

Data Path : Z:\voasrv\HPCHEM1\MSVOA_D\Data\VD113021\
 Data File : VD071087.D
 Acq On : 30 Nov 2021 15:08
 Operator : VA/SY
 Sample : M4858-03
 Misc : 5.86G/5.00ml/MSVOA_D/SOIL
 ALS Vial : 2 Sample Multiplier: 1

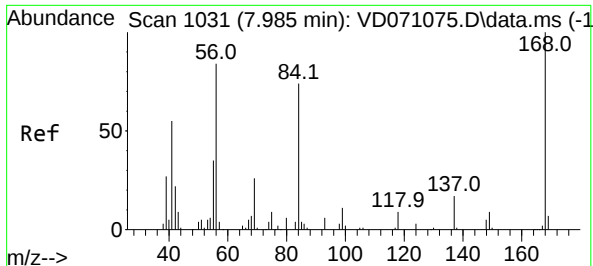
Instrument :
 MSVOA_D
 ClientSampleId :
 B-2(5.2)

Quant Time: Dec 01 03:33:43 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	347791	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	8.867	114	623013	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.644	117	610748	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.567	152	259370	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.332	65	187042	45.833	ug/l	0.00
Spiked Amount 50.000	Range 50 - 163		Recovery =	91.660%		
35) Dibromofluoromethane	7.914	113	192743	48.583	ug/l	0.00
Spiked Amount 50.000	Range 54 - 147		Recovery =	97.160%		
50) Toluene-d8	10.338	98	786547	52.098	ug/l	0.00
Spiked Amount 50.000	Range 49 - 140		Recovery =	104.200%		
62) 4-Bromofluorobenzene	12.626	95	284856	54.431	ug/l	0.00
Spiked Amount 50.000	Range 25 - 144		Recovery =	108.860%		
Target Compounds			Qvalue			
10) Methyl Iodide	4.397	142	57	4.573	ug/l #	40
11) Tert butyl alcohol	5.209	59	67	Below Cal	#	71
16) Acetone	4.168	43	8778	37.899	ug/l #	83
23) Vinyl Acetate	6.297	43	73	27.228	ug/l #	72
25) 2-Butanone	7.209	43	237	28.527	ug/l #	45
27) cis-1,2-Dichloroethene	7.214	96	23060	5.608	ug/l	92
31) Cyclohexane	7.979	56	10242	1.475	ug/l #	26
36) 1,1-Dichloropropene	7.979	75	30685	5.270	ug/l #	50
38) Carbon Tetrachloride	7.979	117	37408	6.517	ug/l #	16
41) Methacrylonitrile	7.520	41	56	Below Cal	#	33
43) Isopropyl Acetate	8.520	43	55	5.232	ug/l #	47
44) Trichloroethene	9.108	130	4598	1.090	ug/l	87
51) 4-Methyl-2-Pentanone	10.220	43	378	30.769	ug/l #	34
56) Ethyl methacrylate	10.714	69	63	5.984	ug/l #	31
59) 2-Hexanone	10.961	43	537	34.790	ug/l #	22
60) Dibromochloromethane	10.873	129	16518	4.695	ug/l #	11
64) Tetrachloroethene	10.873	164	17733	4.574	ug/l	94
71) Bromoform	12.626	173	3263	1.522	ug/l #	1
74) N-amyl acetate	12.291	43	198	5.735	ug/l #	40
76) 1,2,3-Trichloropropane	12.626	75	159722	64.634	ug/l #	1
81) trans-1,4-Dichloro-2-b...	12.626	75	159722	139.492	ug/l #	19

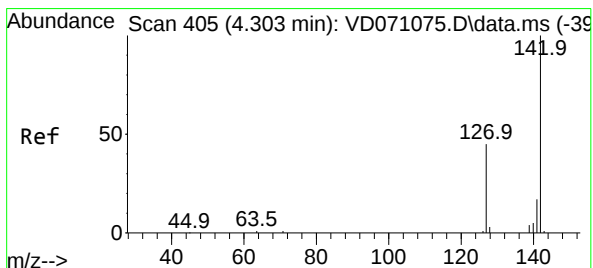
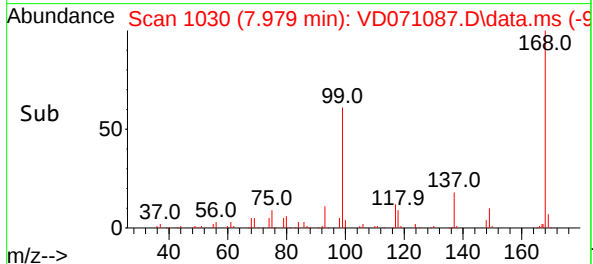
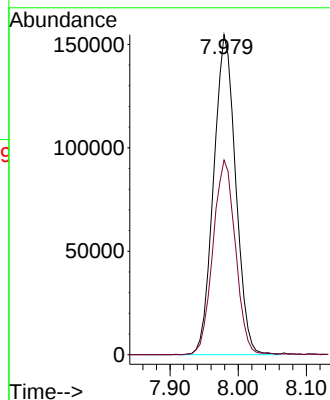
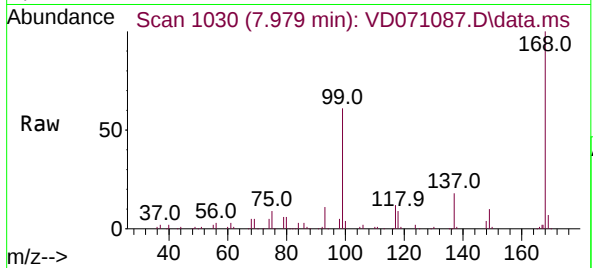
(#) = qualifier out of range (m) = manual integration (+) = signals summed



#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 7.979 min Scan# 1031
Delta R.T. -0.006 min
Lab File: VD071087.D
Acq: 30 Nov 2021 15:08

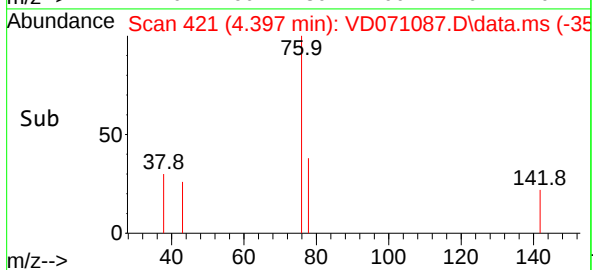
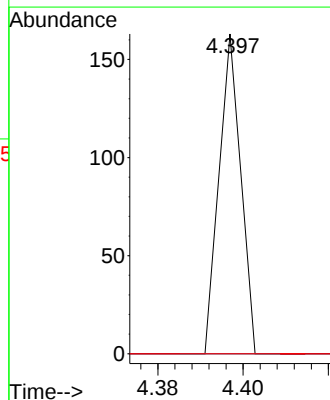
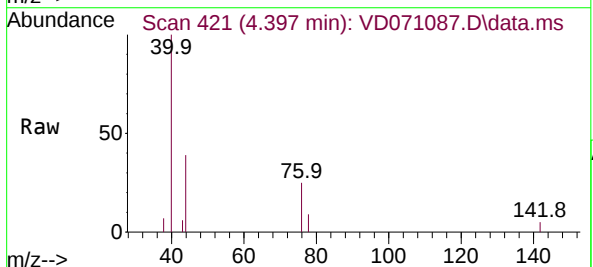
Instrument :
MSVOA_D
ClientSampleId :
B-2(5.2)

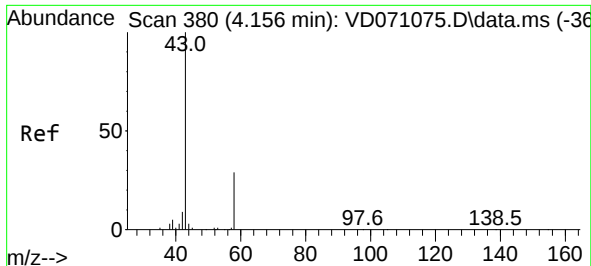
Tgt Ion:168 Resp: 347791
Ion Ratio Lower Upper
168 100
99 60.8 46.6 69.8



#10
Methyl Iodide
Concen: 4.573 ug/l
RT: 4.397 min Scan# 421
Delta R.T. 0.094 min
Lab File: VD071087.D
Acq: 30 Nov 2021 15:08

Tgt Ion:142 Resp: 57
Ion Ratio Lower Upper
142 100
127 0.0 35.0 52.4#
141 0.0 12.0 18.0#

