

Data Path : Z:\voasrv\HPCHEM1\MSVOA_D\Data\VD050321\
 Data File : VD069048.D
 Acq On : 03 May 2021 18:14
 Operator : VA/SY
 Sample : M2234-02
 Misc : 5.06G/5.00ml/MSVOA_D/SOIL
 ALS Vial : 16 Sample Multiplier: 1

Instrument :
 MSVOA_D
 ClientSampleId :

Quant Time: May 04 04:15:00 2021
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_D\Method\82D050321S.M
 Quant Title : SW846 8260
 QLast Update : Tue May 04 03:51:01 2021
 Response via : Initial Calibration

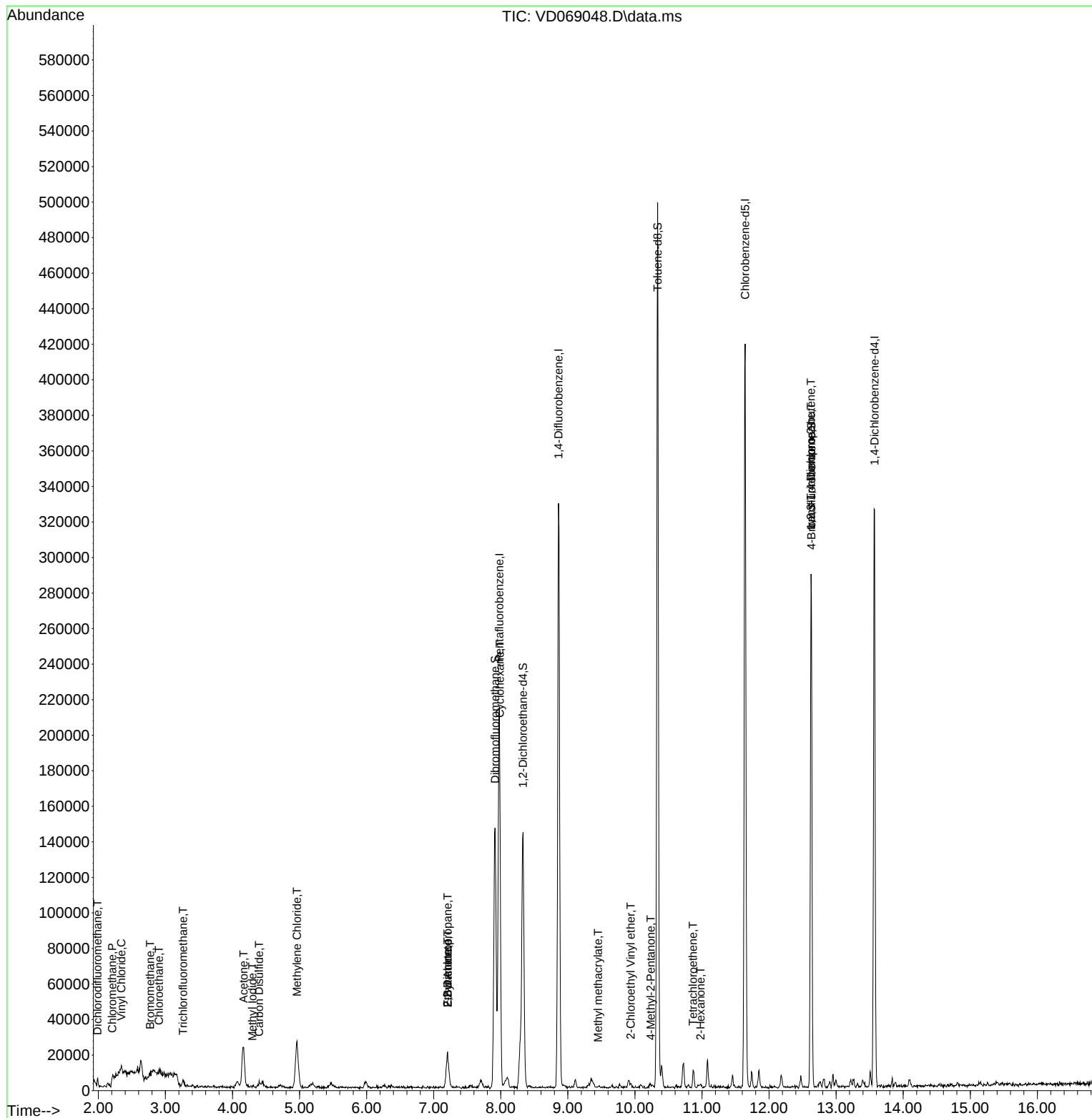
Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
Internal Standards						
1) Pentafluorobenzene	7.979	168	145262	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.861	114	271442	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.643	117	239300	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.573	152	82884	50.00	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.332	65	112833	61.51	ug/l	0.00
Spiked Amount	50.000	Range	50 - 163	Recovery	= 123.02%	
35) Dibromofluoromethane	7.914	113	103066	57.42	ug/l	0.00
Spiked Amount	50.000	Range	54 - 147	Recovery	= 114.84%	
50) Toluene-d8	10.338	98	316497	47.60	ug/l	0.00
Spiked Amount	50.000	Range	49 - 140	Recovery	= 95.20%	
62) 4-Bromofluorobenzene	12.632	95	87837	39.14	ug/l	0.00
Spiked Amount	50.000	Range	25 - 144	Recovery	= 78.28%	
Target Compounds						Qvalue
2) Dichlorodifluoromethane	1.985	85	2118	1.22	ug/l	# 71
3) Chloromethane	2.209	50	2559	1.18	ug/l	100
4) Vinyl Chloride	2.344	62	2731	1.01	ug/l	94
5) Bromomethane	2.773	94	2120	1.39	ug/l	87
6) Chloroethane	2.903	64	761	3.20	ug/l	# 42
7) Trichlorofluoromethane	3.262	101	3309	1.08	ug/l	88
10) Methyl Iodide	4.297	142	751	1.46	ug/l	# 71
11) Tert butyl alcohol	5.197	59	2722	Below Cal	#	73
16) Acetone	4.167	43	39337	135.32	ug/l	97
17) Carbon Disulfide	4.397	76	5198	1.03	ug/l	99
20) Methylene Chloride	4.961	84	19327	4.01	ug/l	# 91
25) 2-Butanone	7.208	43	10752	26.25	ug/l	# 87
26) 2,2-Dichloropropane	7.208	77	2905	1.03	ug/l	# 68
31) Cyclohexane	7.985	56	5997	2.22	ug/l	# 36
37) Ethyl Acetate	7.208	43	10752	10.25	ug/l	# 80
48) Methyl methacrylate	9.449	41	335	1.26	ug/l	# 14
51) 4-Methyl-2-Pentanone	10.238	43	1491	1.44	ug/l	# 84
58) 2-Chloroethyl Vinyl ether	9.938	63	1140	1.32	ug/l	92
59) 2-Hexanone	10.979	43	1170	1.66	ug/l	98
64) Tetrachloroethene	10.867	164	2154	1.46	ug/l	# 58
76) 1,2,3-Trichloropropane	12.626	75	47820	60.44	ug/l	# 100
81) trans-1,4-Dichloro-2-b...	12.626	75	47820	143.08	ug/l	# 16

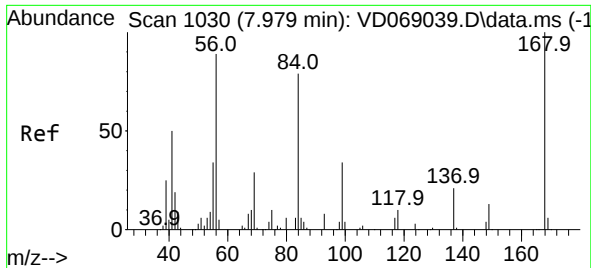
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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Quant Time: May 04 04:15:00 2021
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_D\Method\82D050321S.M
Quant Title : SW846 8260
QLast Update : Tue May 04 03:51:01 2021
Response via : Initial Calibration

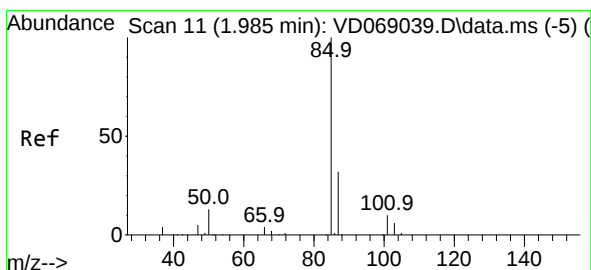
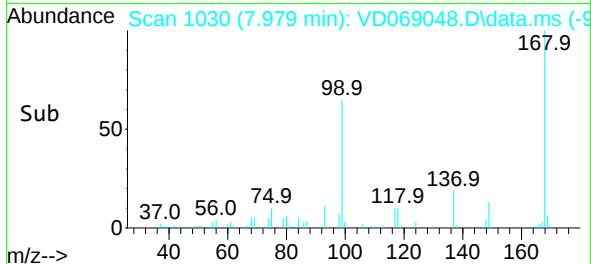
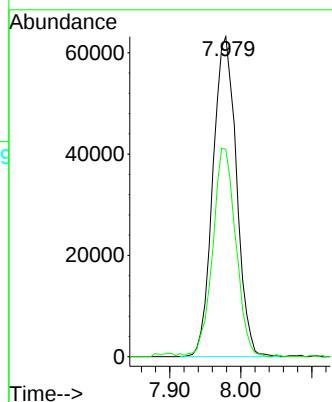
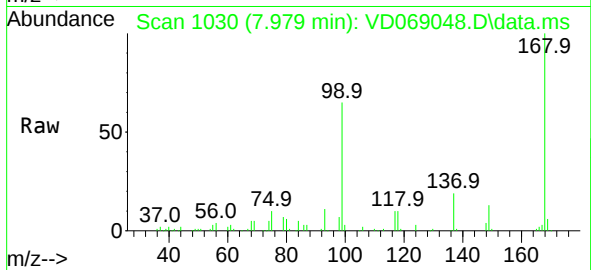




