

Data Path : Z:\voasrv\HPCHEM1\MSVOA_D\Data\VD121021\
 Data File : VD071253.D
 Acq On : 10 Dec 2021 15:55
 Operator : VA/SY
 Sample : M4990-11RE
 Misc : 5.36G/5.00ml/MSVOA_D/SOIL
 ALS Vial : 1 Sample Multiplier: 1

Instrument :
 MSVOA_D
 ClientSampleId :

Quant Time: Dec 11 04:40:18 2021
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_D\Method\82D112921S.M
 Quant Title : SW846 8260
 QLast Update : Mon Nov 29 17:54:09 2021
 Response via : Initial Calibration

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

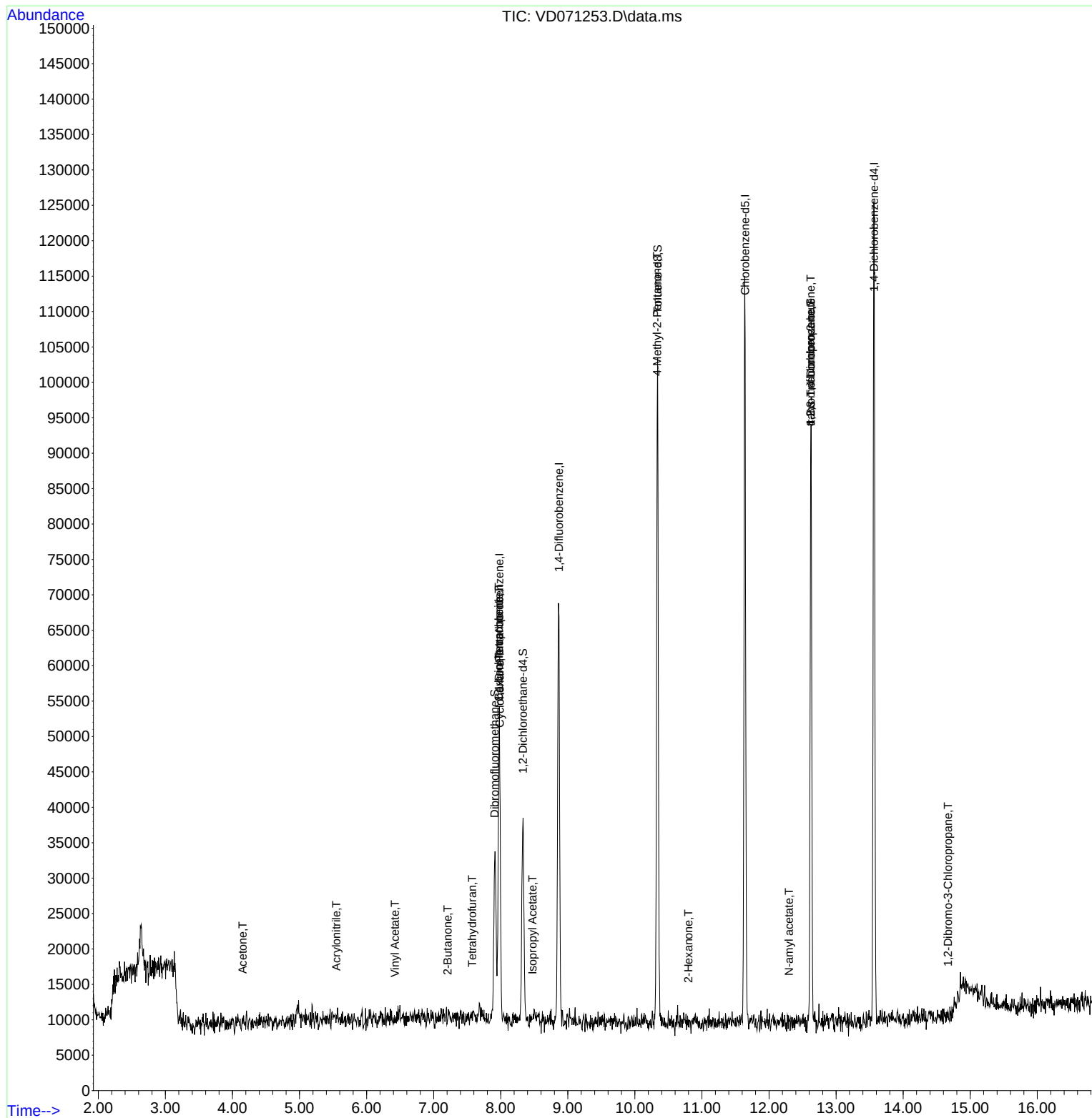
Internal Standards						
1) Pentafluorobenzene	7.979	168	27994	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.867	114	45791	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.644	117	53310	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.567	152	27525	50.00	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.332	65	22149	67.43	ug/l	0.00
Spiked Amount 50.000	Range 50 - 163		Recovery = 134.86%			
35) Dibromofluoromethane	7.909	113	15974	54.78	ug/l	-0.01
Spiked Amount 50.000	Range 54 - 147		Recovery = 109.56%			
50) Toluene-d8	10.338	98	58541	52.76	ug/l	0.00
Spiked Amount 50.000	Range 49 - 140		Recovery = 105.52%			
62) 4-Bromofluorobenzene	12.620	95	26264	68.28	ug/l	0.00
Spiked Amount 50.000	Range 25 - 144		Recovery = 136.56%			
Target Compounds					Qvalue	
11) Tert butyl alcohol	5.209	59	65	Below Cal	#	71
15) Acrylonitrile	5.550	53	65	1.03	ug/l #	19
16) Acetone	4.150	43	324	34.05	ug/l #	40
20) Methylene Chloride	4.956	84	443	Below Cal	#	41
23) Vinyl Acetate	6.420	43	58	27.31	ug/l #	72
25) 2-Butanone	7.209	43	57	28.86	ug/l #	45
29) Tetrahydrofuran	7.573	42	55	1.05	ug/l #	34
31) Cyclohexane	7.985	56	888	1.59	ug/l #	41
36) 1,1-Dichloropropene	7.973	75	2968	6.93	ug/l #	41
38) Carbon Tetrachloride	7.973	117	2892	6.86	ug/l #	12
41) Methacrylonitrile	7.656	41	57	Below Cal	#	1
43) Isopropyl Acetate	8.473	43	59	5.35	ug/l #	47
51) 4-Methyl-2-Pentanone	10.332	43	440	32.50	ug/l #	1
59) 2-Hexanone	10.797	43	57	34.89	ug/l #	22
74) N-amyl acetate	12.297	43	141	5.93	ug/l #	40
76) 1,2,3-Trichloropropane	12.620	75	15332	58.46	ug/l #	1
81) trans-1,4-Dichloro-2-b...	12.620	75	15332	126.73	ug/l #	18
92) 1,2-Dibromo-3-Chloropr...	14.667	75	133	2.49	ug/l #	4

