

Data Path : Z:\voasrv\HPCHEM1\MSVOA_D\Data\VD111921\
 Data File : VD071063.D
 Acq On : 19 Nov 2021 18:17
 Operator : VA/SY
 Sample : M4758-21
 Misc : 5.08G/5.00ml/MSVOA_D/SOIL
 ALS Vial : 16 Sample Multiplier: 1

Instrument :
 MSVOA_D
 ClientSampleId :

Quant Time: Nov 22 02:53:59 2021
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_D\Method\82D110921S.M
 Quant Title : SW846 8260
 QLast Update : Wed Nov 10 03:55:51 2021
 Response via : Initial Calibration

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

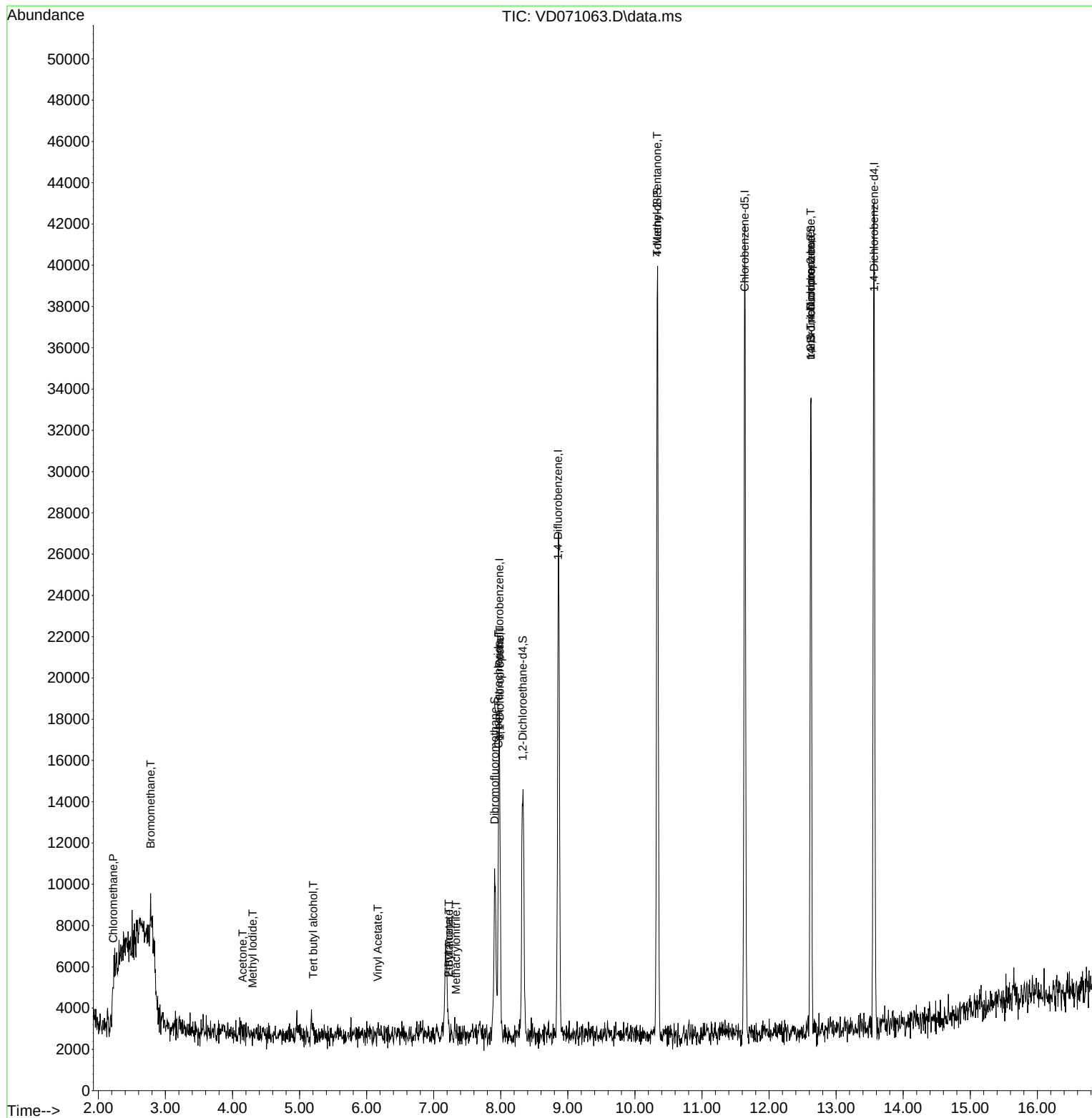
Internal Standards						
1) Pentafluorobenzene	7.979	168	10123	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	8.855	114	18952	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.638	117	19891	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.567	152	10104	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.326	65	9952	92.336	ug/l	0.00
Spiked Amount	50.000	Range	50 - 163	Recovery	= 184.680%#	
35) Dibromofluoromethane	7.908	113	5793	54.169	ug/l	0.00
Spiked Amount	50.000	Range	54 - 147	Recovery	= 108.340%	
50) Toluene-d8	10.332	98	23881	57.021	ug/l	0.00
Spiked Amount	50.000	Range	49 - 140	Recovery	= 114.040%	
62) 4-Bromofluorobenzene	12.626	95	9793	64.941	ug/l	0.00
Spiked Amount	50.000	Range	25 - 144	Recovery	= 129.880%	
Target Compounds						
					Qvalue	
3) Chloromethane	2.220	50	114	1.108	ug/l #	42
5) Bromomethane	2.779	94	743	11.013	ug/l #	68
10) Methyl Iodide	4.303	142	66	6.516	ug/l #	40
11) Tert butyl alcohol	5.203	59	82	10.410	ug/l #	71
16) Acetone	4.150	43	501	35.646	ug/l #	40
23) Vinyl Acetate	6.167	43	55	21.220	ug/l #	72
25) 2-Butanone	7.226	43	138	23.737	ug/l #	45
36) 1,1-Dichloropropene	7.985	75	1050	6.205	ug/l #	41
37) Ethyl Acetate	7.226	43	138	1.788	ug/l #	66
38) Carbon Tetrachloride	7.967	117	1382	8.869	ug/l #	12
41) Methacrylonitrile	7.332	41	57	4.437	ug/l #	12
51) 4-Methyl-2-Pentanone	10.332	43	150	1.894	ug/l	98
76) 1,2,3-Trichloropropane	12.620	75	5684	65.857	ug/l #	1
81) trans-1,4-Dichloro-2-b...	12.620	75	5684	121.704	ug/l #	18