#1
Pentafluorobenzene
Concen: 50.00 ug/l
RT: 7.979 min Scan# 1030
Delta R.T. -0.000 min
Lab File: VD069048.D
Acq: 03 May 2021 18:14

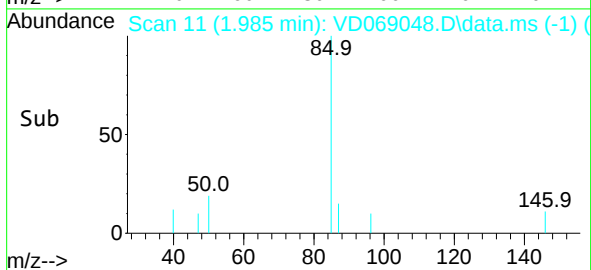
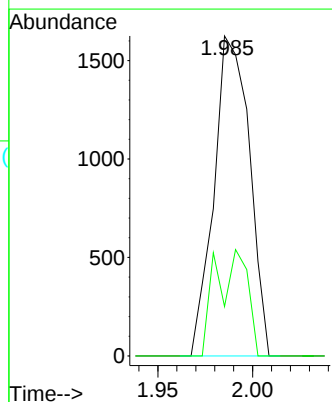
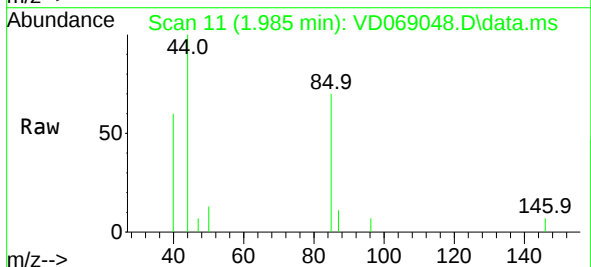
Instrument :
MSVOA_D
ClientSampled :

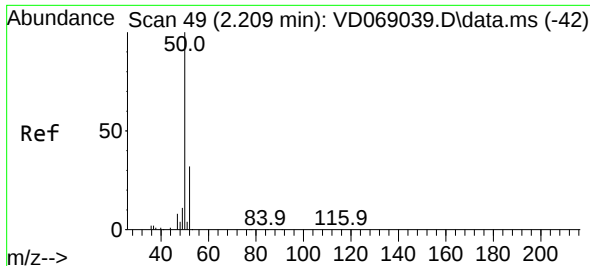
Tgt Ion:168 Resp: 145262
Ion Ratio Lower Upper
168 100
99 64.5 46.2 69.2



#2
Dichlorodifluoromethane
Concen: 1.22 ug/l
RT: 1.985 min Scan# 11
Delta R.T. 0.000 min
Lab File: VD069048.D
Acq: 03 May 2021 18:14

Tgt Ion: 85 Resp: 2118
Ion Ratio Lower Upper
85 100
87 15.4 15.7 47.0#

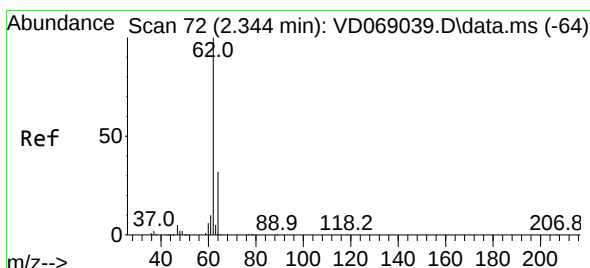
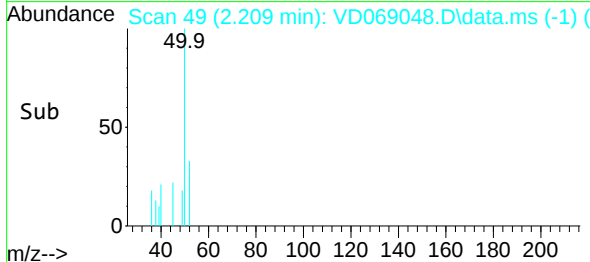
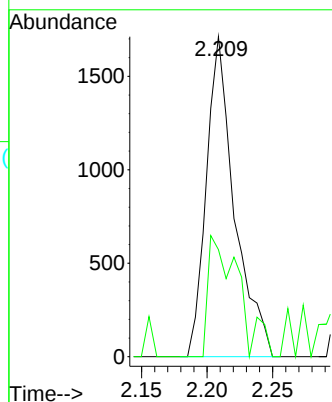
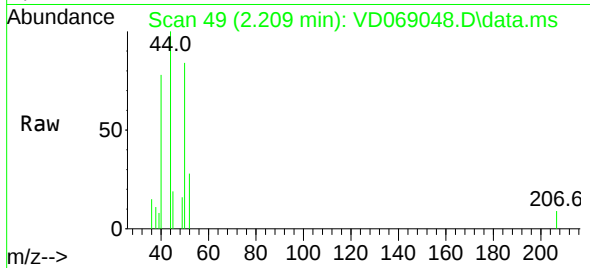




#3
Chloromethane
Concen: 1.18 ug/l
RT: 2.209 min Scan# 49
Delta R.T. -0.000 min
Lab File: VD069048.D
Acq: 03 May 2021 18:14

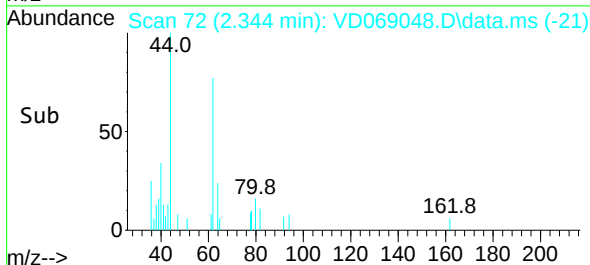
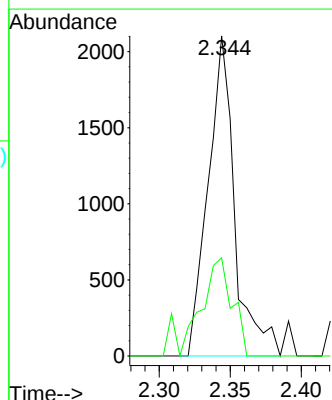
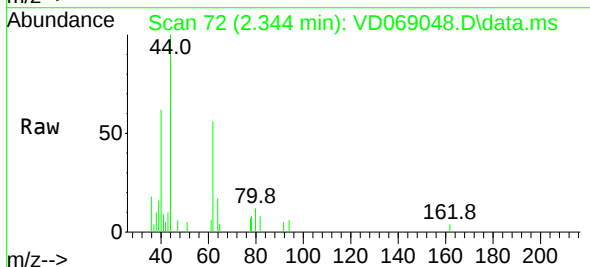
Instrument :
MSVOA_D
ClientSampled :

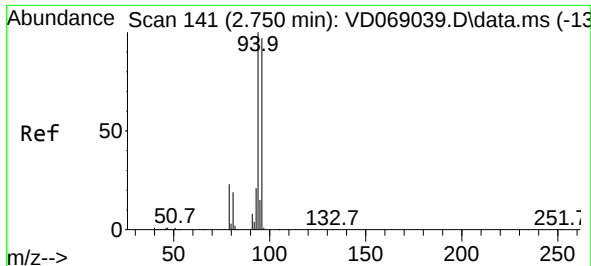
Tgt Ion: 50 Resp: 2559
Ion Ratio Lower Upper
50 100
52 33.5 26.7 40.1



#4
Vinyl Chloride
Concen: 1.01 ug/l
RT: 2.344 min Scan# 72
Delta R.T. -0.000 min
Lab File: VD069048.D
Acq: 03 May 2021 18:14

Tgt Ion: 62 Resp: 2731
Ion Ratio Lower Upper
62 100
64 30.7 27.1 40.7

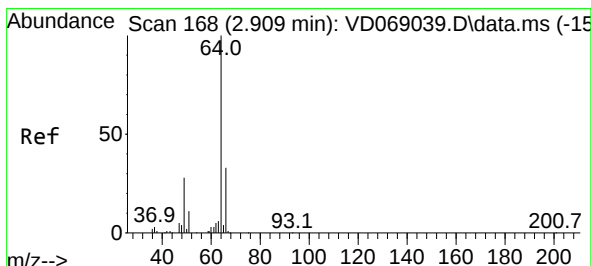
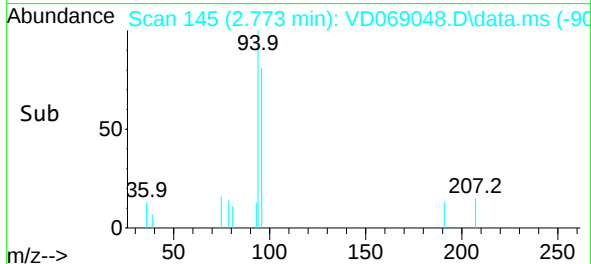
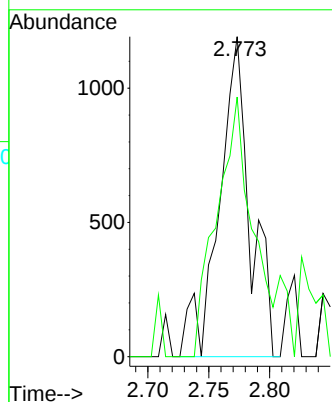
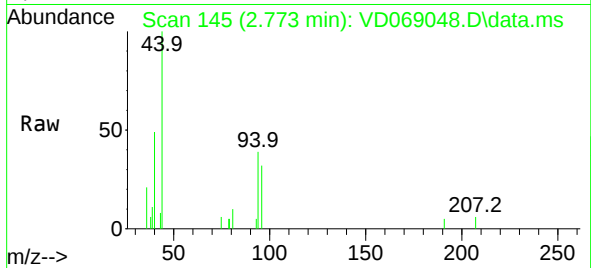




#5
Bromomethane
Concen: 1.39 ug/l
RT: 2.773 min Scan# 145
Delta R.T. 0.023 min
Lab File: VD069048.D
Acq: 03 May 2021 18:14

