

Data Path : Z:\voasrv\HPCHEM1\MSVOA_D\Data\VD072621\
 Data File : VD069848.D
 Acq On : 26 Jul 2021 15:26
 Operator : VA/SY
 Sample : M3170-01
 Misc : 5.00G/5.00ml/MSVOA_D/SOIL
 ALS Vial : 10 Sample Multiplier: 1

Instrument :
 MSVOA_D
 ClientSampleId :

Quant Time: Jul 27 05:11:51 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)

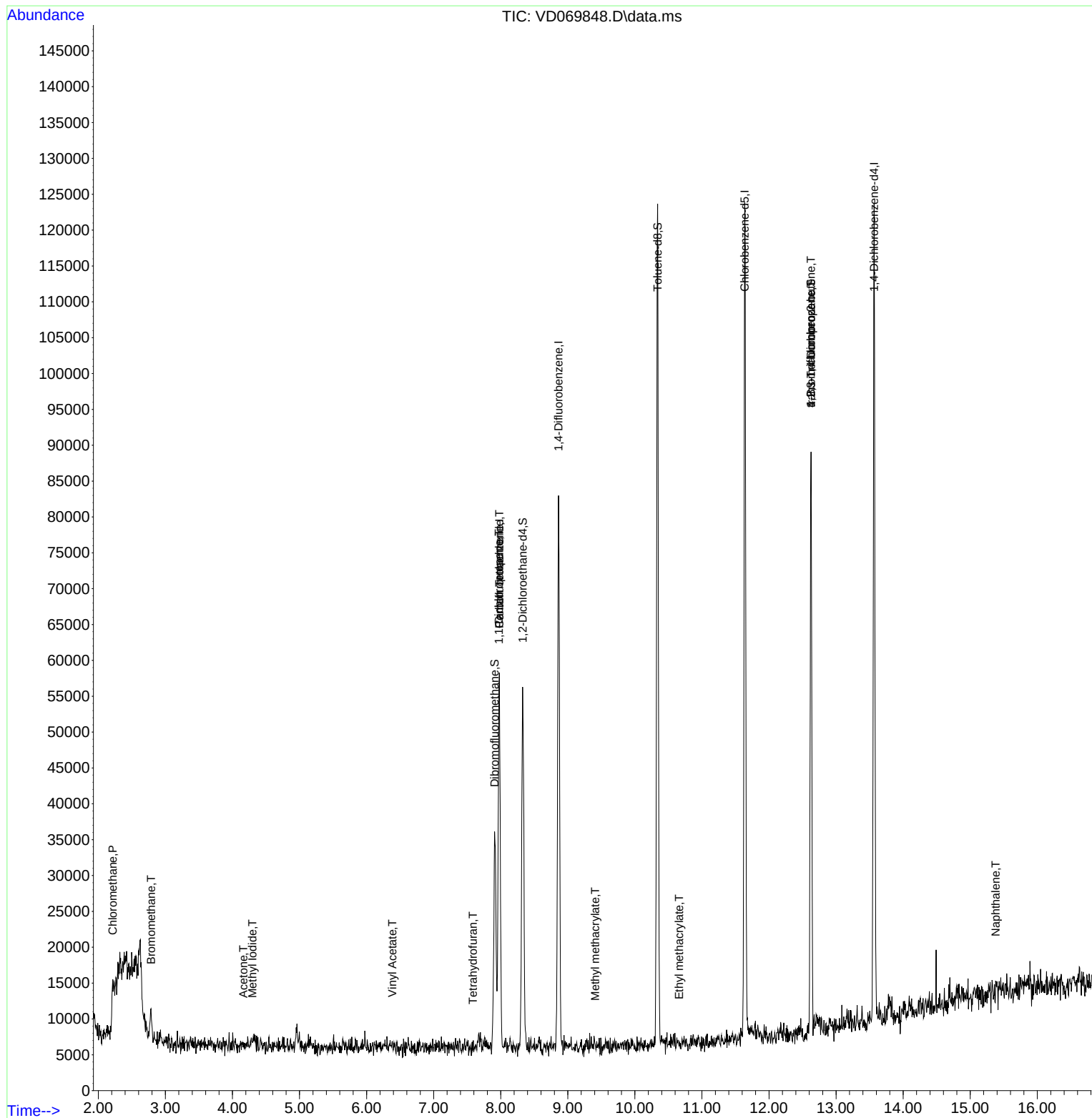
Internal Standards						
1) Pentafluorobenzene	7.979	168	34823	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	8.861	114	62674	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.638	117	67149	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.567	152	29392	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.326	65	39961	99.779	ug/l	0.00
Spiked Amount	50.000	Range	50 - 163	Recovery	= 199.560%#	
35) Dibromofluoromethane	7.909	113	22324	56.503	ug/l	0.00
Spiked Amount	50.000	Range	54 - 147	Recovery	= 113.000%	
50) Toluene-d8	10.338	98	80731	52.992	ug/l	0.00
Spiked Amount	50.000	Range	49 - 140	Recovery	= 105.980%	
62) 4-Bromofluorobenzene	12.626	95	28811	56.587	ug/l	0.00
Spiked Amount	50.000	Range	25 - 144	Recovery	= 113.180%	
Target Compounds						
					Qvalue	
3) Chloromethane	2.215	50	1644	3.092	ug/l #	79
5) Bromomethane	2.785	94	2695	6.505	ug/l	95
10) Methyl Iodide	4.297	142	913	5.426	ug/l #	40
16) Acetone	4.162	43	456	6.303	ug/l #	38
20) Methylene Chloride	4.962	84	1492	Below Cal	#	89
23) Vinyl Acetate	6.385	43	65	20.435	ug/l #	71
29) Tetrahydrofuran	7.585	42	65	1.024	ug/l #	32
36) 1,1-Dichloropropene	7.973	75	3299	4.878	ug/l #	44
38) Carbon Tetrachloride	7.979	117	4124	6.675	ug/l #	20
48) Methyl methacrylate	9.409	41	145	3.330	ug/l #	13
56) Ethyl methacrylate	10.661	69	60	4.021	ug/l #	1
76) 1,2,3-Trichloropropane	12.626	75	13203	42.261	ug/l #	1
81) trans-1,4-Dichloro-2-b...	12.626	75	13203	128.209	ug/l #	16
95) Naphthalene	15.379	128	223	5.207	ug/l #	43

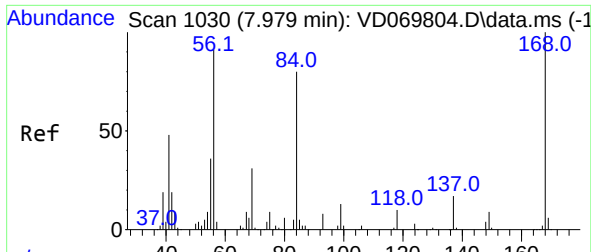
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Data Path : Z:\voasrv\HPCHEM1\MSVOA_D\Data\VD072621\
Data File : VD069848.D
Acq On : 26 Jul 2021 15:26
Operator : VA/SY
Sample : M3170-01
Misc : 5.00G/5.00ml/MSVOA_D/SOIL
ALS Vial : 10 Sample Multiplier: 1

Instrument :
MSVOA_D
ClientSampleId :

Quant Time: Jul 27 05:11:51 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