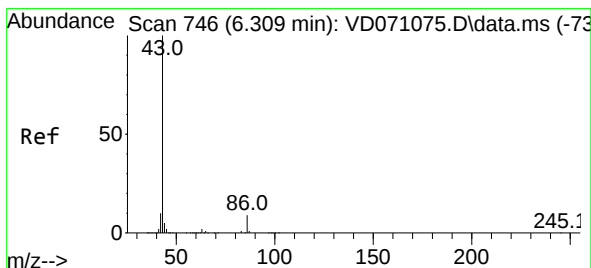
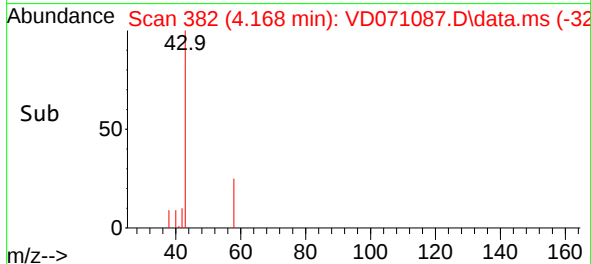
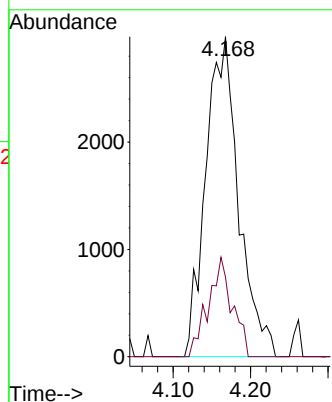
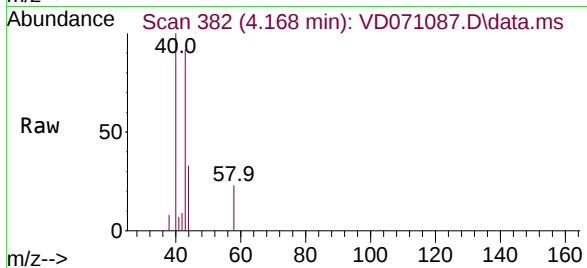




#16
Acetone
Concen: 37.899 ug/l
RT: 4.168 min Scan# 382
Delta R.T. 0.012 min
Lab File: VD071087.D
Acq: 30 Nov 2021 15:08

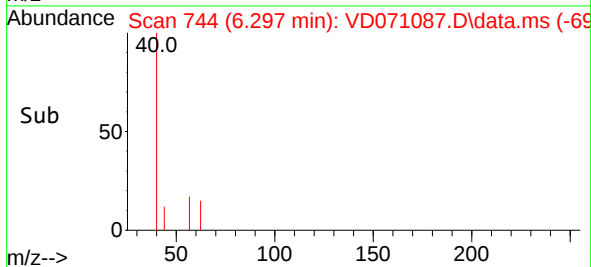
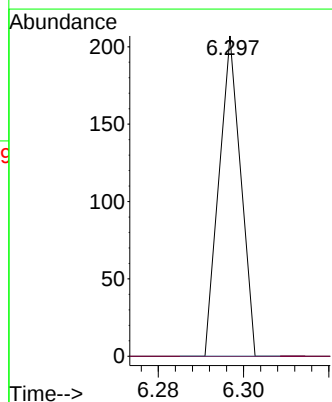
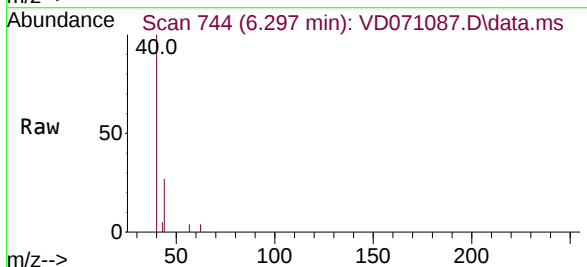
Instrument :
MSVOA_D
ClientSampleId :
B-2(5.2)

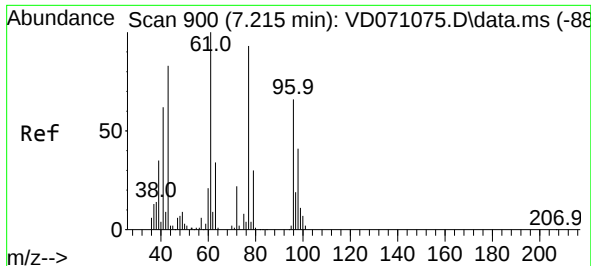
Tgt Ion: 43 Resp: 8778
Ion Ratio Lower Upper
43 100
58 24.9 27.8 41.8#



#23
Vinyl Acetate
Concen: 27.228 ug/l
RT: 6.297 min Scan# 744
Delta R.T. -0.012 min
Lab File: VD071087.D
Acq: 30 Nov 2021 15:08

Tgt Ion: 43 Resp: 73
Ion Ratio Lower Upper
43 100
86 0.0 8.2 12.4#

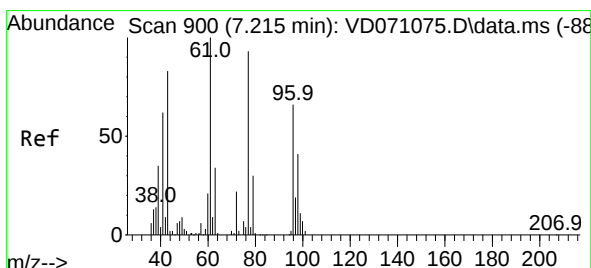
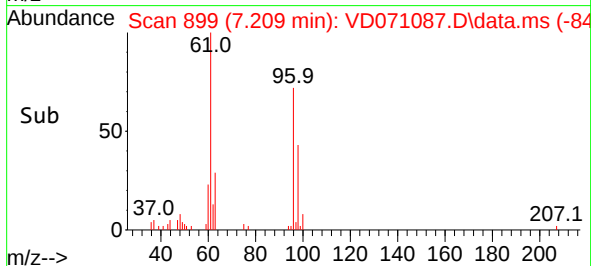
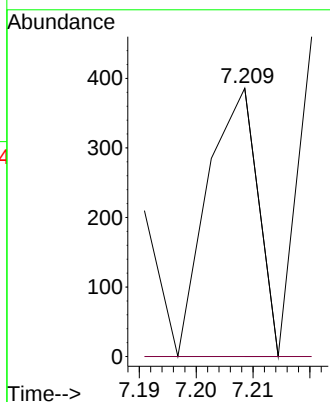
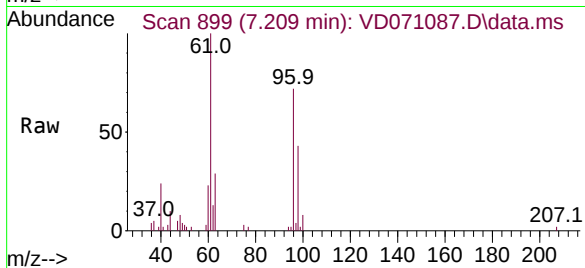




#25
2-Butanone
Concen: 28.527 ug/l
RT: 7.209 min Scan# 899
Delta R.T. -0.006 min
Lab File: VD071087.D
Acq: 30 Nov 2021 15:08

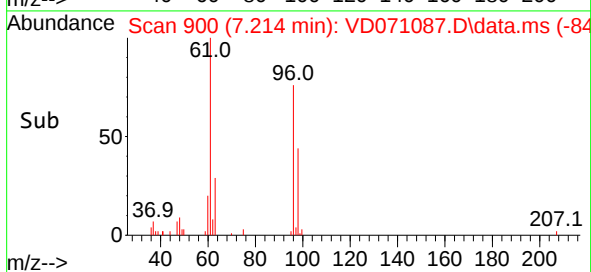
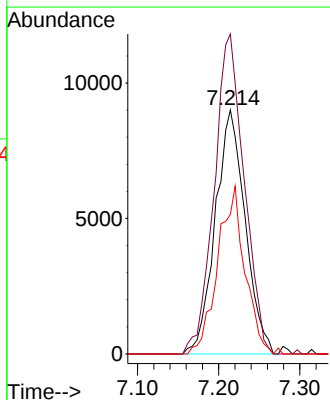
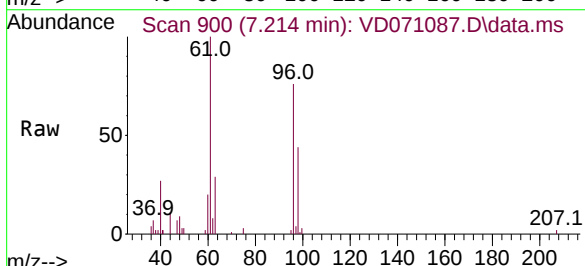
Instrument :
MSVOA_D
ClientSampleId :
B-2(5.2)