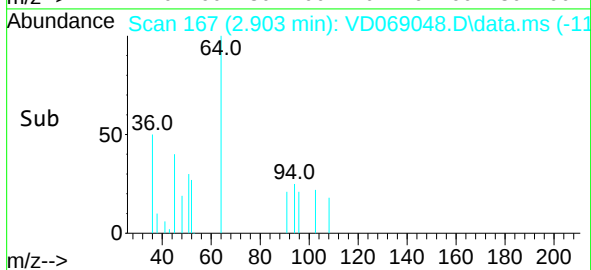
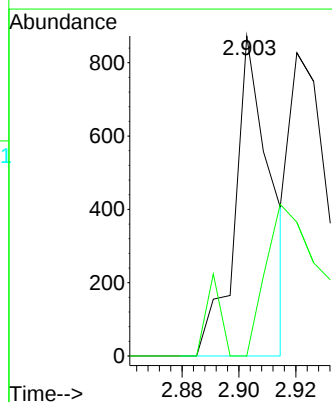
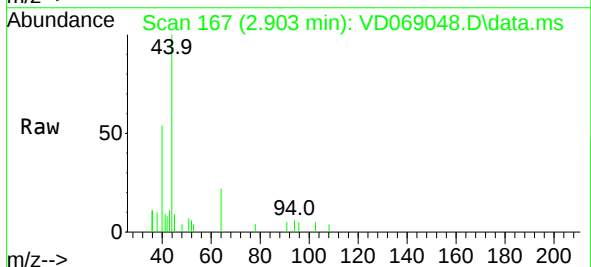
Instrument :
MSVOA_D
ClientSampled :

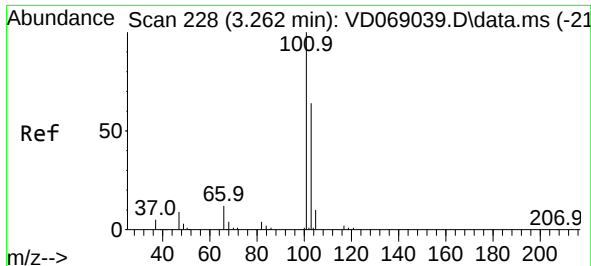
Tgt Ion: 94 Resp: 2120
Ion Ratio Lower Upper
94 100
96 81.1 74.7 112.1



#6
Chloroethane
Concen: 3.20 ug/l
RT: 2.903 min Scan# 167
Delta R.T. -0.006 min
Lab File: VD069048.D
Acq: 03 May 2021 18:14

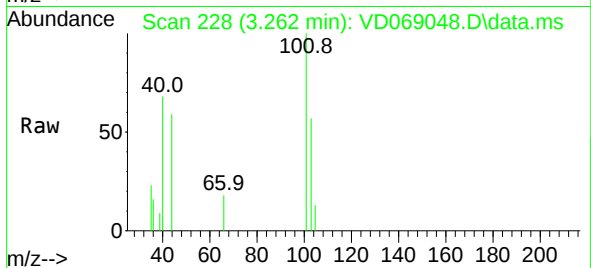
Tgt Ion: 64 Resp: 761
Ion Ratio Lower Upper
64 100
66 0.0 26.0 39.0#



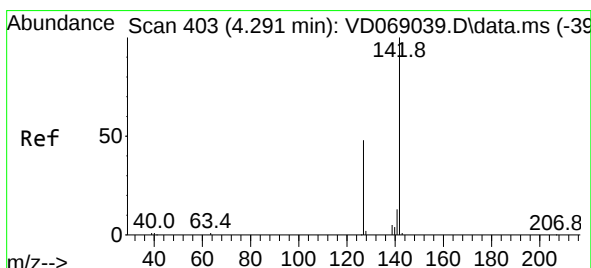
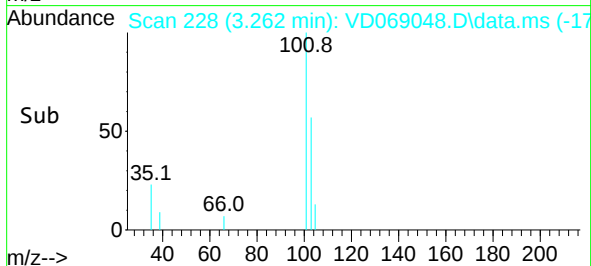
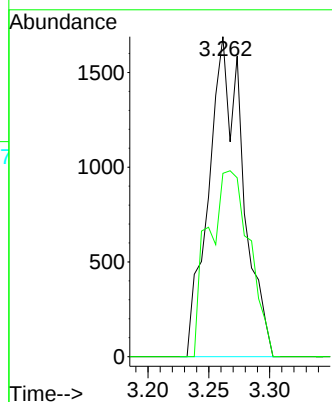


#7
Trichlorofluoromethane
Concen: 1.08 ug/l
RT: 3.262 min Scan# 228
Delta R.T. -0.000 min
Lab File: VD069048.D
Acq: 03 May 2021 18:14

Instrument :
MSVOA_D
ClientSampleId :

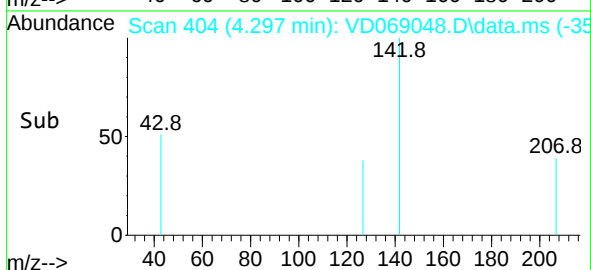
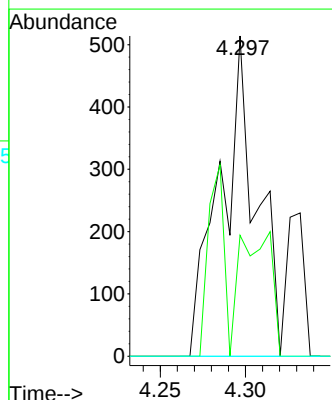
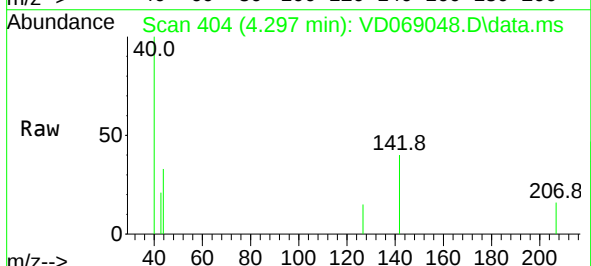


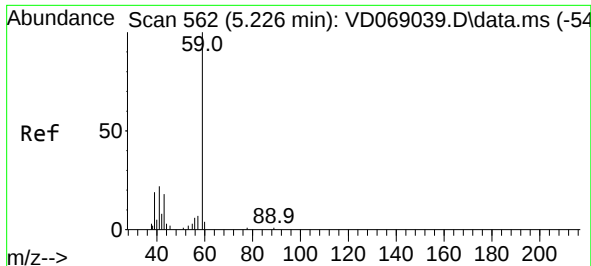
Tgt Ion:101 Resp: 3309
Ion Ratio Lower Upper
101 100
103 57.3 53.4 80.2



#10
Methyl Iodide
Concen: 1.46 ug/l
RT: 4.297 min Scan# 404
Delta R.T. 0.006 min
Lab File: VD069048.D
Acq: 03 May 2021 18:14

Tgt Ion:142 Resp: 751
Ion Ratio Lower Upper
142 100
127 26.0 34.7 52.1#
141 0.0 11.0 16.4#



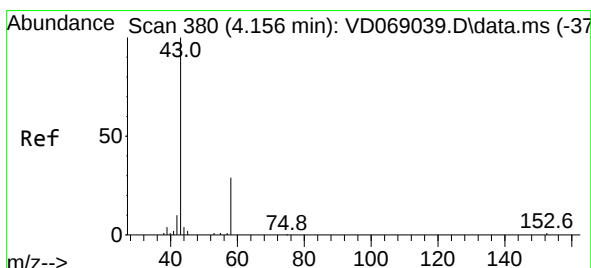
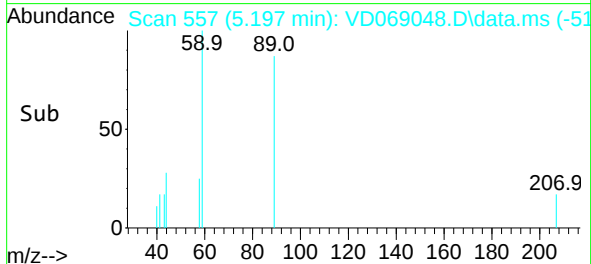
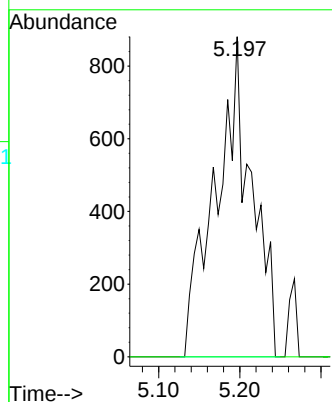
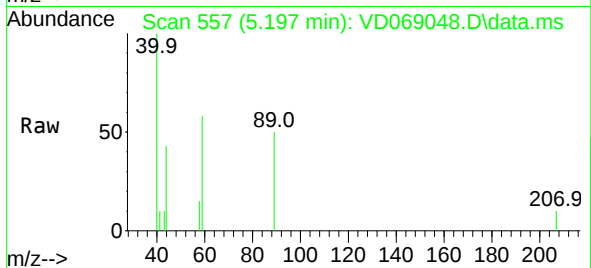


#11

Tert butyl alcohol
Concen: Below Cal
RT: 5.197 min Scan# 557
Delta R.T. -0.029 min
Lab File: VD069048.D
Acq: 03 May 2021 18:14

Instrument :
MSVOA_D
ClientSampled :