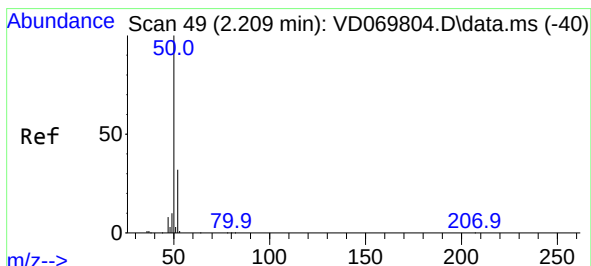
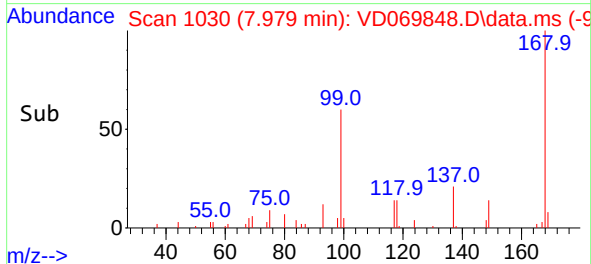
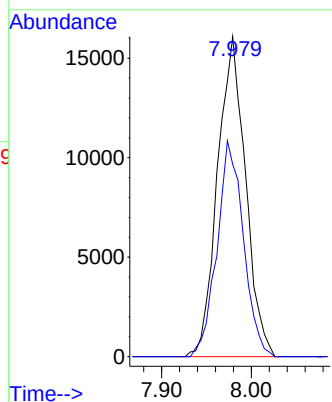
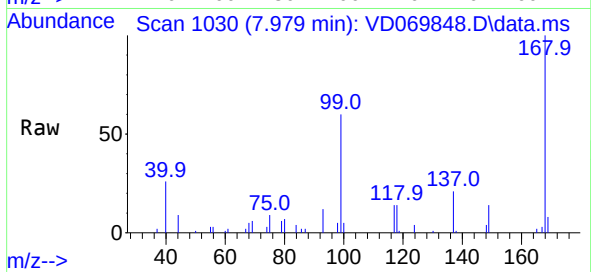




#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 7.979 min Scan# 1030
Delta R.T. 0.000 min
Lab File: VD069848.D
Acq: 26 Jul 2021 15:26

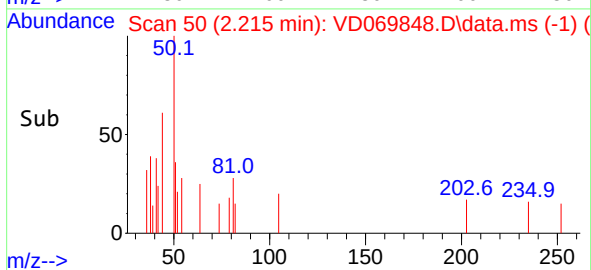
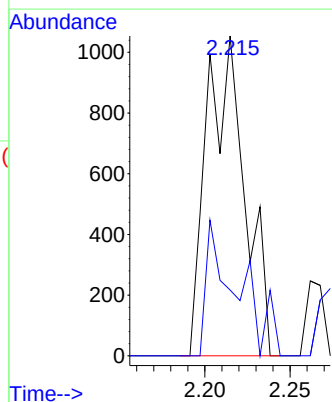
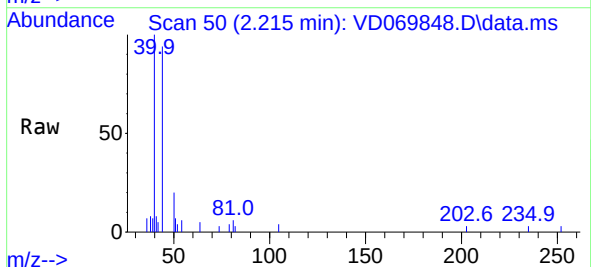
Instrument :
MSVOA_D
ClientSampled :

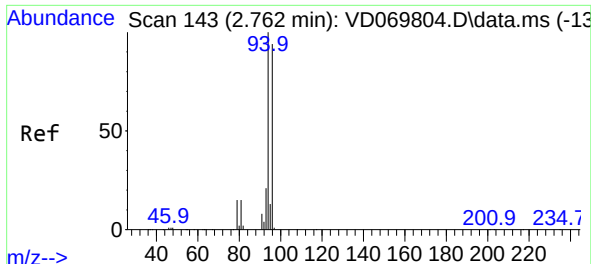
Tgt Ion:168 Resp: 34823
Ion Ratio Lower Upper
168 100
99 60.2 51.1 76.7



#3
Chloromethane
Concen: 3.092 ug/l
RT: 2.215 min Scan# 50
Delta R.T. 0.006 min
Lab File: VD069848.D
Acq: 26 Jul 2021 15:26

Tgt Ion: 50 Resp: 1644
Ion Ratio Lower Upper
50 100
52 20.6 25.7 38.5#

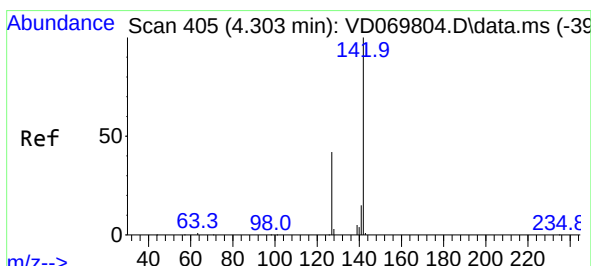
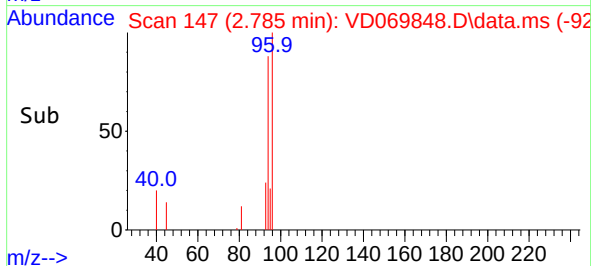
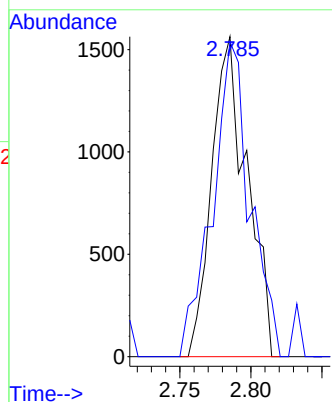
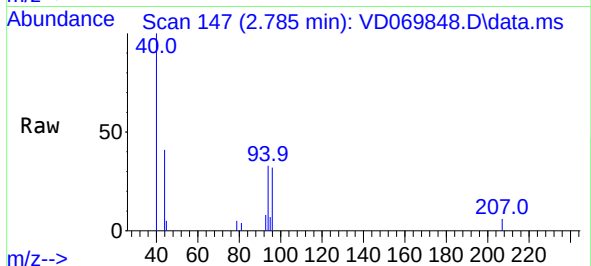




#5
Bromomethane
Concen: 6.505 ug/l
RT: 2.785 min Scan# 147
Delta R.T. 0.023 min
Lab File: VD069848.D
Acq: 26 Jul 2021 15:26