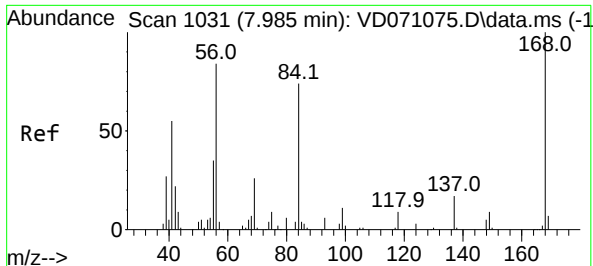
Tgt Ion: 43 Resp: 237
Ion Ratio Lower Upper
43 100
72 0.0 23.8 35.6#



#27
cis-1,2-Dichloroethene
Concen: 5.608 ug/l
RT: 7.214 min Scan# 900
Delta R.T. -0.001 min
Lab File: VD071087.D
Acq: 30 Nov 2021 15:08

Tgt Ion: 96 Resp: 23060
Ion Ratio Lower Upper
96 100
61 131.3 0.0 288.6
98 62.5 0.0 129.2





#31

Cyclohexane

Concen: 1.475 ug/l

RT: 7.979 min Scan# 1030

Delta R.T. -0.006 min

Lab File: VD071087.D

Acq: 30 Nov 2021 15:08

Instrument :

MSVOA_D

ClientSampleId :

B-2(5.2)

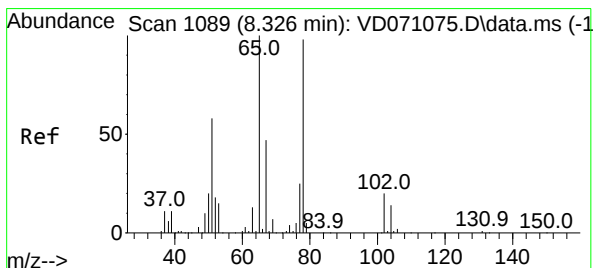
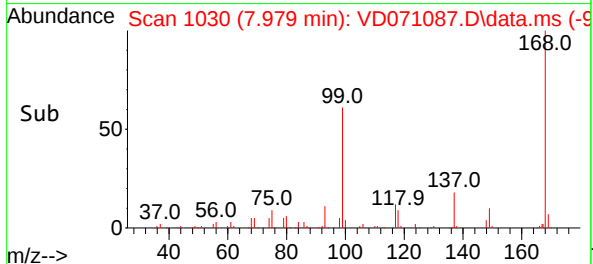
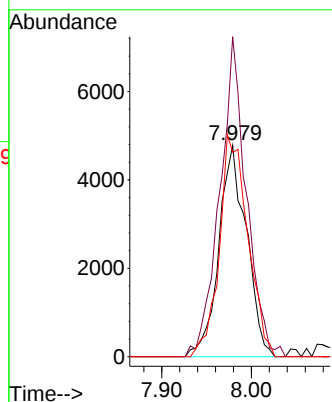
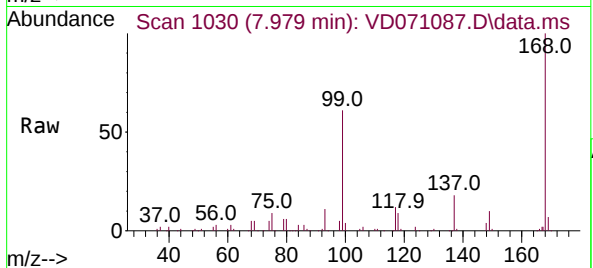
Tgt Ion: 56 Resp: 10242

Ion Ratio Lower Upper

56 100

69 151.4 25.9 38.9#

84 96.7 64.3 96.5#



#33

1,2-Dichloroethane-d4

Concen: 45.833 ug/l

RT: 8.332 min Scan# 1090

Delta R.T. 0.006 min

Lab File: VD071087.D

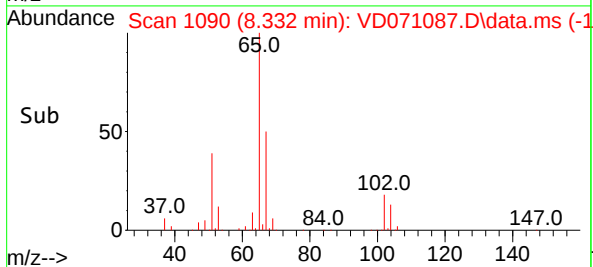
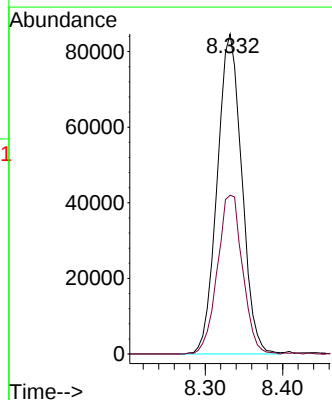
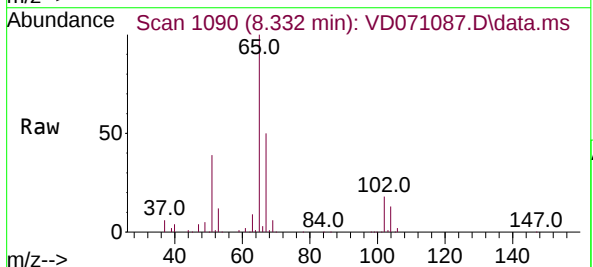
Acq: 30 Nov 2021 15:08

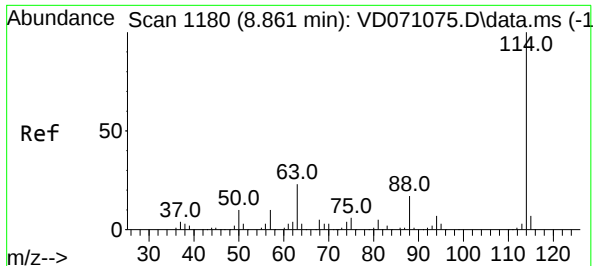
Tgt Ion: 65 Resp: 187042

Ion Ratio Lower Upper

65 100

67 50.8 0.0 112.2





#34

1,4-Difluorobenzene

Concen: 50.000 ug/l

RT: 8.867 min Scan# 1180

Delta R.T. 0.006 min

Lab File: VD071087.D

Acq: 30 Nov 2021 15:08

Instrument :

MSVOA_D

ClientSampleId :

B-2(5.2)

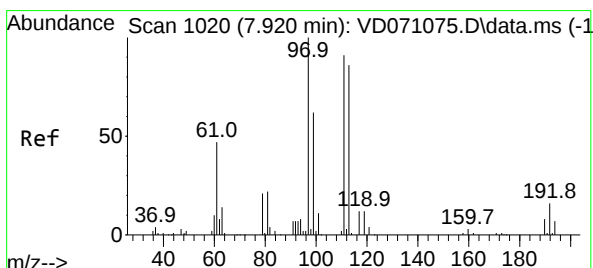
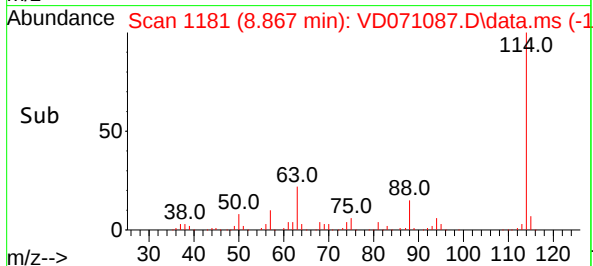
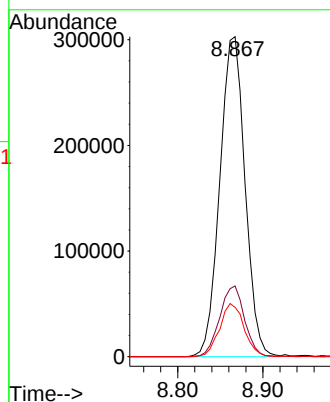
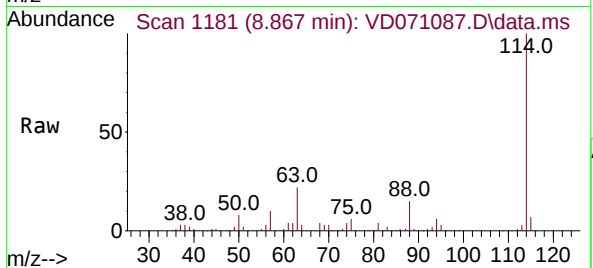
Tgt Ion:114 Resp: 623013