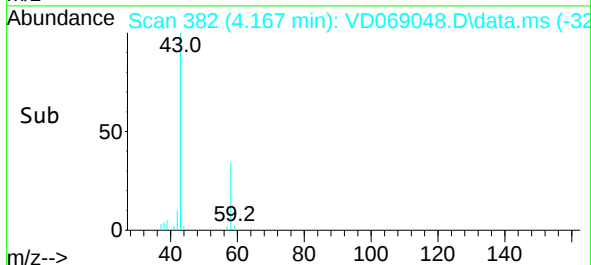
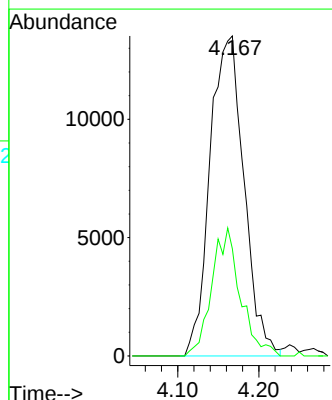
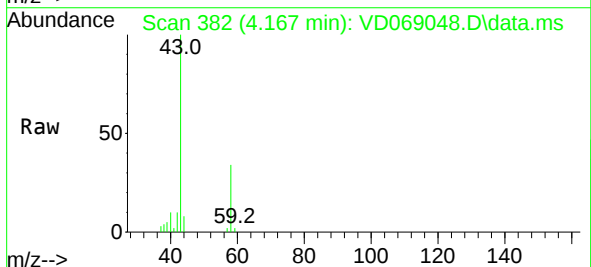
Tgt Ion: 59 Resp: 2722
Ion Ratio Lower Upper
59 100
57 0.0 7.8 11.8#

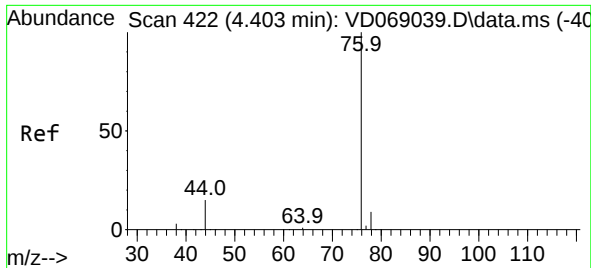


#16

Acetone
Concen: 135.32 ug/l
RT: 4.167 min Scan# 382
Delta R.T. 0.011 min
Lab File: VD069048.D
Acq: 03 May 2021 18:14

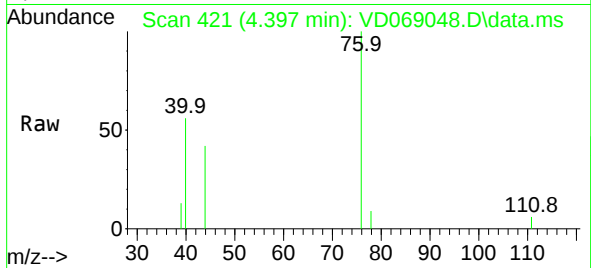
Tgt Ion: 43 Resp: 39337
Ion Ratio Lower Upper
43 100
58 33.5 28.0 42.0



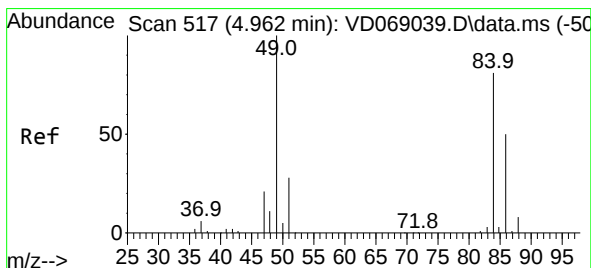
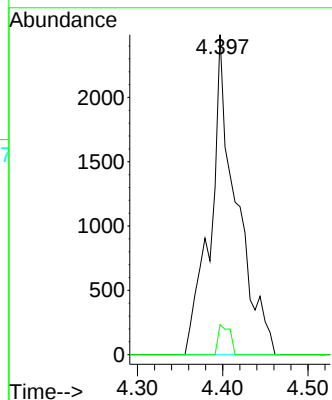
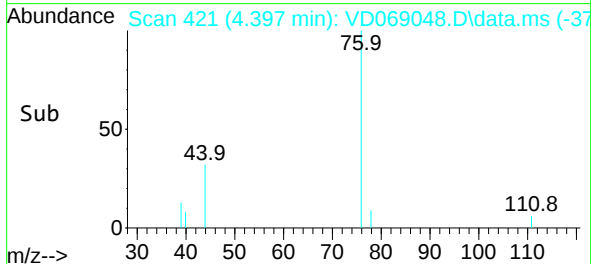


#17
Carbon Disulfide
Concen: 1.03 ug/l
RT: 4.397 min Scan# 421
Delta R.T. -0.006 min
Lab File: VD069048.D
Acq: 03 May 2021 18:14

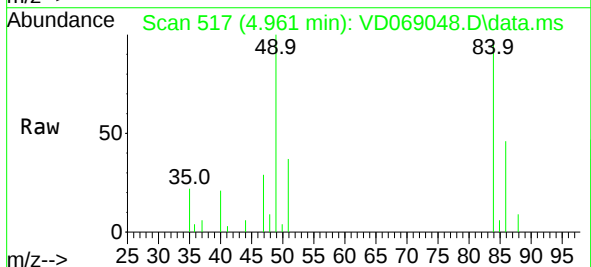
Instrument :
MSVOA_D
ClientSampled :



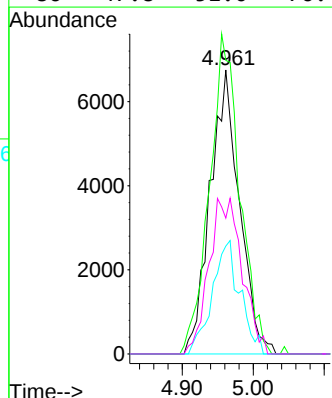
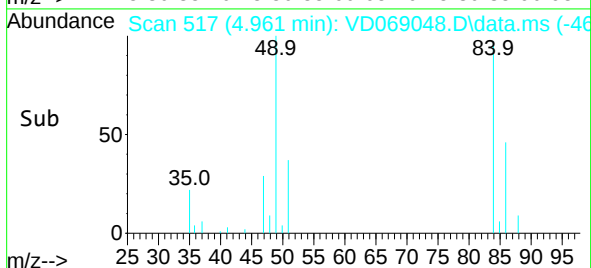
Tgt Ion: 76 Resp: 5198
Ion Ratio Lower Upper
76 100
78 9.4 7.3 10.9

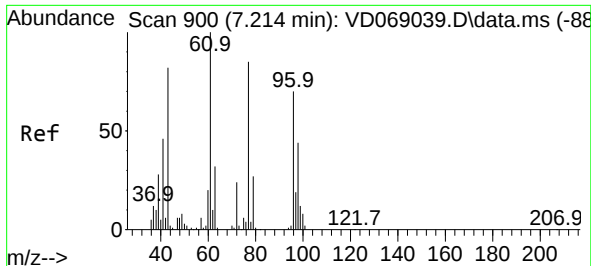


#20
Methylene Chloride
Concen: 4.01 ug/l
RT: 4.961 min Scan# 517
Delta R.T. -0.001 min
Lab File: VD069048.D
Acq: 03 May 2021 18:14



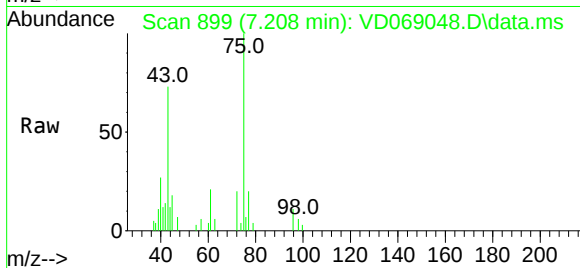
Tgt Ion: 84 Resp: 19327
Ion Ratio Lower Upper
84 100
49 103.4 83.4 125.0
51 38.0 23.4 35.2#
86 47.8 51.0 76.4#



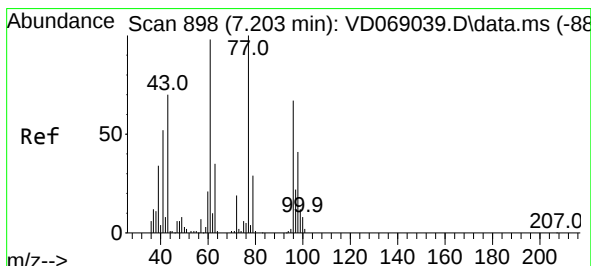
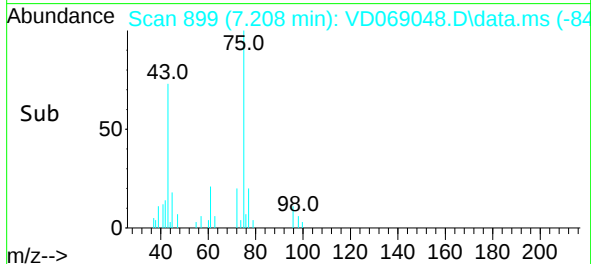
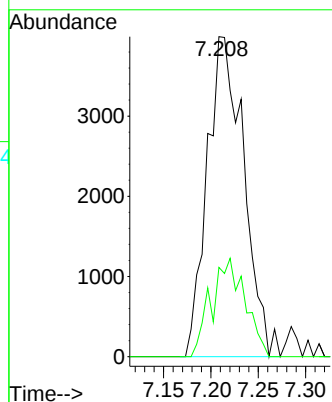


#25
2-Butanone
Concen: 26.25 ug/l
RT: 7.208 min Scan# 899
Delta R.T. -0.006 min
Lab File: VD069048.D
Acq: 03 May 2021 18:14

Instrument :
MSVOA_D
ClientSampled :

