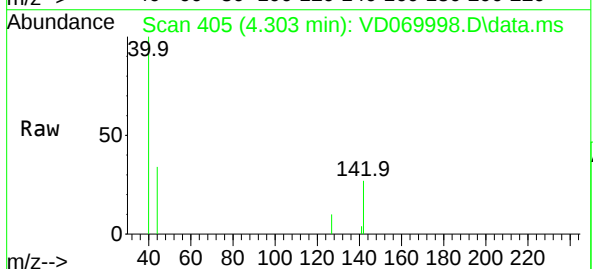
Instrument :
MSVOA_D
ClientSampled :

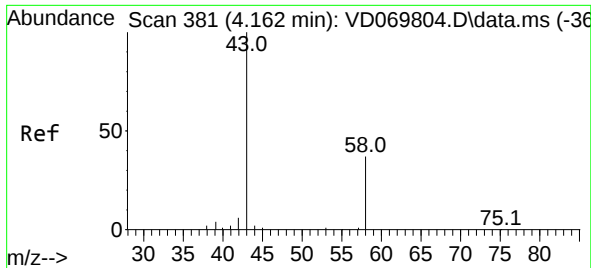
Tgt Ion:168 Resp: 277389
Ion Ratio Lower Upper
168 100
99 59.4 51.1 76.7



#10
Methyl Iodide
Concen: 4.558 ug/l
RT: 4.303 min Scan# 405
Delta R.T. -0.000 min
Lab File: VD069998.D
Acq: 09 Aug 2021 16:01

Tgt Ion:142 Resp: 4058
Ion Ratio Lower Upper
142 100
127 30.0 35.7 53.5#
141 1.7 12.0 18.0#

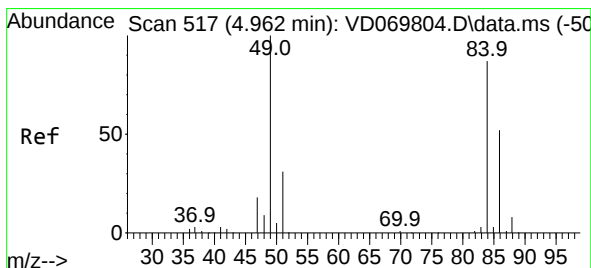
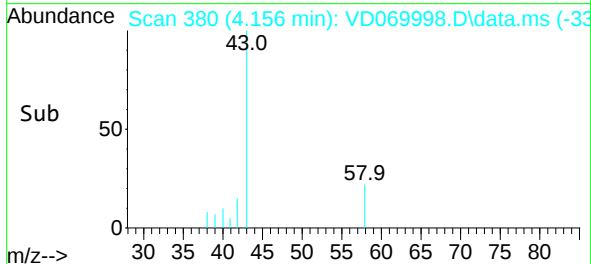
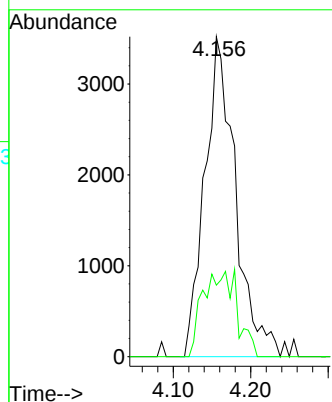
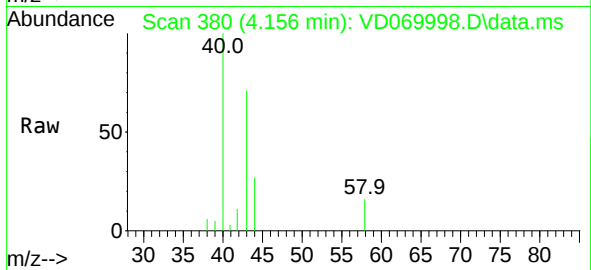




#16
Acetone
Concen: 16.776 ug/l
RT: 4.156 min Scan# 380
Delta R.T. -0.006 min
Lab File: VD069998.D
Acq: 09 Aug 2021 16:01

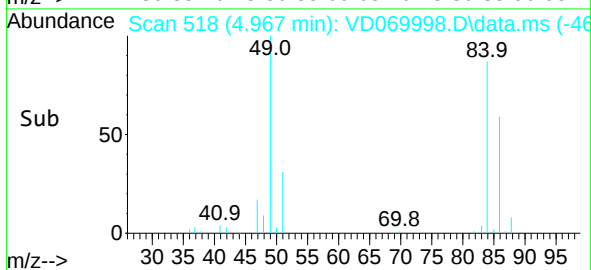
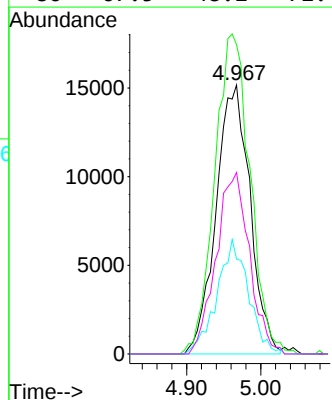
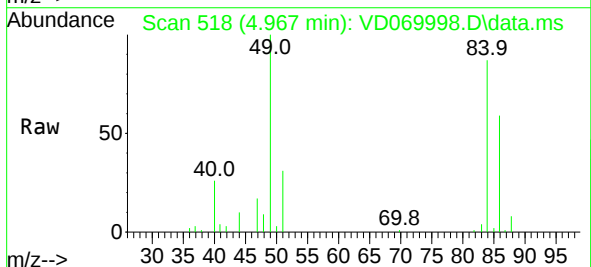
Instrument :
MSVOA_D
ClientSampled :