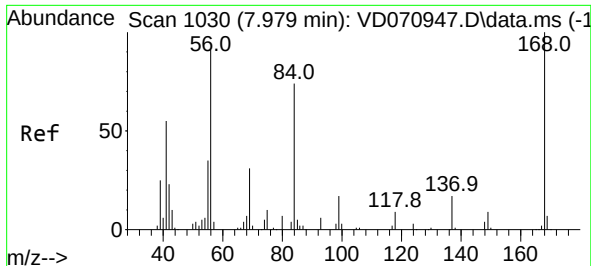
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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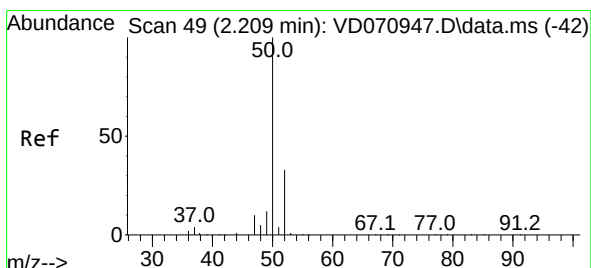
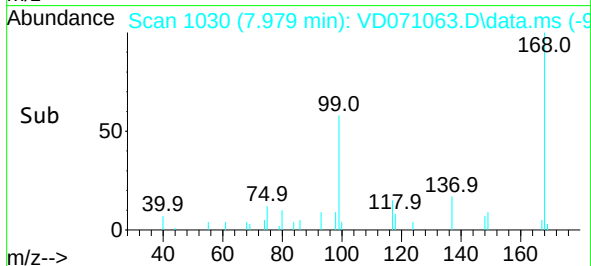
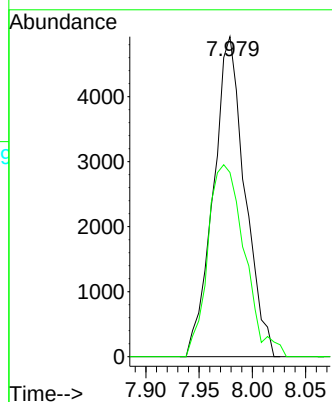
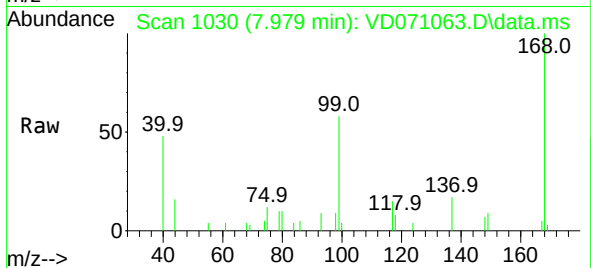




#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 7.979 min Scan# 1030
Delta R.T. -0.000 min
Lab File: VD071063.D
Acq: 19 Nov 2021 18:17

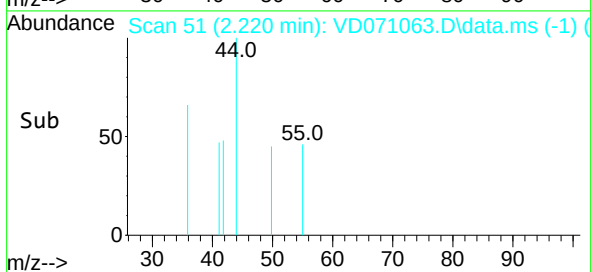
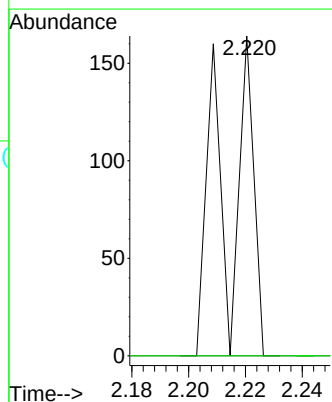
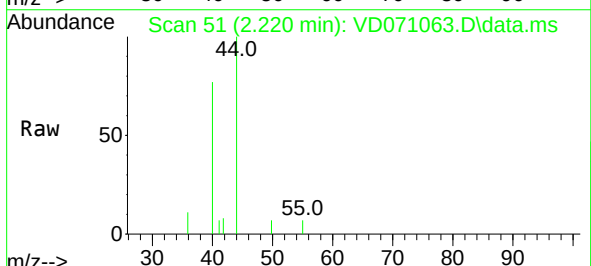
Instrument :
MSVOA_D
ClientSampleId :

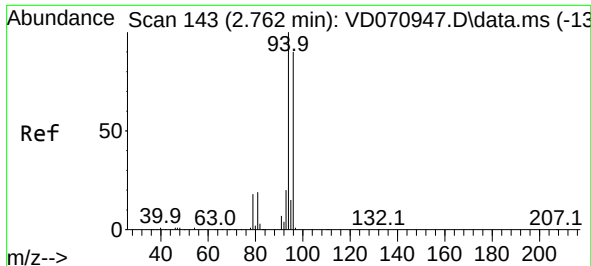
Tgt Ion:168 Resp: 10123
Ion Ratio Lower Upper
168 100
99 57.5 46.6 69.8



#3
Chloromethane
Concen: 1.108 ug/l
RT: 2.220 min Scan# 51
Delta R.T. 0.011 min
Lab File: VD071063.D
Acq: 19 Nov 2021 18:17

Tgt Ion: 50 Resp: 114
Ion Ratio Lower Upper
50 100
52 0.0 25.8 38.8#

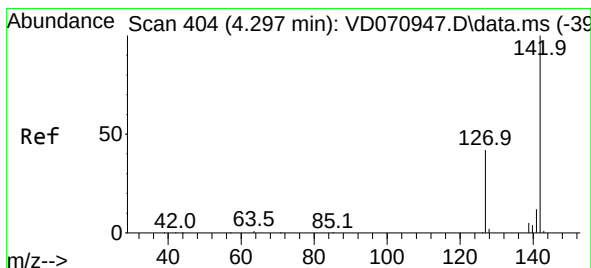
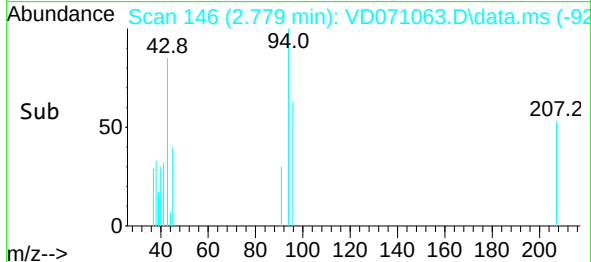
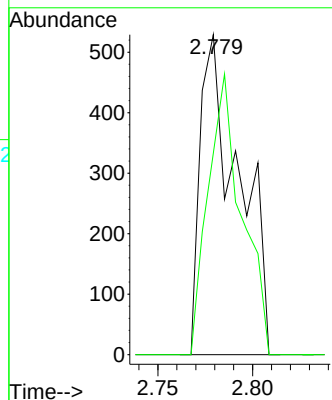
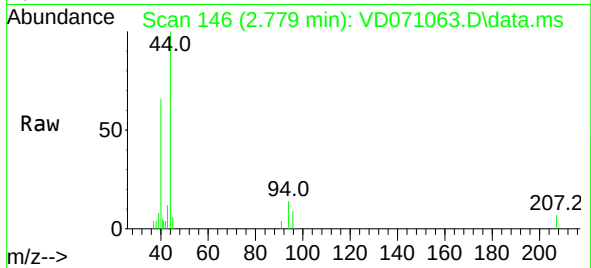




#5
Bromomethane
Concen: 11.013 ug/l
RT: 2.779 min Scan# 143
Delta R.T. 0.017 min
Lab File: VD071063.D
Acq: 19 Nov 2021 18:17

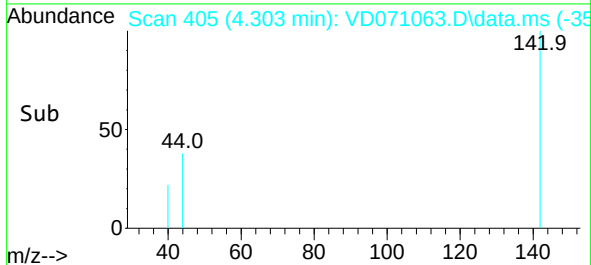
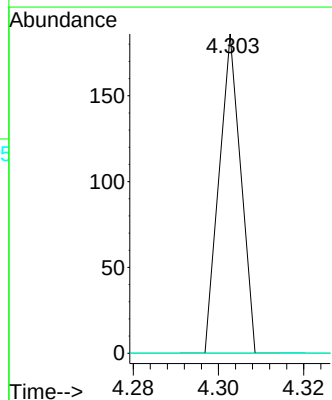
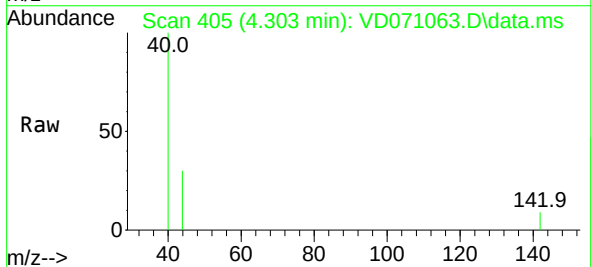
Instrument :
MSVOA_D
ClientSampleId :