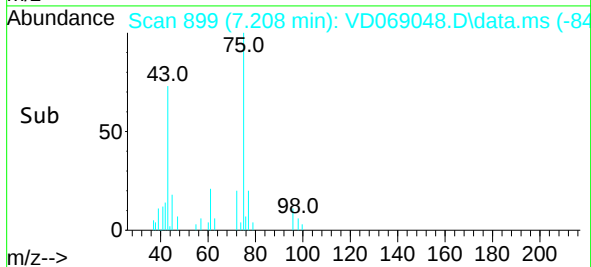
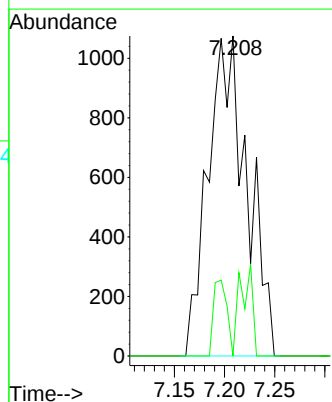
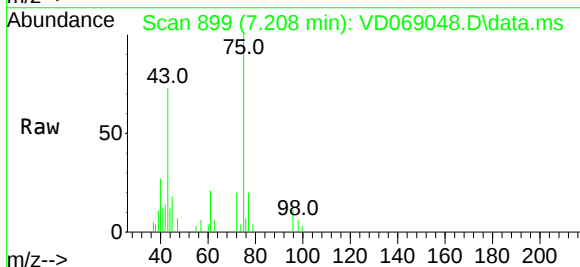


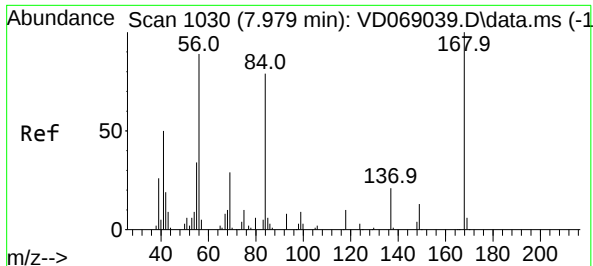
Tgt Ion: 43 Resp: 10752
Ion Ratio Lower Upper
43 100
72 27.9 28.6 43.0#



#26
2,2-Dichloropropane
Concen: 1.03 ug/l
RT: 7.208 min Scan# 899
Delta R.T. 0.005 min
Lab File: VD069048.D
Acq: 03 May 2021 18:14

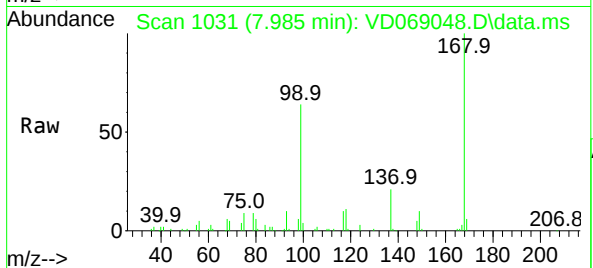
Tgt Ion: 77 Resp: 2905
Ion Ratio Lower Upper
77 100
97 8.2 12.0 36.1#



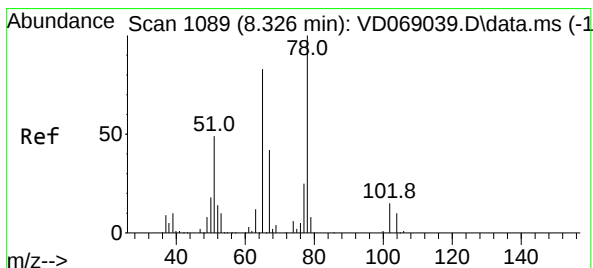
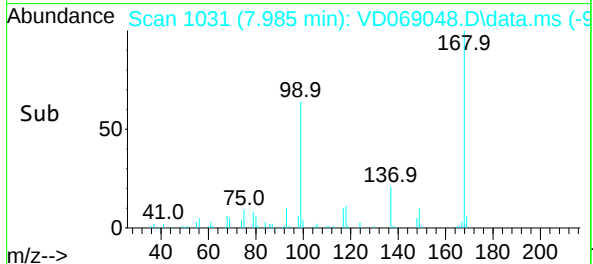
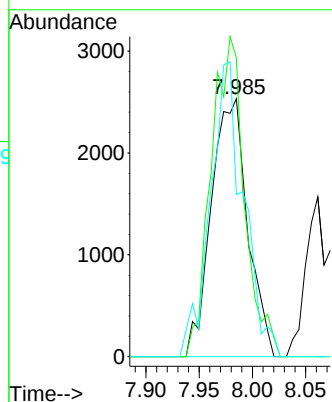


#31
Cyclohexane
Concen: 2.22 ug/l
RT: 7.985 min Scan# 1031
Delta R.T. 0.006 min
Lab File: VD069048.D
Acq: 03 May 2021 18:14

Instrument :
MSVOA_D
ClientSampled :

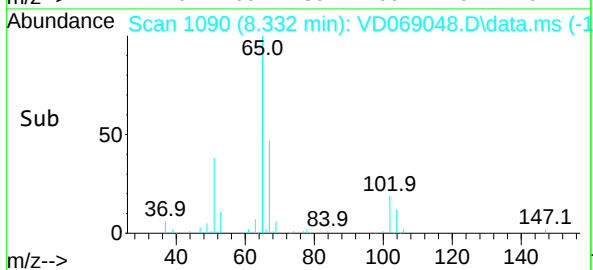
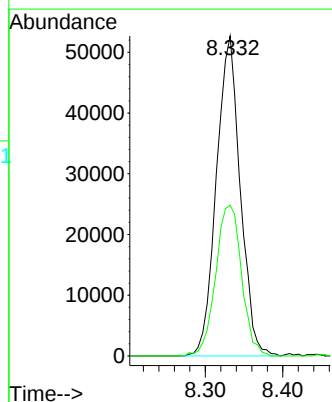
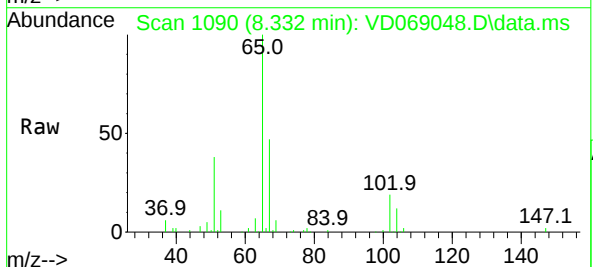


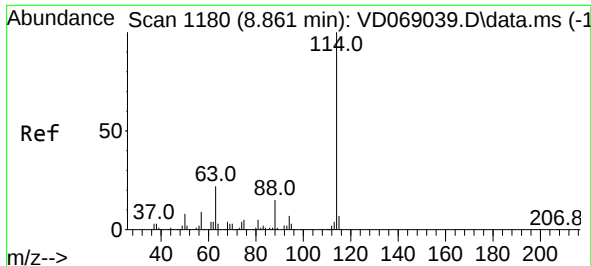
Tgt Ion: 56 Resp: 5997
Ion Ratio Lower Upper
56 100
69 115.8 30.0 45.0#
84 62.9 82.0 123.0#



#33
1,2-Dichloroethane-d4
Concen: 61.51 ug/l
RT: 8.332 min Scan# 1090
Delta R.T. 0.006 min
Lab File: VD069048.D
Acq: 03 May 2021 18:14

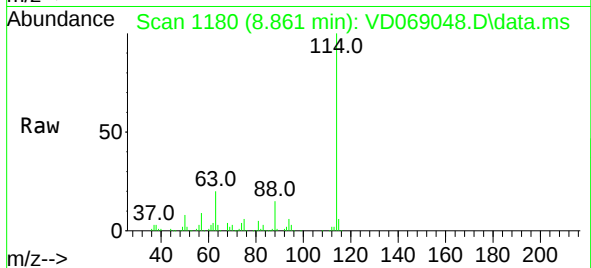
Tgt Ion: 65 Resp: 112833
Ion Ratio Lower Upper
65 100
67 51.2 0.0 106.0



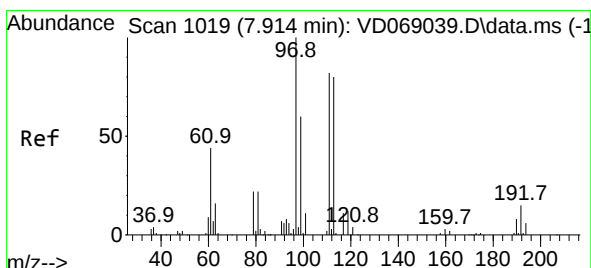
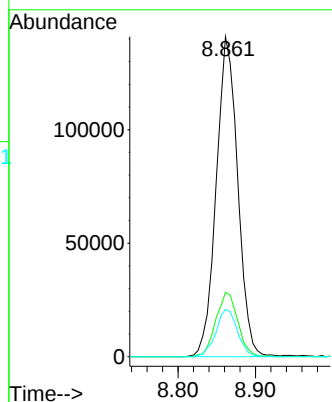
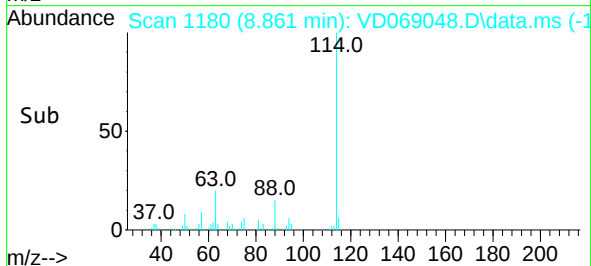


#34
1,4-Difluorobenzene
Concen: 50.00 ug/l
RT: 8.861 min Scan# 1180
Delta R.T. 0.000 min
Lab File: VD069048.D
Acq: 03 May 2021 18:14

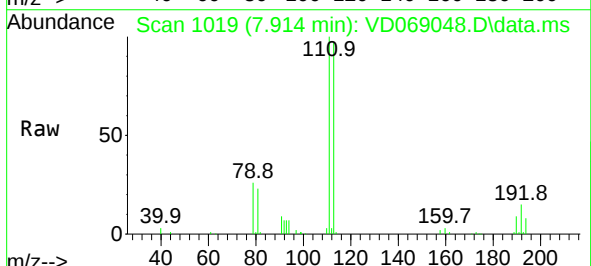
Instrument :
MSVOA_D
ClientSampled :