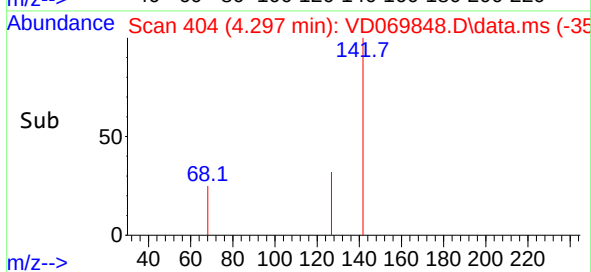
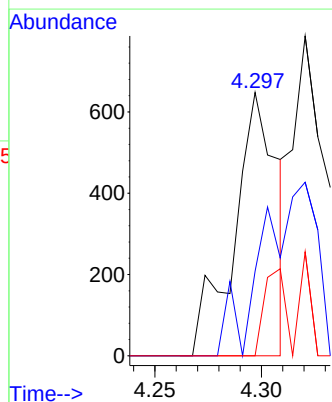
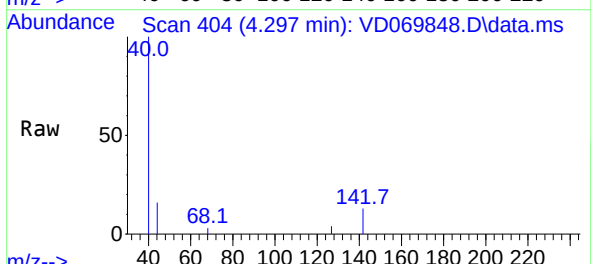
Instrument :
MSVOA_D
ClientSampled :

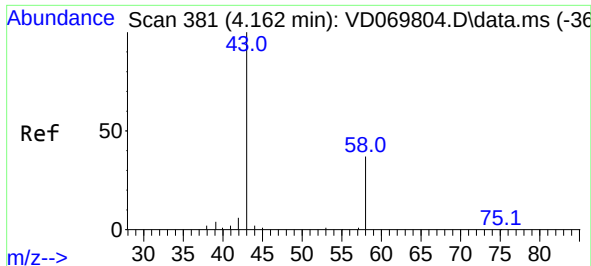
Tgt Ion: 94 Resp: 2695
Ion Ratio Lower Upper
94 100
96 98.5 74.8 112.2



#10
Methyl Iodide
Concen: 5.426 ug/l
RT: 4.297 min Scan# 404
Delta R.T. -0.006 min
Lab File: VD069848.D
Acq: 26 Jul 2021 15:26

Tgt Ion:142 Resp: 913
Ion Ratio Lower Upper
142 100
127 0.0 35.7 53.5#
141 0.0 12.0 18.0#

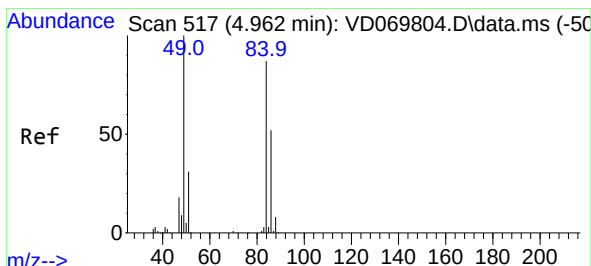
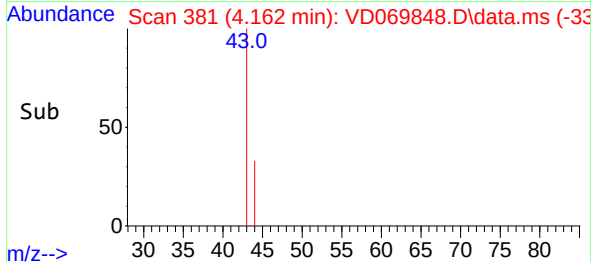
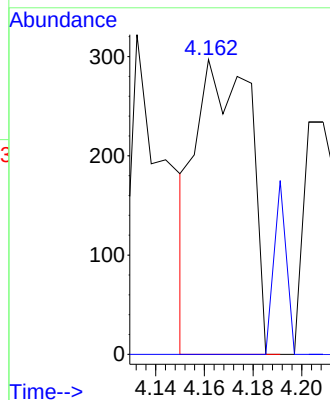
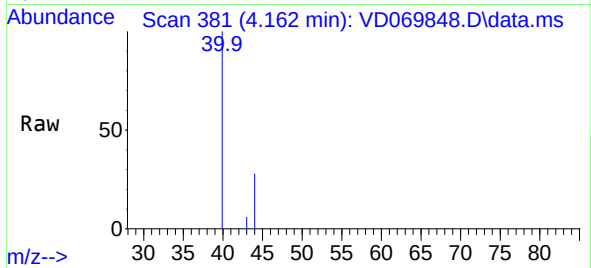




#16
Acetone
Concen: 6.303 ug/l
RT: 4.162 min Scan# 381
Delta R.T. 0.000 min
Lab File: VD069848.D
Acq: 26 Jul 2021 15:26

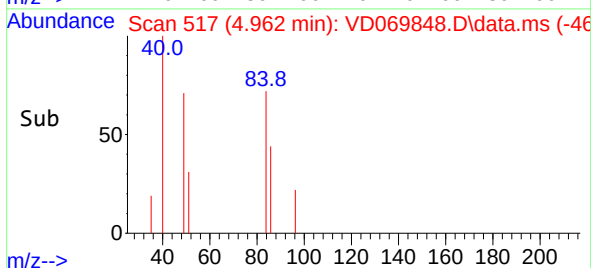
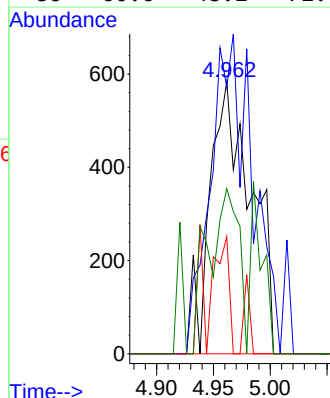
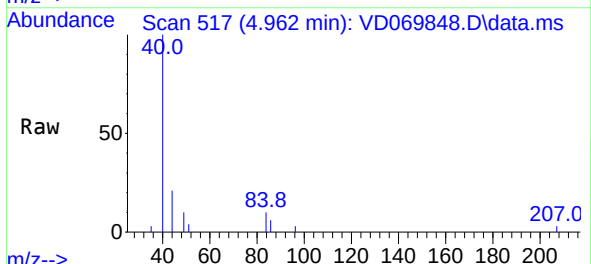
Instrument :
MSVOA_D
ClientSampled :

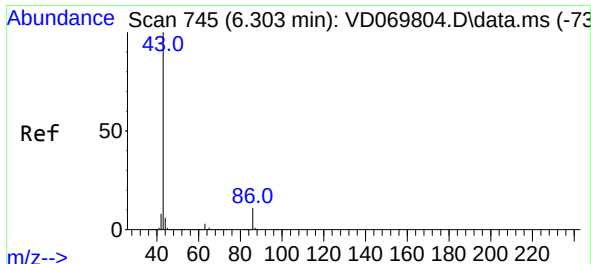
Tgt Ion: 43 Resp: 456
Ion Ratio Lower Upper
43 100
58 0.0 29.4 44.0#



#20
Methylene Chloride
Concen: Below Cal
RT: 4.962 min Scan# 517
Delta R.T. -0.000 min
Lab File: VD069848.D
Acq: 26 Jul 2021 15:26

Tgt Ion: 84 Resp: 1492
Ion Ratio Lower Upper
84 100
49 97.8 92.4 138.6
51 43.0 28.5 42.7#
86 60.6 48.2 72.4