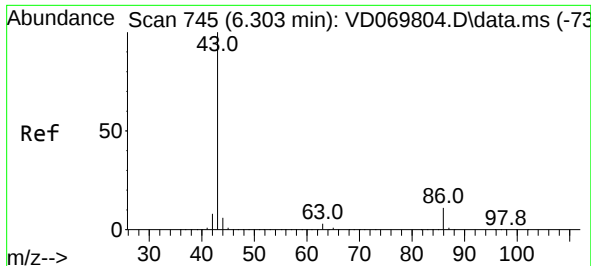
Tgt Ion: 43 Resp: 9668
Ion Ratio Lower Upper
43 100
58 22.3 29.4 44.0#



#20
Methylene Chloride
Concen: 6.024 ug/l
RT: 4.967 min Scan# 518
Delta R.T. 0.005 min
Lab File: VD069998.D
Acq: 09 Aug 2021 16:01

Tgt Ion: 84 Resp: 48342
Ion Ratio Lower Upper
84 100
49 115.1 92.4 138.6
51 35.3 28.5 42.7
86 67.5 48.2 72.4

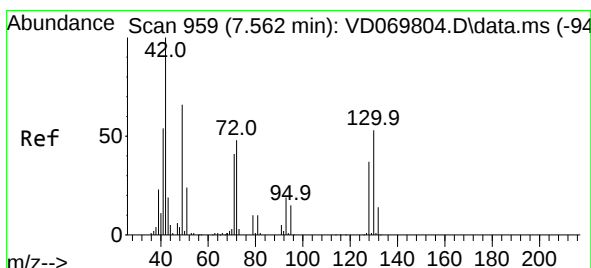
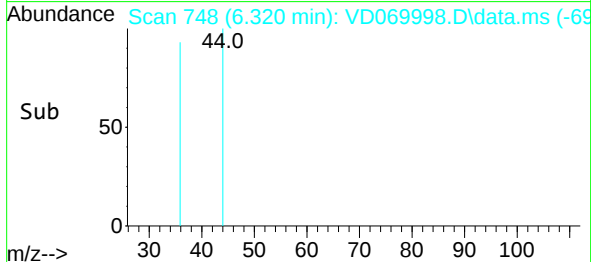
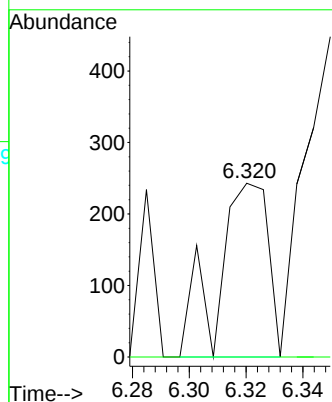
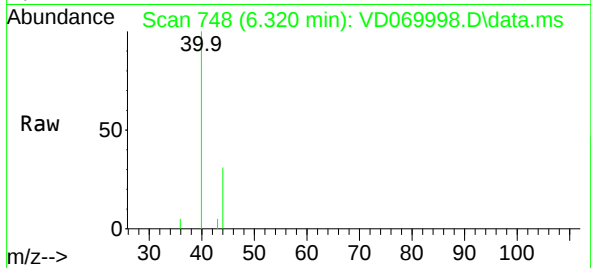




#23
 Vinyl Acetate
 Concen: 20.398 ug/l
 RT: 6.320 min Scan# 748
 Delta R.T. 0.017 min
 Lab File: VD069998.D
 Acq: 09 Aug 2021 16:01

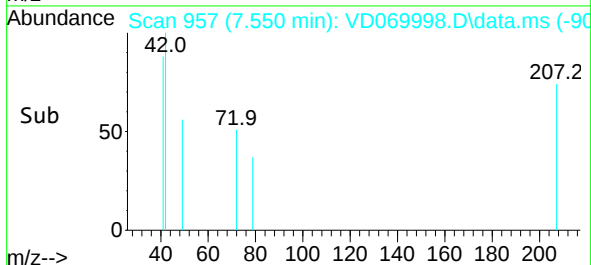
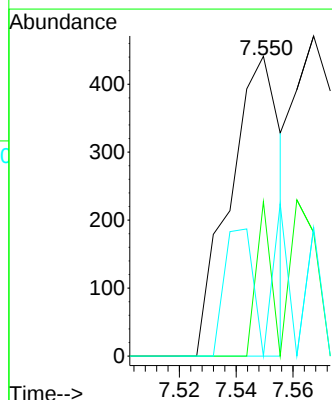
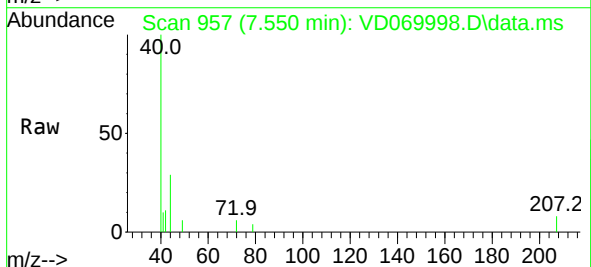
Instrument :
 MSVOA_D
 ClientSampled :

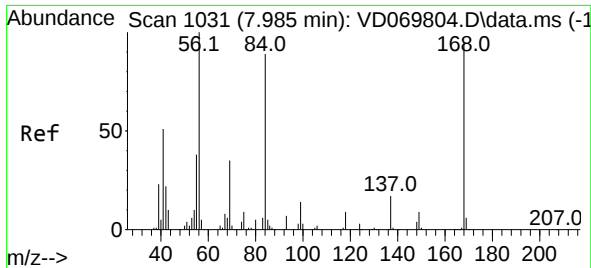
Tgt Ion: 43 Resp: 297
 Ion Ratio Lower Upper
 43 100
 86 0.0 8.6 13.0#