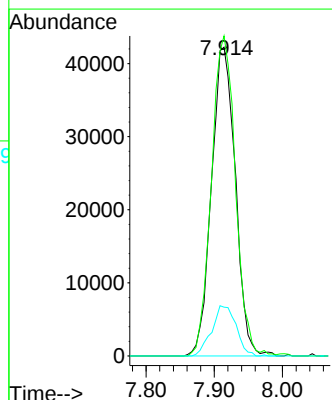
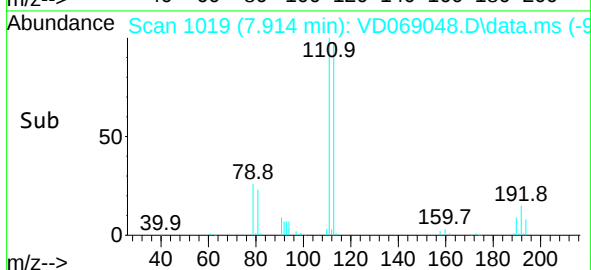
Tgt Ion:114 Resp: 271442
Ion Ratio Lower Upper
114 100
63 20.1 0.0 38.2
88 14.7 0.0 29.4

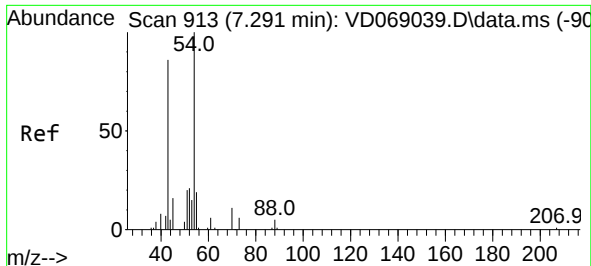


#35
Dibromofluoromethane
Concen: 57.42 ug/l
RT: 7.914 min Scan# 1019
Delta R.T. 0.000 min
Lab File: VD069048.D
Acq: 03 May 2021 18:14



Tgt Ion:113 Resp: 103066
Ion Ratio Lower Upper
113 100
111 104.0 82.5 123.7
192 16.5 15.1 22.7





#37

Ethyl Acetate

Concen: 10.25 ug/l

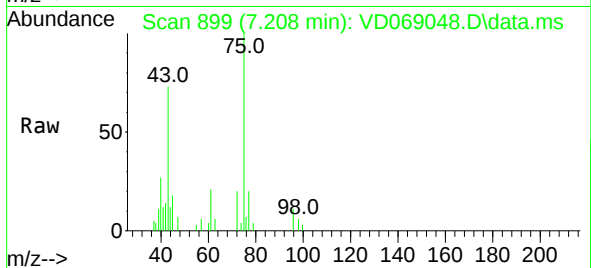
RT: 7.208 min Scan# 899

Delta R.T. -0.083 min

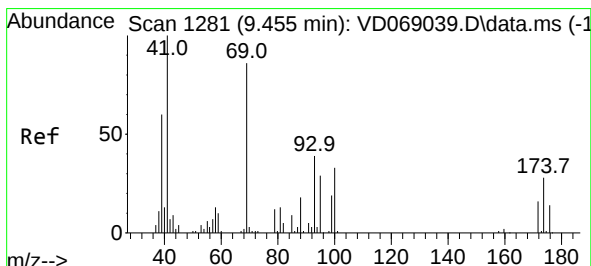
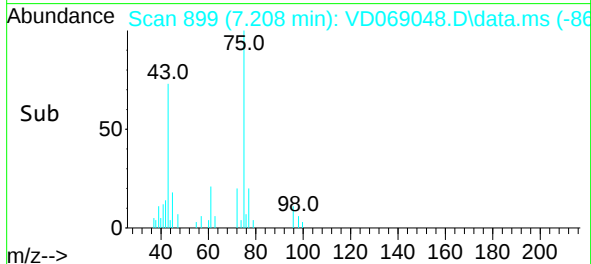
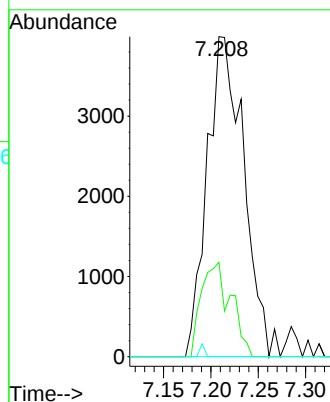
Lab File: VD069048.D

Acq: 03 May 2021 18:14

Instrument :
MSVOA_D
ClientSampleId :



Tgt Ion:	43	Resp:	10752
Ion Ratio	Lower	Upper	
43	100		
61	23.8	14.2	21.4#
70	0.5	9.4	14.0#



#48

Methyl methacrylate

Concen: 1.26 ug/l

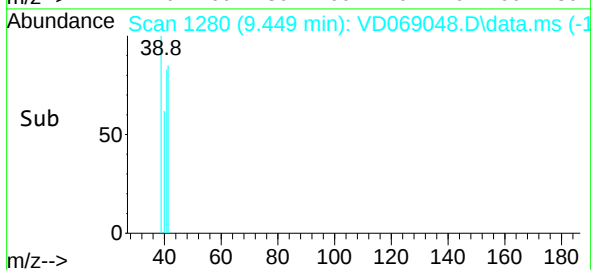
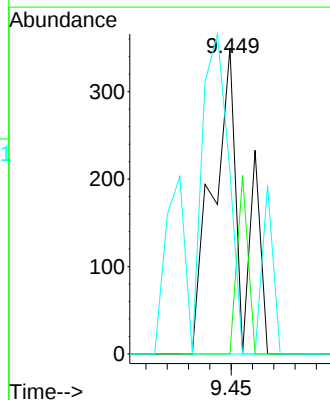
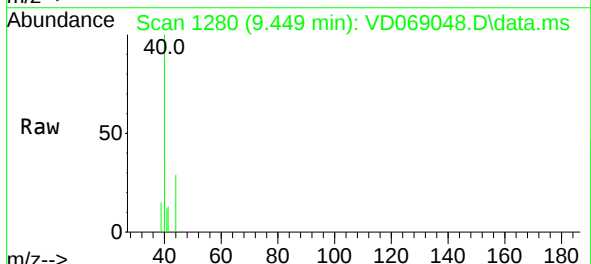
RT: 9.449 min Scan# 1280

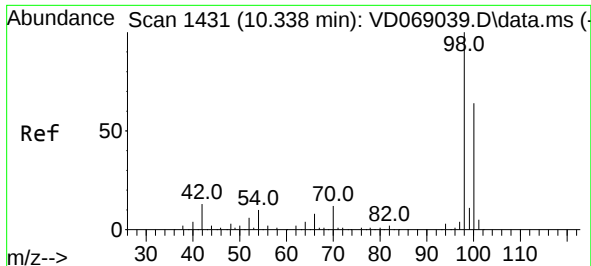
Delta R.T. -0.006 min

Lab File: VD069048.D

Acq: 03 May 2021 18:14

Tgt Ion:	41	Resp:	335
Ion Ratio	Lower	Upper	
41	100		
69	21.5	83.0	124.6#
39	131.3	47.0	70.6#

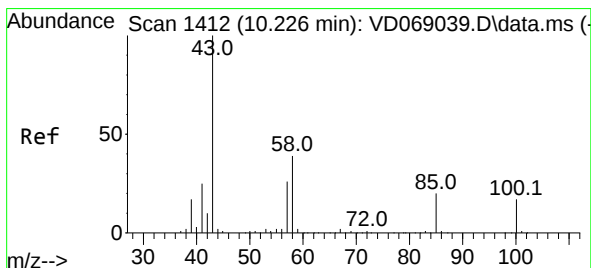
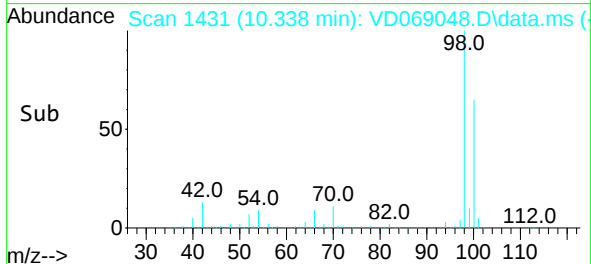
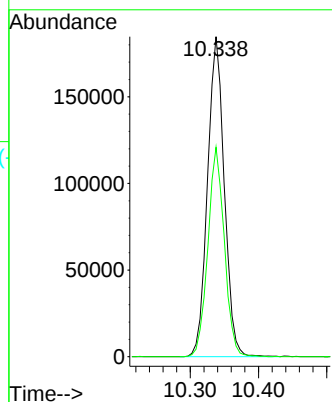
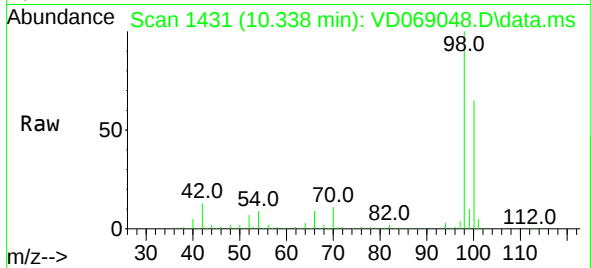




#50
Toluene-d8
Concen: 47.60 ug/l
RT: 10.338 min Scan# 1431
Delta R.T. -0.000 min
Lab File: VD069048.D
Acq: 03 May 2021 18:14