Ion Ratio Lower Upper

114 100

63 22.1 0.0 41.8

88 15.4 0.0 32.8



#35

Dibromofluoromethane

Concen: 48.583 ug/l

RT: 7.914 min Scan# 1019

Delta R.T. -0.006 min

Lab File: VD071087.D

Acq: 30 Nov 2021 15:08

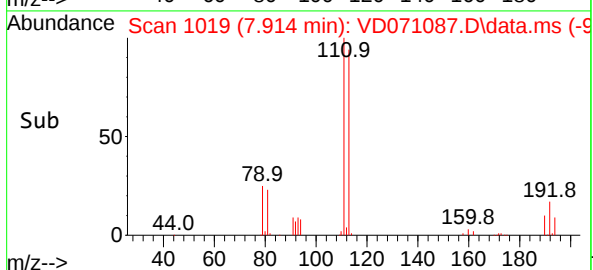
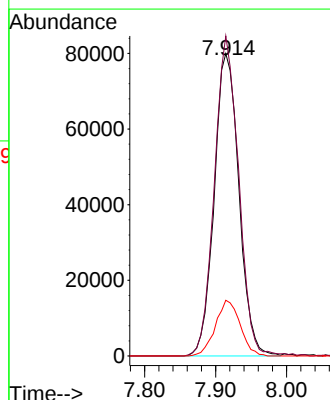
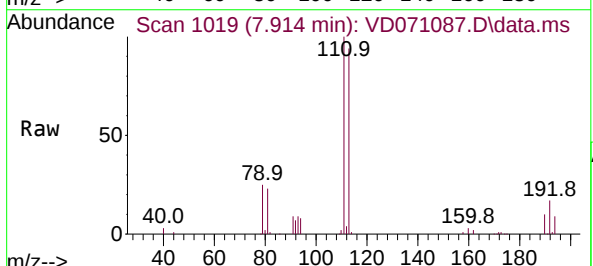
Tgt Ion:113 Resp: 192743

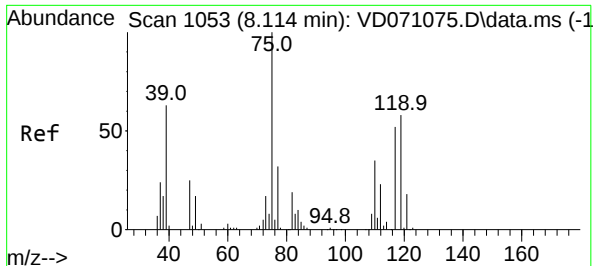
Ion Ratio Lower Upper

113 100

111 104.2 82.0 123.0

192 18.4 15.2 22.8





#36

1,1-Dichloropropene

Concen: 5.270 ug/l

RT: 7.979 min Scan# 1030

Delta R.T. -0.135 min

Lab File: VD071087.D

Acq: 30 Nov 2021 15:08

Instrument :

MSVOA_D

ClientSampleId :

B-2(5.2)

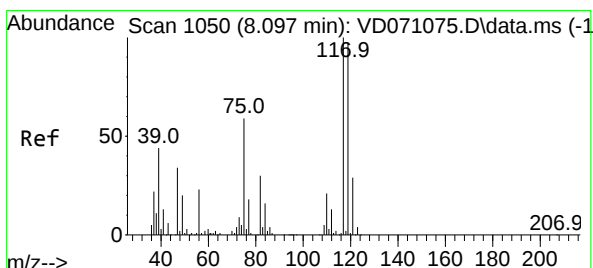
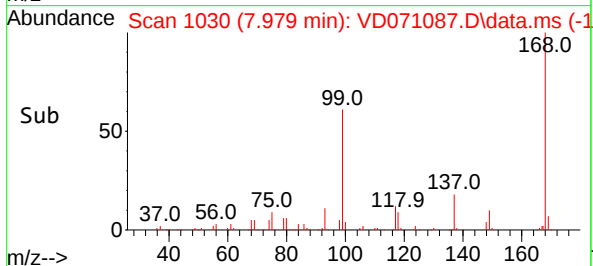
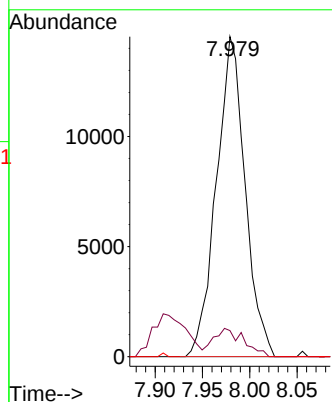
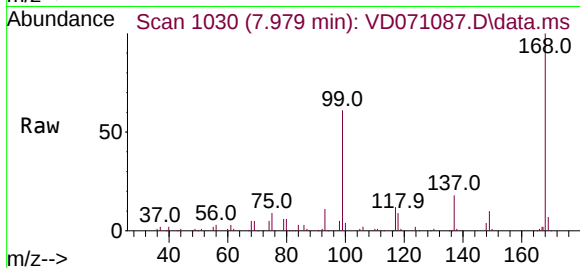
Tgt Ion: 75 Resp: 30685

Ion Ratio Lower Upper

75 100

110 9.3 17.8 53.4#

77 0.0 24.8 37.2#



#38

Carbon Tetrachloride

Concen: 6.517 ug/l

RT: 7.979 min Scan# 1030

Delta R.T. -0.118 min

Lab File: VD071087.D

Acq: 30 Nov 2021 15:08

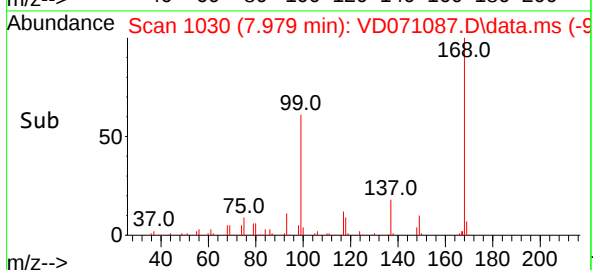
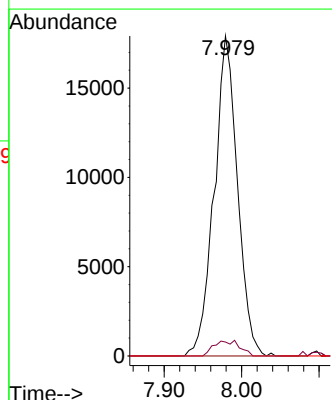
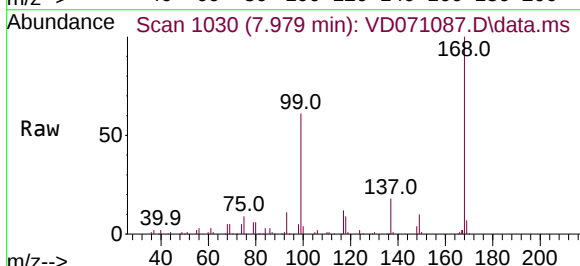
Tgt Ion: 117 Resp: 37408

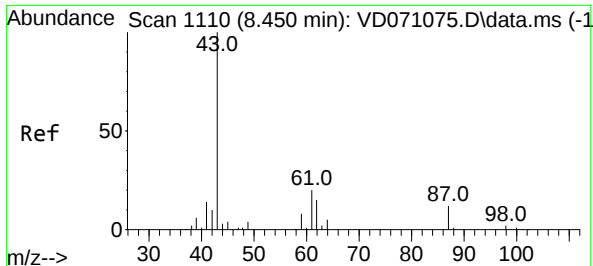
Ion Ratio Lower Upper

117 100

119 4.3 75.8 113.6#

121 0.0 23.6 35.4#





#43

Isopropyl Acetate

Concen: 5.232 ug/l

RT: 8.520 min Scan# 1110

Delta R.T. 0.070 min

Lab File: VD071087.D

Acq: 30 Nov 2021 15:08

Instrument :

MSVOA_D

ClientSampleId :

B-2(5.2)