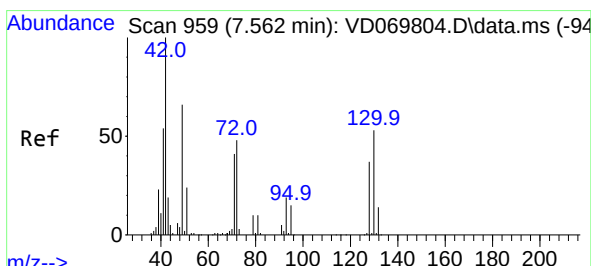
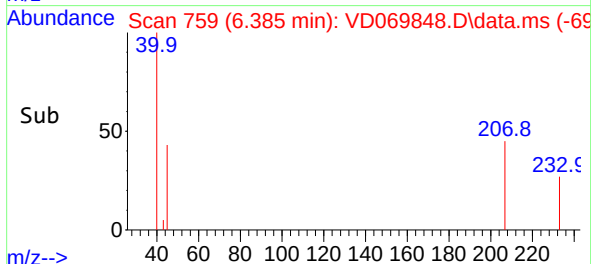
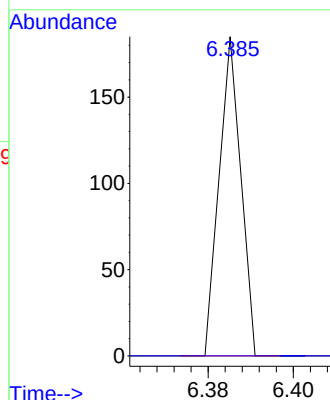
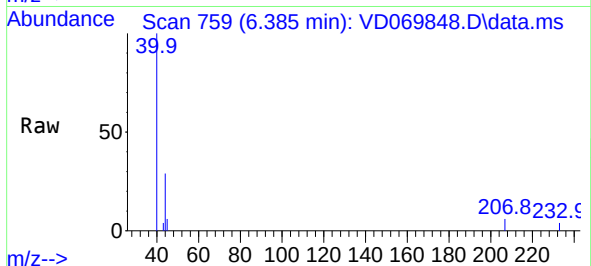




#23
 Vinyl Acetate
 Concen: 20.435 ug/l
 RT: 6.385 min Scan# 759
 Delta R.T. 0.082 min
 Lab File: VD069848.D
 Acq: 26 Jul 2021 15:26

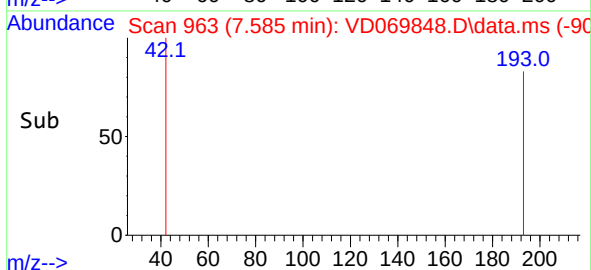
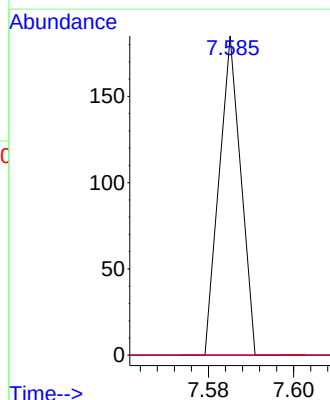
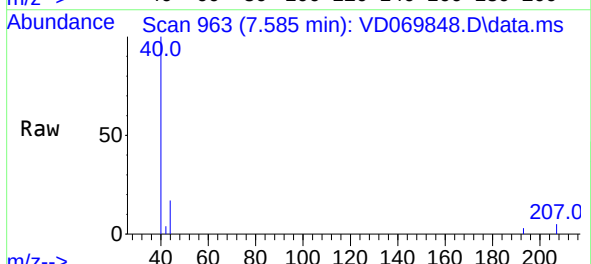
Instrument :
 MSVOA_D
 ClientSampled :

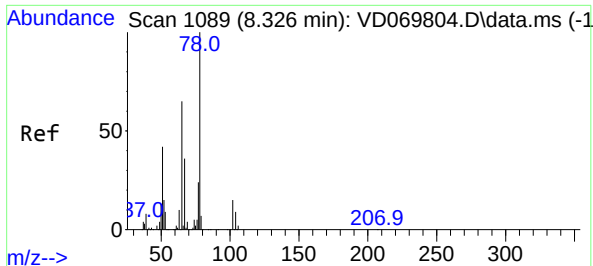
Tgt Ion: 43 Resp: 65
 Ion Ratio Lower Upper
 43 100
 86 0.0 8.6 13.0#



#29
 Tetrahydrofuran
 Concen: 1.024 ug/l
 RT: 7.585 min Scan# 963
 Delta R.T. 0.024 min
 Lab File: VD069848.D
 Acq: 26 Jul 2021 15:26

Tgt Ion: 42 Resp: 65
 Ion Ratio Lower Upper
 42 100
 72 0.0 36.5 54.7#
 71 0.0 33.5 50.3#

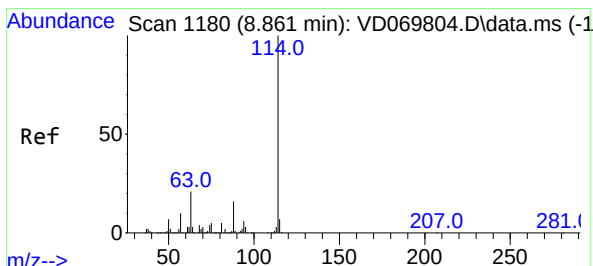
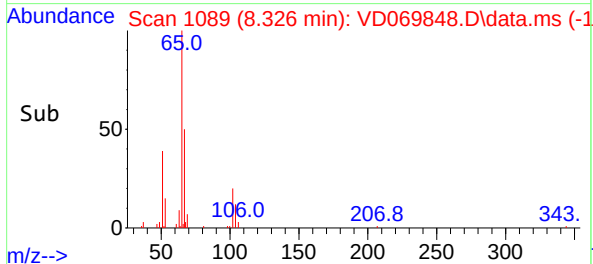
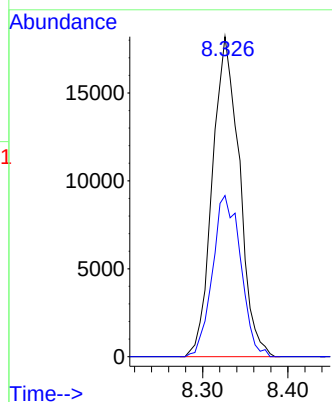
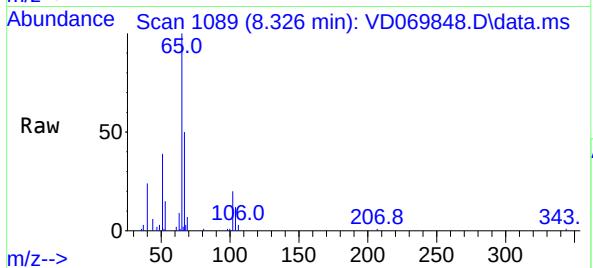




#33
1,2-Dichloroethane-d4
Concen: 99.779 ug/l
RT: 8.326 min Scan# 1089
Delta R.T. 0.000 min
Lab File: VD069848.D
Acq: 26 Jul 2021 15:26

