

Data Path : Z:\voasrv\HPCHEM1\MSVOA_D\Data\VD052122\
 Data File : VD073237.D
 Acq On : 21 May 2022 18:52
 Operator : VA/SY
 Sample : N2870-08
 Misc : 5.87G/5.00ml/MSVOA_D/SOIL
 ALS Vial : 13 Sample Multiplier: 1

Instrument :
 MSVOA_D
 ClientSampleId :
 P034-SS001-1218-01

Quant Time: May 22 01:33:28 2022
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_D\Method\82D051922S.M
 Quant Title : SW846 8260
 QLast Update : Thu May 19 15:13:42 2022
 Response via : Initial Calibration

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

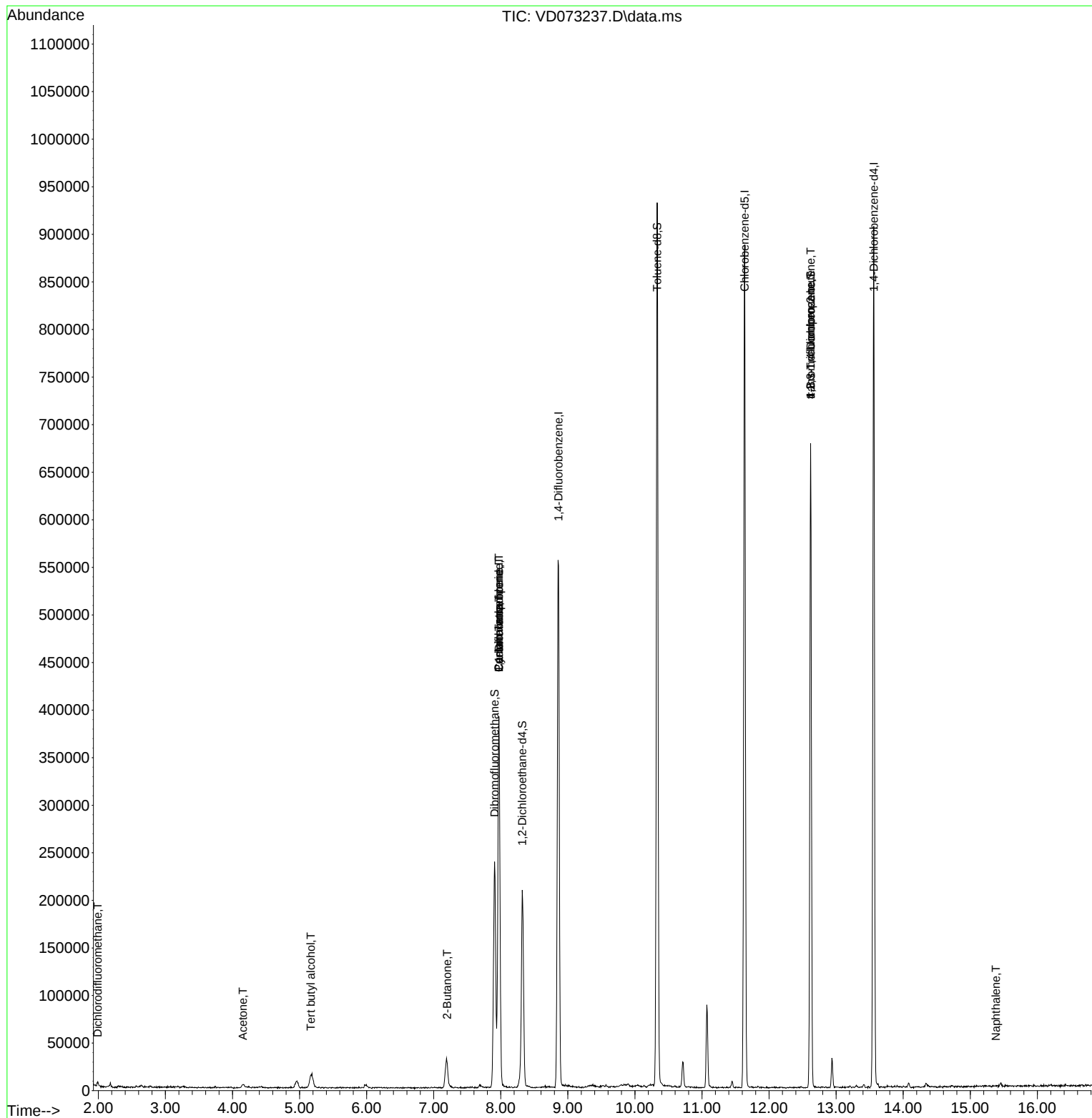
Internal Standards						
1) Pentafluorobenzene	7.973	168	273502	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	8.861	114	484956	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.638	117	517388	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.561	152	232002	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.320	65	160908	53.235	ug/l	0.00
Spiked Amount 50.000	Range 50 - 163		Recovery = 106.480%			
35) Dibromofluoromethane	7.908	113	169956	53.110	ug/l	0.00
Spiked Amount 50.000	Range 54 - 147		Recovery = 106.220%			
50) Toluene-d8	10.332	98	610334	51.740	ug/l	0.00
Spiked Amount 50.000	Range 49 - 140		Recovery = 103.480%			
62) 4-Bromofluorobenzene	12.620	95	221105	53.410	ug/l	0.00
Spiked Amount 50.000	Range 25 - 144		Recovery = 106.820%			
Target Compounds			Qvalue			
2) Dichlorodifluoromethane	1.991	85	3650	1.336	ug/l	91
5) Bromomethane	2.779	94	726	Below Cal		84
11) Tert butyl alcohol	5.167	59	13836	29.504	ug/l #	75
13) Acrolein	4.026	56	61	Below Cal	#	14
16) Acetone	4.156	43	6637	12.677	ug/l #	82
20) Methylene Chloride	4.961	84	5588	Below Cal	#	91
25) 2-Butanone	7.202	43	1028	1.342	ug/l #	52
31) Cyclohexane	7.973	56	6395	1.211	ug/l #	33
36) 1,1-Dichloropropene	7.973	75	22858	4.749	ug/l #	51
38) Carbon Tetrachloride	7.973	117	28492	5.840	ug/l #	15
76) 1,2,3-Trichloropropane	12.620	75	112920	49.606	ug/l #	100
81) trans-1,4-Dichloro-2-b...	12.620	75	112920	119.089	ug/l #	7
95) Naphthalene	15.384	128	222	3.569	ug/l #	70