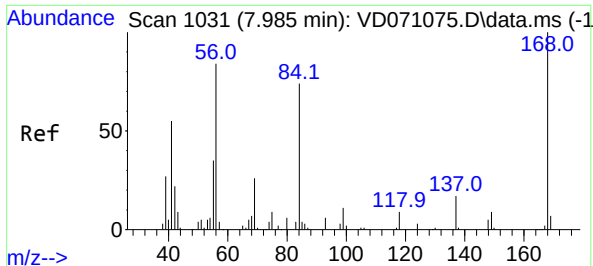
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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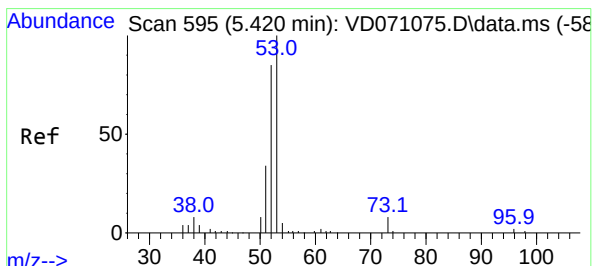
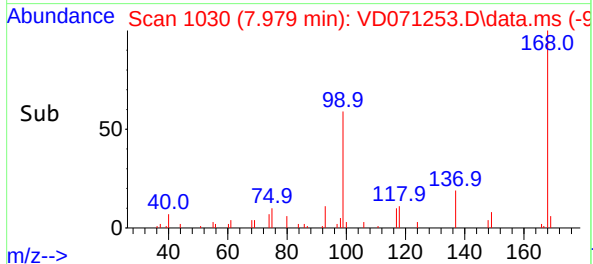
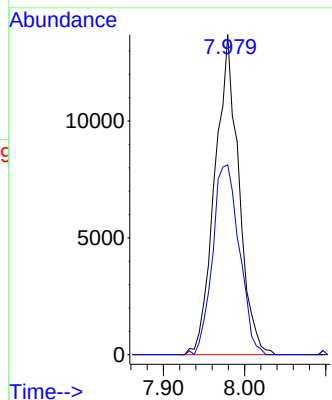
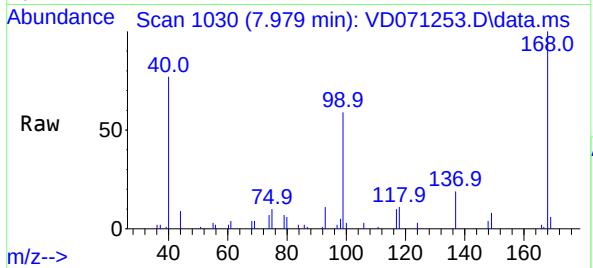




#1
Pentafluorobenzene
Concen: 50.00 ug/l
RT: 7.979 min Scan# 1031
Delta R.T. -0.006 min
Lab File: VD071253.D
Acq: 10 Dec 2021 15:55

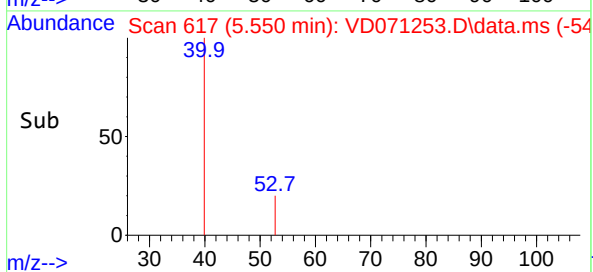
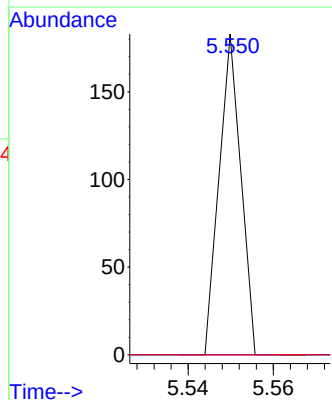
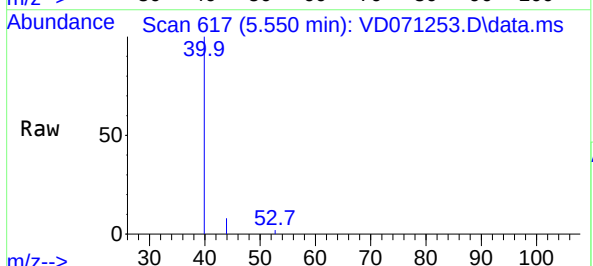
Instrument :
MSVOA_D
ClientSampleId :

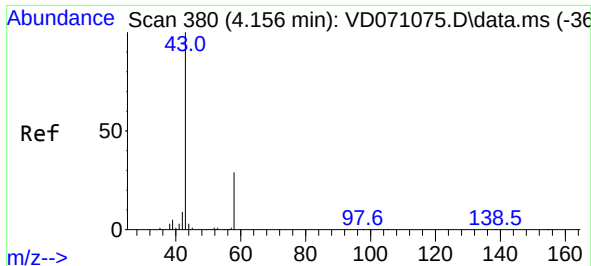
Tgt Ion:168 Resp: 27994
Ion Ratio Lower Upper
168 100
99 59.3 46.6 69.8



#15
Acrylonitrile
Concen: 1.03 ug/l
RT: 5.550 min Scan# 617
Delta R.T. 0.130 min
Lab File: VD071253.D
Acq: 10 Dec 2021 15:55

Tgt Ion: 53 Resp: 65
Ion Ratio Lower Upper
53 100
52 0.0 63.8 95.8#
51 0.0 28.5 42.7#

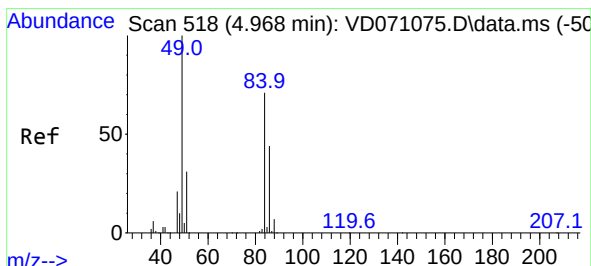
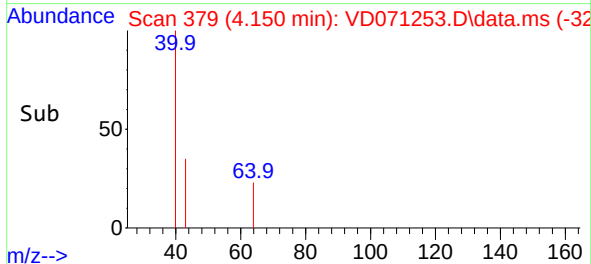
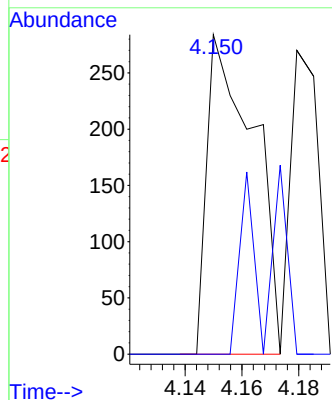
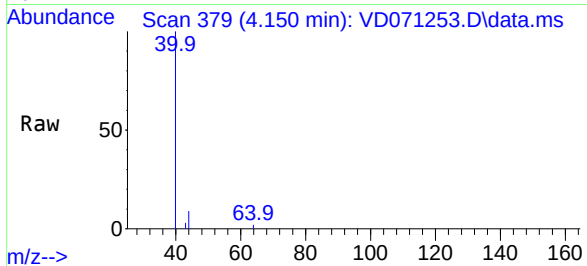




#16
Acetone
Concen: 34.05 ug/l
RT: 4.150 min Scan# 31
Delta R.T. -0.006 min
Lab File: VD071253.D
Acq: 10 Dec 2021 15:55

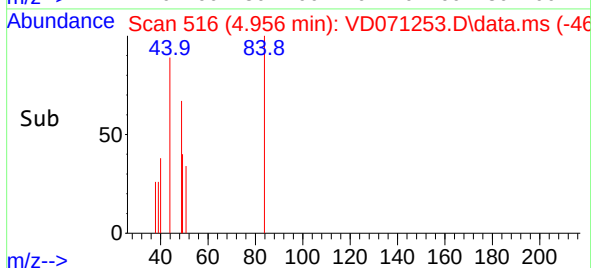
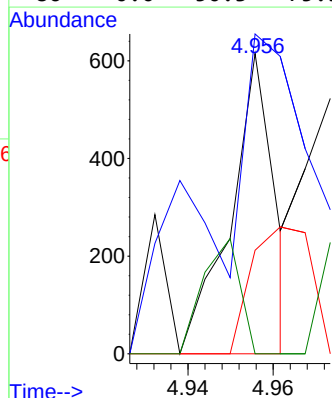
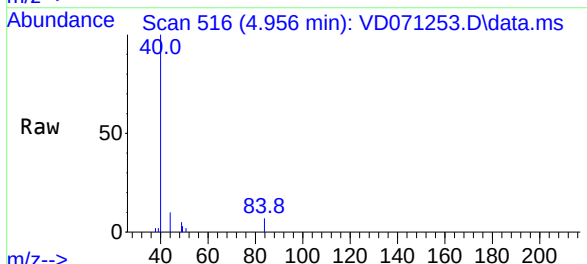
Instrument :
MSVOA_D
ClientSampleId :