#29
 Tetrahydrofuran
 Concen: 1.086 ug/l
 RT: 7.550 min Scan# 957
 Delta R.T. -0.012 min
 Lab File: VD069998.D
 Acq: 09 Aug 2021 16:01

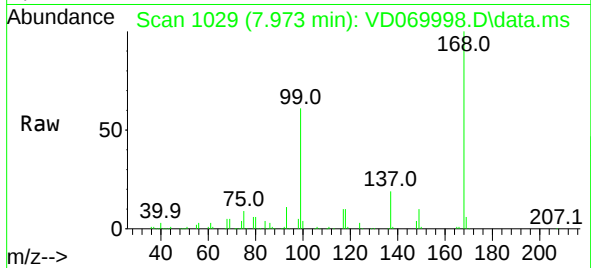
Tgt Ion: 42 Resp: 549
 Ion Ratio Lower Upper
 42 100
 72 41.2 36.5 54.7
 71 26.6 33.5 50.3#



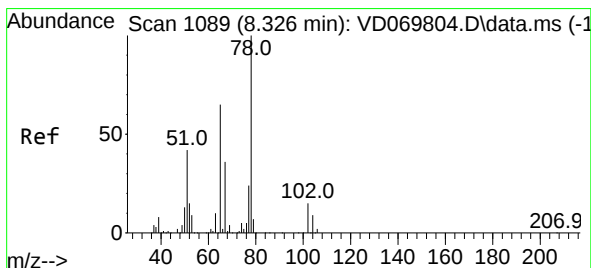
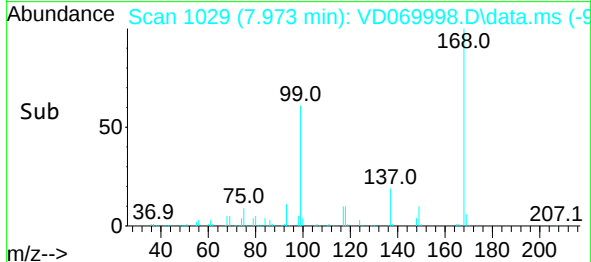
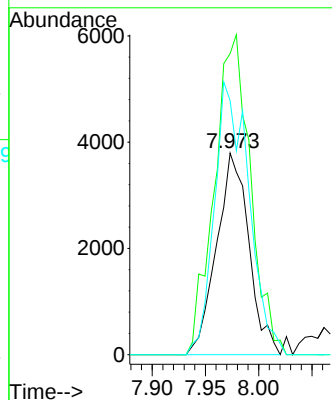


#31
Cyclohexane
Concen: 1.283 ug/l
RT: 7.973 min Scan# 1029
Delta R.T. -0.012 min
Lab File: VD069998.D
Acq: 09 Aug 2021 16:01

Instrument :
MSVOA_D
ClientSampled :

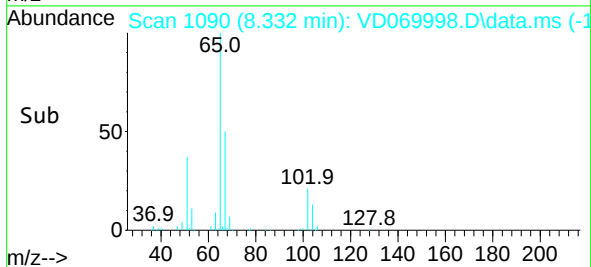
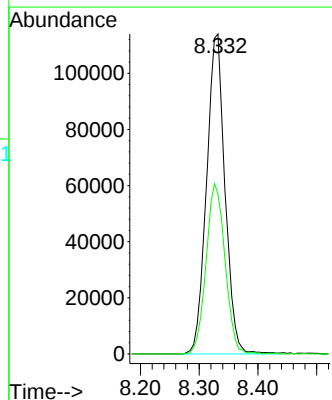
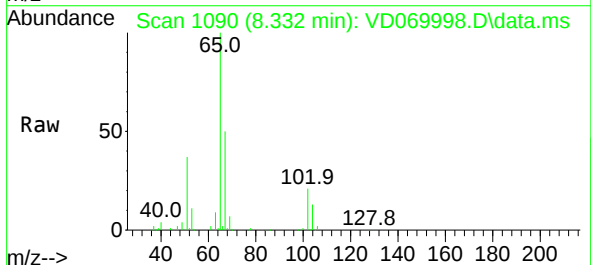


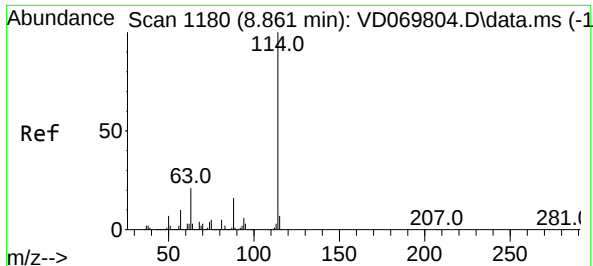
Tgt Ion: 56 Resp: 7995
Ion Ratio Lower Upper
56 100
69 149.3 27.9 41.9#
84 126.0 71.4 107.2#



#33
1,2-Dichloroethane-d4
Concen: 77.696 ug/l
RT: 8.332 min Scan# 1090
Delta R.T. 0.006 min
Lab File: VD069998.D
Acq: 09 Aug 2021 16:01

