

Data Path : Z:\voasrv\HPCHEM1\MSVOA_D\Data\VD060122\
 Data File : VD073454.D
 Acq On : 01 Jun 2022 18:14
 Operator : VA/SY
 Sample : N3109-07RE
 Misc : 4.59G/5.00ml/MSVOA_D/SOIL
 ALS Vial : 16 Sample Multiplier: 1

Instrument :
 MSVOA_D
 ClientSampleId :
 BB-11

Quant Time: Jun 02 08:52:28 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)

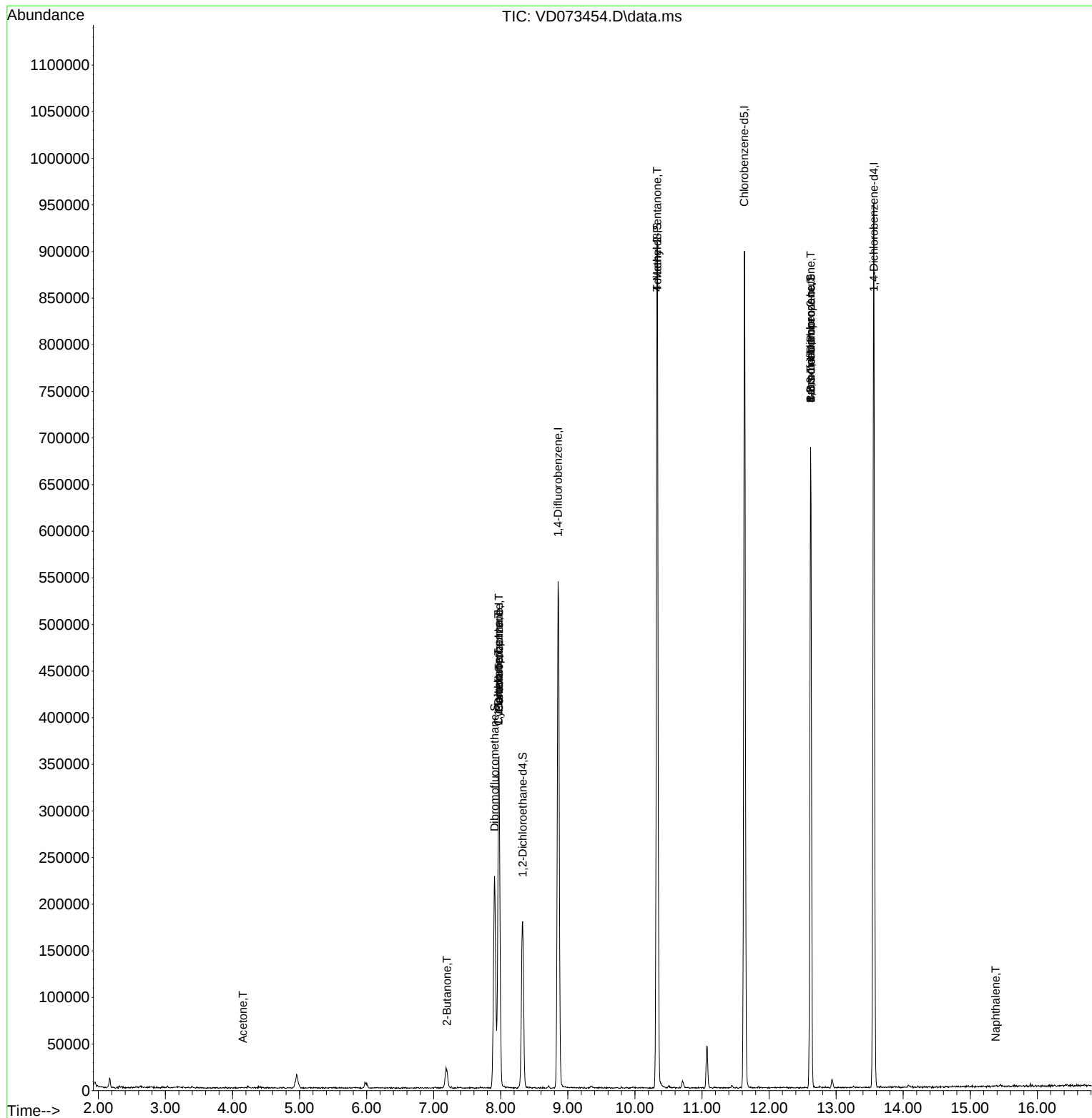
Internal Standards						
1) Pentafluorobenzene	7.973	168	251939	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	8.855	114	478761	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.631	117	529045	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.561	152	244800	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.326	65	142024	51.009	ug/l	0.00
Spiked Amount 50.000	Range 50 - 163		Recovery = 102.020%			
35) Dibromofluoromethane	7.908	113	164431	52.049	ug/l	0.00
Spiked Amount 50.000	Range 54 - 147		Recovery = 104.100%			
50) Toluene-d8	10.332	98	603702	51.840	ug/l	0.00
Spiked Amount 50.000	Range 49 - 140		Recovery = 103.680%			
62) 4-Bromofluorobenzene	12.620	95	229330	56.113	ug/l	0.00
Spiked Amount 50.000	Range 25 - 144		Recovery = 112.220%			
Target Compounds						
5) Bromomethane	2.779	94	514	Below Cal	#	77
16) Acetone	4.155	43	613	1.271	ug/l #	47
20) Methylene Chloride	4.955	84	10664	Below Cal	#	77
25) 2-Butanone	7.196	43	1147	1.626	ug/l #	52
31) Cyclohexane	7.967	56	5835	1.199	ug/l #	1
36) 1,1-Dichloropropene	7.967	75	20617	4.339	ug/l #	51
38) Carbon Tetrachloride	7.973	117	27213	5.650	ug/l #	16
51) 4-Methyl-2-Pentanone	10.332	43	3180	1.765	ug/l #	1
71) Bromoform	12.620	173	2181	1.053	ug/l #	1
76) 1,2,3-Trichloropropane	12.620	75	115694	48.167	ug/l #	100
81) trans-1,4-Dichloro-2-b...	12.620	75	115694	115.635	ug/l #	7
95) Naphthalene	15.378	128	122	3.556	ug/l #	70