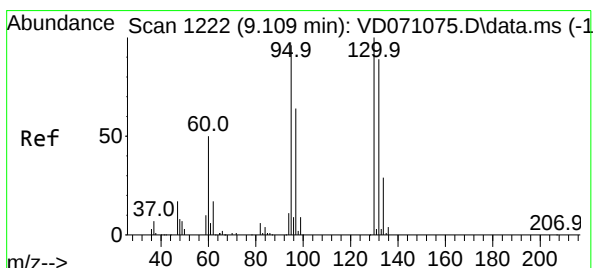
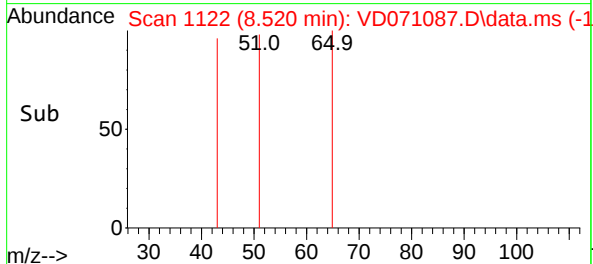
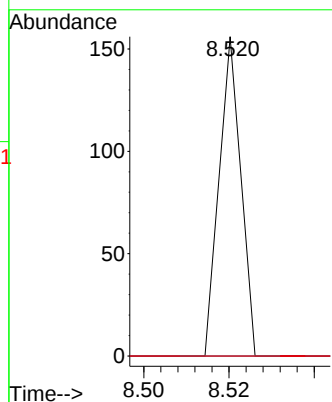
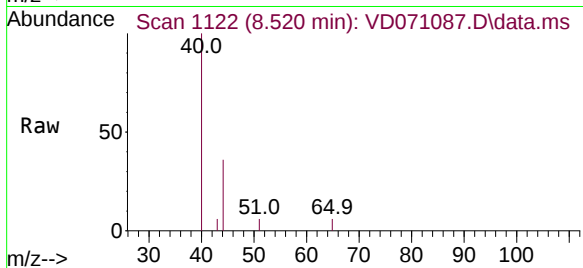
Tgt Ion: 43 Resp: 55

Ion Ratio Lower Upper

43 100

61 0.0 28.2 42.4#

87 0.0 10.7 16.1#



#44

Trichloroethene

Concen: 1.090 ug/l

RT: 9.108 min Scan# 1222

Delta R.T. -0.001 min

Lab File: VD071087.D

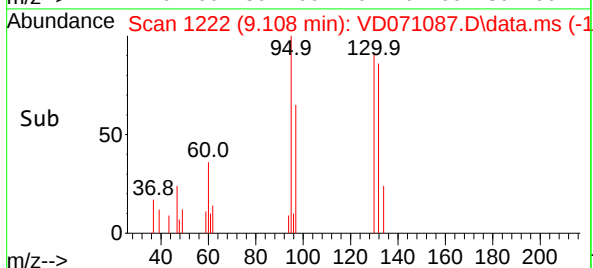
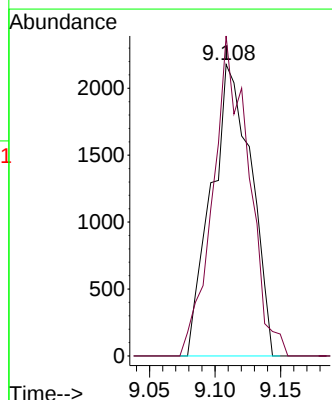
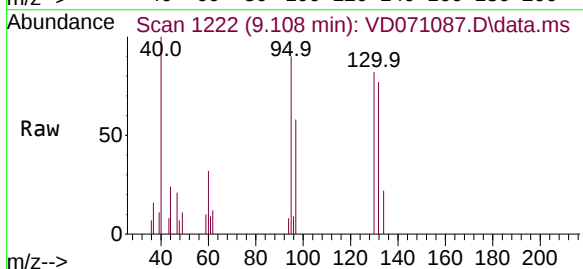
Acq: 30 Nov 2021 15:08

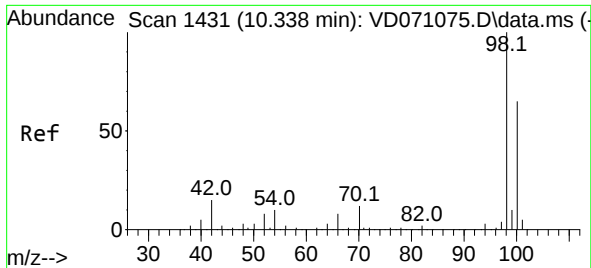
Tgt Ion:130 Resp: 4598

Ion Ratio Lower Upper

130 100

95 109.8 0.0 193.2

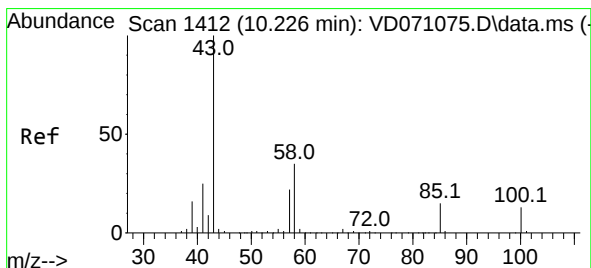
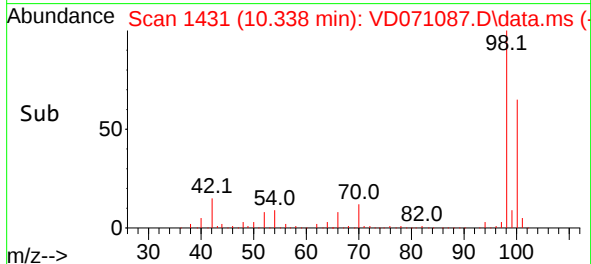
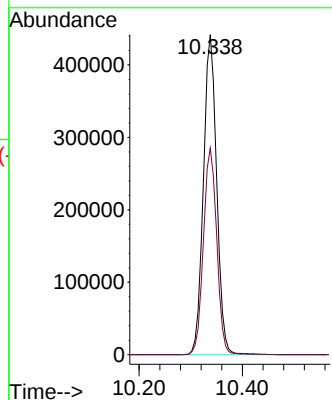
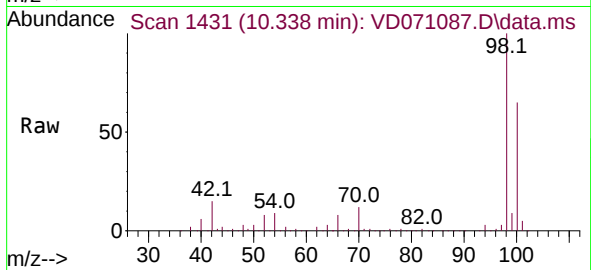




#50
Toluene-d8
Concen: 52.098 ug/l
RT: 10.338 min Scan# 1431
Delta R.T. -0.000 min
Lab File: VD071087.D
Acq: 30 Nov 2021 15:08

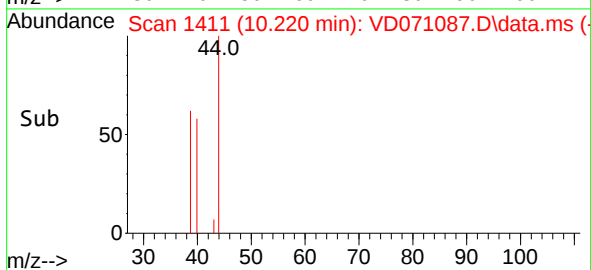
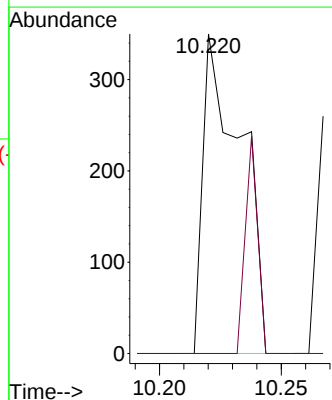
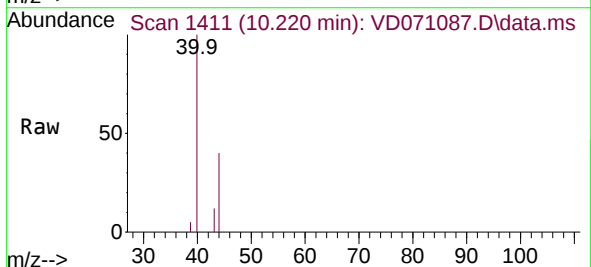
Instrument :
MSVOA_D
ClientSampleId :
B-2(5.2)

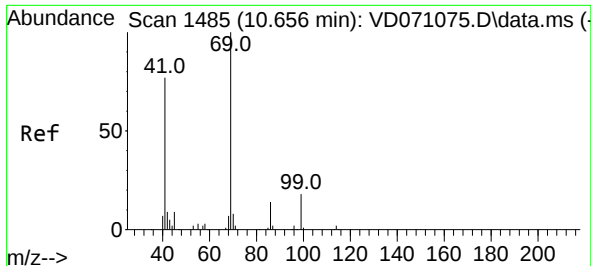
Tgt Ion: 98 Resp: 786547
Ion Ratio Lower Upper
98 100
100 65.0 51.8 77.6