Tgt Ion: 65 Resp: 247866
Ion Ratio Lower Upper
65 100
67 54.7 0.0 111.2



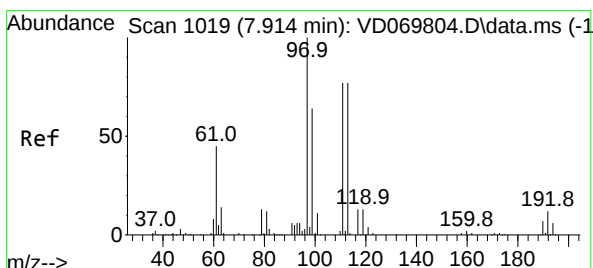
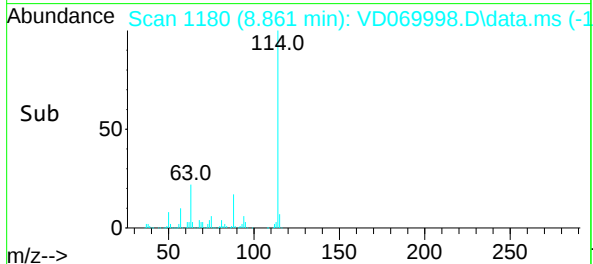
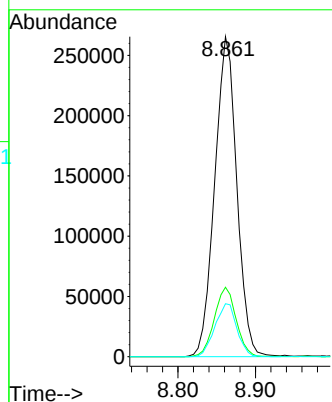
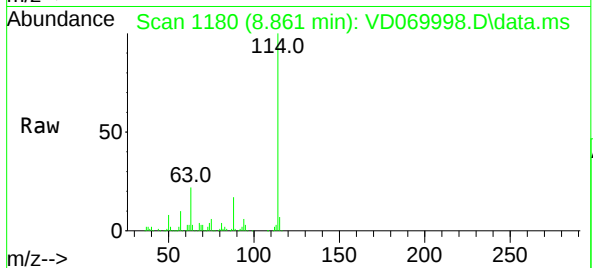


#34

1,4-Difluorobenzene
Concen: 50.000 ug/l
RT: 8.861 min Scan# 1180
Delta R.T. 0.000 min
Lab File: VD069998.D
Acq: 09 Aug 2021 16:01

Instrument :
MSVOA_D
ClientSampled :

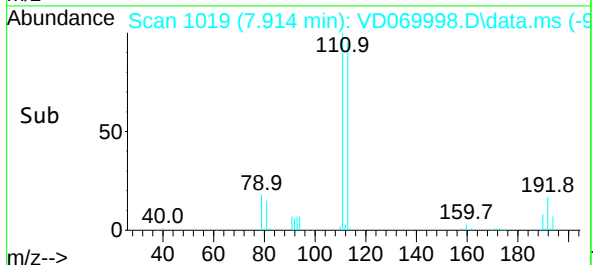
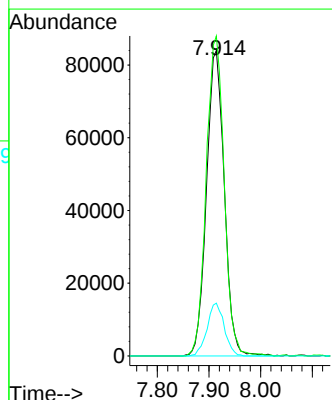
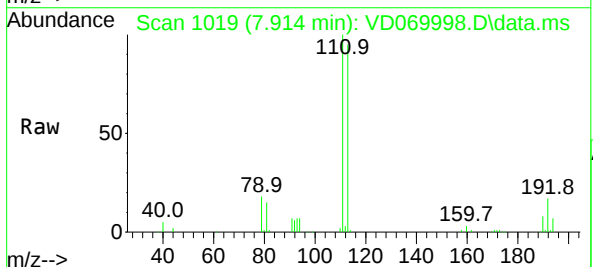
Tgt Ion:	114	Resp:	525814
Ion Ratio	Lower	Upper	
114	100		
63	21.7	0.0	41.6
88	16.5	0.0	31.4

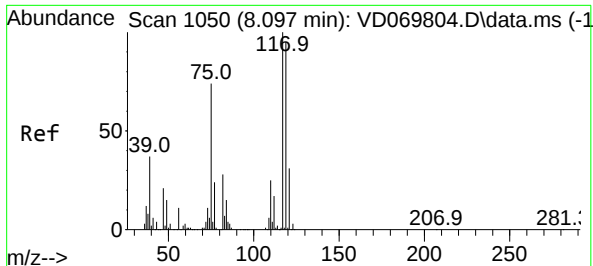


#35

Dibromofluoromethane
Concen: 60.552 ug/l
RT: 7.914 min Scan# 1019
Delta R.T. -0.000 min
Lab File: VD069998.D
Acq: 09 Aug 2021 16:01

Tgt Ion:	113	Resp:	200715
Ion Ratio	Lower	Upper	
113	100		
111	105.5	80.5	120.7
192	16.7	12.6	19.0