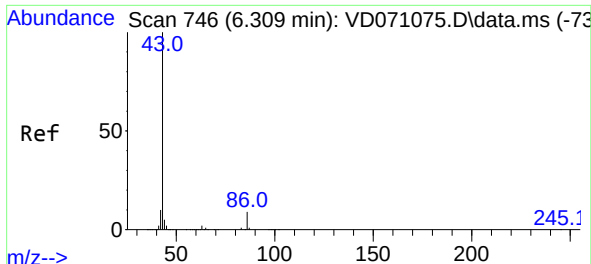
Tgt Ion: 43 Resp: 324
Ion Ratio Lower Upper
43 100
58 0.0 27.8 41.8#



#20
Methylene Chloride
Concen: Below Cal
RT: 4.956 min Scan# 516
Delta R.T. -0.012 min
Lab File: VD071253.D
Acq: 10 Dec 2021 15:55

Tgt Ion: 84 Resp: 443
Ion Ratio Lower Upper
84 100
49 48.8 95.8 143.6#
51 34.5 30.9 46.3
86 0.0 50.3 75.5#

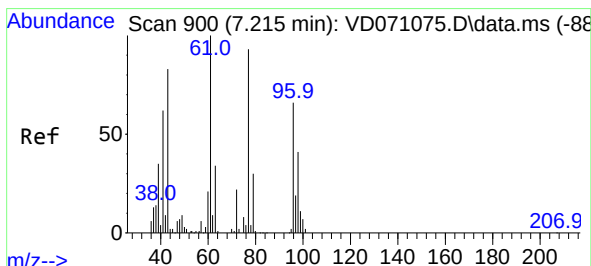
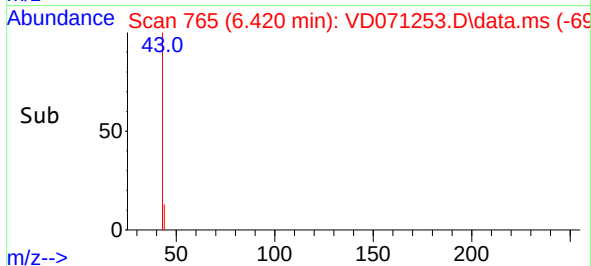
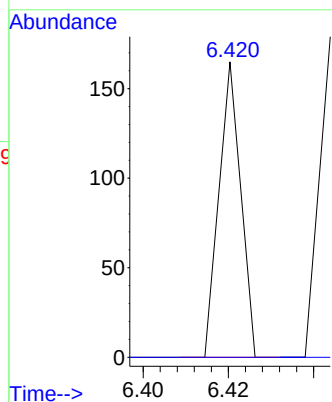
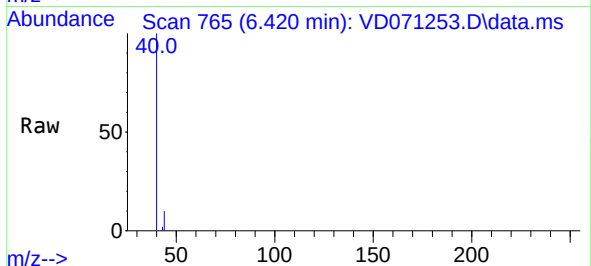




#23
 Vinyl Acetate
 Concen: 27.31 ug/l
 RT: 6.420 min Scan# 70
 Delta R.T. 0.111 min
 Lab File: VD071253.D
 Acq: 10 Dec 2021 15:55

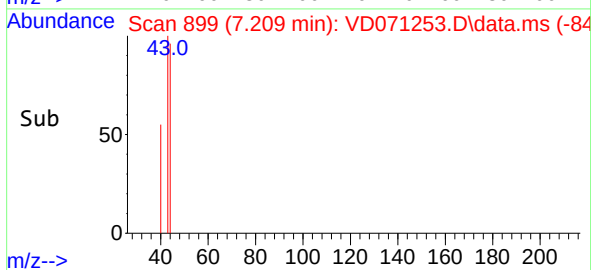
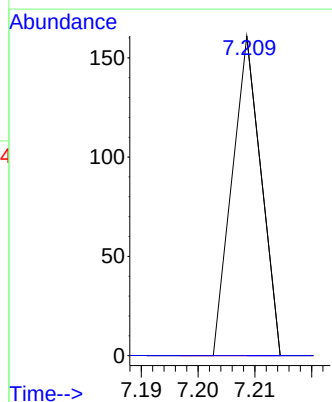
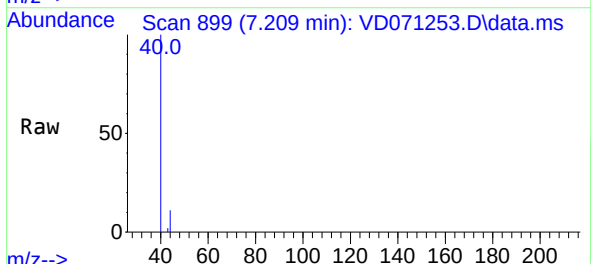
Instrument :
 MSVOA_D
 ClientSampleId :

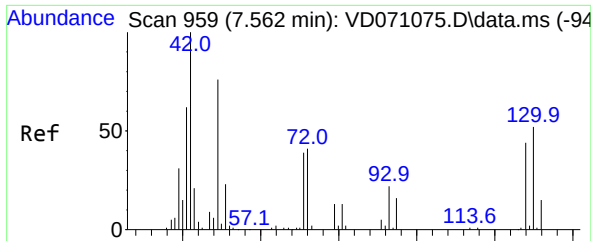
Tgt Ion: 43 Resp: 58
 Ion Ratio Lower Upper
 43 100
 86 0.0 8.2 12.4#



#25
 2-Butanone
 Concen: 28.86 ug/l
 RT: 7.209 min Scan# 899
 Delta R.T. -0.006 min
 Lab File: VD071253.D
 Acq: 10 Dec 2021 15:55

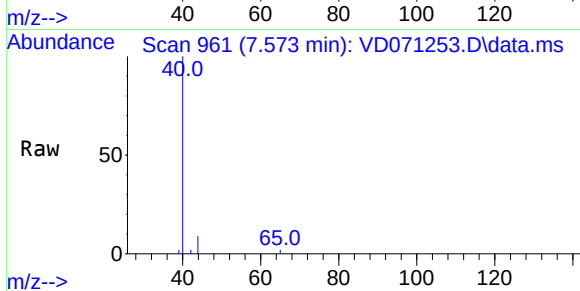
Tgt Ion: 43 Resp: 57
 Ion Ratio Lower Upper
 43 100
 72 0.0 23.8 35.6#



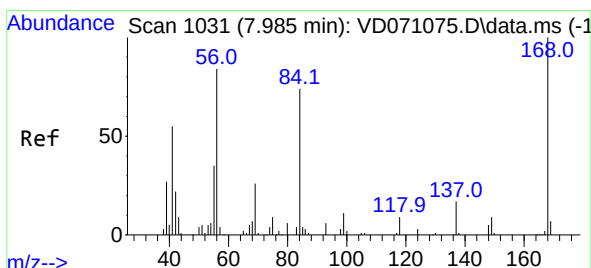
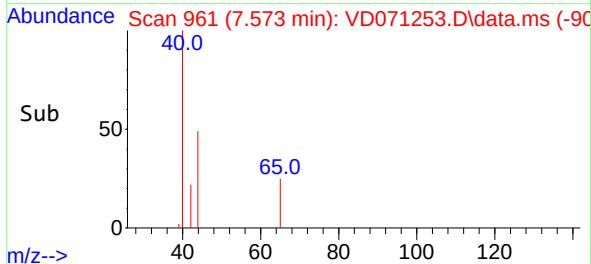
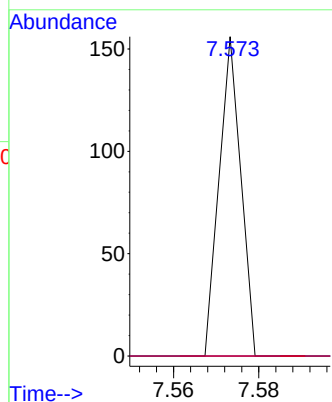