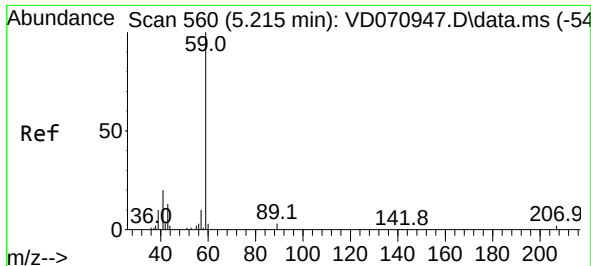
Tgt Ion: 94 Resp: 743
Ion Ratio Lower Upper
94 100
96 62.9 74.8 112.2#



#10
Methyl Iodide
Concen: 6.516 ug/l
RT: 4.303 min Scan# 405
Delta R.T. 0.006 min
Lab File: VD071063.D
Acq: 19 Nov 2021 18:17

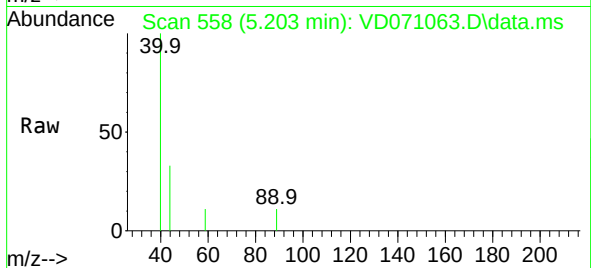
Tgt Ion: 142 Resp: 66
Ion Ratio Lower Upper
142 100
127 0.0 35.0 52.4#
141 0.0 12.0 18.0#



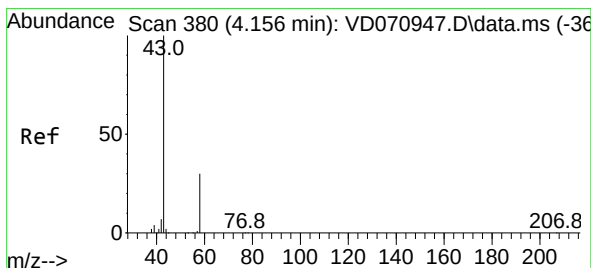
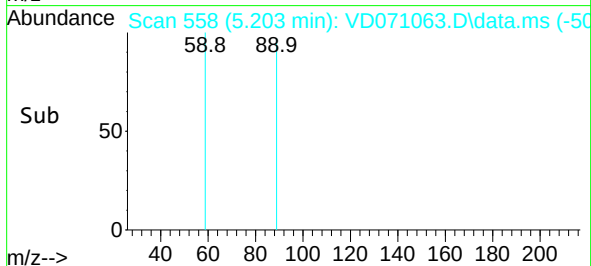
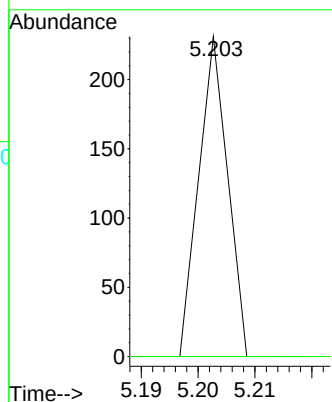


#11
Tert butyl alcohol
Concen: 10.410 ug/l
RT: 5.203 min Scan# 51
Delta R.T. -0.012 min
Lab File: VD071063.D
Acq: 19 Nov 2021 18:17

Instrument :
MSVOA_D
ClientSampleId :

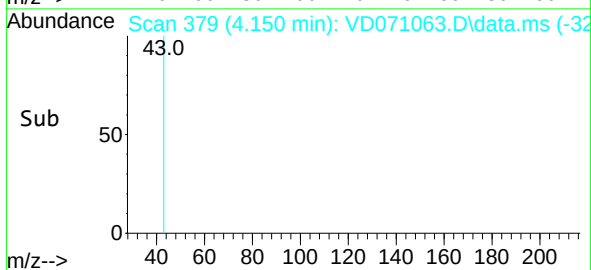
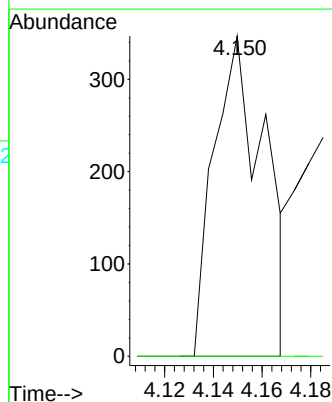
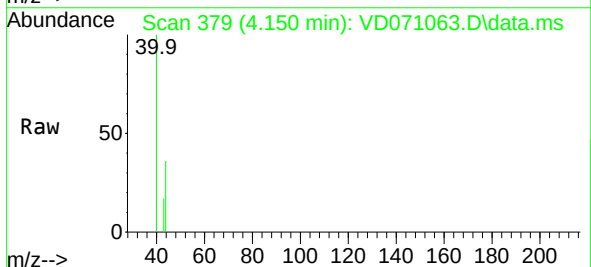


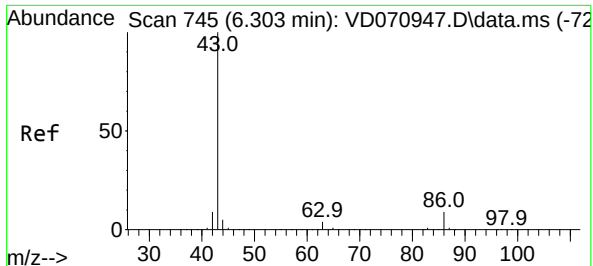
Tgt Ion: 59 Resp: 82
Ion Ratio Lower Upper
59 100
57 0.0 9.0 13.4#



#16
Acetone
Concen: 35.646 ug/l
RT: 4.150 min Scan# 379
Delta R.T. -0.006 min
Lab File: VD071063.D
Acq: 19 Nov 2021 18:17