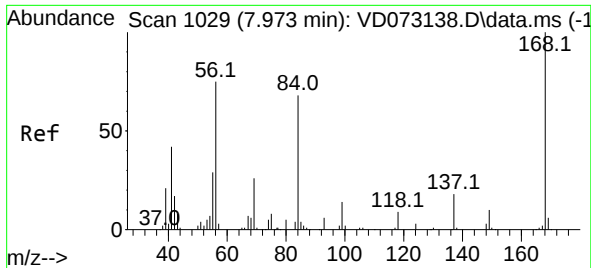
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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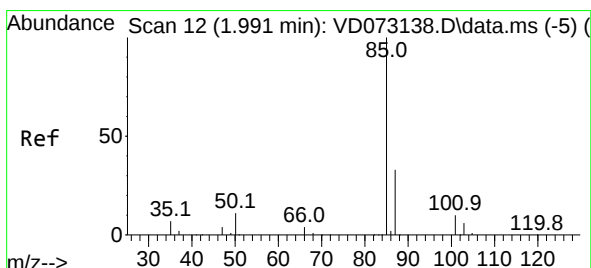
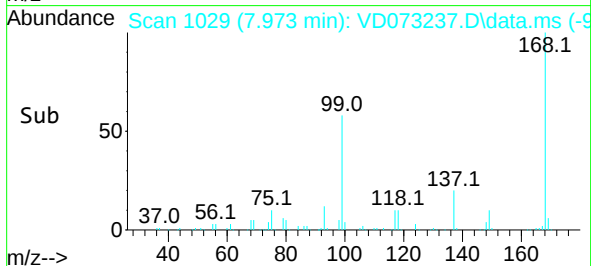
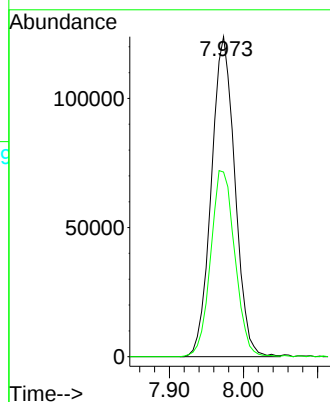
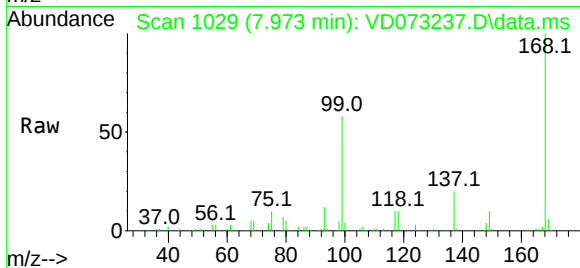




#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 7.973 min Scan# 1029
Delta R.T. 0.000 min
Lab File: VD073237.D
Acq: 21 May 2022 18:52

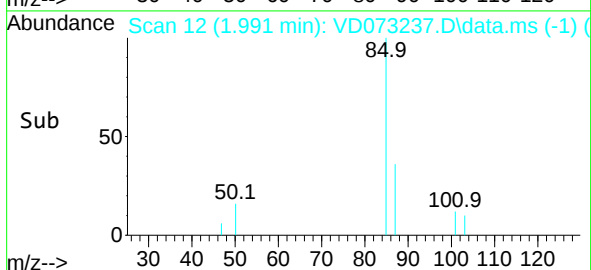
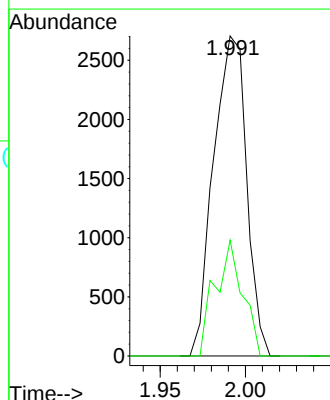
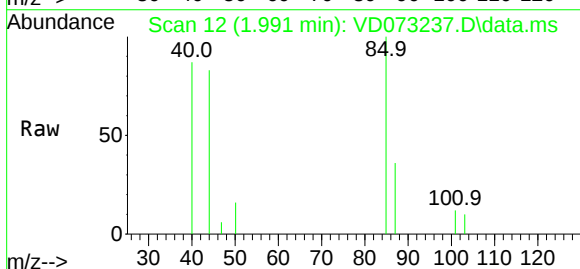
Instrument :
MSVOA_D
ClientSampleId :
P034-SS001-1218-01

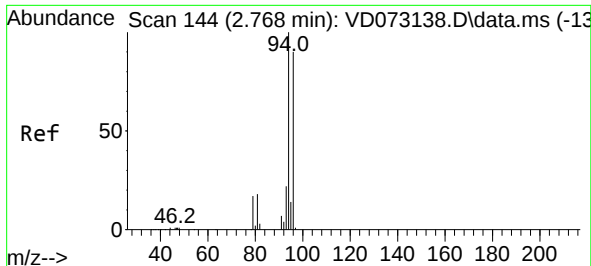
Tgt Ion:168 Resp: 273502
Ion Ratio Lower Upper
168 100
99 57.7 49.8 74.6



#2
Dichlorodifluoromethane
Concen: 1.336 ug/l
RT: 1.991 min Scan# 12
Delta R.T. -0.000 min
Lab File: VD073237.D
Acq: 21 May 2022 18:52

Tgt Ion: 85 Resp: 3650
Ion Ratio Lower Upper
85 100
87 36.2 15.7 47.0

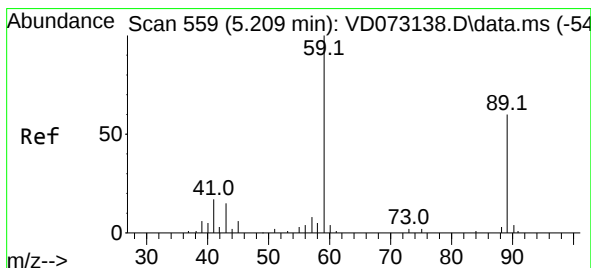
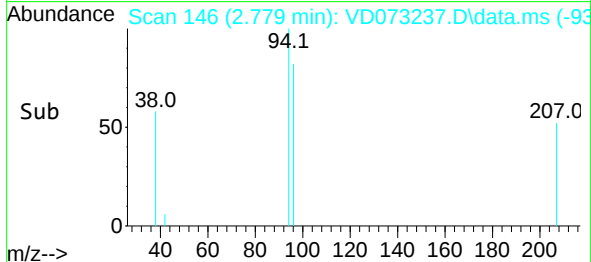
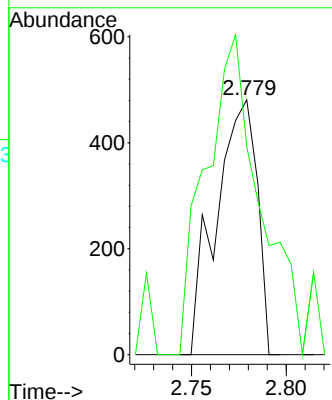
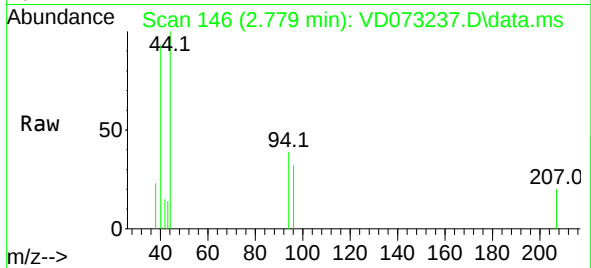




#5
Bromomethane
Concen: Below Cal
RT: 2.779 min Scan# 144
Delta R.T. 0.011 min
Lab File: VD073237.D
Acq: 21 May 2022 18:52