#29
Tetrahydrofuran
Concen: 1.05 ug/l
RT: 7.573 min Scan# 90
Delta R.T. 0.011 min
Lab File: VD071253.D
Acq: 10 Dec 2021 15:55

Instrument :
MSVOA_D
ClientSampleId :

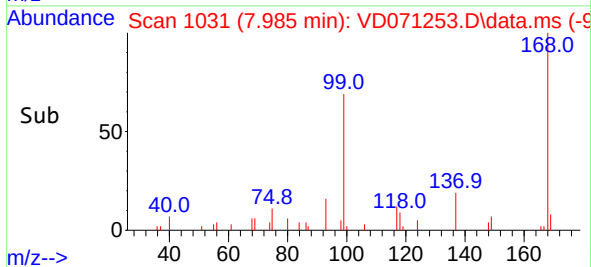
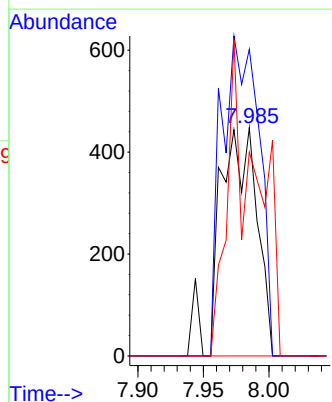
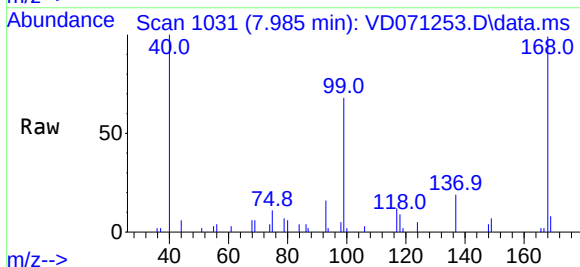


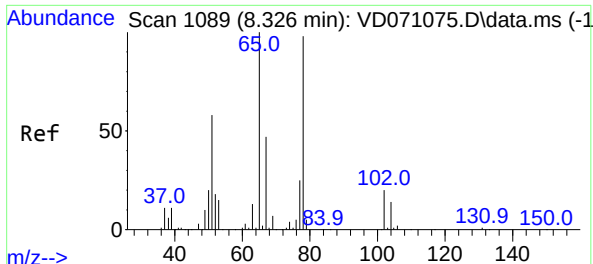
Tgt Ion: 42 Resp: 55
Ion Ratio Lower Upper
42 100
72 0.0 33.7 50.5#
71 0.0 32.7 49.1#



#31
Cyclohexane
Concen: 1.59 ug/l
RT: 7.985 min Scan# 1031
Delta R.T. 0.000 min
Lab File: VD071253.D
Acq: 10 Dec 2021 15:55

Tgt Ion: 56 Resp: 888
Ion Ratio Lower Upper
56 100
69 134.4 25.9 38.9#
84 89.3 64.3 96.5

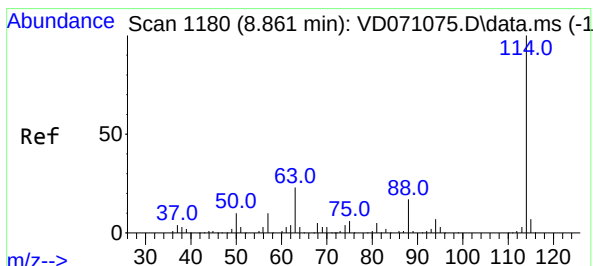
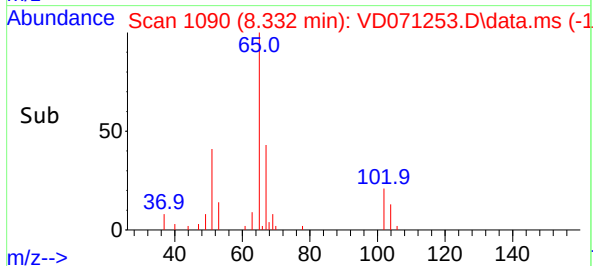
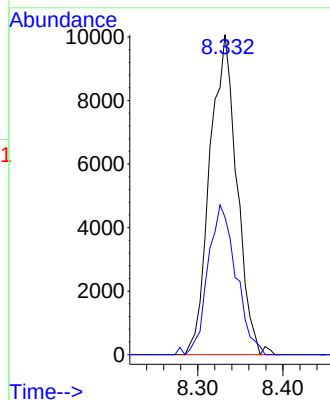
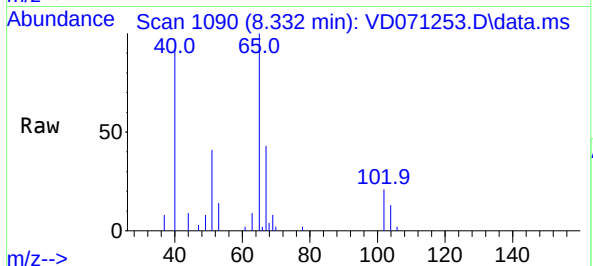




#33
1,2-Dichloroethane-d4
Concen: 67.43 ug/l
RT: 8.332 min Scan# 110
Delta R.T. 0.006 min
Lab File: VD071253.D
Acq: 10 Dec 2021 15:55

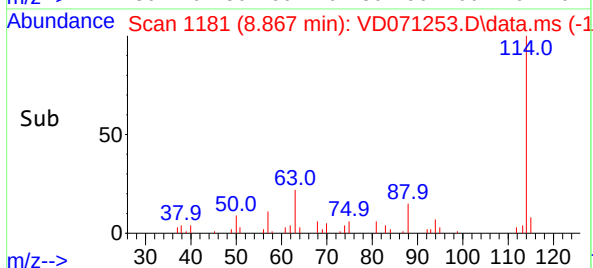
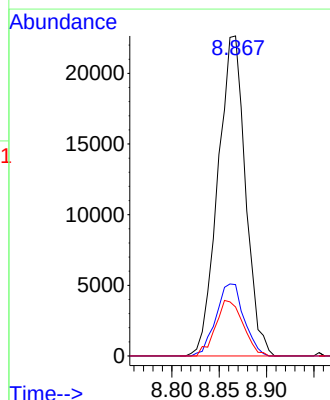
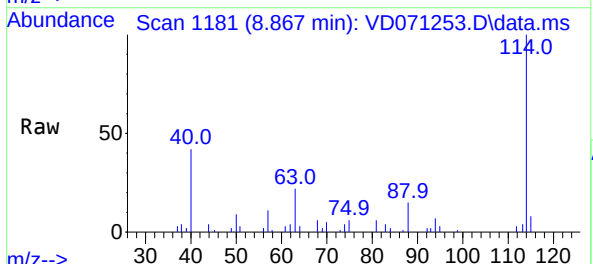
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MSVOA_D
ClientSampleId :

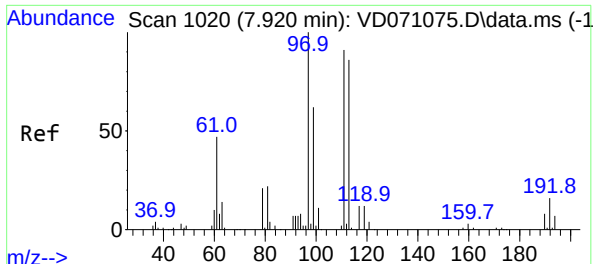
Tgt Ion: 65 Resp: 22149
Ion Ratio Lower Upper
65 100
67 49.0 0.0 112.2



#34
1,4-Difluorobenzene
Concen: 50.00 ug/l
RT: 8.867 min Scan# 1181
Delta R.T. 0.006 min
Lab File: VD071253.D
Acq: 10 Dec 2021 15:55

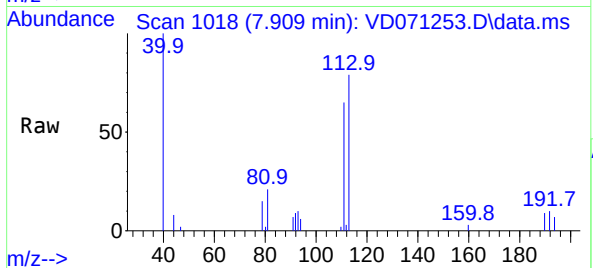
Tgt Ion: 114 Resp: 45791
Ion Ratio Lower Upper
114 100
63 22.3 0.0 41.8
88 15.3 0.0 32.8