#51
4-Methyl-2-Pentanone
Concen: 30.769 ug/l
RT: 10.220 min Scan# 1411
Delta R.T. -0.006 min
Lab File: VD071087.D
Acq: 30 Nov 2021 15:08

Tgt Ion: 43 Resp: 378
Ion Ratio Lower Upper
43 100
58 0.0 33.1 49.7#

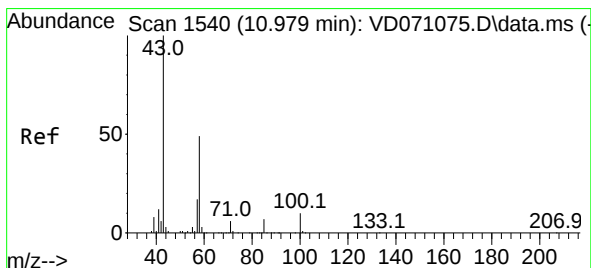
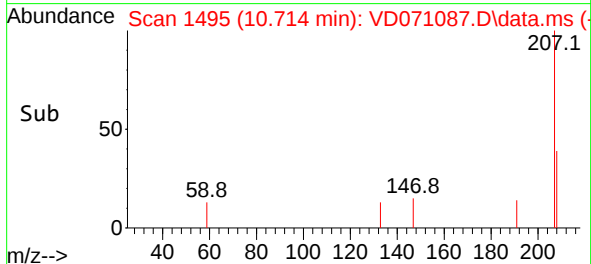
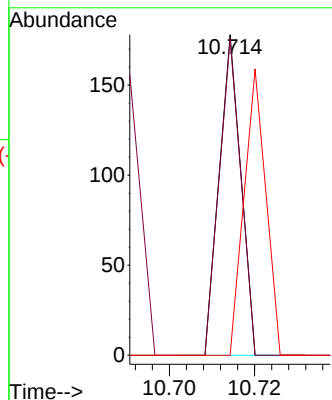
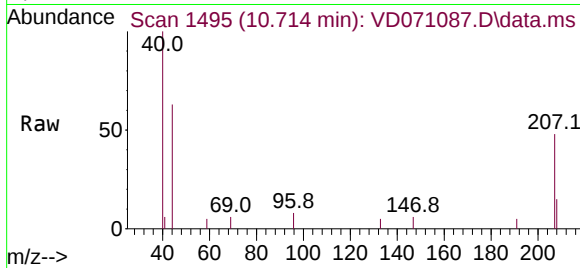




#56
Ethyl methacrylate
Concen: 5.984 ug/l
RT: 10.714 min Scan# 1485
Delta R.T. 0.058 min
Lab File: VD071087.D
Acq: 30 Nov 2021 15:08

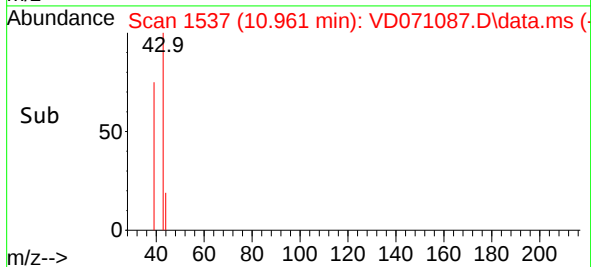
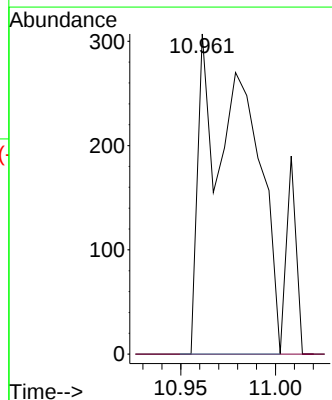
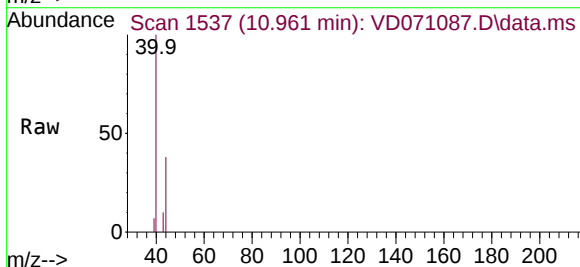
Instrument :
MSVOA_D
ClientSampleId :
B-2(5.2)

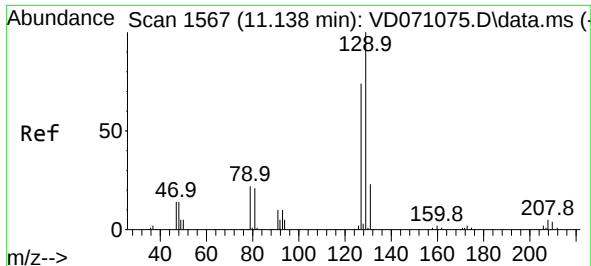
Tgt Ion: 69 Resp: 63
Ion Ratio Lower Upper
69 100
41 98.4 50.2 75.2#
39 88.9 19.8 29.8#



#59
2-Hexanone
Concen: 34.790 ug/l
RT: 10.961 min Scan# 1537
Delta R.T. -0.018 min
Lab File: VD071087.D
Acq: 30 Nov 2021 15:08

Tgt Ion: 43 Resp: 537
Ion Ratio Lower Upper
43 100
58 0.0 28.7 86.1#

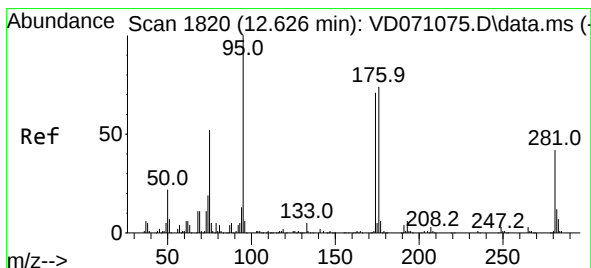
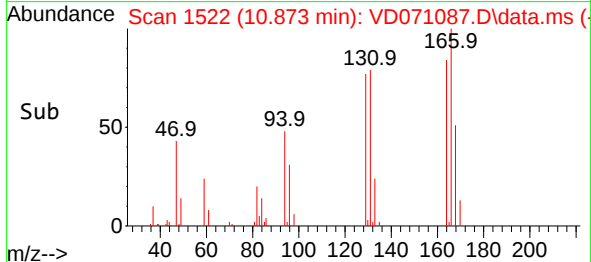
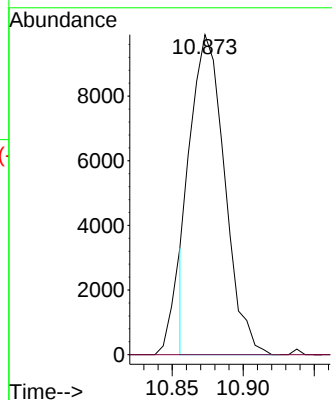
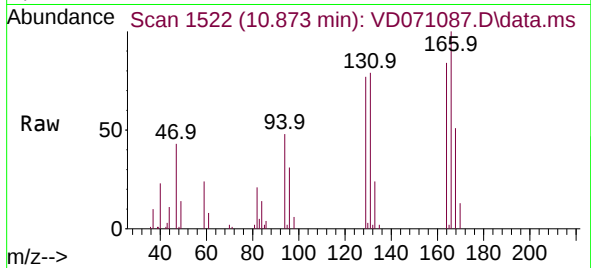




#60
Dibromochloromethane
Concen: 4.695 ug/l
RT: 10.873 min Scan# 111
Delta R.T. -0.265 min
Lab File: VD071087.D
Acq: 30 Nov 2021 15:08

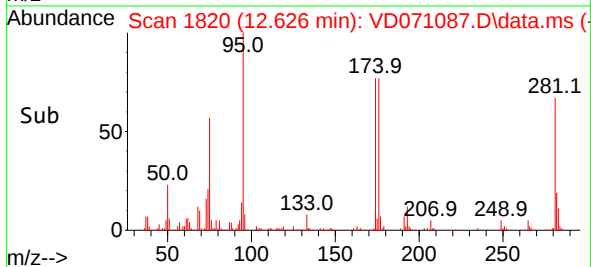
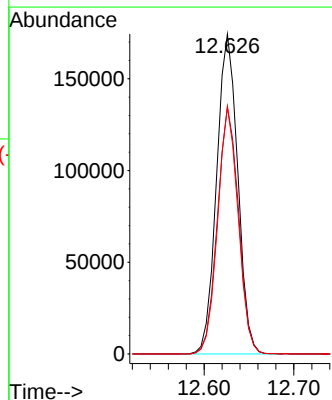
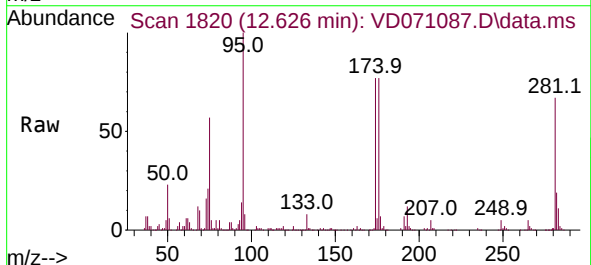
Instrument :
MSVOA_D
ClientSampleId :
B-2(5.2)