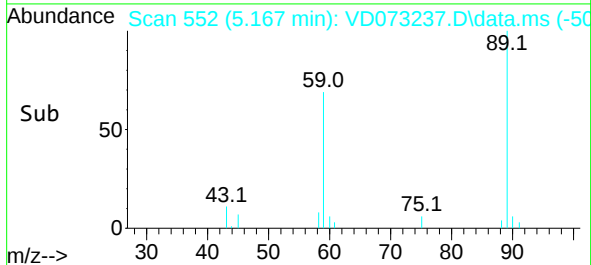
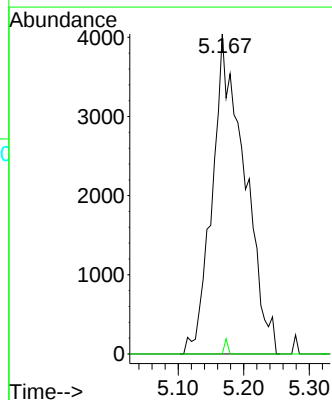
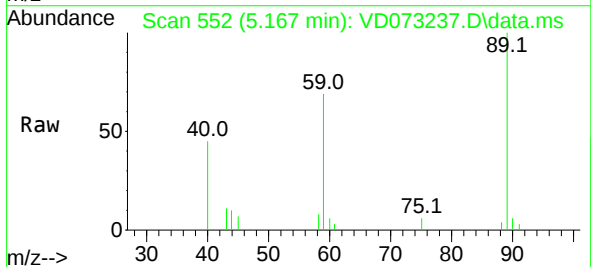
Instrument :
MSVOA_D
ClientSampleId :
P034-SS001-1218-01

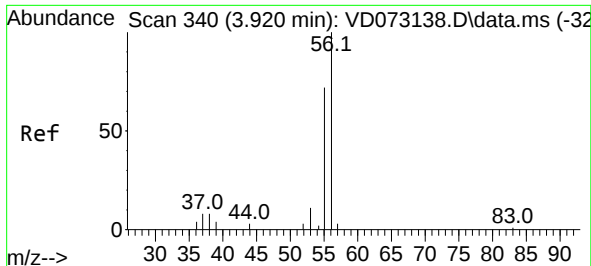
Tgt Ion: 94 Resp: 726
Ion Ratio Lower Upper
94 100
96 81.7 77.6 116.4



#11
Tert butyl alcohol
Concen: 29.504 ug/l
RT: 5.167 min Scan# 552
Delta R.T. -0.042 min
Lab File: VD073237.D
Acq: 21 May 2022 18:52

Tgt Ion: 59 Resp: 13836
Ion Ratio Lower Upper
59 100
57 0.5 7.8 11.6#

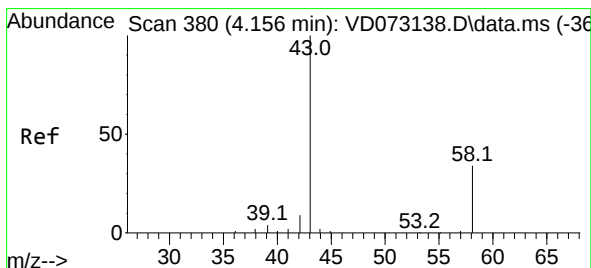
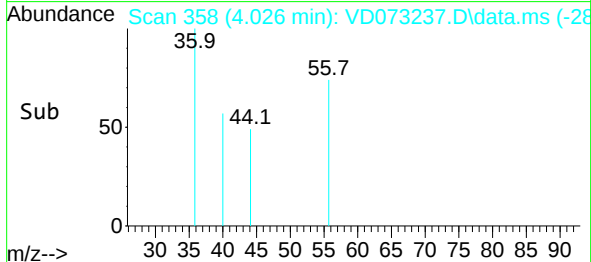
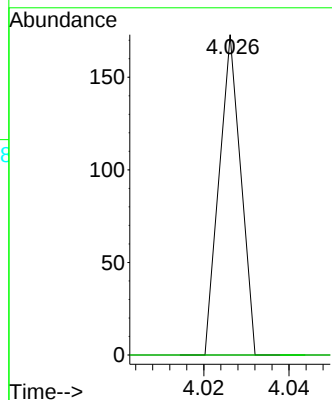
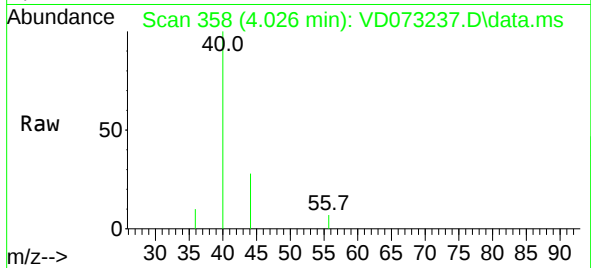




#13
Acrolein
Concen: Below Cal
RT: 4.026 min Scan# 31
Delta R.T. 0.106 min
Lab File: VD073237.D
Acq: 21 May 2022 18:52

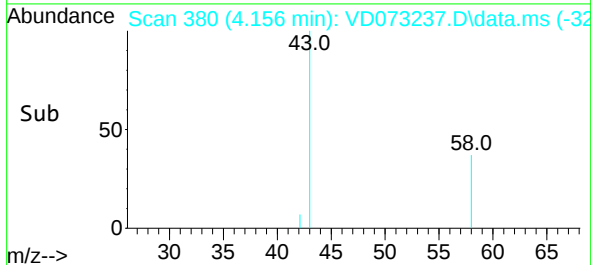
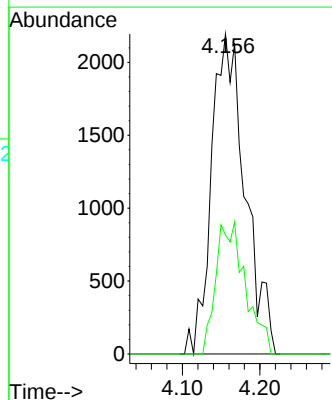
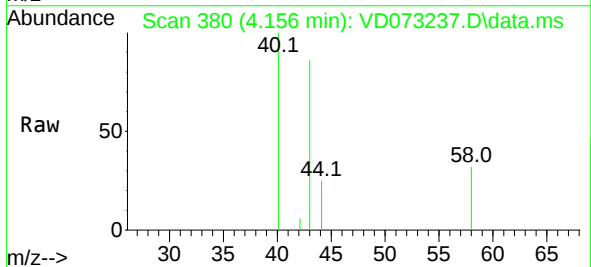
Instrument :
MSVOA_D
ClientSampleId :
P034-SS001-1218-01

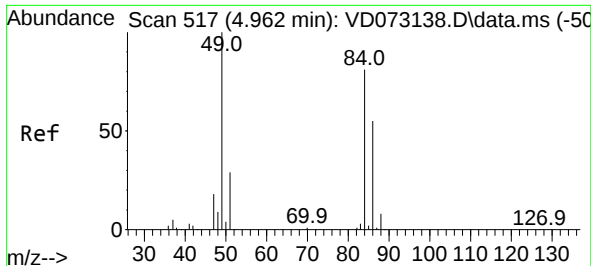
Tgt Ion: 56 Resp: 61
Ion Ratio Lower Upper
56 100
55 0.0 57.1 85.7#



#16
Acetone
Concen: 12.677 ug/l
RT: 4.156 min Scan# 380
Delta R.T. -0.000 min
Lab File: VD073237.D
Acq: 21 May 2022 18:52