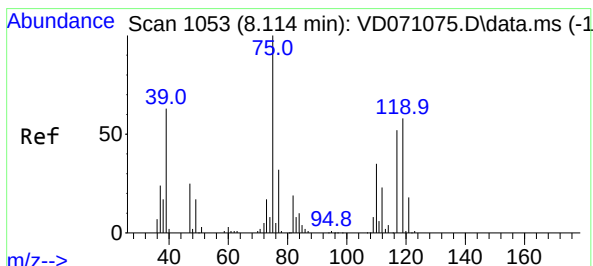
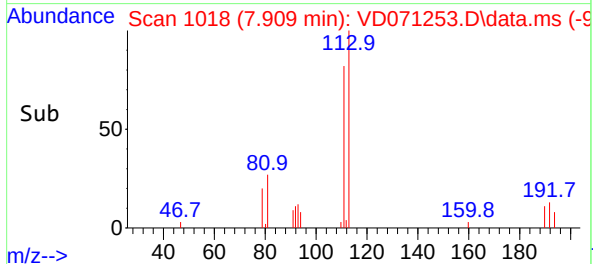
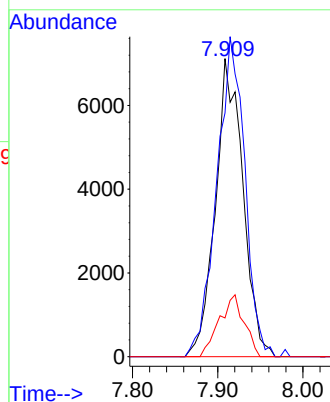


#35
Dibromofluoromethane
Concen: 54.78 ug/l
RT: 7.909 min Scan# 1018
Delta R.T. -0.011 min
Lab File: VD071253.D
Acq: 10 Dec 2021 15:55

Instrument :
MSVOA_D
ClientSampleId :

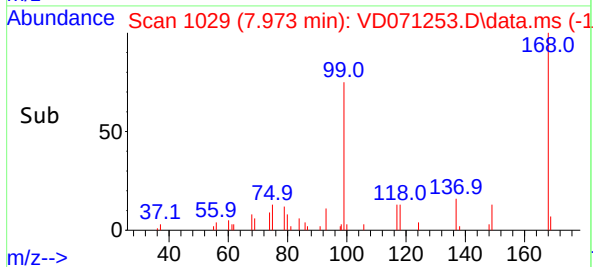
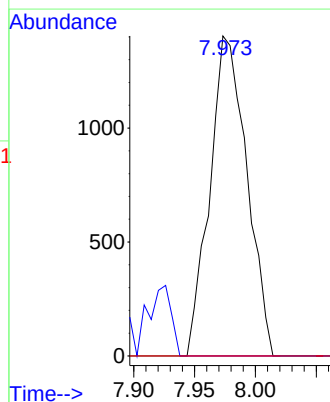
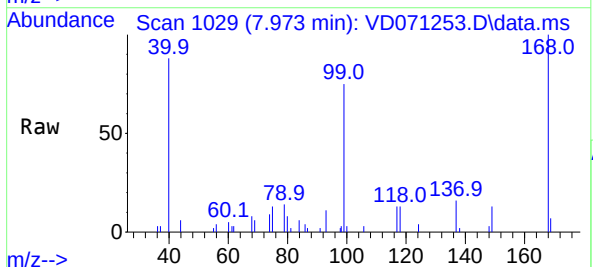


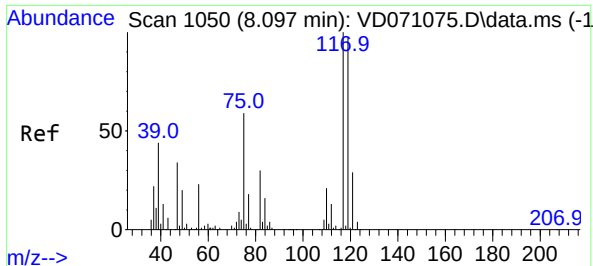
Tgt Ion:113 Resp: 15974
Ion Ratio Lower Upper
113 100
111 109.4 82.0 123.0
192 18.8 15.2 22.8



#36
1,1-Dichloropropene
Concen: 6.93 ug/l
RT: 7.973 min Scan# 1029
Delta R.T. -0.141 min
Lab File: VD071253.D
Acq: 10 Dec 2021 15:55

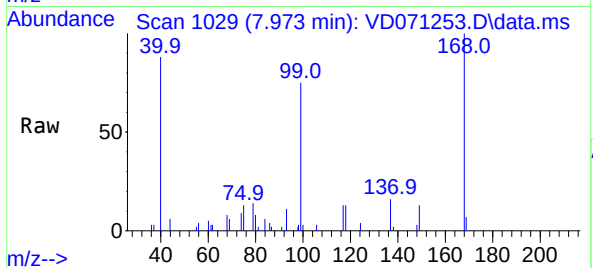
Tgt Ion: 75 Resp: 2968
Ion Ratio Lower Upper
75 100
110 0.0 17.8 53.4#
77 0.0 24.8 37.2#



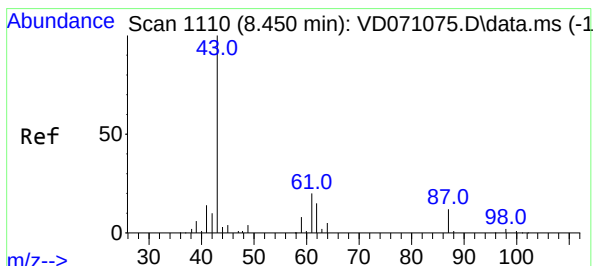
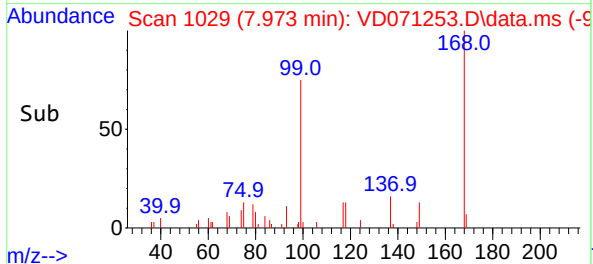
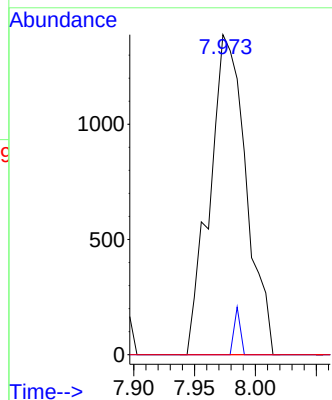


#38
Carbon Tetrachloride
Concen: 6.86 ug/l
RT: 7.973 min Scan# 1109
Delta R.T. -0.124 min
Lab File: VD071253.D
Acq: 10 Dec 2021 15:55

Instrument :
MSVOA_D
ClientSampleId :

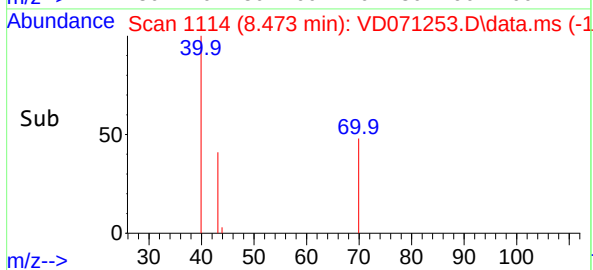
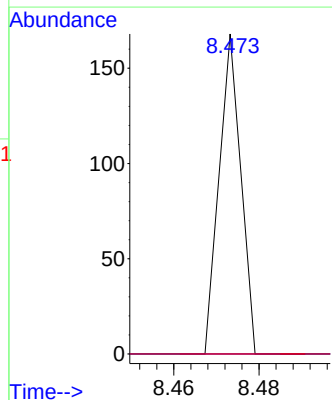
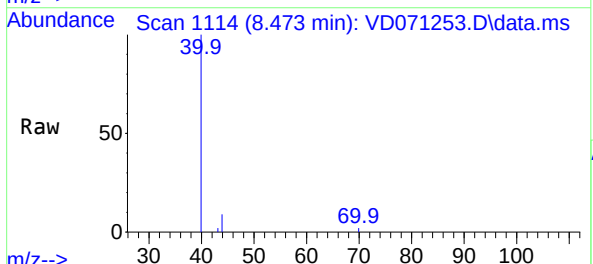