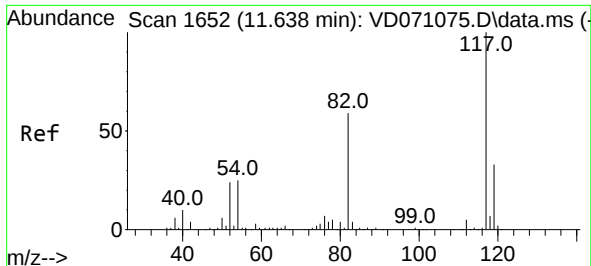
Tgt Ion:129 Resp: 16518
Ion Ratio Lower Upper
129 100
127 0.0 38.9 116.6#



#62
4-Bromofluorobenzene
Concen: 54.431 ug/l
RT: 12.626 min Scan# 1820
Delta R.T. -0.000 min
Lab File: VD071087.D
Acq: 30 Nov 2021 15:08

Tgt Ion: 95 Resp: 284856
Ion Ratio Lower Upper
95 100
174 77.1 0.0 159.4
176 74.6 0.0 154.0

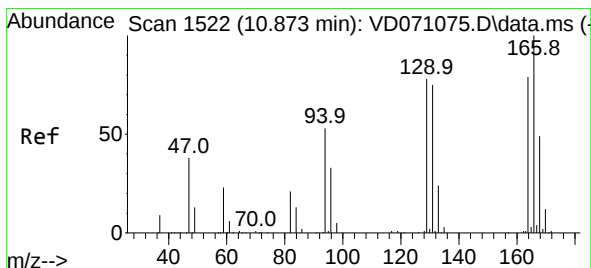
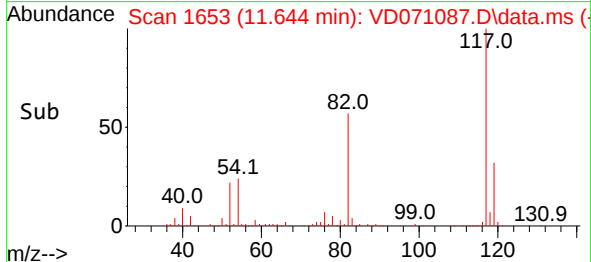
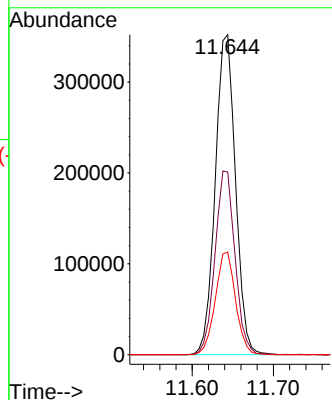
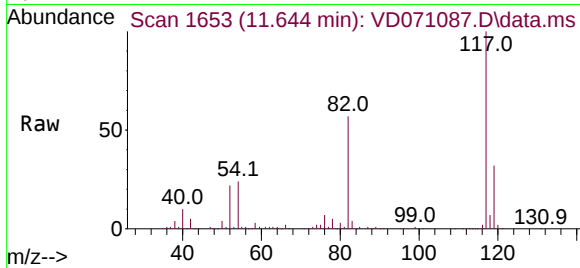




#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.644 min Scan# 11
Delta R.T. 0.006 min
Lab File: VD071087.D
Acq: 30 Nov 2021 15:08

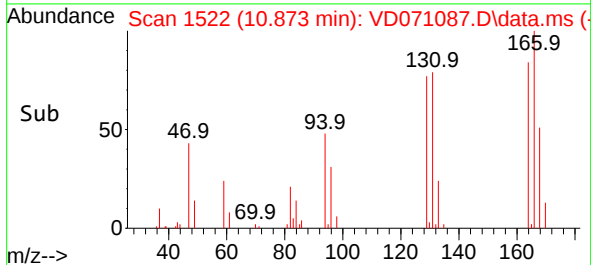
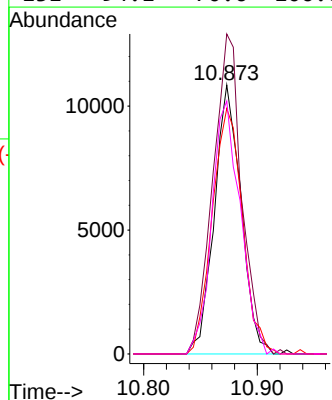
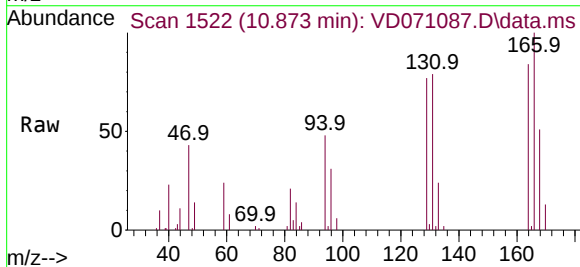
Instrument :
MSVOA_D
ClientSampleId :
B-2(5.2)

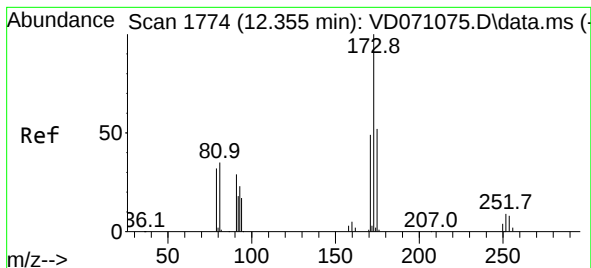
Tgt Ion:117 Resp: 610748
Ion Ratio Lower Upper
117 100
82 57.1 44.7 67.1
119 32.0 26.2 39.4



#64
Tetrachloroethene
Concen: 4.574 ug/l
RT: 10.873 min Scan# 1522
Delta R.T. 0.000 min
Lab File: VD071087.D
Acq: 30 Nov 2021 15:08

Tgt Ion:164 Resp: 17733
Ion Ratio Lower Upper
164 100
166 119.0 102.6 153.8
129 91.3 75.4 113.0
131 94.1 70.6 106.0





#71

Bromoform

Concen: 1.522 ug/l

RT: 12.626 min Scan# 1820

Delta R.T. 0.271 min

Lab File: VD071087.D

Acq: 30 Nov 2021 15:08

Instrument :

MSVOA_D

ClientSampleId :

B-2(5.2)

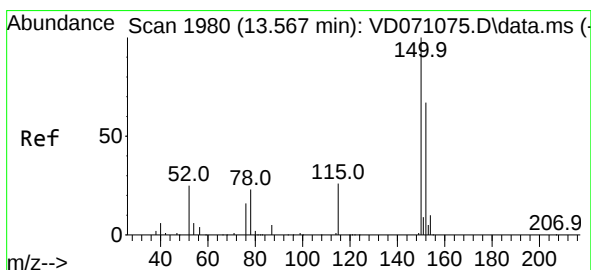
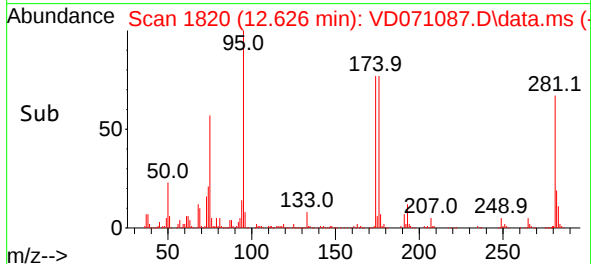
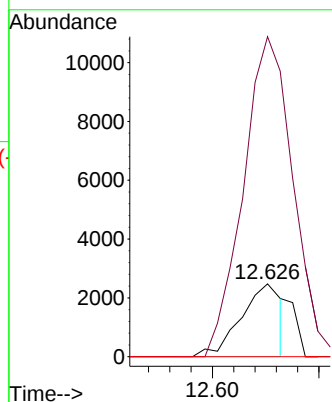
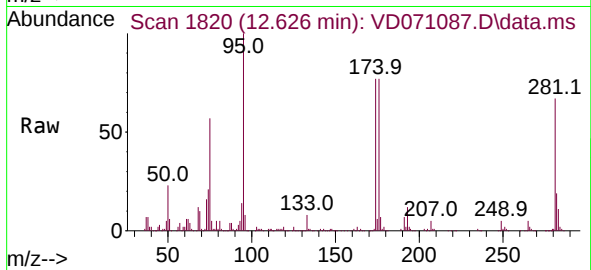
Tgt Ion:173 Resp: 3263