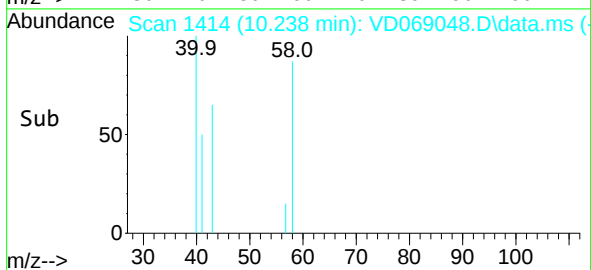
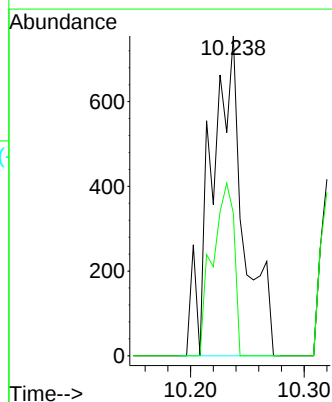
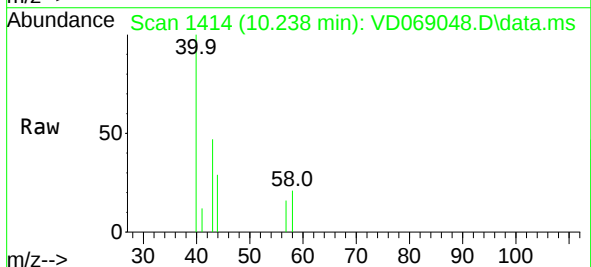
Instrument :
MSVOA_D
ClientSampled :

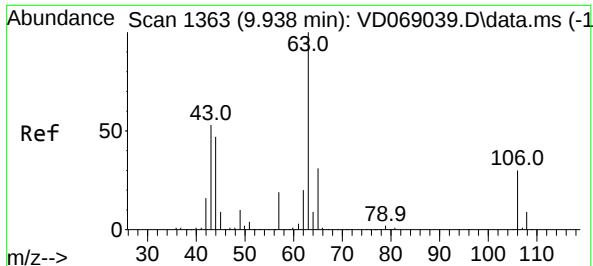
Tgt Ion: 98 Resp: 316497
Ion Ratio Lower Upper
98 100
100 64.3 51.8 77.6



#51
4-Methyl-2-Pentanone
Concen: 1.44 ug/l
RT: 10.238 min Scan# 1414
Delta R.T. 0.012 min
Lab File: VD069048.D
Acq: 03 May 2021 18:14

Tgt Ion: 43 Resp: 1491
Ion Ratio Lower Upper
43 100
58 36.3 37.3 55.9#

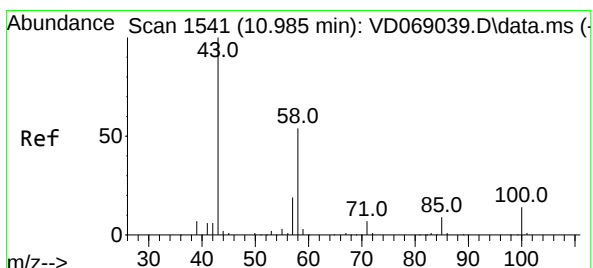
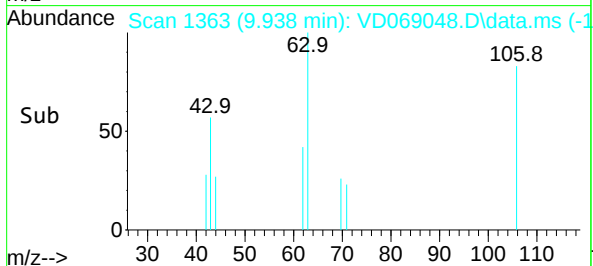
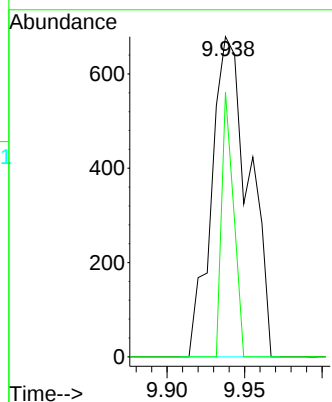
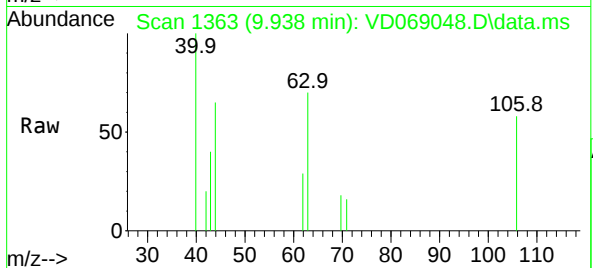




#58
2-Chloroethyl Vinyl ether
Concen: 1.32 ug/l
RT: 9.938 min Scan# 1363
Delta R.T. -0.000 min
Lab File: VD069048.D
Acq: 03 May 2021 18:14

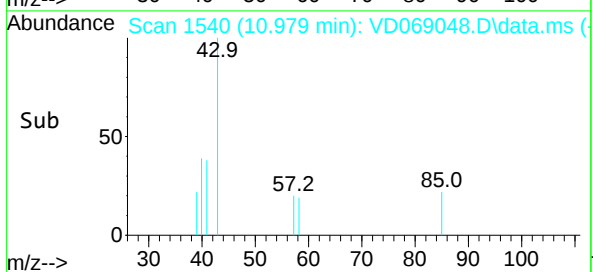
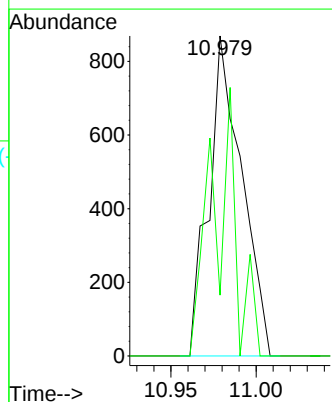
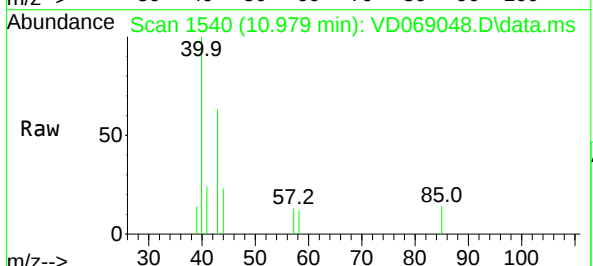
Instrument :
MSVOA_D
ClientSampled :

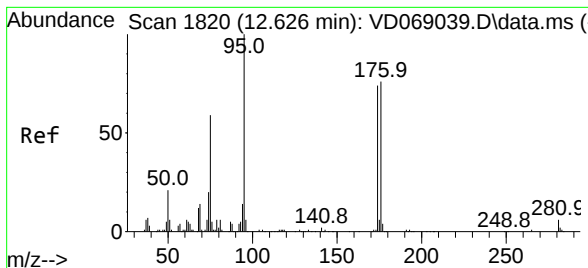
Tgt Ion: 63 Resp: 1140
Ion Ratio Lower Upper
63 100
106 26.2 24.6 36.8



#59
2-Hexanone
Concen: 1.66 ug/l
RT: 10.979 min Scan# 1540
Delta R.T. -0.006 min
Lab File: VD069048.D
Acq: 03 May 2021 18:14

Tgt Ion: 43 Resp: 1170
Ion Ratio Lower Upper
43 100
58 61.2 31.3 93.8

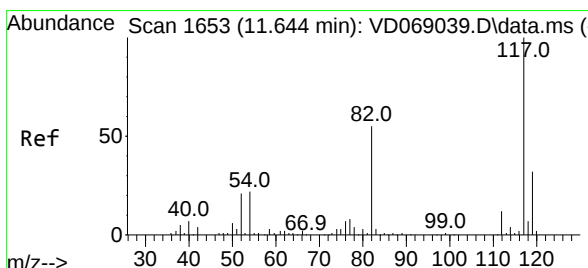
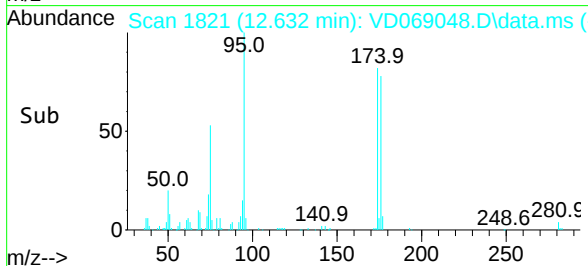
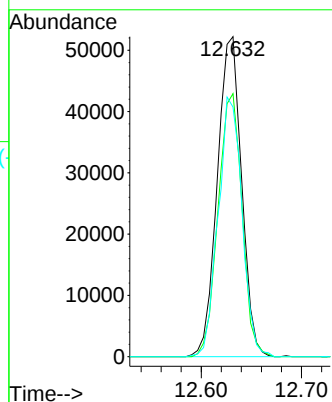
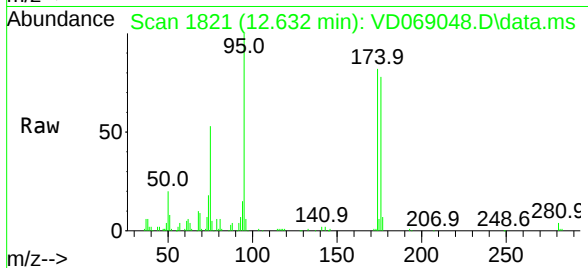




#62
4-Bromofluorobenzene
Concen: 39.14 ug/l
RT: 12.632 min Scan# 1821
Delta R.T. 0.006 min
Lab File: VD069048.D
Acq: 03 May 2021 18:14