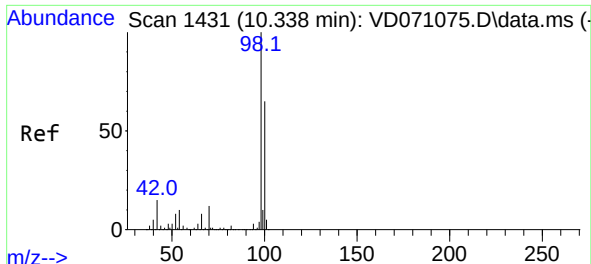
Tgt Ion:117 Resp: 2892
Ion Ratio Lower Upper
117 100
119 0.0 75.8 113.6#
121 0.0 23.6 35.4#



#43
Isopropyl Acetate
Concen: 5.35 ug/l
RT: 8.473 min Scan# 1114
Delta R.T. 0.023 min
Lab File: VD071253.D
Acq: 10 Dec 2021 15:55

Tgt Ion: 43 Resp: 59
Ion Ratio Lower Upper
43 100
61 0.0 28.2 42.4#
87 0.0 10.7 16.1#

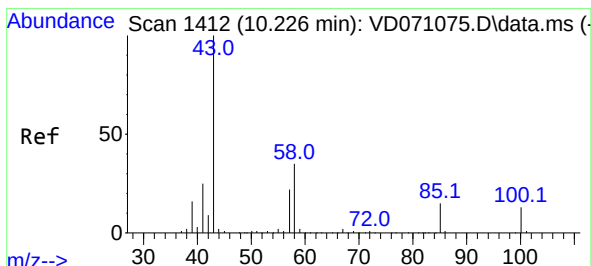
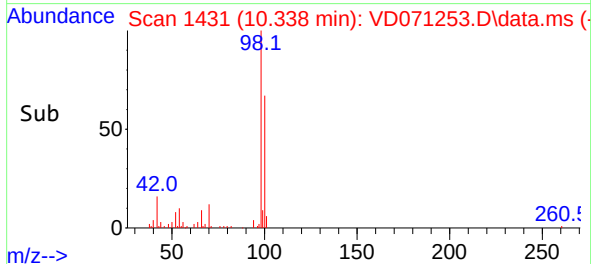
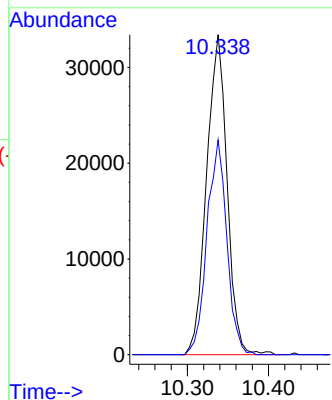
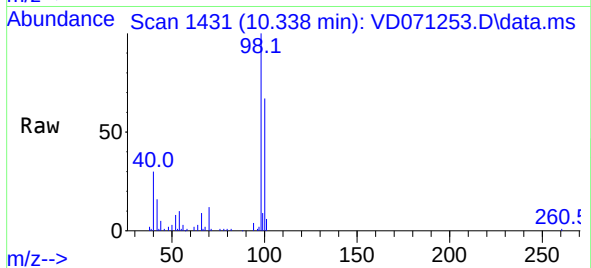




#50
Toluene-d8
Concen: 52.76 ug/l
RT: 10.338 min Scan# 1431
Delta R.T. -0.000 min
Lab File: VD071253.D
Acq: 10 Dec 2021 15:55

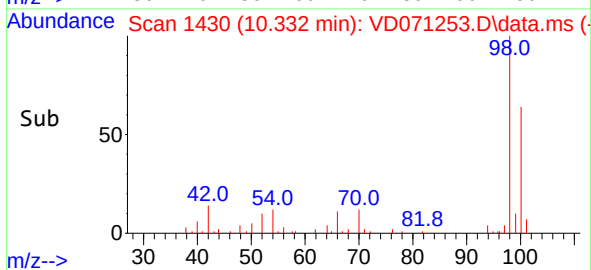
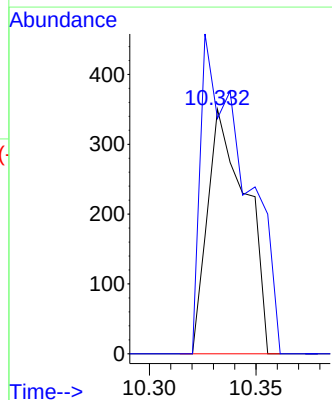
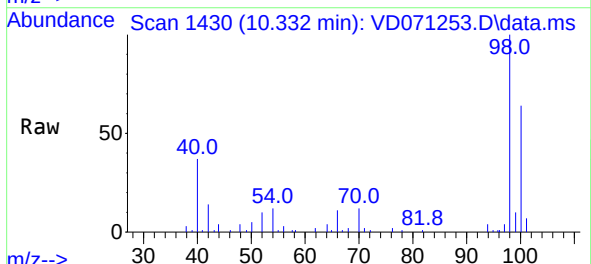
Instrument :
MSVOA_D
ClientSampleId :

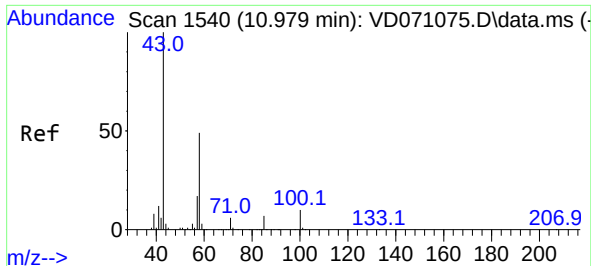
Tgt Ion: 98 Resp: 58541
Ion Ratio Lower Upper
98 100
100 64.9 51.8 77.6



#51
4-Methyl-2-Pentanone
Concen: 32.50 ug/l
RT: 10.332 min Scan# 1430
Delta R.T. 0.106 min
Lab File: VD071253.D
Acq: 10 Dec 2021 15:55

Tgt Ion: 43 Resp: 440
Ion Ratio Lower Upper
43 100
58 147.3 33.1 49.7#

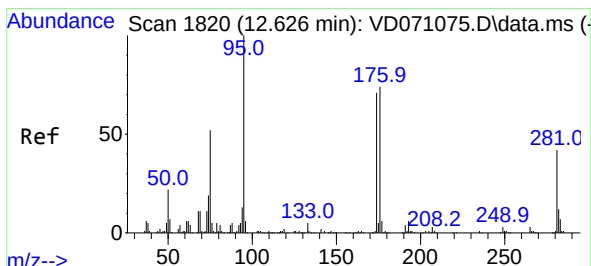
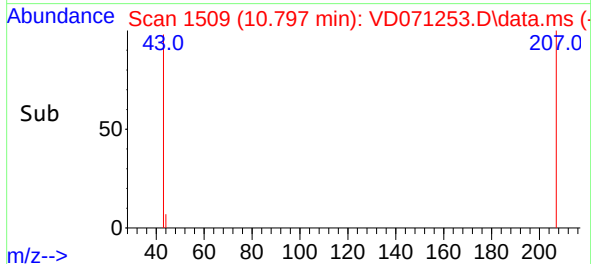
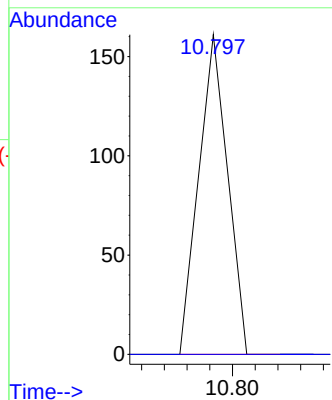
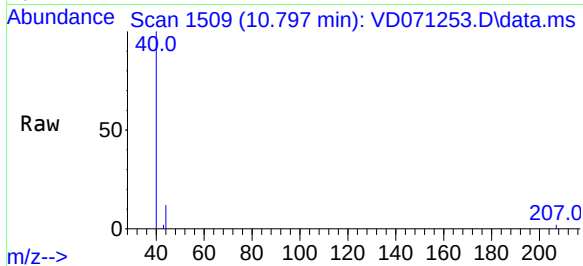