Ion Ratio Lower Upper

173 100

175 426.4 24.1 72.2#

254 0.0 0.1 0.1#



#72

1,4-Dichlorobenzene-d4

Concen: 50.000 ug/l

RT: 13.567 min Scan# 1980

Delta R.T. 0.000 min

Lab File: VD071087.D

Acq: 30 Nov 2021 15:08

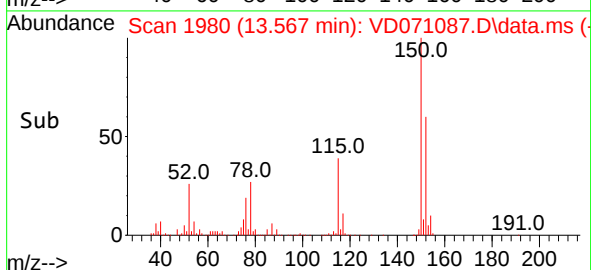
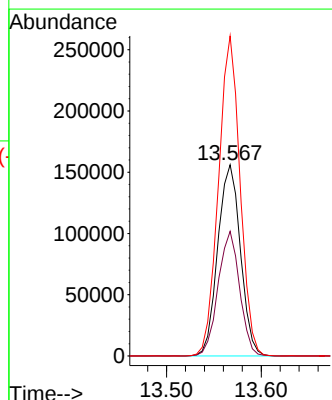
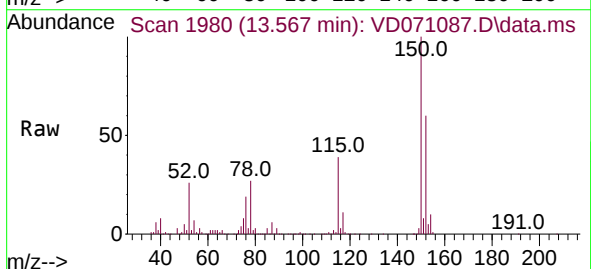
Tgt Ion:152 Resp: 259370

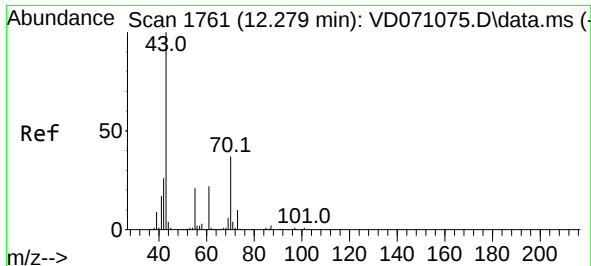
Ion Ratio Lower Upper

152 100

115 62.1 29.8 89.3

150 159.5 0.0 349.2

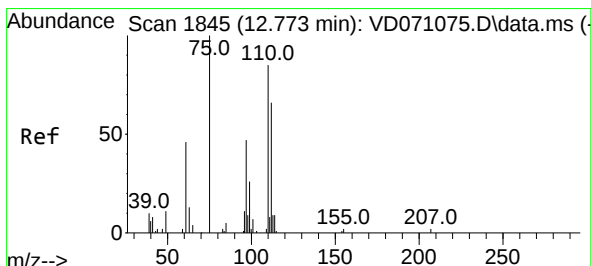
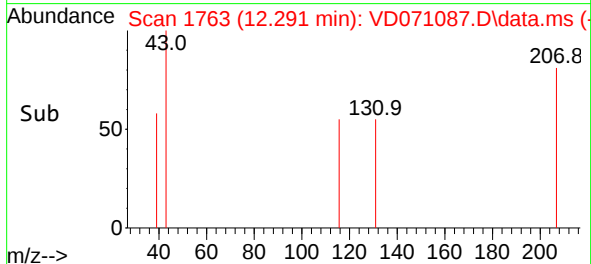
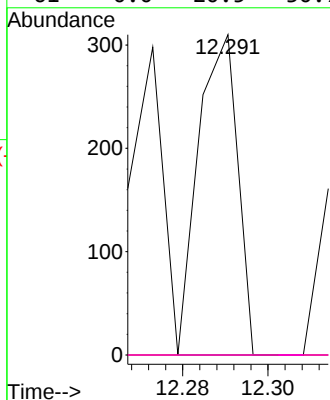
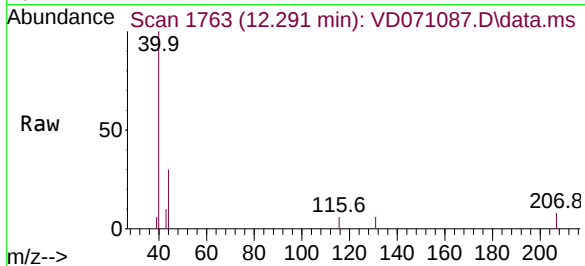




#74
N-amy1 acetate
Concen: 5.735 ug/l
RT: 12.291 min Scan# 11
Delta R.T. 0.012 min
Lab File: VD071087.D
Acq: 30 Nov 2021 15:08

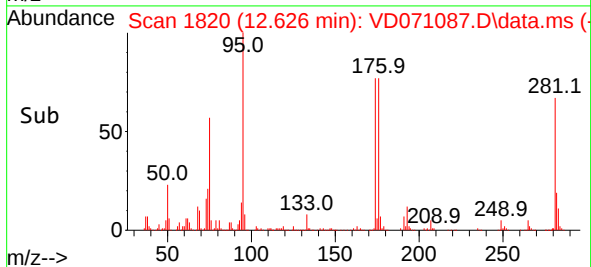
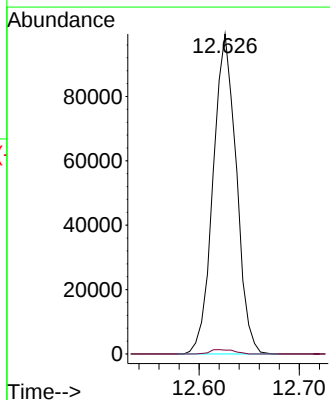
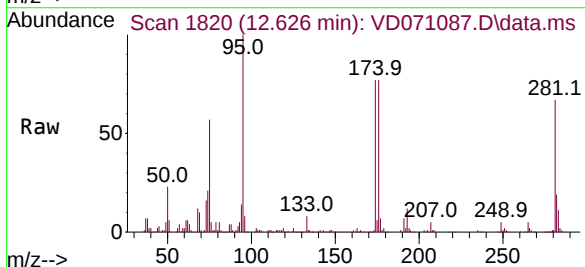
Instrument :
MSVOA_D
ClientSampleId :
B-2(5.2)

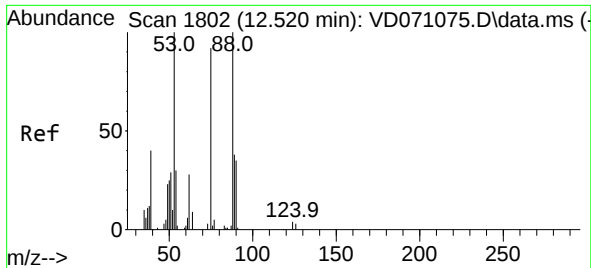
Tgt Ion: 43	Resp: 198
Ion Ratio	Lower Upper
43	100
70	0.0 36.6 55.0#
55	0.0 22.5 33.7#
61	0.0 20.5 30.7#



#76
1,2,3-Trichloropropane
Concen: 64.634 ug/l
RT: 12.626 min Scan# 1820
Delta R.T. -0.147 min
Lab File: VD071087.D
Acq: 30 Nov 2021 15:08

Tgt Ion: 75	Resp: 159722
Ion Ratio	Lower Upper
75	100
77	1.4 158.4 475.3#





#81
 trans-1,4-Dichloro-2-butene
 Concen: 139.492 ug/l
 RT: 12.626 min Scan# 11
 Delta R.T. 0.106 min
 Lab File: VD071087.D
 Acq: 30 Nov 2021 15:08

Instrument :
 MSVOA_D
 ClientSampleId :
 B-2(5.2)

Tgt Ion: 75 Resp: 159722
 Ion Ratio Lower Upper
 75 100
 53 0.0 62.6 94.0#
 89 1.0 34.5 51.7#