Tgt Ion: 43 Resp: 6637
Ion Ratio Lower Upper
43 100
58 37.1 22.1 33.1#

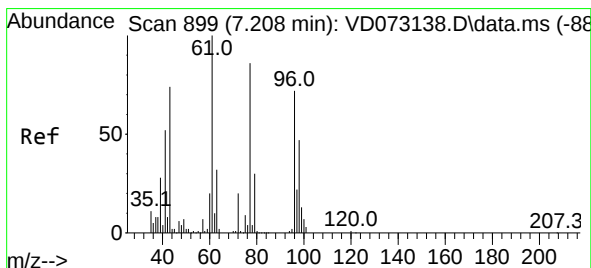
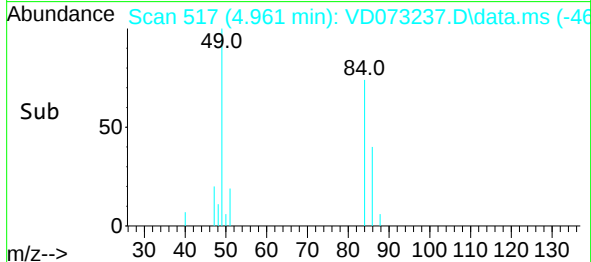
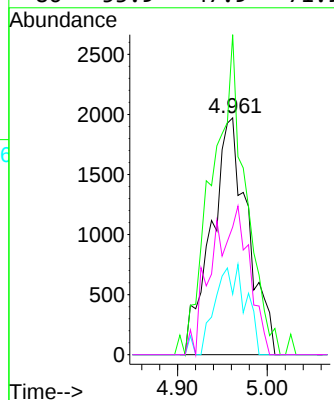
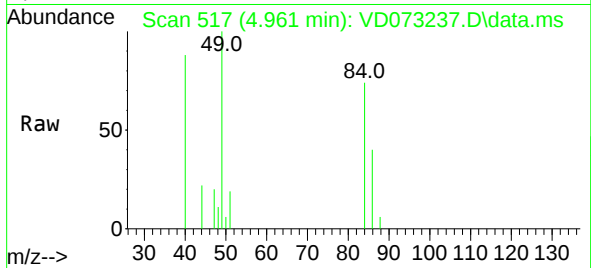




#20
Methylene Chloride
Concen: Below Cal
RT: 4.961 min Scan# 517
Delta R.T. -0.001 min
Lab File: VD073237.D
Acq: 21 May 2022 18:52

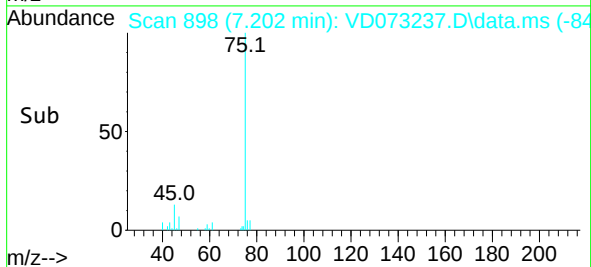
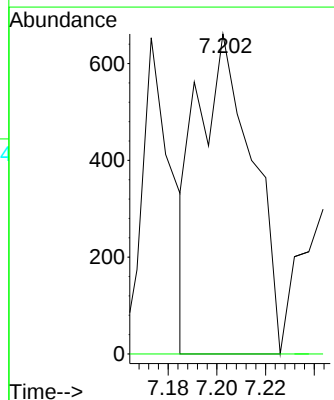
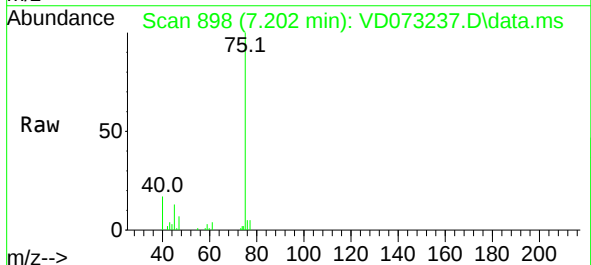
Instrument :
MSVOA_D
ClientSampleId :
P034-SS001-1218-01

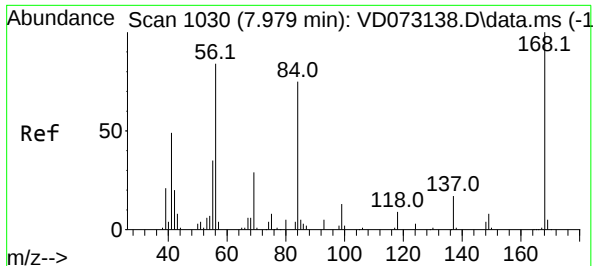
Tgt Ion:	84	Resp:	5588
Ion	Ratio	Lower	Upper
84	100		
49	135.2	112.8	169.2
51	25.6	32.6	48.8#
86	53.9	47.9	71.9



#25
2-Butanone
Concen: 1.342 ug/l
RT: 7.202 min Scan# 898
Delta R.T. -0.006 min
Lab File: VD073237.D
Acq: 21 May 2022 18:52

Tgt Ion:	43	Resp:	1028
Ion	Ratio	Lower	Upper
43	100		
72	0.0	18.6	27.8#





#31

Cyclohexane

Concen: 1.211 ug/l

RT: 7.973 min Scan# 1029

Delta R.T. -0.006 min

Lab File: VD073237.D

Acq: 21 May 2022 18:52

Instrument :

MSVOA_D

ClientSampleId :

P034-SS001-1218-01

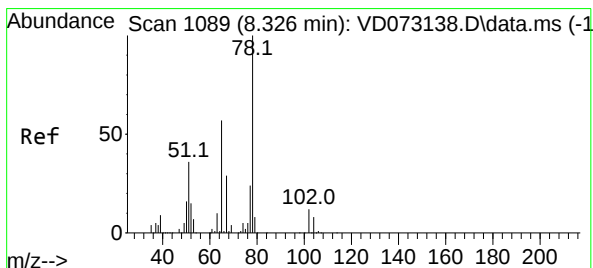
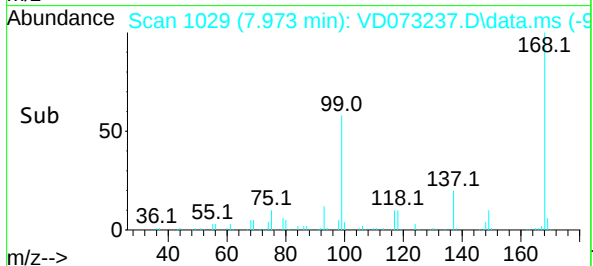
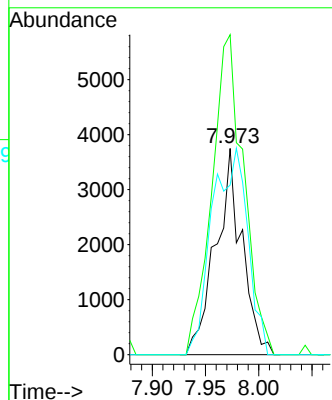
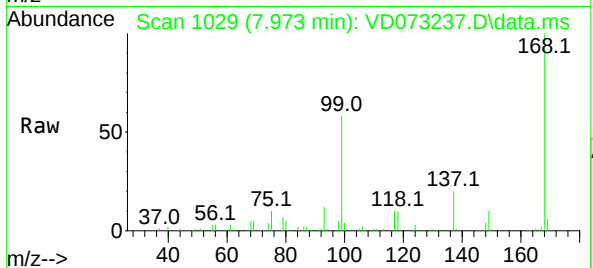
Tgt Ion: 56 Resp: 6395