Tgt Ion: 43 Resp: 501
Ion Ratio Lower Upper
43 100
58 0.0 27.8 41.8#

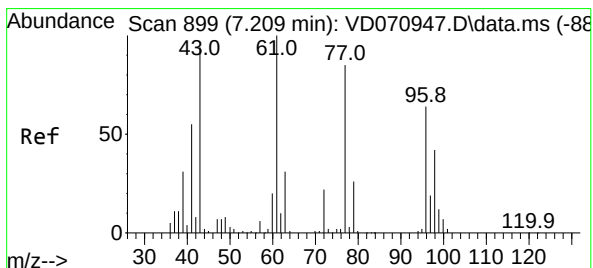
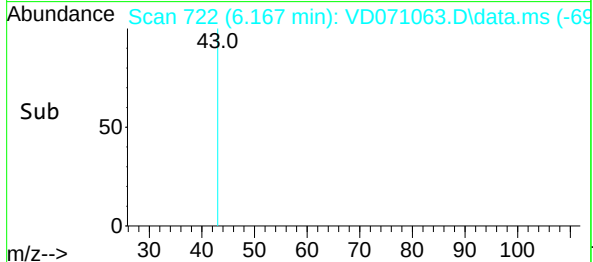
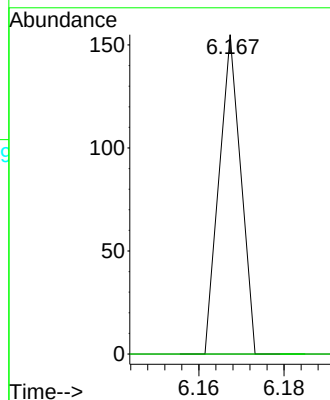
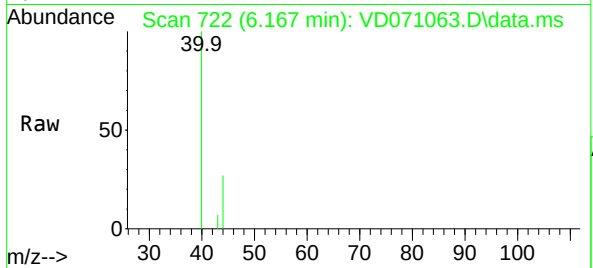




#23
 Vinyl Acetate
 Concen: 21.220 ug/l
 RT: 6.167 min Scan# 71
 Delta R.T. -0.136 min
 Lab File: VD071063.D
 Acq: 19 Nov 2021 18:17

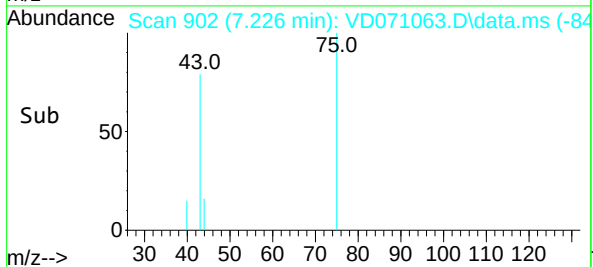
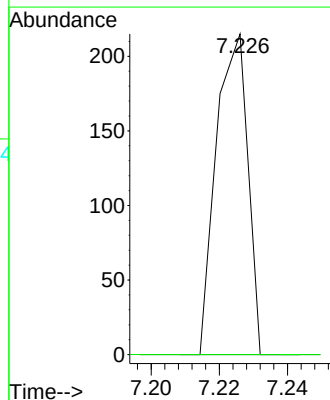
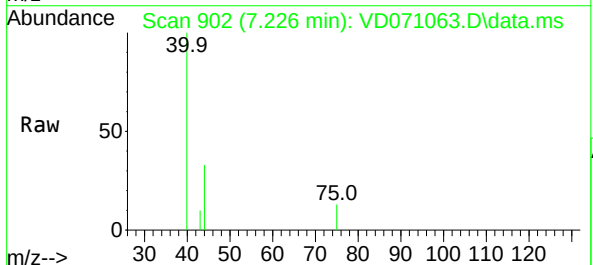
Instrument :
 MSVOA_D
 ClientSampleId :

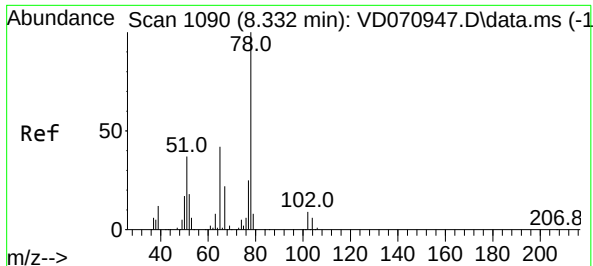
Tgt Ion: 43 Resp: 55
 Ion Ratio Lower Upper
 43 100
 86 0.0 8.2 12.4#



#25
 2-Butanone
 Concen: 23.737 ug/l
 RT: 7.226 min Scan# 902
 Delta R.T. 0.017 min
 Lab File: VD071063.D
 Acq: 19 Nov 2021 18:17

Tgt Ion: 43 Resp: 138
 Ion Ratio Lower Upper
 43 100
 72 0.0 23.8 35.6#





#33

1,2-Dichloroethane-d4

Concen: 92.336 ug/l

RT: 8.326 min Scan# 1107

Delta R.T. -0.006 min

Lab File: VD071063.D

Acq: 19 Nov 2021 18:17

Instrument :

MSVOA_D

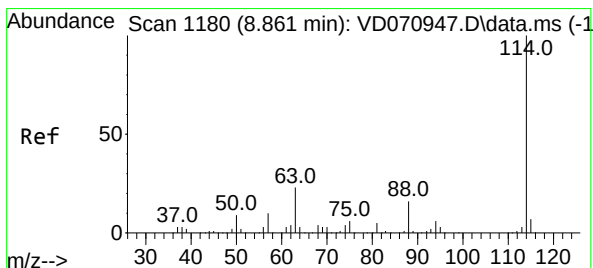
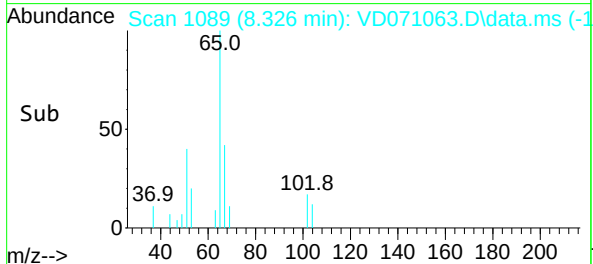
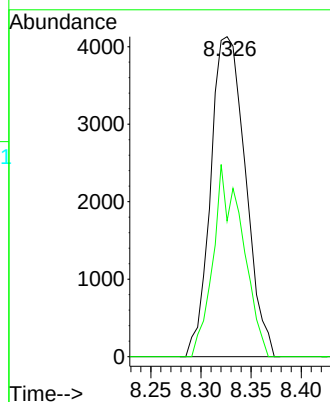
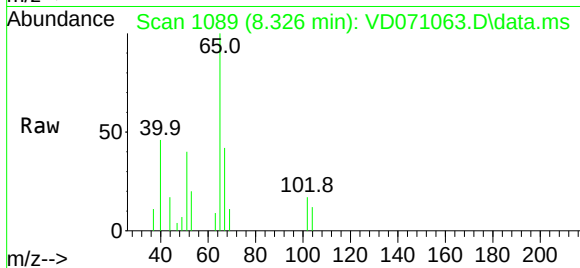
ClientSampleId :

Tgt Ion: 65 Resp: 9952

Ion Ratio Lower Upper

65 100

67 51.0 0.0 112.2



#34

1,4-Difluorobenzene

Concen: 50.000 ug/l

RT: 8.855 min Scan# 1179

Delta R.T. -0.006 min

Lab File: VD071063.D

Acq: 19 Nov 2021 18:17

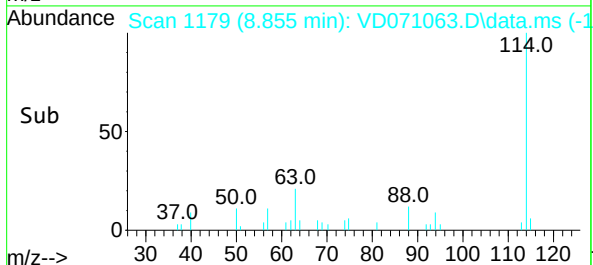
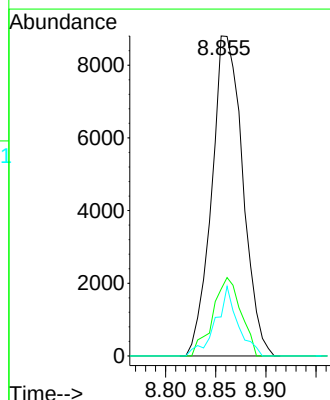
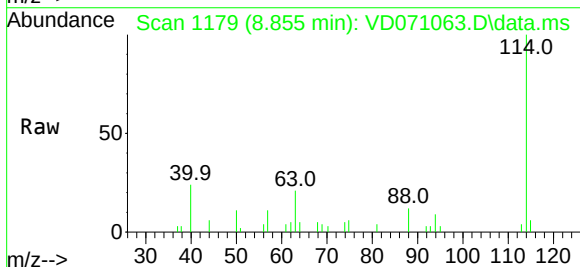
Tgt Ion: 114 Resp: 18952