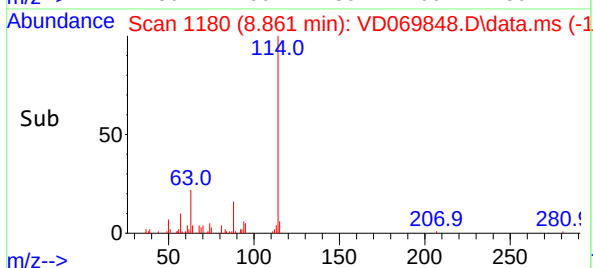
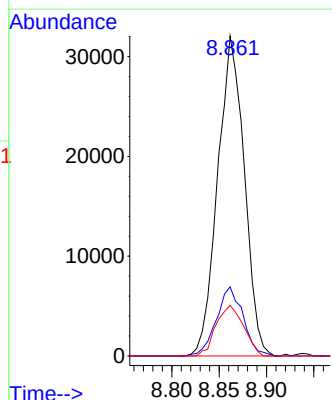
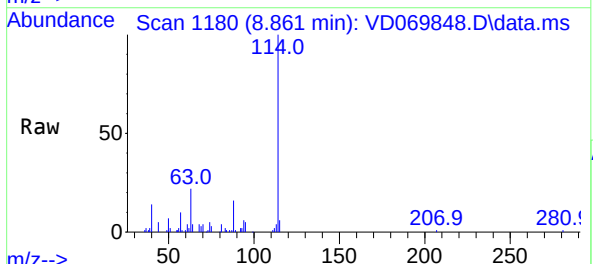
Instrument :
MSVOA_D
ClientSampleId :

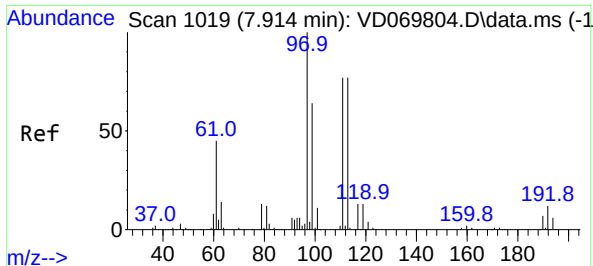
Tgt Ion: 65 Resp: 39961
Ion Ratio Lower Upper
65 100
67 52.6 0.0 111.2



#34
1,4-Difluorobenzene
Concen: 50.000 ug/l
RT: 8.861 min Scan# 1180
Delta R.T. 0.000 min
Lab File: VD069848.D
Acq: 26 Jul 2021 15:26

Tgt Ion:114 Resp: 62674
Ion Ratio Lower Upper
114 100
63 21.6 0.0 41.6
88 15.8 0.0 31.4

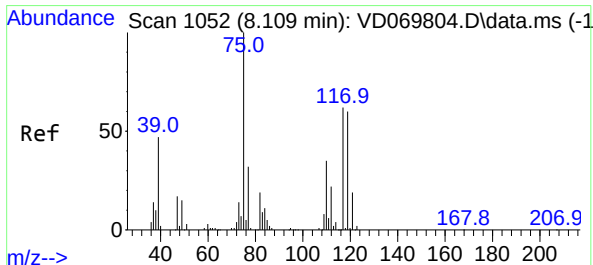
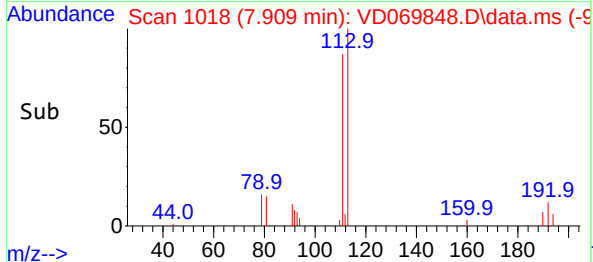
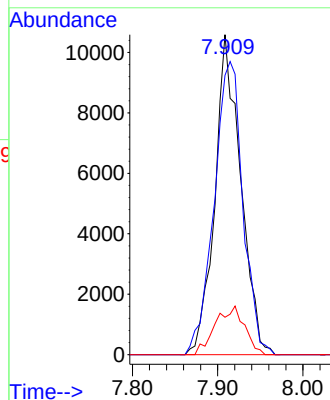
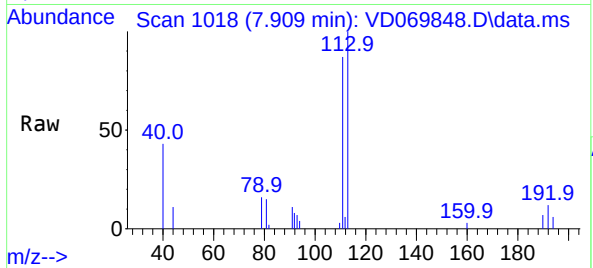




#35
Dibromofluoromethane
Concen: 56.503 ug/l
RT: 7.909 min Scan# 1018
Delta R.T. -0.006 min
Lab File: VD069848.D
Acq: 26 Jul 2021 15:26

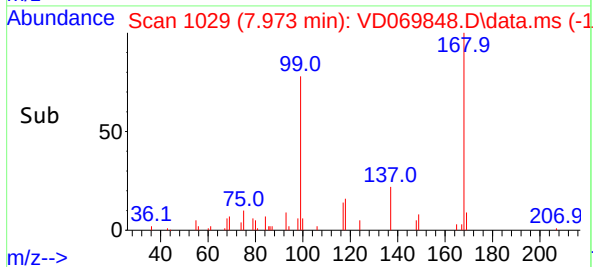
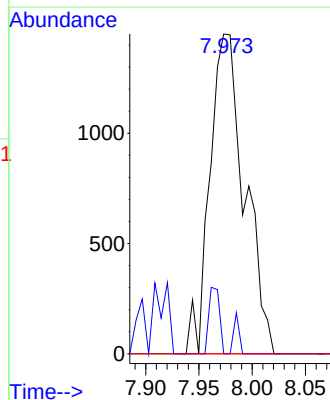
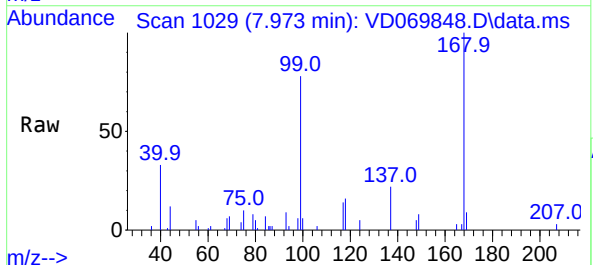
Instrument :
MSVOA_D
ClientSampled :

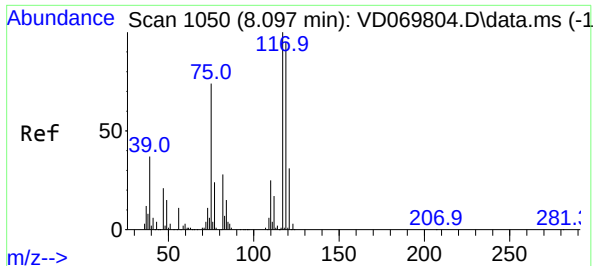
Tgt Ion:113 Resp: 22324
Ion Ratio Lower Upper
113 100
111 102.3 80.5 120.7
192 17.2 12.6 19.0



#36
1,1-Dichloropropene
Concen: 4.878 ug/l
RT: 7.973 min Scan# 1029
Delta R.T. -0.135 min
Lab File: VD069848.D
Acq: 26 Jul 2021 15:26

Tgt Ion: 75 Resp: 3299
Ion Ratio Lower Upper
75 100
110 2.0 16.9 50.7#
77 0.0 24.9 37.3#