Ion Ratio Lower Upper

56 100

69 155.2 25.4 38.2#

84 82.3 63.0 94.4



#33

1,2-Dichloroethane-d4

Concen: 53.235 ug/l

RT: 8.320 min Scan# 1088

Delta R.T. -0.006 min

Lab File: VD073237.D

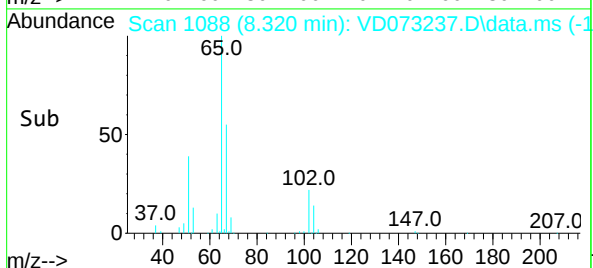
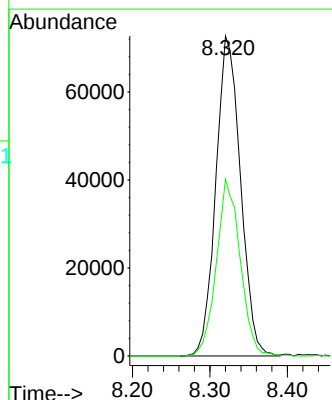
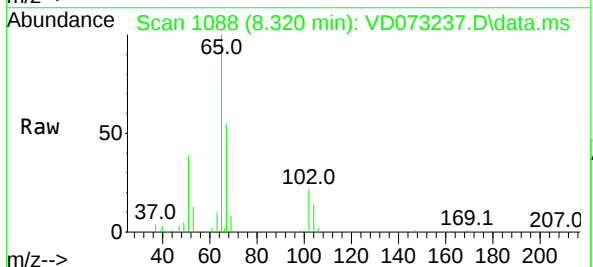
Acq: 21 May 2022 18:52

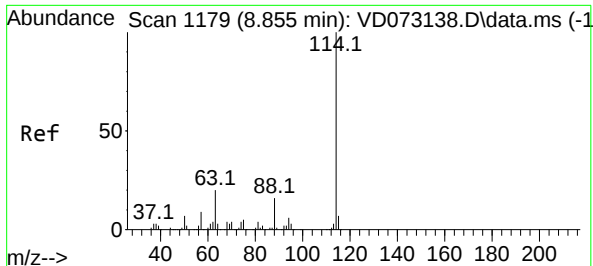
Tgt Ion: 65 Resp: 160908

Ion Ratio Lower Upper

65 100

67 53.5 0.0 101.4





#34

1,4-Difluorobenzene

Concen: 50.000 ug/l

RT: 8.861 min Scan# 1179

Delta R.T. 0.006 min

Lab File: VD073237.D

Acq: 21 May 2022 18:52

Instrument :

MSVOA_D

ClientSampleId :

P034-SS001-1218-01

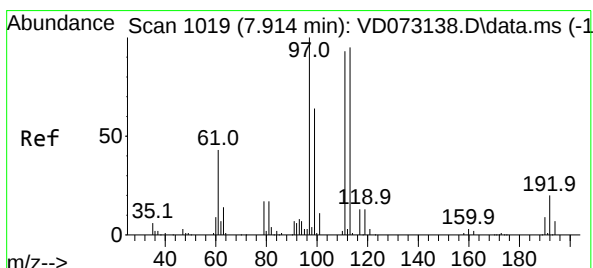
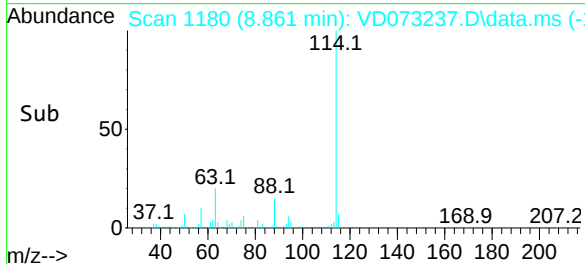
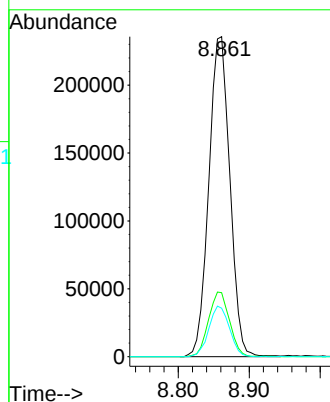
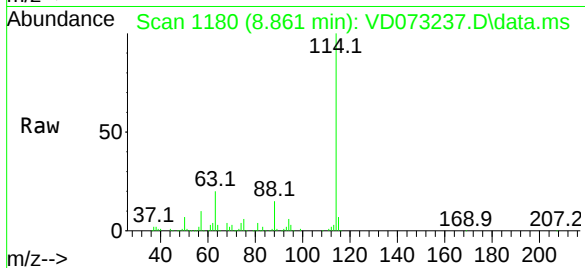
Tgt Ion:114 Resp: 484956

Ion Ratio Lower Upper

114 100

63 20.0 0.0 46.6

88 15.2 0.0 33.2



#35

Dibromofluoromethane

Concen: 53.110 ug/l

RT: 7.908 min Scan# 1018

Delta R.T. -0.006 min

Lab File: VD073237.D

Acq: 21 May 2022 18:52

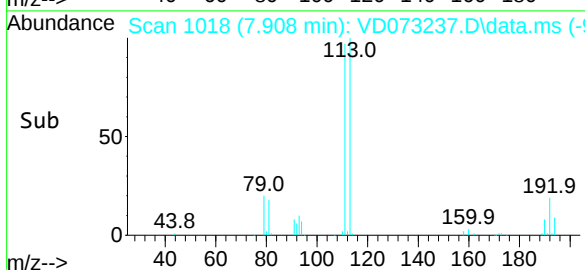
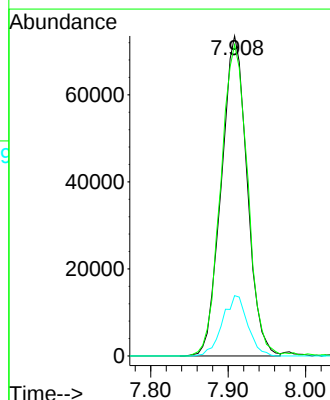
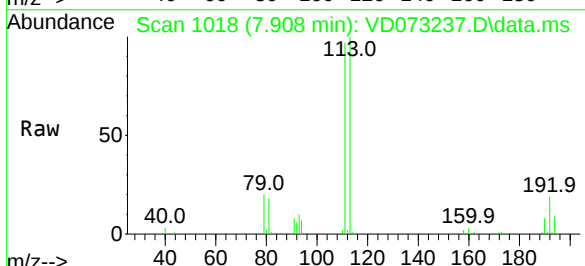
Tgt Ion:113 Resp: 169956