#59
2-Hexanone
Concen: 34.89 ug/l
RT: 10.797 min Scan# 11
Delta R.T. -0.182 min
Lab File: VD071253.D
Acq: 10 Dec 2021 15:55

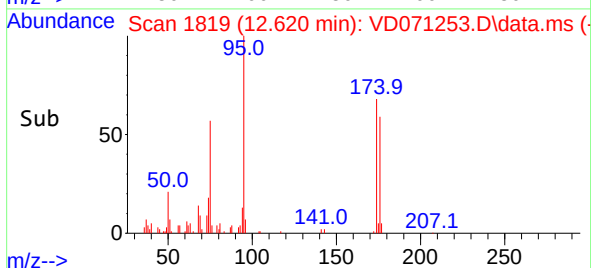
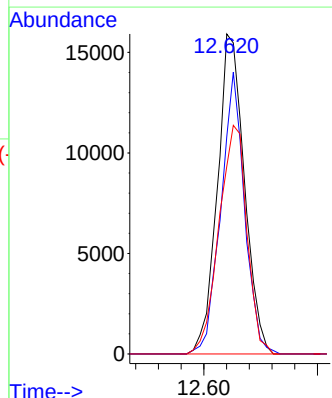
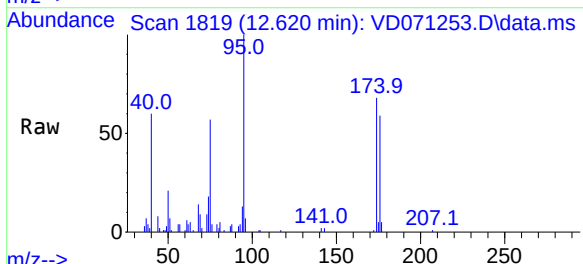
Instrument :
MSVOA_D
ClientSampleId :

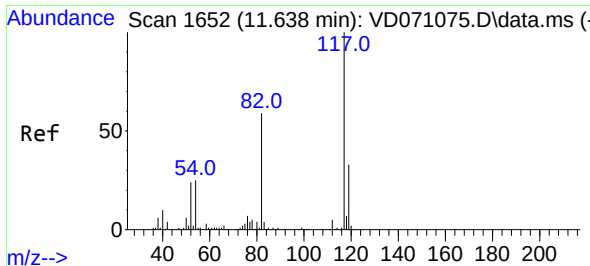
Tgt Ion: 43 Resp: 57
Ion Ratio Lower Upper
43 100
58 0.0 28.7 86.1#



#62
4-Bromofluorobenzene
Concen: 68.28 ug/l
RT: 12.620 min Scan# 1819
Delta R.T. -0.006 min
Lab File: VD071253.D
Acq: 10 Dec 2021 15:55

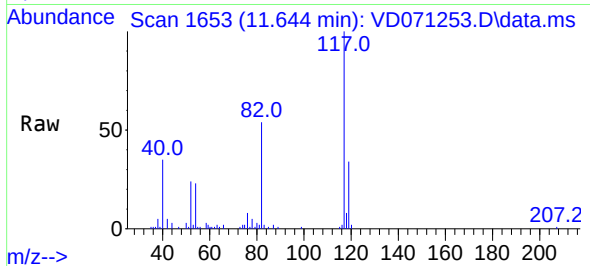
Tgt Ion: 95 Resp: 26264
Ion Ratio Lower Upper
95 100
174 77.2 0.0 159.4
176 73.9 0.0 154.0



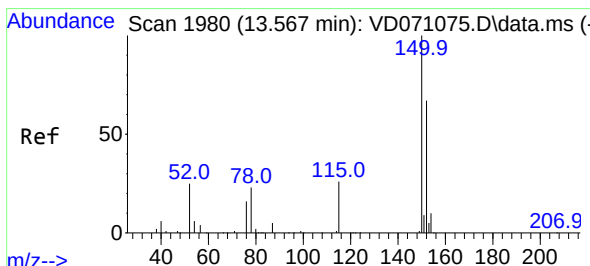
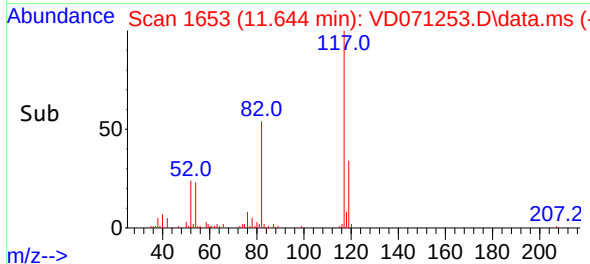
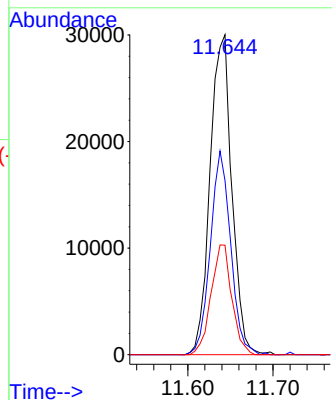


#63
Chlorobenzene-d5
Concen: 50.00 ug/l
RT: 11.644 min Scan# 1653
Delta R.T. 0.006 min
Lab File: VD071253.D
Acq: 10 Dec 2021 15:55

Instrument :
MSVOA_D
ClientSampleId :

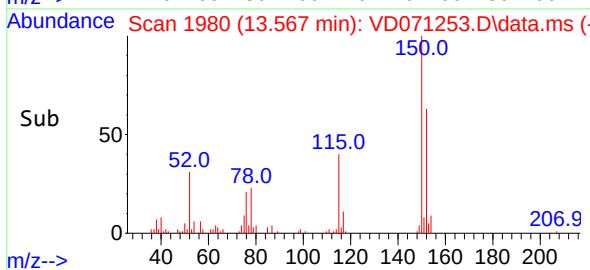
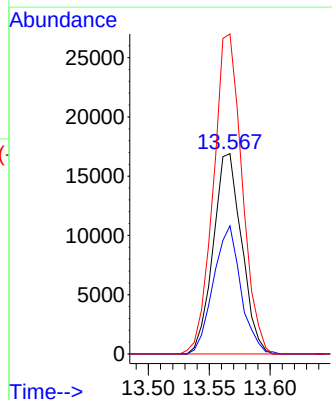
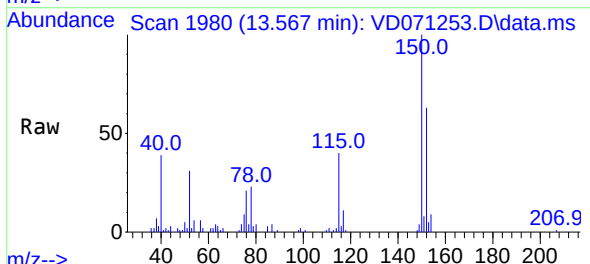


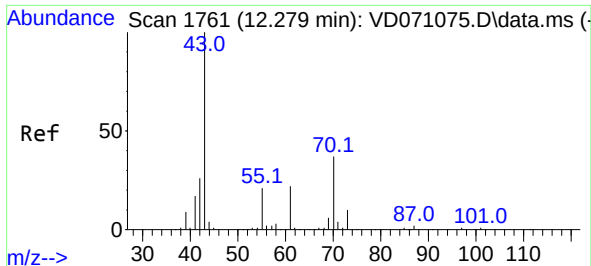
Tgt Ion:	117	Resp:	53310
Ion Ratio	Lower	Upper	
117	100		
82	54.4	44.7	67.1
119	34.2	26.2	39.4



#72
1,4-Dichlorobenzene-d4
Concen: 50.00 ug/l
RT: 13.567 min Scan# 1980
Delta R.T. 0.000 min
Lab File: VD071253.D
Acq: 10 Dec 2021 15:55