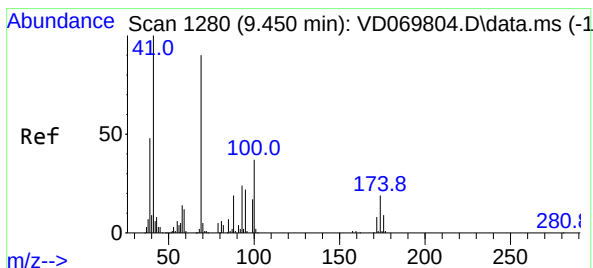
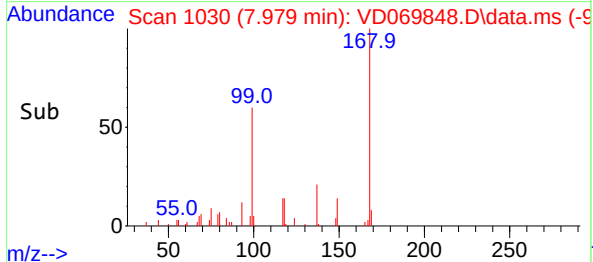
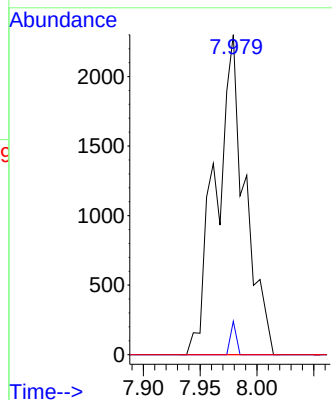
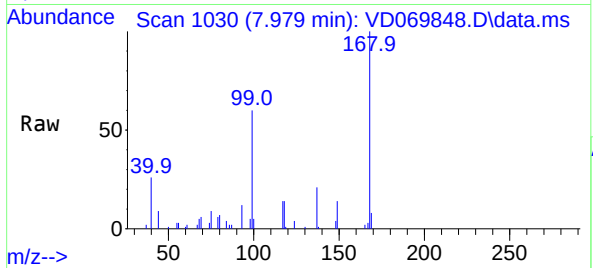




#38
Carbon Tetrachloride
Concen: 6.675 ug/l
RT: 7.979 min Scan# 1030
Delta R.T. -0.118 min
Lab File: VD069848.D
Acq: 26 Jul 2021 15:26

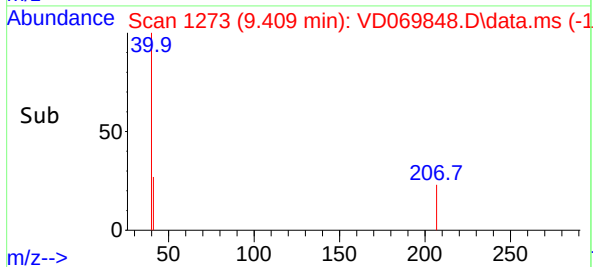
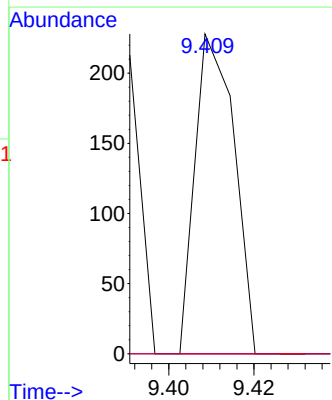
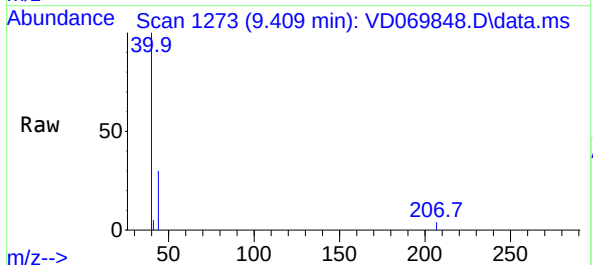
Instrument :
MSVOA_D
ClientSampled :

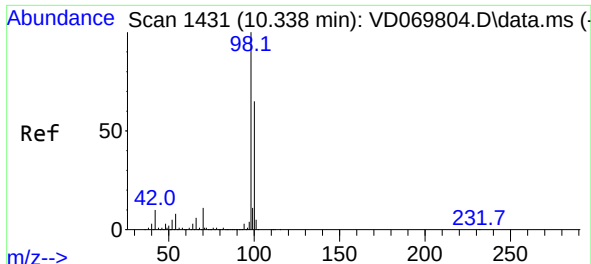
Tgt Ion:117 Resp: 4124
Ion Ratio Lower Upper
117 100
119 10.5 76.2 114.2#
121 0.0 24.5 36.7#



#48
Methyl methacrylate
Concen: 3.330 ug/l
RT: 9.409 min Scan# 1273
Delta R.T. -0.041 min
Lab File: VD069848.D
Acq: 26 Jul 2021 15:26

Tgt Ion: 41 Resp: 145
Ion Ratio Lower Upper
41 100
69 0.0 73.4 110.2#
39 0.0 36.6 55.0#

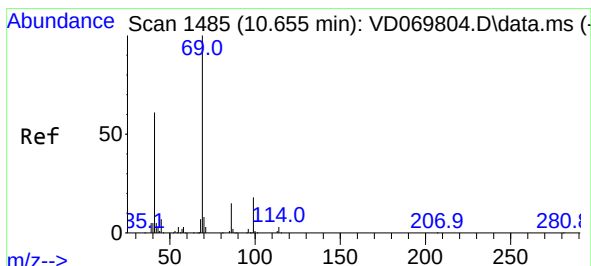
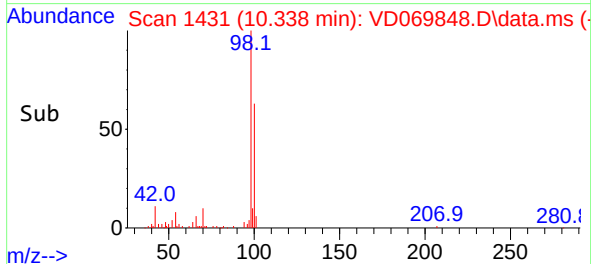
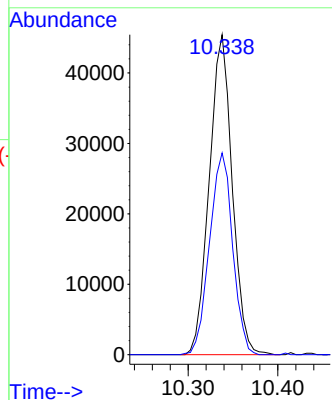
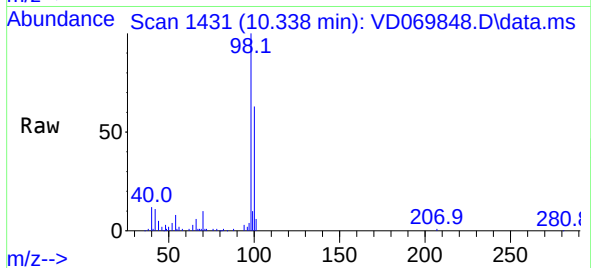




#50
Toluene-d8
Concen: 52.992 ug/l
RT: 10.338 min Scan# 1431
Delta R.T. 0.000 min
Lab File: VD069848.D
Acq: 26 Jul 2021 15:26