#38

Carbon Tetrachloride

Concen: 5.935 ug/l

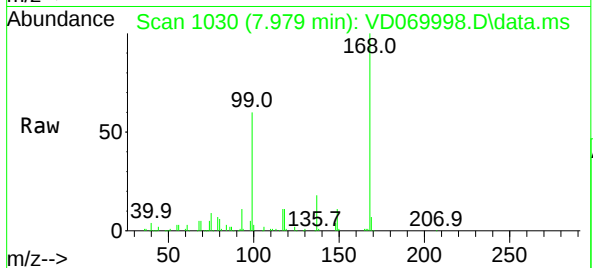
RT: 7.979 min Scan# 1030

Delta R.T. -0.118 min

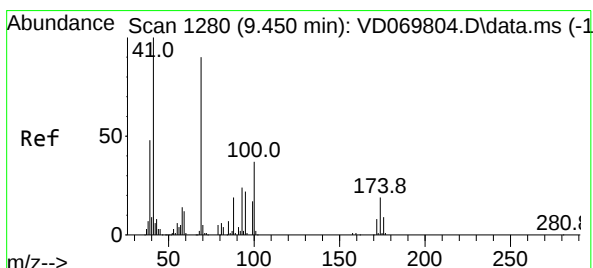
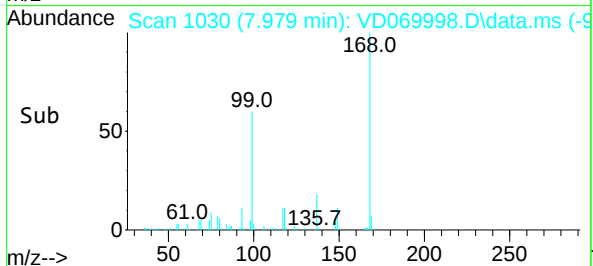
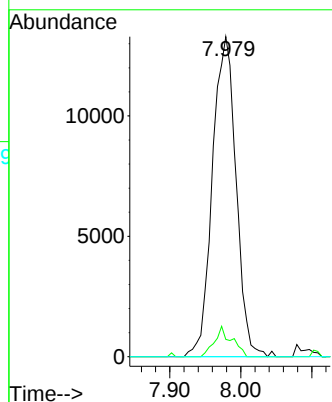
Lab File: VD069998.D

Acq: 09 Aug 2021 16:01

Instrument :
MSVOA_D
ClientSampled :



Tgt Ion:	117	Resp:	30761
Ion	Ratio	Lower	Upper
117	100		
119	5.4	76.2	114.2#
121	0.0	24.5	36.7#



#48

Methyl methacrylate

Concen: 2.852 ug/l

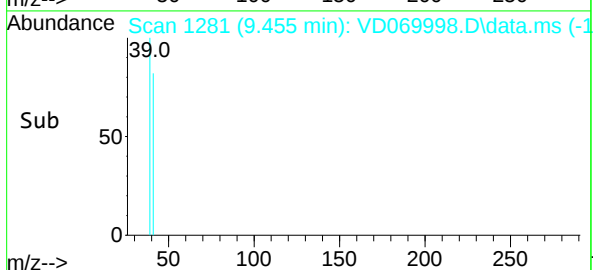
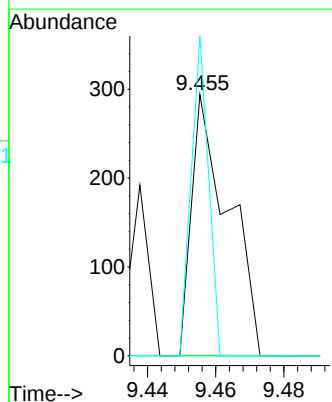
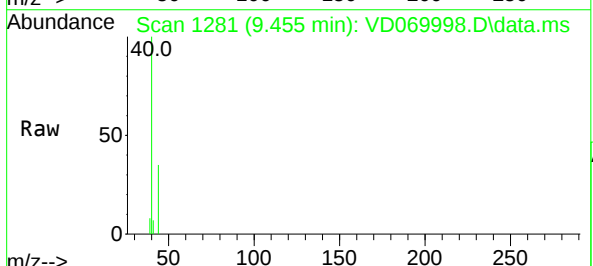
RT: 9.455 min Scan# 1281

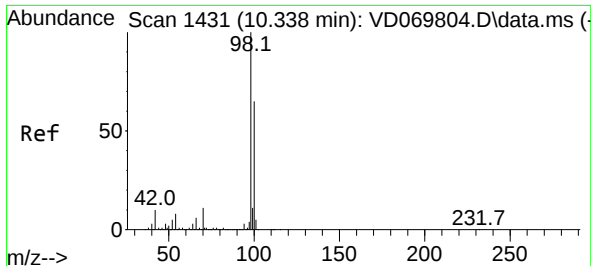
Delta R.T. 0.005 min

Lab File: VD069998.D

Acq: 09 Aug 2021 16:01

Tgt Ion:	41	Resp:	220
Ion	Ratio	Lower	Upper
41	100		
69	0.0	73.4	110.2#
39	57.7	36.6	55.0#