Tgt Ion:	152	Resp:	27525
Ion Ratio	Lower	Upper	
152	100		
115	61.6	29.8	89.3
150	161.0	0.0	349.2

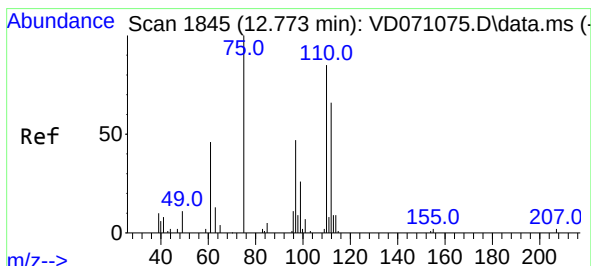
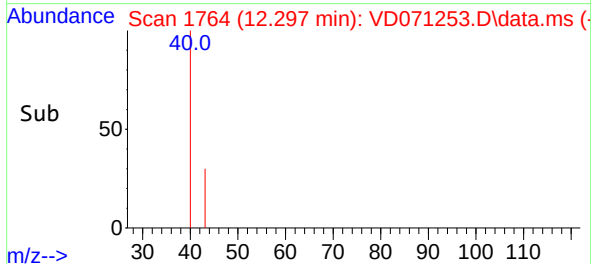
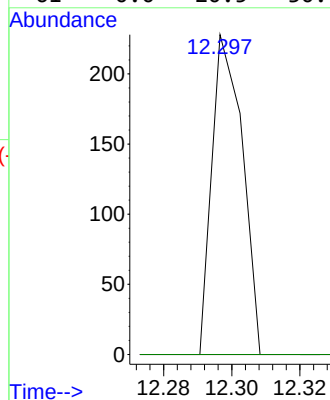
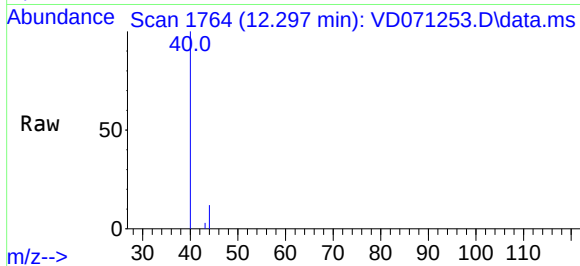




#74
N-amy1 acetate
Concen: 5.93 ug/l
RT: 12.297 min Scan# 11
Delta R.T. 0.018 min
Lab File: VD071253.D
Acq: 10 Dec 2021 15:55

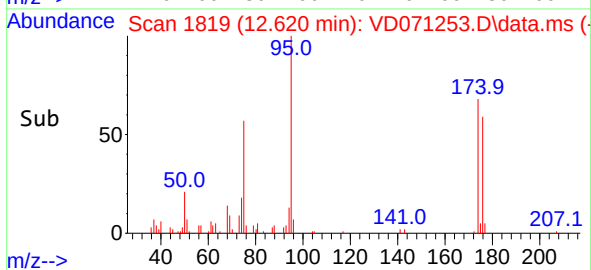
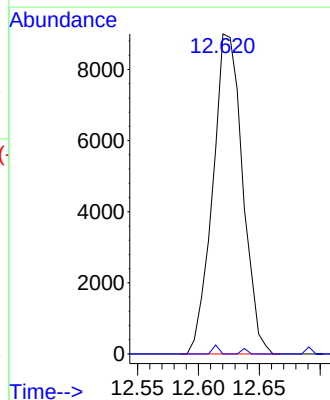
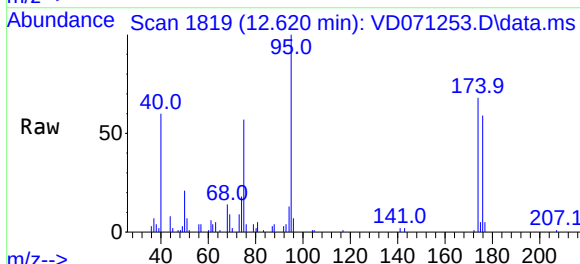
Instrument :
MSVOA_D
ClientSampleId :

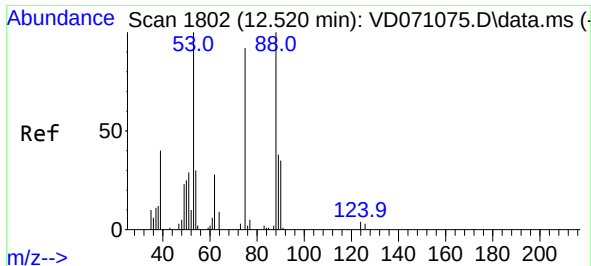
Tgt Ion: 43	Resp:	141
Ion Ratio	Lower	Upper
43	100	
70	0.0	36.6 55.0#
55	0.0	22.5 33.7#
61	0.0	20.5 30.7#



#76
1,2,3-Trichloropropane
Concen: 58.46 ug/l
RT: 12.620 min Scan# 1819
Delta R.T. -0.153 min
Lab File: VD071253.D
Acq: 10 Dec 2021 15:55

Tgt Ion: 75	Resp:	15332
Ion Ratio	Lower	Upper
75	100	
77	0.6	158.4 475.3#

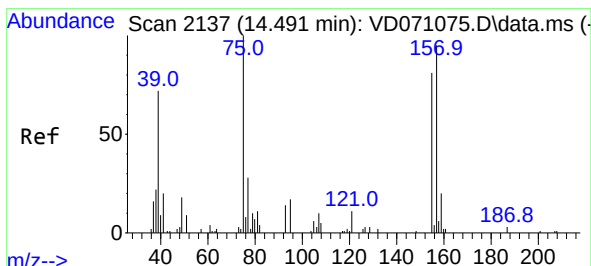
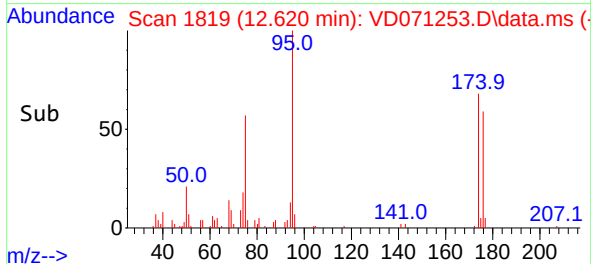
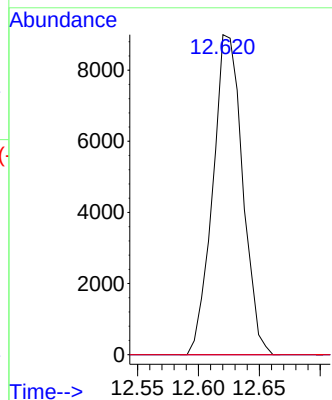
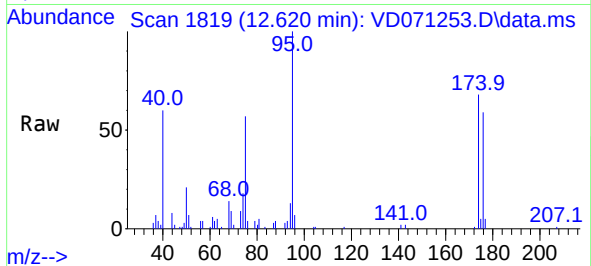




#81
trans-1,4-Dichloro-2-butene
Concen: 126.73 ug/l
RT: 12.620 min Scan# 1802
Delta R.T. 0.100 min
Lab File: VD071253.D
Acq: 10 Dec 2021 15:55

Instrument :
MSVOA_D
ClientSampleId :

Tgt Ion: 75 Resp: 15332
Ion Ratio Lower Upper
75 100
53 0.0 62.6 94.0#
89 0.0 34.5 51.7#



#92
1,2-Dibromo-3-Chloropropane
Concen: 2.49 ug/l
RT: 14.667 min Scan# 2167
Delta R.T. 0.176 min
Lab File: VD071253.D
Acq: 10 Dec 2021 15:55

Tgt Ion: 75 Resp: 133
Ion Ratio Lower Upper
75 100
155 0.0 40.0 120.0#
157 0.0 49.8 149.3#