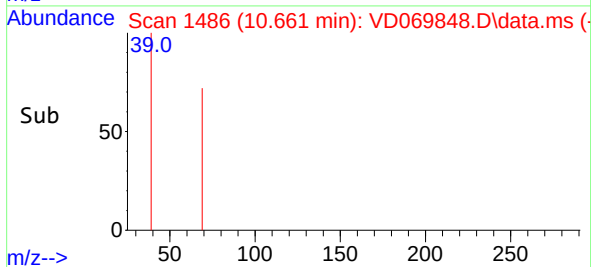
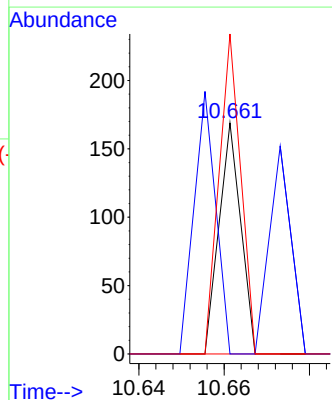
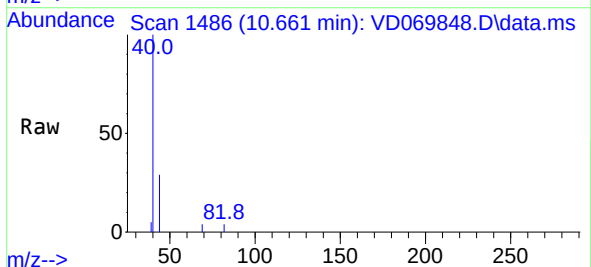
Instrument :
MSVOA_D
ClientSampled :

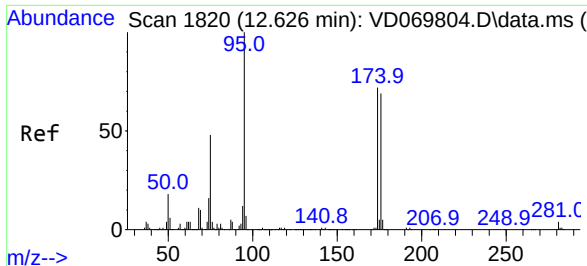
Tgt Ion: 98 Resp: 80731
Ion Ratio Lower Upper
98 100
100 63.4 51.9 77.9



#56
Ethyl methacrylate
Concen: 4.021 ug/l
RT: 10.661 min Scan# 1486
Delta R.T. 0.006 min
Lab File: VD069848.D
Acq: 26 Jul 2021 15:26

Tgt Ion: 69 Resp: 60
Ion Ratio Lower Upper
69 100
41 113.3 50.2 75.2#
39 138.3 22.0 33.0#

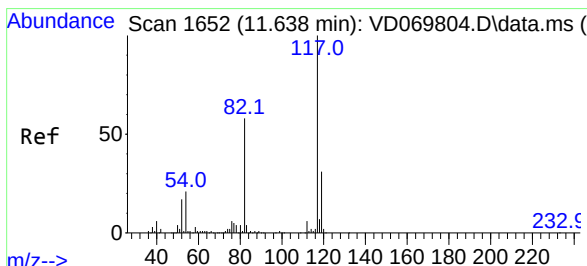
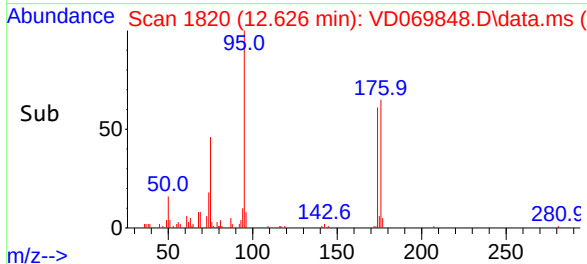
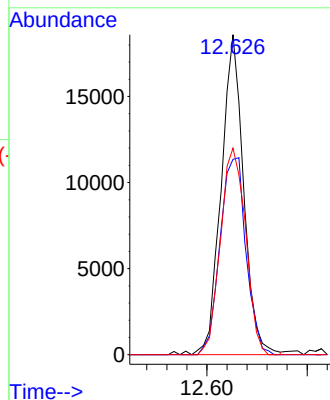
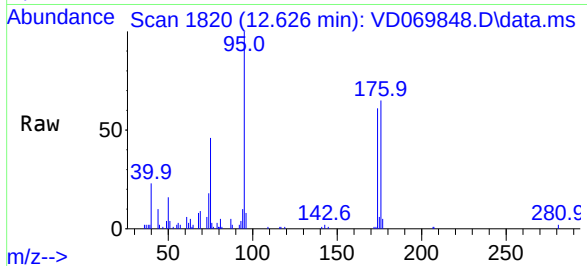




#62
4-Bromofluorobenzene
Concen: 56.587 ug/l
RT: 12.626 min Scan# 1820
Delta R.T. 0.000 min
Lab File: VD069848.D
Acq: 26 Jul 2021 15:26

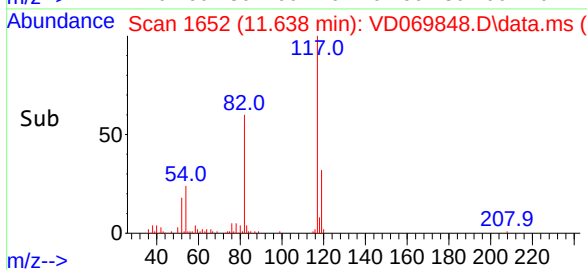
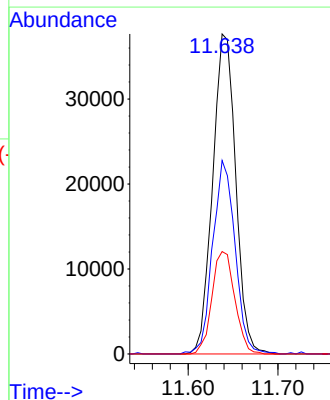
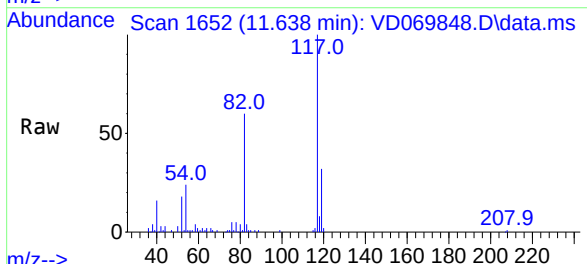
Instrument :
MSVOA_D
ClientSampleId :

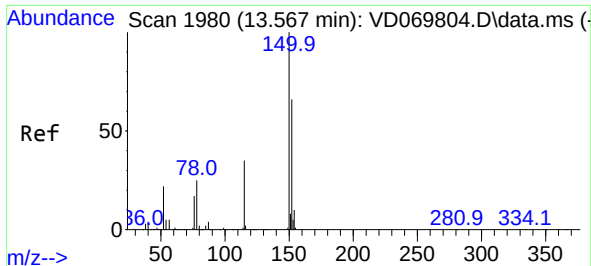
Tgt Ion:	95	Resp:	28811
Ion	Ratio	Lower	Upper
95	100		
174	71.5	0.0	142.6
176	72.2	0.0	134.2



#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.638 min Scan# 1652
Delta R.T. 0.000 min
Lab File: VD069848.D
Acq: 26 Jul 2021 15:26

Tgt Ion:	117	Resp:	67149
Ion	Ratio	Lower	Upper
117	100		
82	60.5	46.3	69.5
119	32.0	24.7	37.1