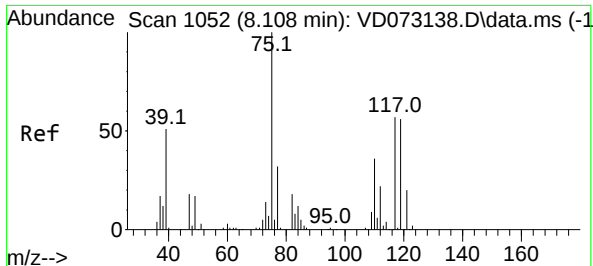
Ion Ratio Lower Upper

113 100

111 102.0 83.8 125.6

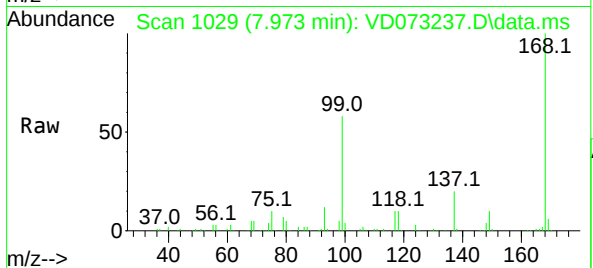
192 18.4 14.6 21.8



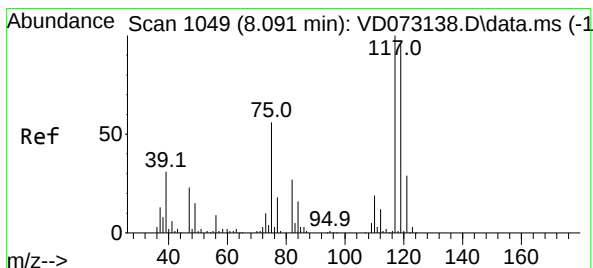
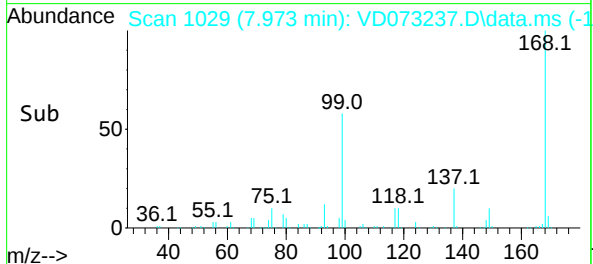
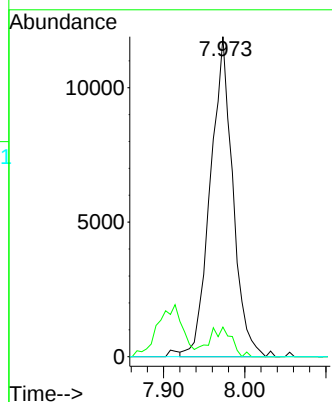


#36
 1,1-Dichloropropene
 Concen: 4.749 ug/l
 RT: 7.973 min Scan# 1029
 Delta R.T. -0.135 min
 Lab File: VD073237.D
 Acq: 21 May 2022 18:52

Instrument :
 MSVOA_D
 ClientSampleId :
 P034-SS001-1218-01

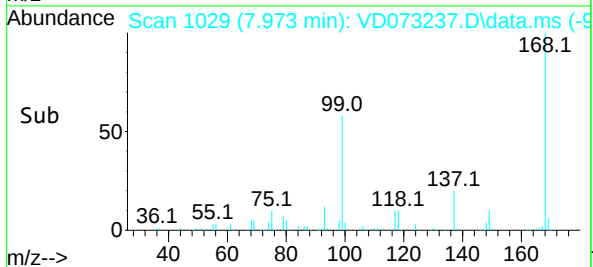
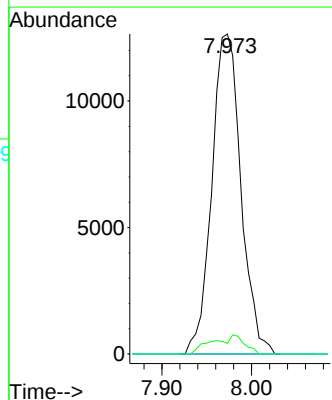
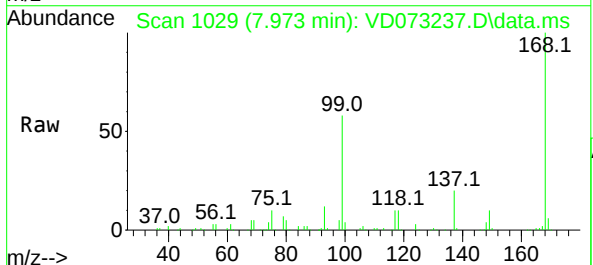


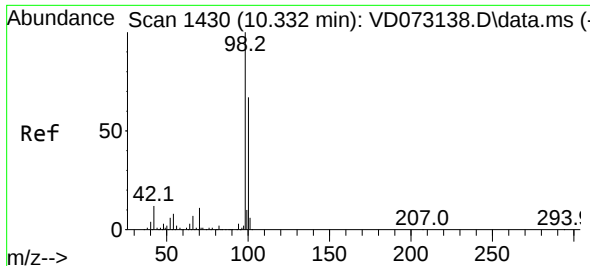
Tgt Ion: 75 Resp: 22858
 Ion Ratio Lower Upper
 75 100
 110 8.8 16.4 49.1#
 77 0.0 24.2 36.2#



#38
 Carbon Tetrachloride
 Concen: 5.840 ug/l
 RT: 7.973 min Scan# 1029
 Delta R.T. -0.118 min
 Lab File: VD073237.D
 Acq: 21 May 2022 18:52

Tgt Ion: 117 Resp: 28492
 Ion Ratio Lower Upper
 117 100
 119 3.3 75.8 113.6#
 121 0.0 24.5 36.7#

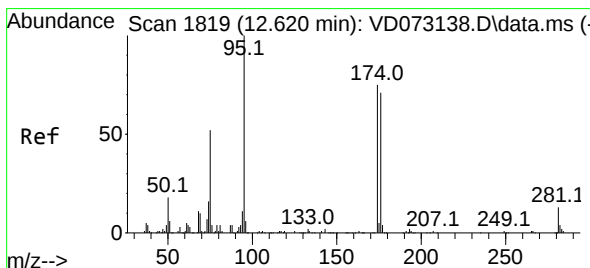
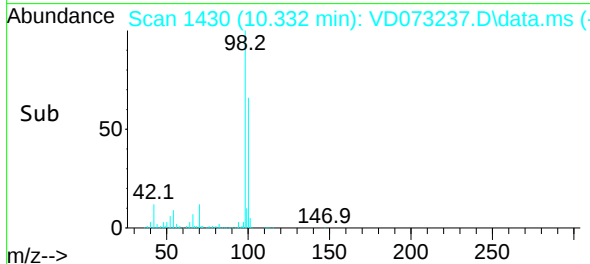
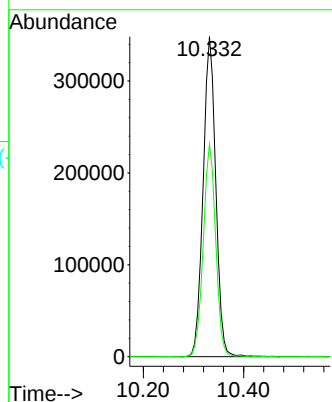
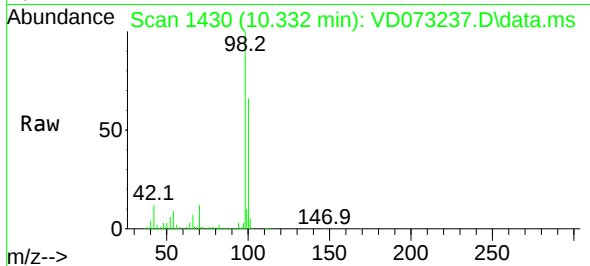