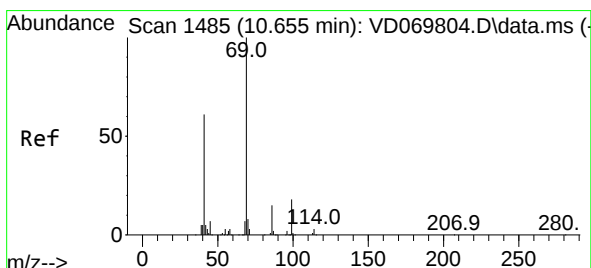
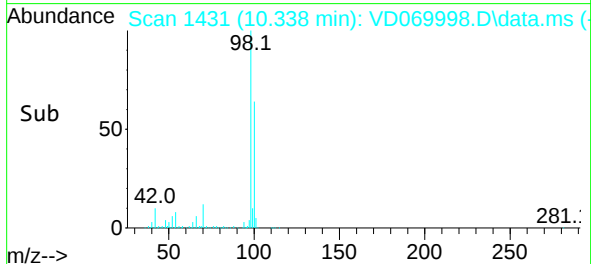
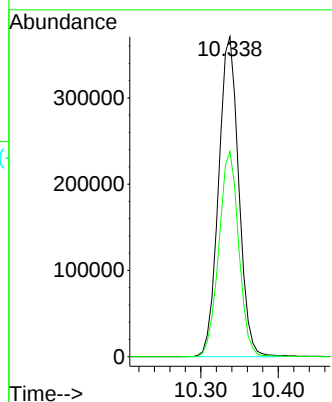
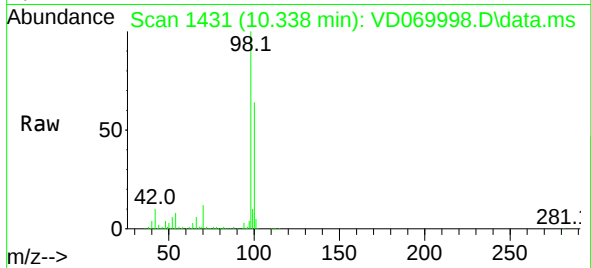




#50
Toluene-d8
Concen: 52.453 ug/l
RT: 10.338 min Scan# 1431
Delta R.T. -0.000 min
Lab File: VD069998.D
Acq: 09 Aug 2021 16:01

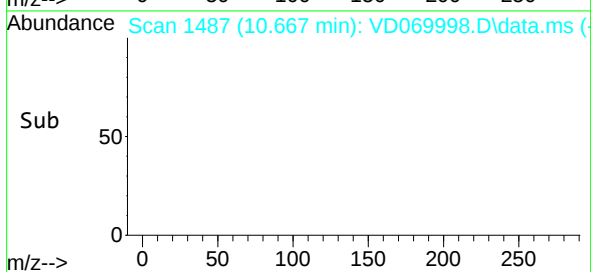
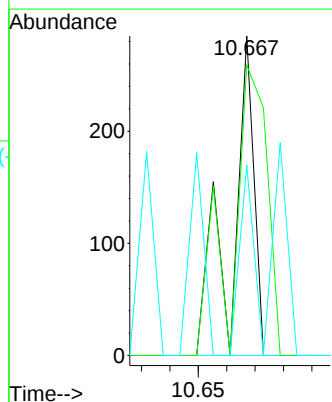
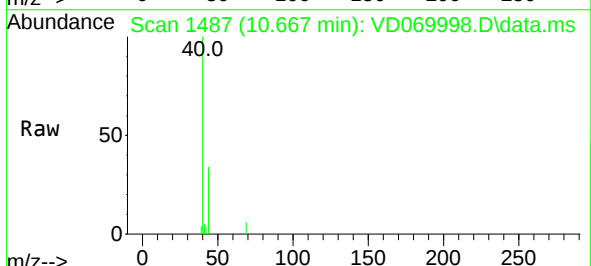
Instrument :
MSVOA_D
ClientSampled :

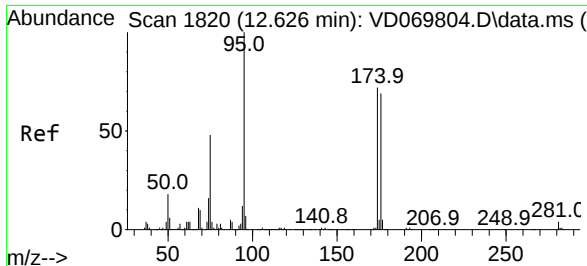
Tgt Ion: 98 Resp: 670425
Ion Ratio Lower Upper
98 100
100 63.5 51.9 77.9



#56
Ethyl methacrylate
Concen: 3.934 ug/l
RT: 10.667 min Scan# 1487
Delta R.T. 0.012 min
Lab File: VD069998.D
Acq: 09 Aug 2021 16:01

Tgt Ion: 69 Resp: 155
Ion Ratio Lower Upper
69 100
41 143.9 50.2 75.2#
39 81.9 22.0 33.0#

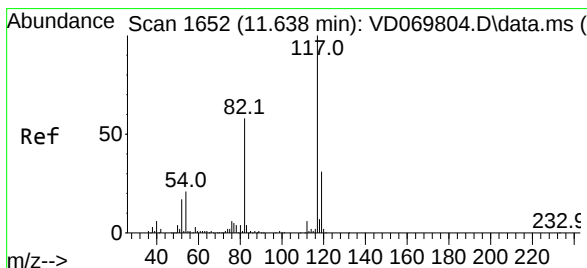
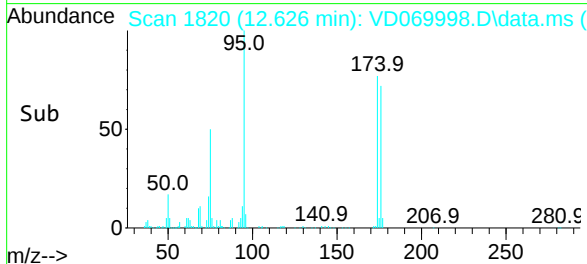
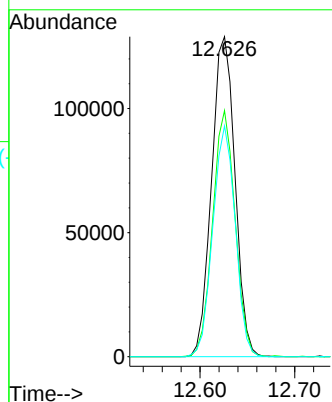
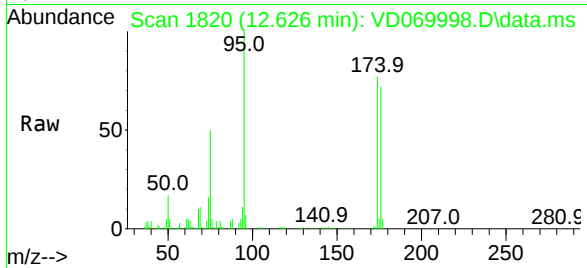