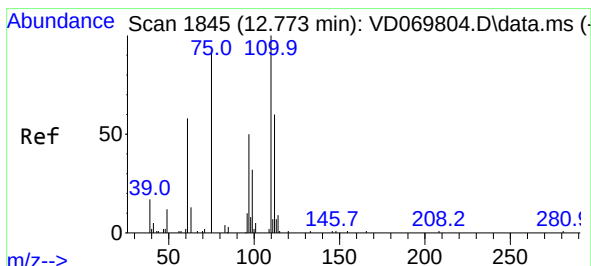
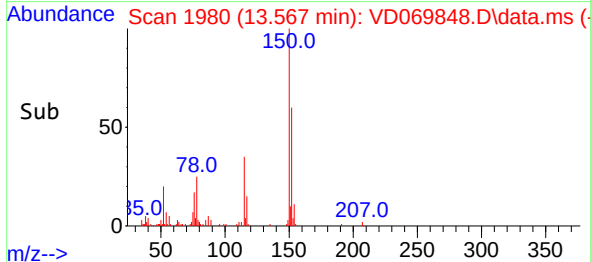
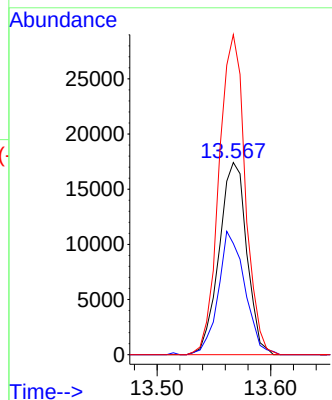
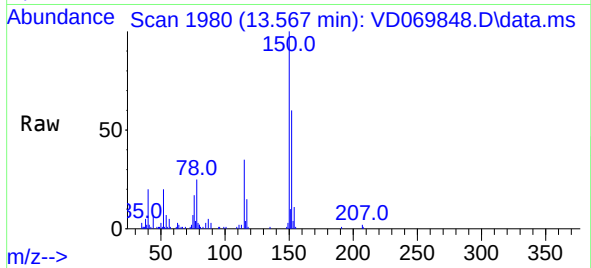




#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 13.567 min Scan# 1980
Delta R.T. 0.000 min
Lab File: VD069848.D
Acq: 26 Jul 2021 15:26

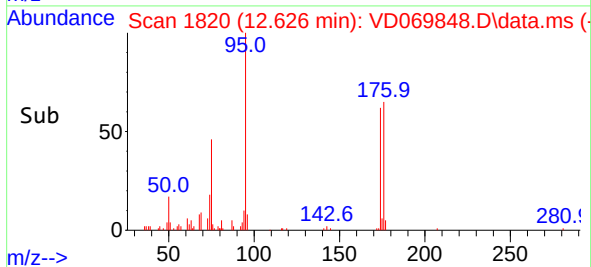
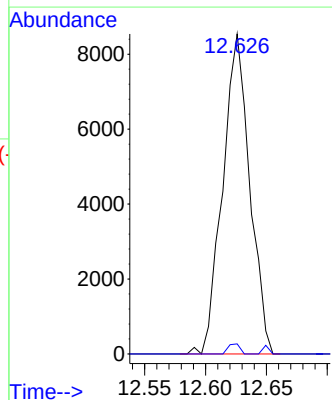
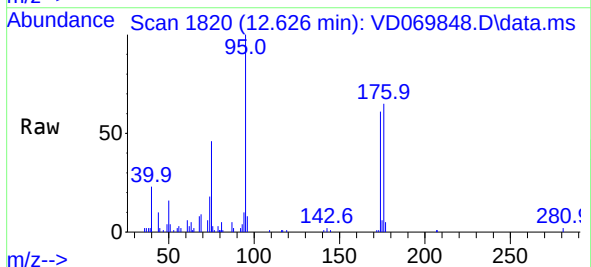
Instrument :
MSVOA_D
ClientSampled :

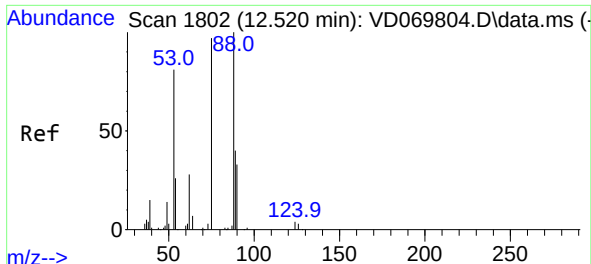
Tgt Ion:152 Resp: 29392
Ion Ratio Lower Upper
152 100
115 61.7 31.1 93.3
150 158.4 0.0 343.0



#76
1,2,3-Trichloropropane
Concen: 42.261 ug/l
RT: 12.626 min Scan# 1820
Delta R.T. -0.147 min
Lab File: VD069848.D
Acq: 26 Jul 2021 15:26

Tgt Ion: 75 Resp: 13203
Ion Ratio Lower Upper
75 100
77 1.4 181.5 544.5#

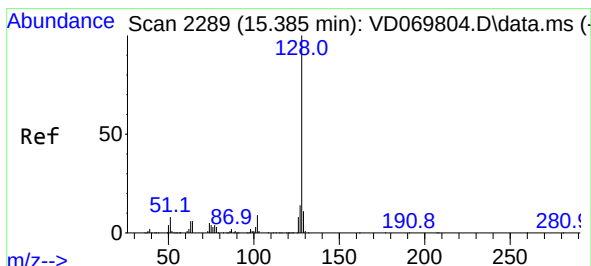
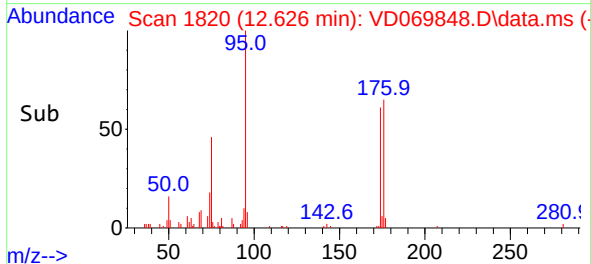
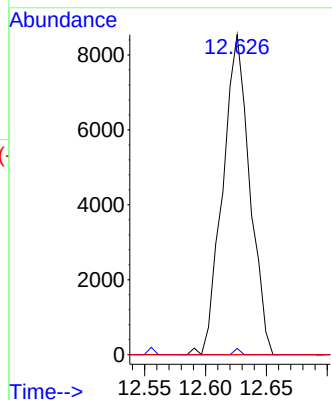
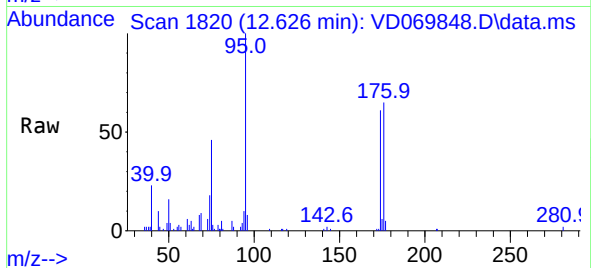




#81
trans-1,4-Dichloro-2-butene
Concen: 128.209 ug/l
RT: 12.626 min Scan# 1820
Delta R.T. 0.106 min
Lab File: VD069848.D
Acq: 26 Jul 2021 15:26

Instrument :
MSVOA_D
ClientSampled :

Tgt Ion: 75 Resp: 13203
Ion Ratio Lower Upper
75 100
53 0.4 67.2 100.8#
89 0.0 35.8 53.6#



#95
Naphthalene
Concen: 5.207 ug/l
RT: 15.379 min Scan# 2288
Delta R.T. -0.006 min
Lab File: VD069848.D
Acq: 26 Jul 2021 15:26

Tgt Ion:128 Resp: 223
Ion Ratio Lower Upper
128 100
127 42.6 10.6 16.0#
129 24.7 8.6 12.8#