#50
Toluene-d8
Concen: 51.740 ug/l
RT: 10.332 min Scan# 1430
Delta R.T. -0.000 min
Lab File: VD073237.D
Acq: 21 May 2022 18:52

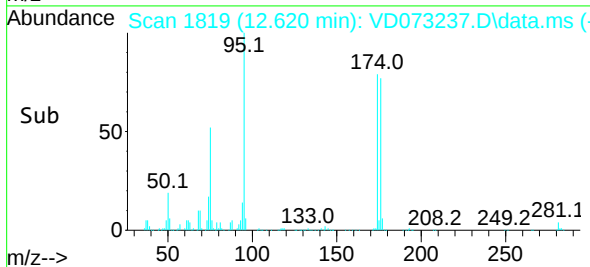
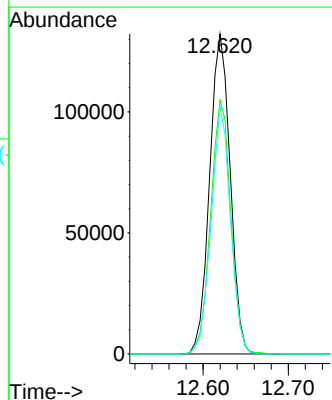
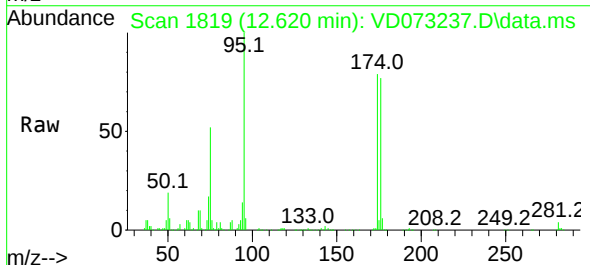
Instrument :
MSVOA_D
ClientSampleId :
P034-SS001-1218-01

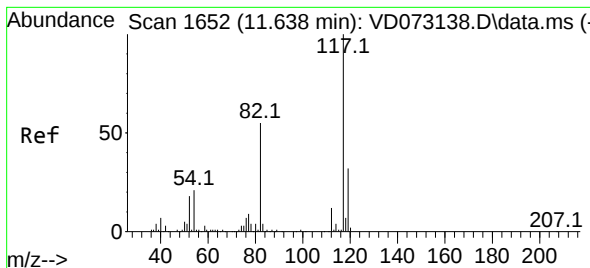
Tgt Ion: 98 Resp: 610334
Ion Ratio Lower Upper
98 100
100 65.7 52.4 78.6



#62
4-Bromofluorobenzene
Concen: 53.410 ug/l
RT: 12.620 min Scan# 1819
Delta R.T. -0.000 min
Lab File: VD073237.D
Acq: 21 May 2022 18:52

Tgt Ion: 95 Resp: 221105
Ion Ratio Lower Upper
95 100
174 77.9 0.0 152.8
176 73.5 0.0 145.4





#63

Chlorobenzene-d5

Concen: 50.000 ug/l

RT: 11.638 min Scan# 1

Delta R.T. -0.000 min

Lab File: VD073237.D

Acq: 21 May 2022 18:52

Instrument :

MSVOA_D

ClientSampleId :

P034-SS001-1218-01

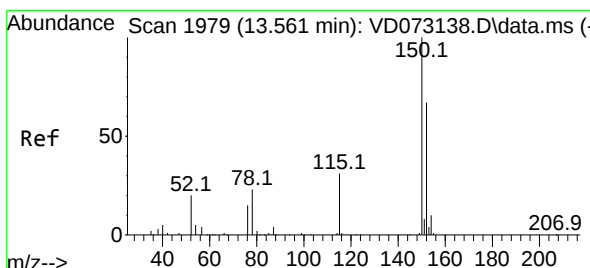
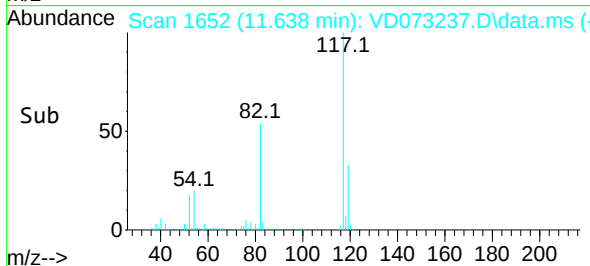
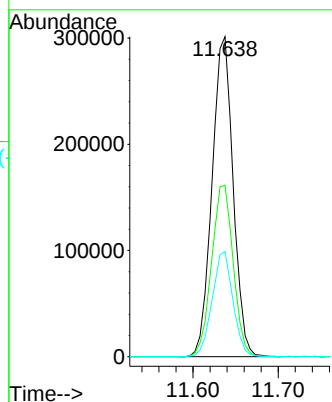
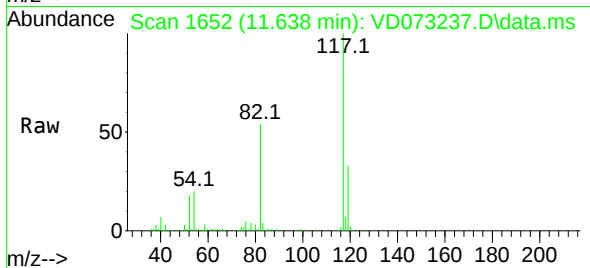
Tgt Ion:117 Resp: 517388

Ion Ratio Lower Upper

117 100

82 53.6 45.3 67.9

119 32.9 26.6 40.0



#72

1,4-Dichlorobenzene-d4

Concen: 50.000 ug/l

RT: 13.561 min Scan# 1979

Delta R.T. -0.000 min

Lab File: VD073237.D

Acq: 21 May 2022 18:52

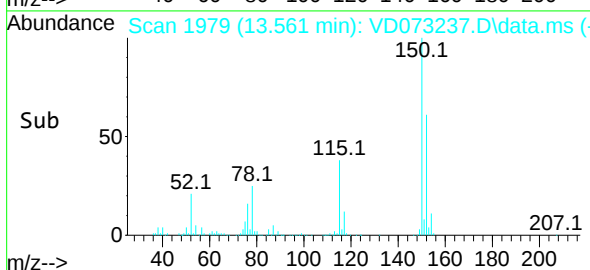
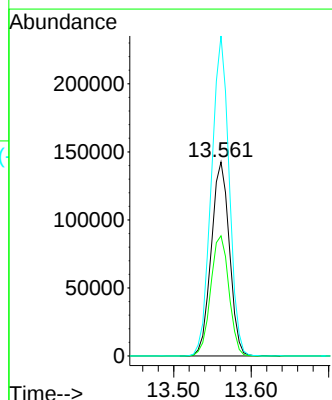
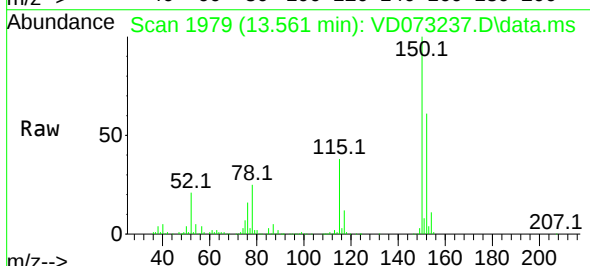
Tgt Ion:152 Resp: 232002