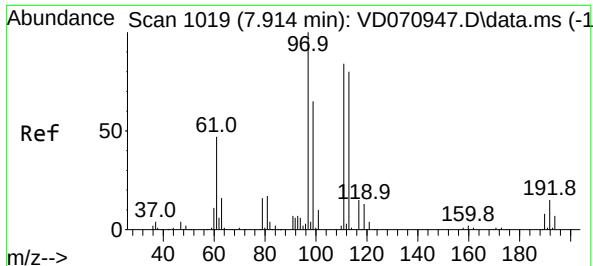
Ion Ratio Lower Upper

114 100

63 20.9 0.0 41.8

88 12.2 0.0 32.8





#35

Dibromofluoromethane

Concen: 54.169 ug/l

RT: 7.908 min Scan# 1019

Delta R.T. -0.006 min

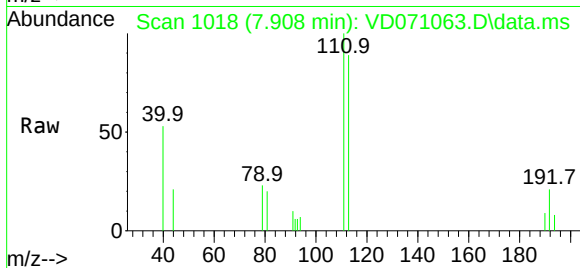
Lab File: VD071063.D

Acq: 19 Nov 2021 18:17

Instrument :

MSVOA_D

ClientSampleId :



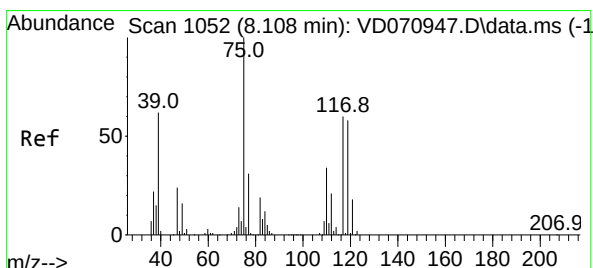
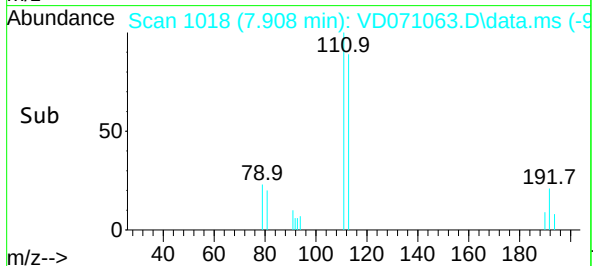
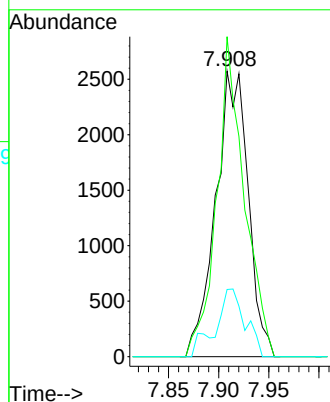
Tgt Ion:113 Resp: 5793

Ion Ratio Lower Upper

113 100

111 94.6 82.0 123.0

192 21.6 15.2 22.8



#36

1,1-Dichloropropene

Concen: 6.205 ug/l

RT: 7.985 min Scan# 1031

Delta R.T. -0.123 min

Lab File: VD071063.D

Acq: 19 Nov 2021 18:17

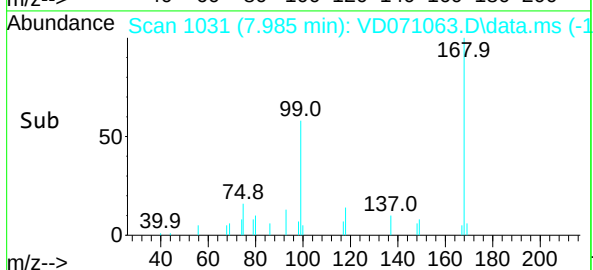
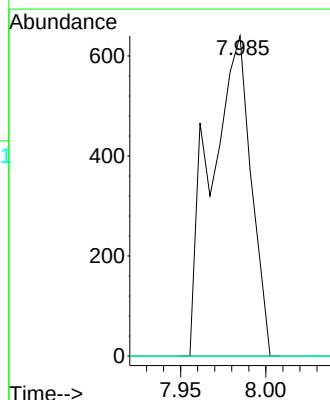
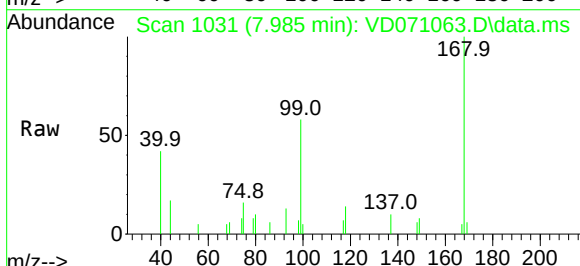
Tgt Ion: 75 Resp: 1050

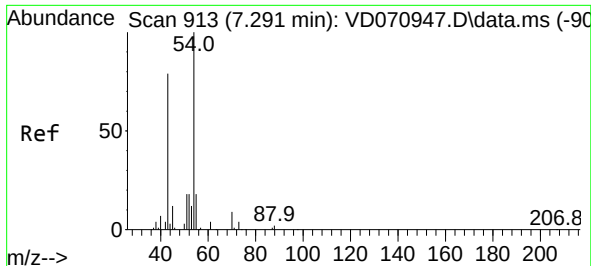
Ion Ratio Lower Upper

75 100

110 0.0 17.8 53.4#

77 0.0 24.8 37.2#





#37

Ethyl Acetate

Concen: 1.788 ug/l

RT: 7.226 min Scan# 90

Delta R.T. -0.065 min

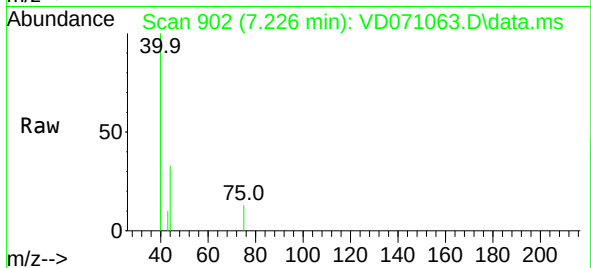
Lab File: VD071063.D

Acq: 19 Nov 2021 18:17

Instrument :

MSVOA_D

ClientSampleId :