#62
4-Bromofluorobenzene
Concen: 51.904 ug/l
RT: 12.626 min Scan# 1820
Delta R.T. -0.000 min
Lab File: VD069998.D
Acq: 09 Aug 2021 16:01

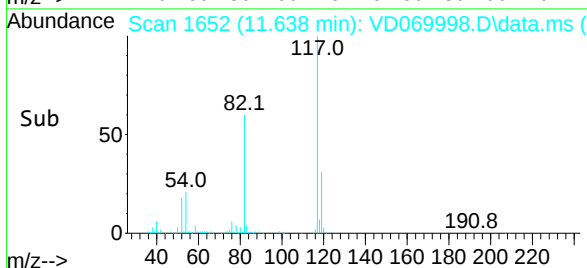
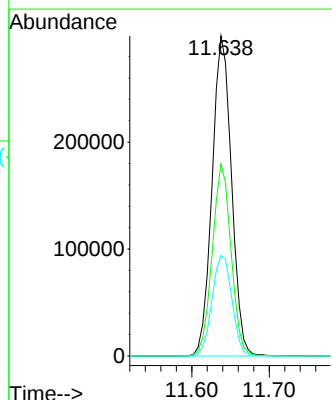
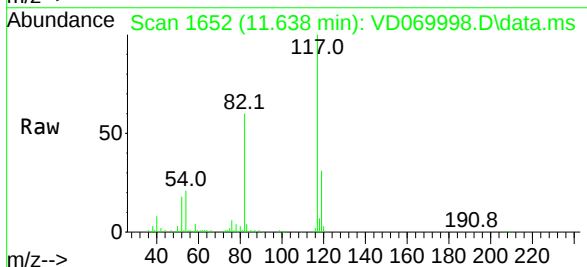
Instrument :
MSVOA_D
ClientSampleId :

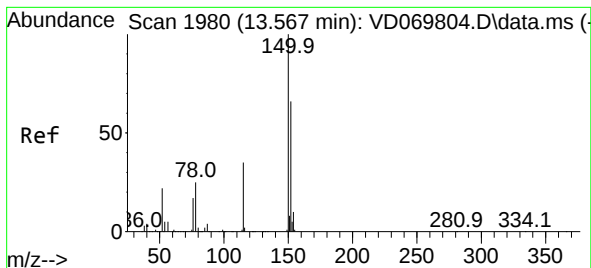
Tgt Ion: 95 Resp: 221711
Ion Ratio Lower Upper
95 100
174 73.9 0.0 142.6
176 69.1 0.0 134.2



#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.638 min Scan# 1652
Delta R.T. -0.000 min
Lab File: VD069998.D
Acq: 09 Aug 2021 16:01

Tgt Ion: 117 Resp: 520334
Ion Ratio Lower Upper
117 100
82 59.9 46.3 69.5
119 31.4 24.7 37.1

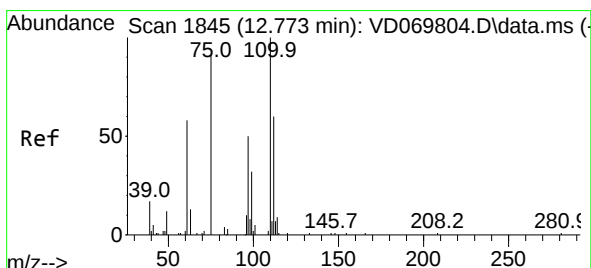
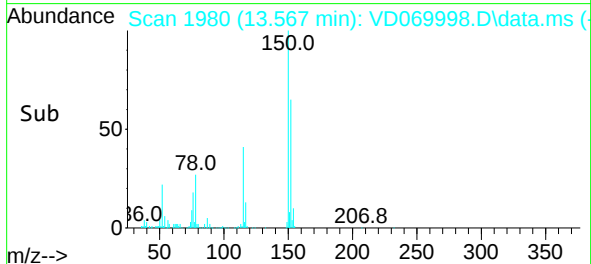
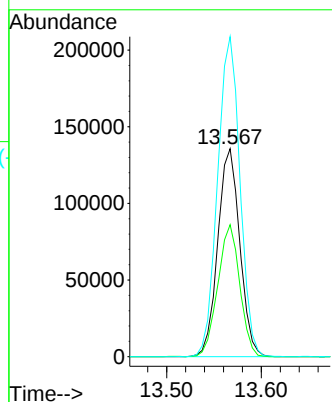
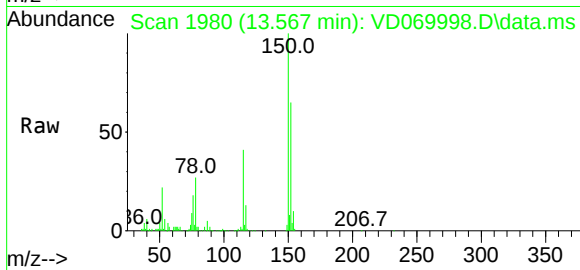




#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 13.567 min Scan# 1980
Delta R.T. -0.000 min
Lab File: VD069998.D
Acq: 09 Aug 2021 16:01