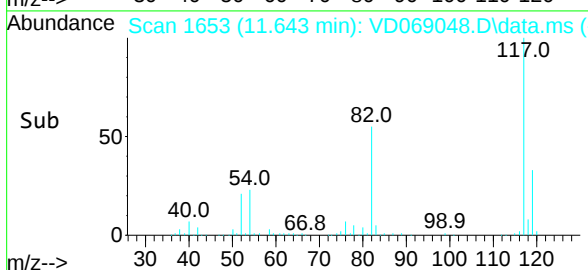
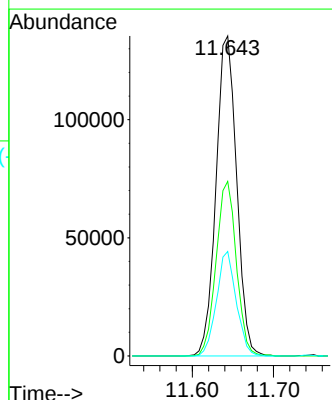
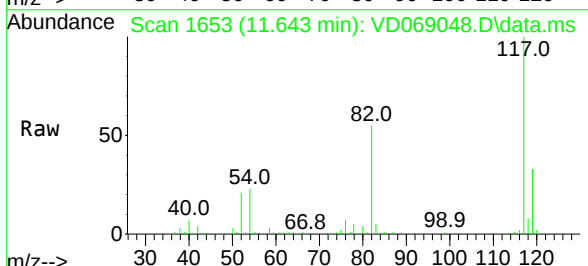
Instrument :
MSVOA_D
ClientSampled :

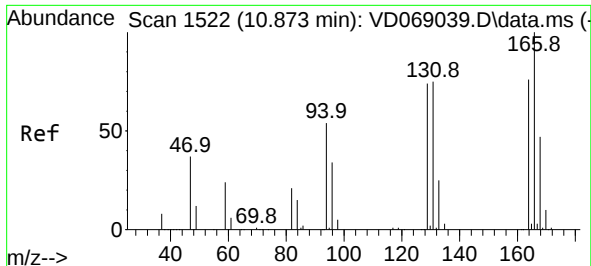
Tgt Ion: 95 Resp: 87837
Ion Ratio Lower Upper
95 100
174 81.0 0.0 168.0
176 79.7 0.0 160.2



#63
Chlorobenzene-d5
Concen: 50.00 ug/l
RT: 11.643 min Scan# 1653
Delta R.T. -0.001 min
Lab File: VD069048.D
Acq: 03 May 2021 18:14

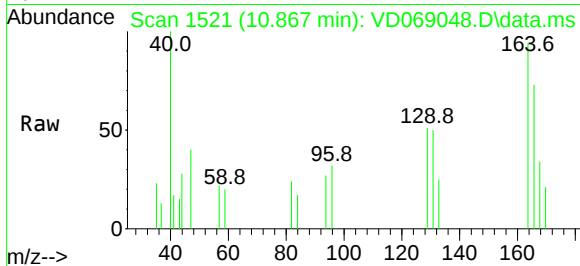
Tgt Ion: 117 Resp: 239300
Ion Ratio Lower Upper
117 100
82 54.6 43.5 65.3
119 32.7 26.7 40.1





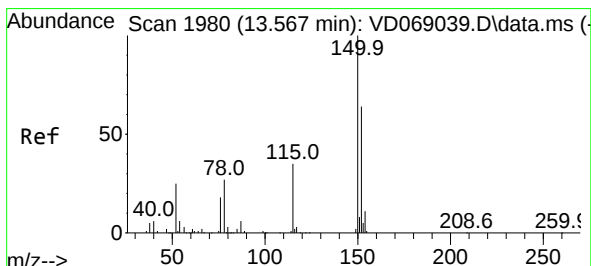
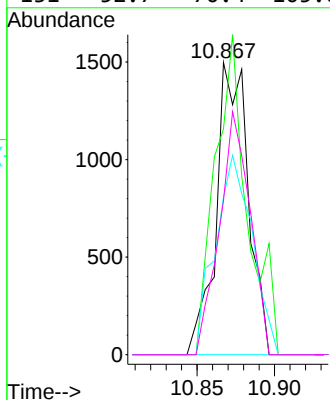
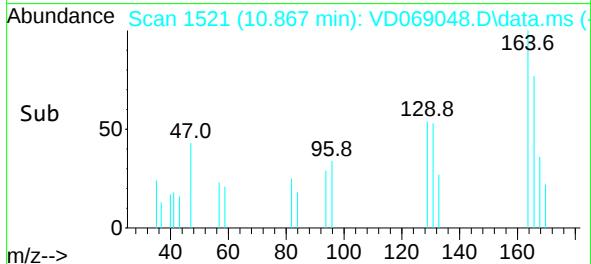
#64
Tetrachloroethene
Concen: 1.46 ug/l
RT: 10.867 min Scan# 1521
Delta R.T. -0.006 min
Lab File: VD069048.D
Acq: 03 May 2021 18:14

Instrument :
MSVOA_D
ClientSampleId :

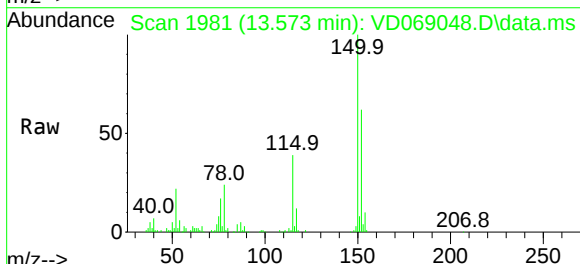


Tgt Ion:164 Resp: 2154

Ion	Ratio	Lower	Upper
164	100		
166	77.2	103.0	154.6#
129	53.9	77.4	116.0#
131	52.7	70.4	105.6#

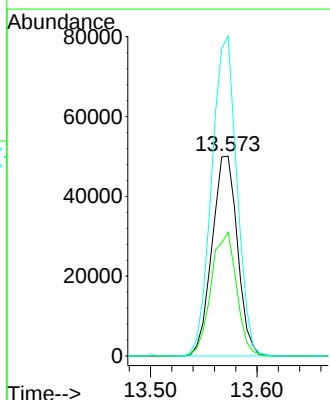
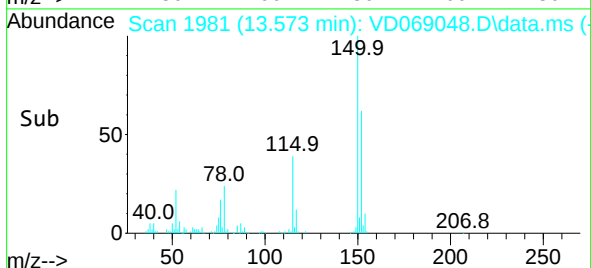


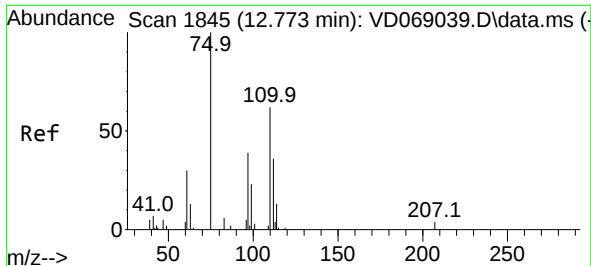
#72
1,4-Dichlorobenzene-d4
Concen: 50.00 ug/l
RT: 13.573 min Scan# 1981
Delta R.T. 0.006 min
Lab File: VD069048.D
Acq: 03 May 2021 18:14



Tgt Ion:152 Resp: 82884

Ion	Ratio	Lower	Upper
152	100		
115	61.9	29.3	87.8
150	158.3	0.0	347.6

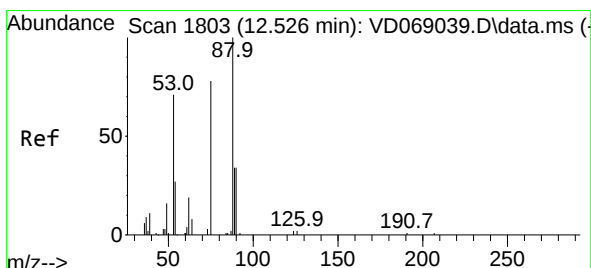
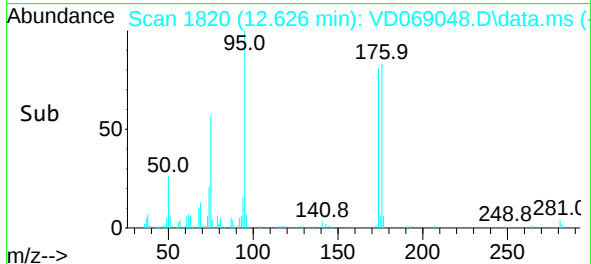
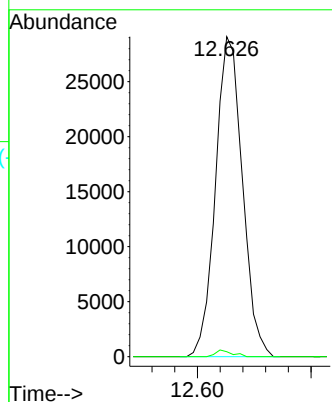
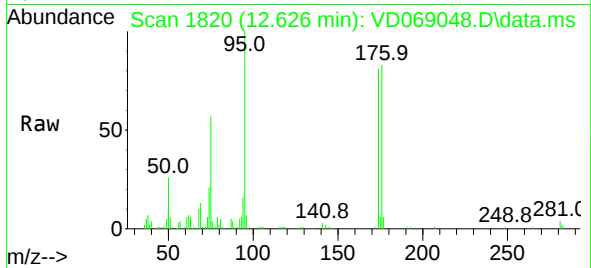




#76
1,2,3-Trichloropropane
Concen: 60.44 ug/l
RT: 12.626 min Scan# 1820
Delta R.T. -0.147 min
Lab File: VD069048.D
Acq: 03 May 2021 18:14

Instrument :
MSVOA_D
ClientSampled :

Tgt Ion: 75 Resp: 47820
Ion Ratio Lower Upper
75 100
77 1.3 0.0 0.0#



#81
trans-1,4-Dichloro-2-butene
Concen: 143.08 ug/l
RT: 12.626 min Scan# 1820
Delta R.T. 0.100 min
Lab File: VD069048.D
Acq: 03 May 2021 18:14

Tgt Ion: 75 Resp: 47820
Ion Ratio Lower Upper
75 100
53 0.0 66.8 100.2#
89 0.4 36.6 54.8#