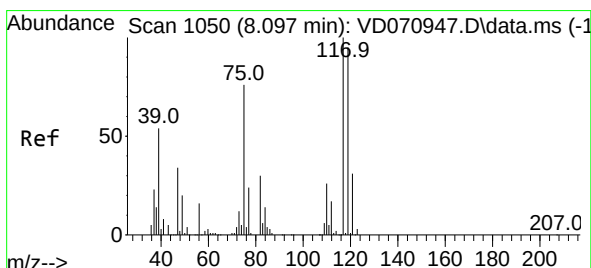
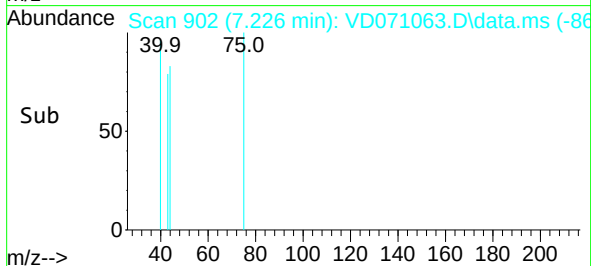
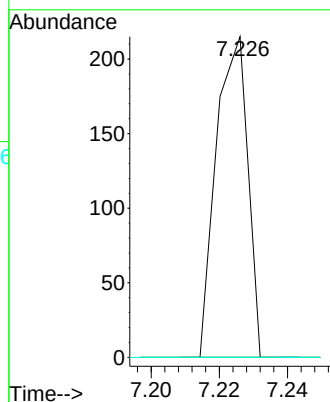
Tgt Ion: 43 Resp: 138

Ion Ratio Lower Upper

43 100

61 0.0 13.0 19.6#

70 0.0 8.7 13.1#



#38

Carbon Tetrachloride

Concen: 8.869 ug/l

RT: 7.967 min Scan# 1028

Delta R.T. -0.130 min

Lab File: VD071063.D

Acq: 19 Nov 2021 18:17

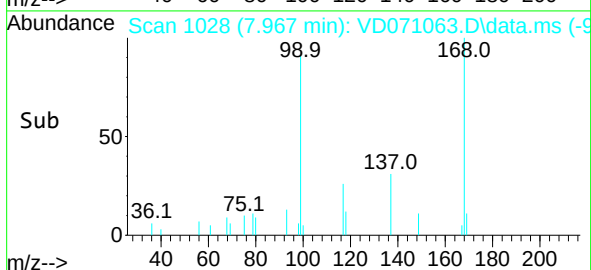
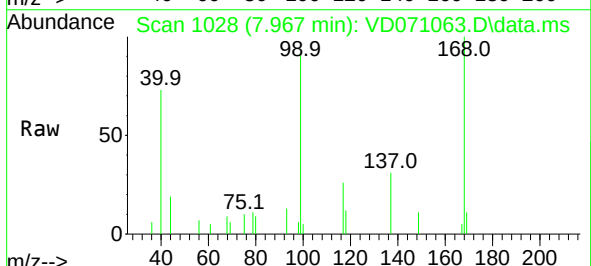
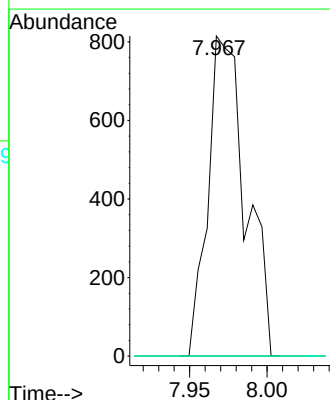
Tgt Ion: 117 Resp: 1382

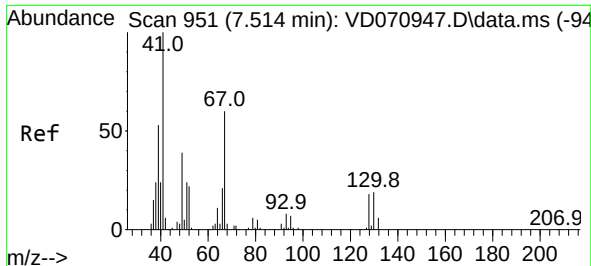
Ion Ratio Lower Upper

117 100

119 0.0 75.8 113.6#

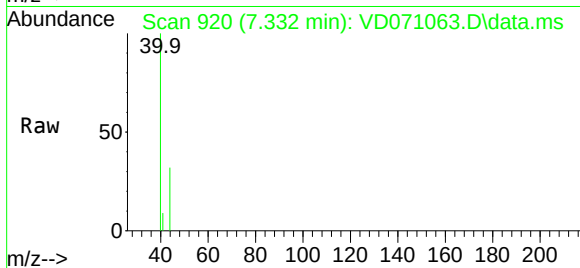
121 0.0 23.6 35.4#



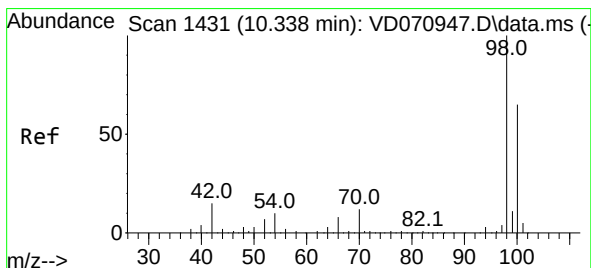
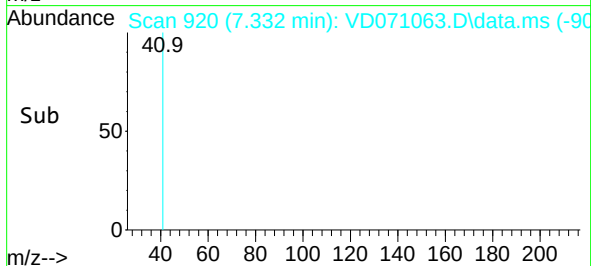
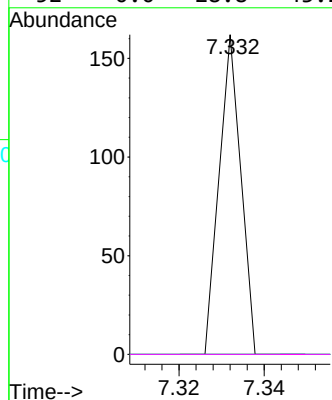


#41
Methacrylonitrile
Concen: 4.437 ug/l
RT: 7.332 min Scan# 91
Delta R.T. -0.182 min
Lab File: VD071063.D
Acq: 19 Nov 2021 18:17

Instrument :
MSVOA_D
ClientSampleId :

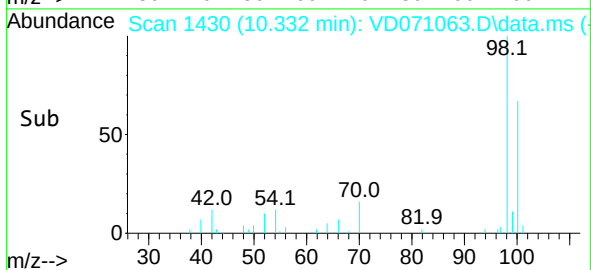
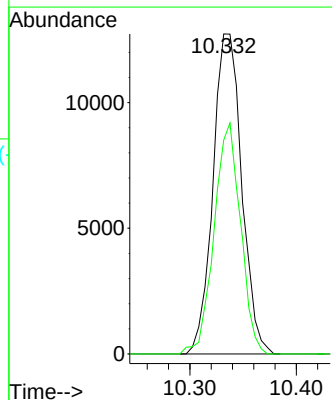
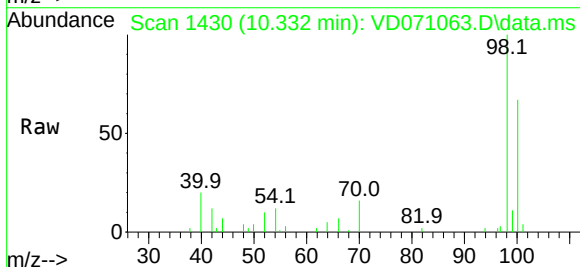