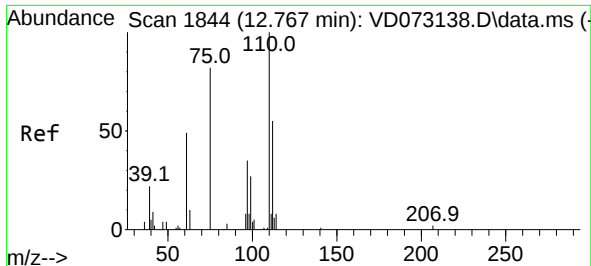
Ion Ratio Lower Upper

152 100

115 62.1 31.3 93.8

150 161.1 0.0 348.6

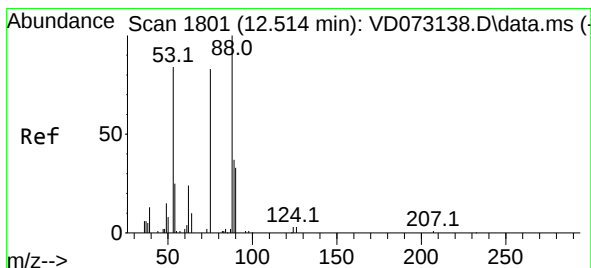
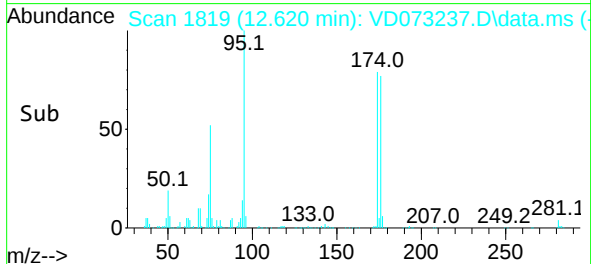
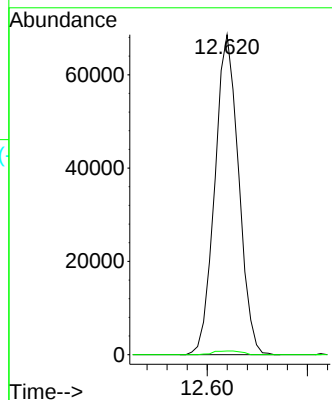
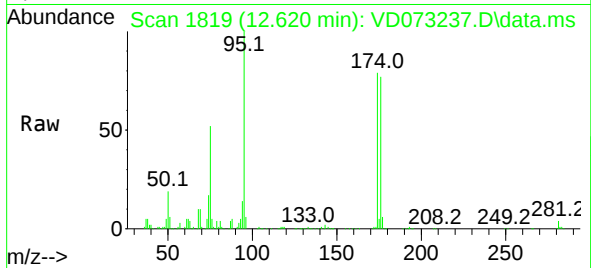




#76
1,2,3-Trichloropropane
Concen: 49.606 ug/l
RT: 12.620 min Scan# 1819
Delta R.T. -0.147 min
Lab File: VD073237.D
Acq: 21 May 2022 18:52

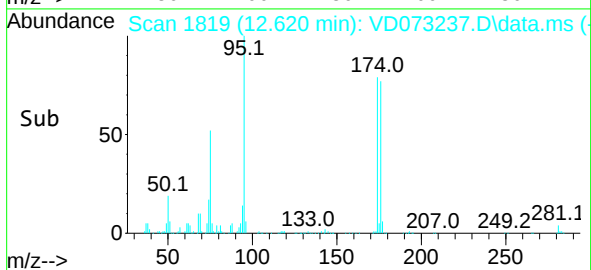
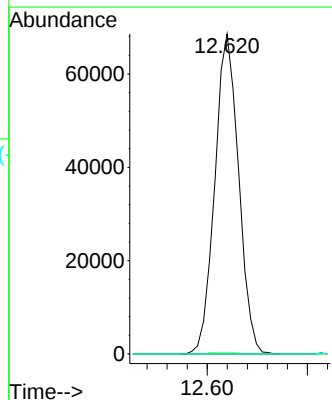
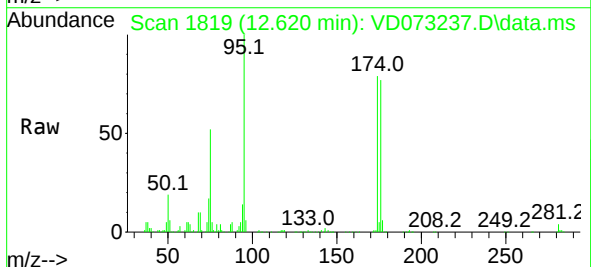
Instrument :
MSVOA_D
ClientSampleId :
P034-SS001-1218-01

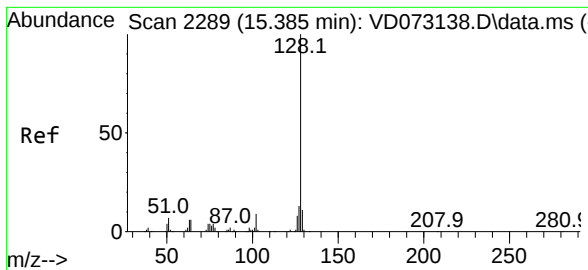
Tgt Ion: 75 Resp: 112920
Ion Ratio Lower Upper
75 100
77 1.4 0.0 0.0#



#81
trans-1,4-Dichloro-2-butene
Concen: 119.089 ug/l
RT: 12.620 min Scan# 1819
Delta R.T. 0.106 min
Lab File: VD073237.D
Acq: 21 May 2022 18:52

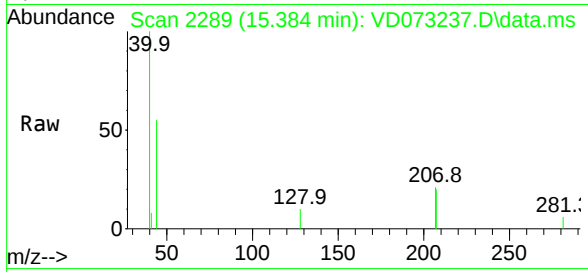
Tgt Ion: 75 Resp: 112920
Ion Ratio Lower Upper
75 100
53 0.4 86.5 129.7#
89 0.0 33.9 50.9#





#95
Naphthalene
Concen: 3.569 ug/l
RT: 15.384 min Scan# 21
Delta R.T. -0.001 min
Lab File: VD073237.D
Acq: 21 May 2022 18:52

Instrument :
MSVOA_D
ClientSampleId :
P034-SS001-1218-01



Tgt Ion:	128	Resp:	222
Ion	Ratio	Lower	Upper
128	100		
127	0.0	10.3	15.5#
129	0.0	8.4	12.6#