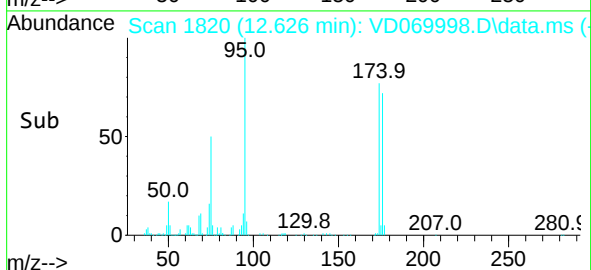
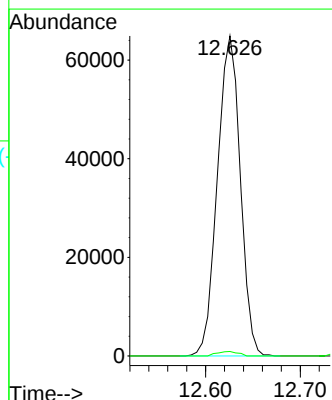
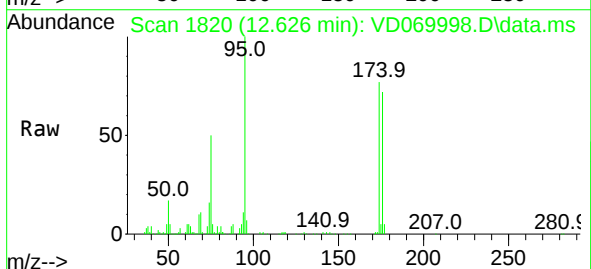
Instrument :
MSVOA_D
ClientSampled :

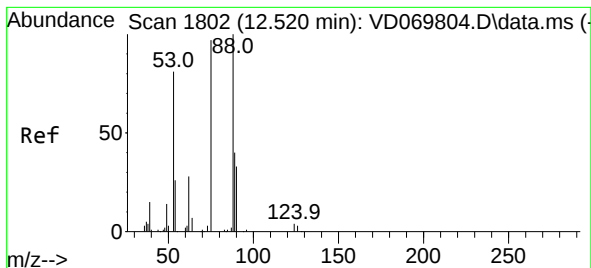
Tgt Ion:152 Resp: 219402
Ion Ratio Lower Upper
152 100
115 63.1 31.1 93.3
150 156.2 0.0 343.0



#76
1,2,3-Trichloropropane
Concen: 46.801 ug/l
RT: 12.626 min Scan# 1820
Delta R.T. -0.147 min
Lab File: VD069998.D
Acq: 09 Aug 2021 16:01

Tgt Ion: 75 Resp: 109144
Ion Ratio Lower Upper
75 100
77 1.3 181.5 544.5#

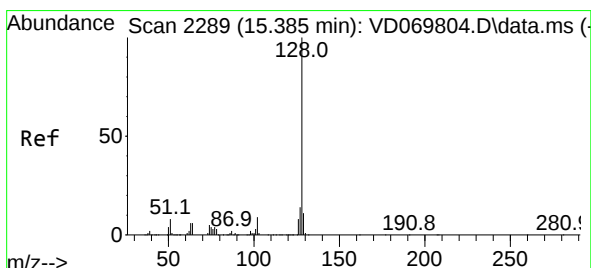
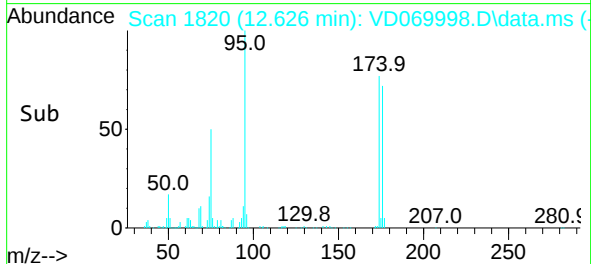
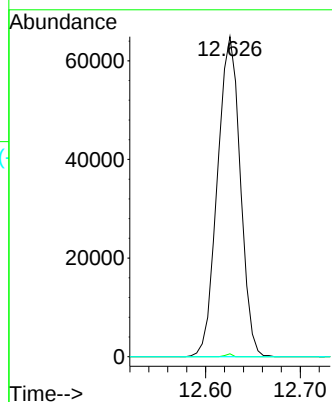
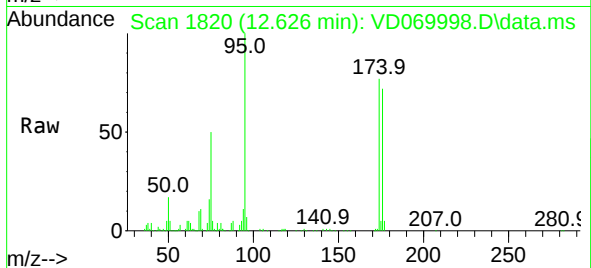




#81
trans-1,4-Dichloro-2-butene
Concen: 141.982 ug/l
RT: 12.626 min Scan# 1820
Delta R.T. 0.106 min
Lab File: VD069998.D
Acq: 09 Aug 2021 16:01

Instrument :
MSVOA_D
ClientSampled :

Tgt Ion: 75 Resp: 109144
Ion Ratio Lower Upper
75 100
53 0.3 67.2 100.8#
89 0.0 35.8 53.6#



#95
Naphthalene
Concen: 5.379 ug/l
RT: 15.390 min Scan# 2290
Delta R.T. 0.005 min
Lab File: VD069998.D
Acq: 09 Aug 2021 16:01

Tgt Ion: 128 Resp: 3028
Ion Ratio Lower Upper
128 100
127 10.4 10.6 16.0#
129 8.6 8.6 12.8#