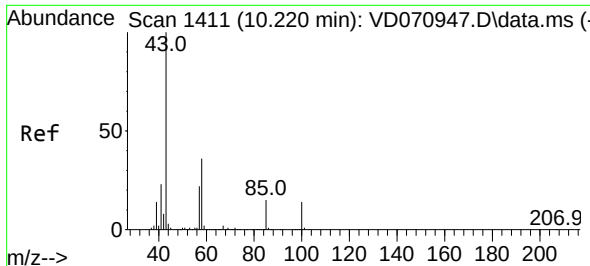
Tgt Ion: 41	Resp: 57
Ion Ratio	Lower Upper
41 100	
39 0.0	60.2 90.4#
67 0.0	74.8 112.2#
52 0.0	28.8 43.2#



#50
Toluene-d8
Concen: 57.021 ug/l
RT: 10.332 min Scan# 1430
Delta R.T. -0.006 min
Lab File: VD071063.D
Acq: 19 Nov 2021 18:17

Tgt Ion: 98	Resp: 23881
Ion Ratio	Lower Upper
98 100	
100 66.1	51.8 77.6

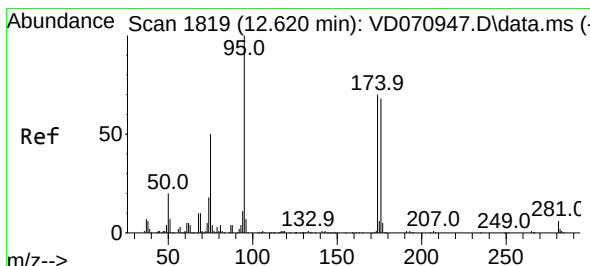
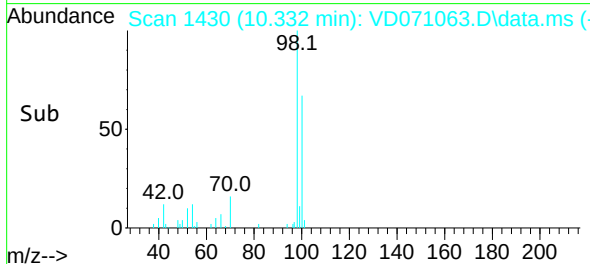
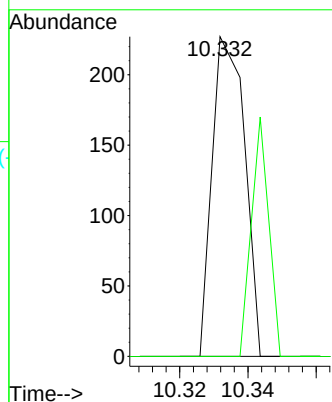
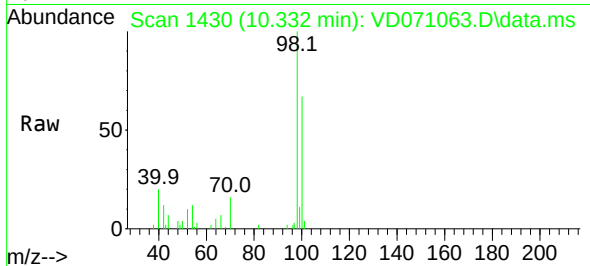




#51
4-Methyl-2-Pentanone
Concen: 1.894 ug/l
RT: 10.332 min Scan# 1411
Delta R.T. 0.112 min
Lab File: VD071063.D
Acq: 19 Nov 2021 18:17

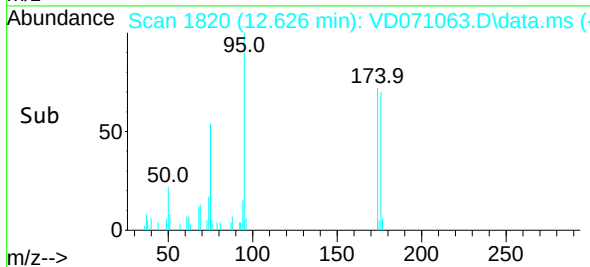
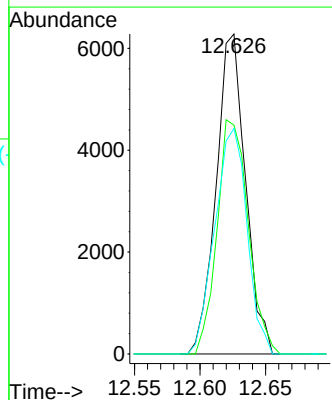
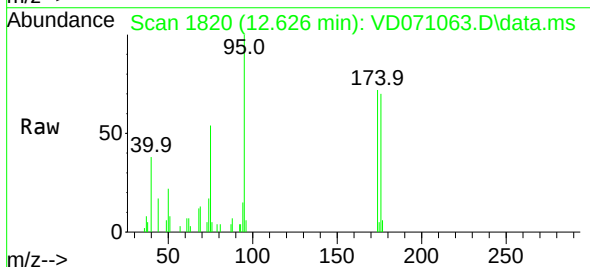
Instrument :
MSVOA_D
ClientSampleId :

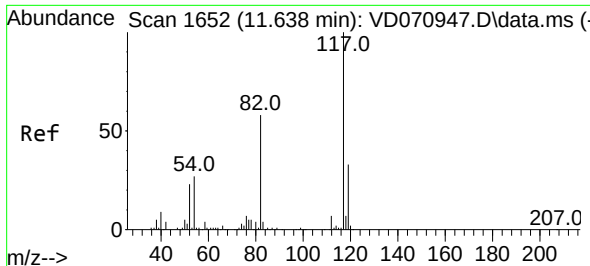
Tgt Ion: 43 Resp: 150
Ion Ratio Lower Upper
43 100
58 40.0 33.1 49.7



#62
4-Bromofluorobenzene
Concen: 64.941 ug/l
RT: 12.626 min Scan# 1820
Delta R.T. 0.006 min
Lab File: VD071063.D
Acq: 19 Nov 2021 18:17

Tgt Ion: 95 Resp: 9793
Ion Ratio Lower Upper
95 100
174 77.4 0.0 159.4
176 77.3 0.0 154.0

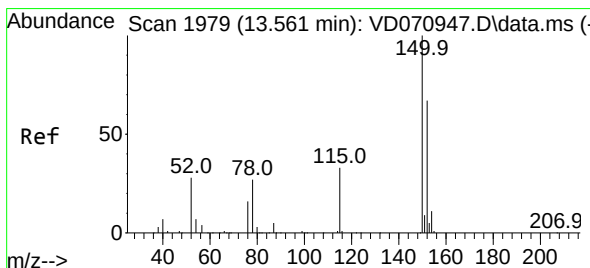
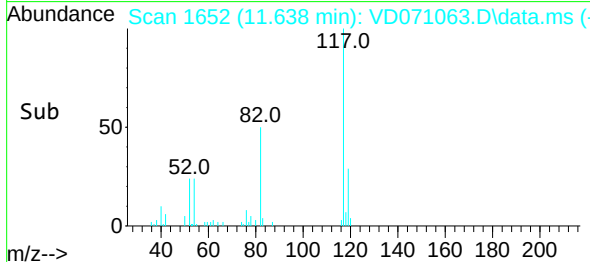
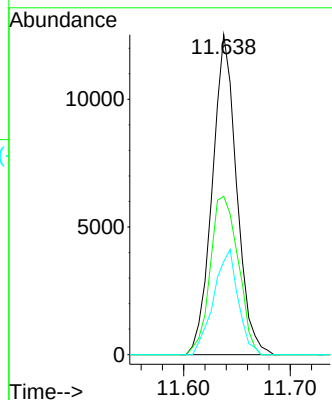
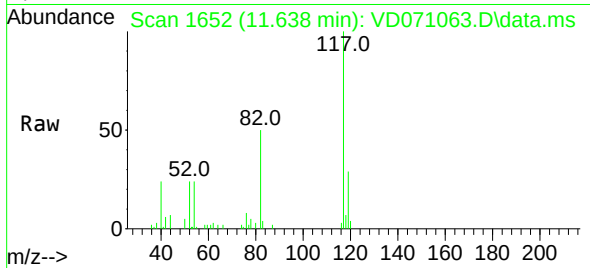




#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.638 min Scan# 11
Delta R.T. -0.000 min
Lab File: VD071063.D
Acq: 19 Nov 2021 18:17

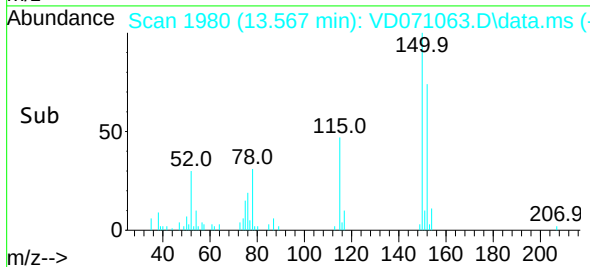
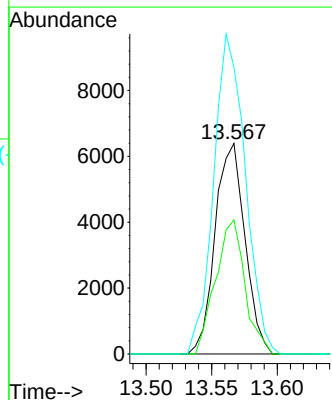
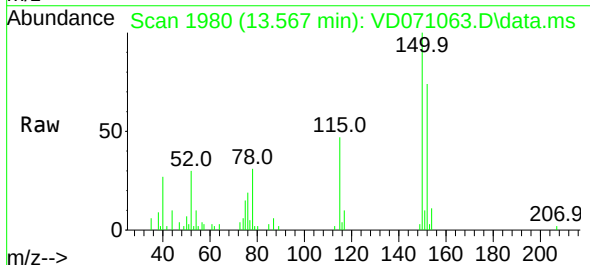
Instrument :
MSVOA_D
ClientSampleId :

Tgt Ion	Ratio	Lower	Upper
117	100		
82	49.5	44.7	67.1
119	29.1	26.2	39.4

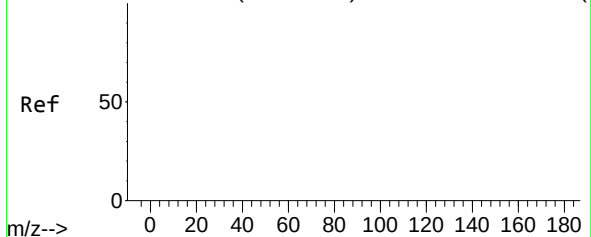


#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 13.567 min Scan# 1980
Delta R.T. 0.006 min
Lab File: VD071063.D
Acq: 19 Nov 2021 18:17

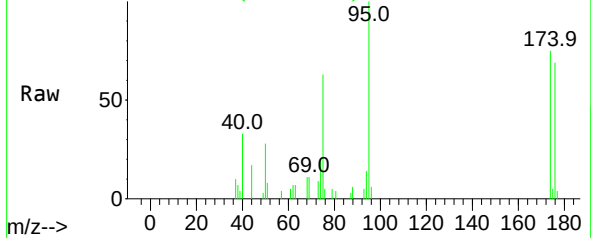
Tgt Ion	Ratio	Lower	Upper
152	100		
115	62.7	29.8	89.3
150	161.5	0.0	349.2



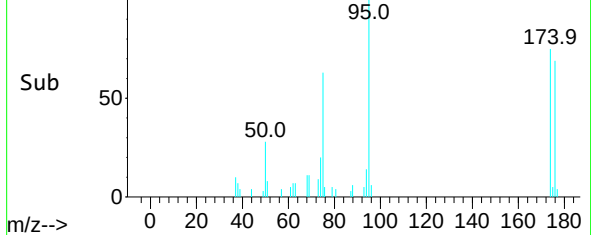
Abundance Scan 1847 (12.785 min): VD070947.D\data.ms (-



Abundance Scan 1819 (12.620 min): VD071063.D\data.ms (-



Abundance Scan 1819 (12.620 min): VD071063.D\data.ms (-



#76

1,2,3-Trichloropropane

Concen: 65.857 ug/l

RT: 12.620 min Scan# 1819

Delta R.T. -0.165 min

Lab File: VD071063.D

Acq: 19 Nov 2021 18:17

Instrument :

MSVOA_D

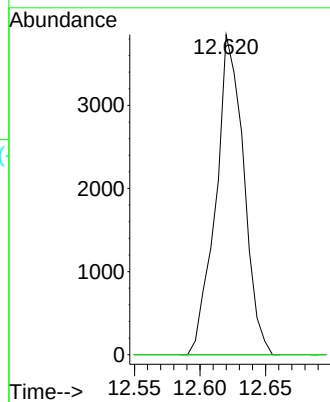
ClientSampleId :

Tgt Ion: 75 Resp: 5684

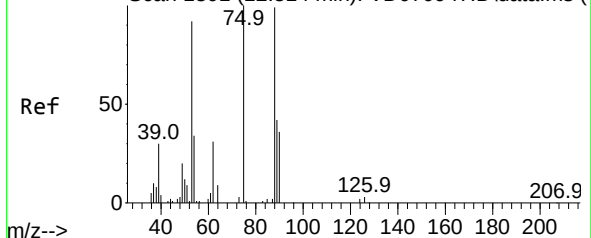
Ion Ratio Lower Upper

75 100

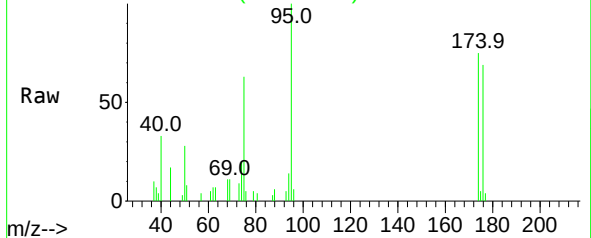
77 0.0 158.4 475.3#



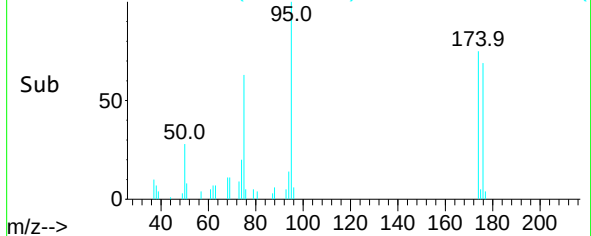
Abundance Scan 1801 (12.514 min): VD070947.D\data.ms (-



Abundance Scan 1819 (12.620 min): VD071063.D\data.ms (-



Abundance Scan 1819 (12.620 min): VD071063.D\data.ms (-



#81

trans-1,4-Dichloro-2-butene

Concen: 121.704 ug/l

RT: 12.620 min Scan# 1819

Delta R.T. 0.106 min

Lab File: VD071063.D

Acq: 19 Nov 2021 18:17

Tgt Ion: 75 Resp: 5684

Ion Ratio Lower Upper

75 100

53 0.0 62.6 94.0#

89 0.0 34.5 51.7#