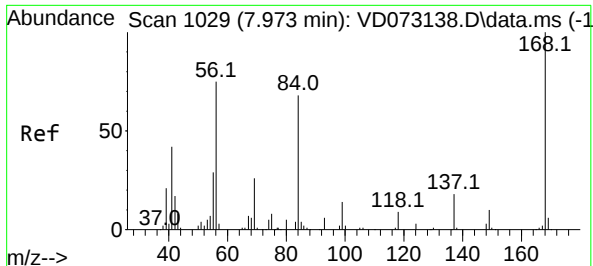
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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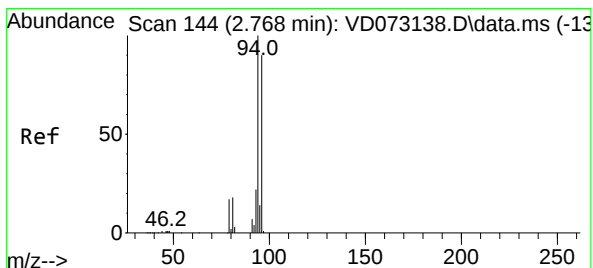
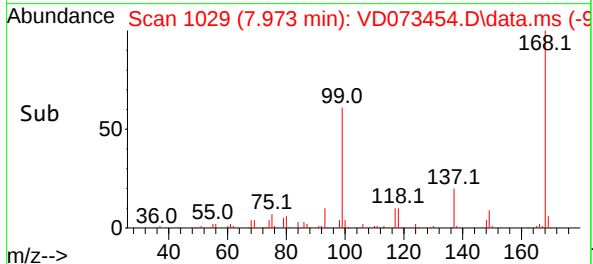
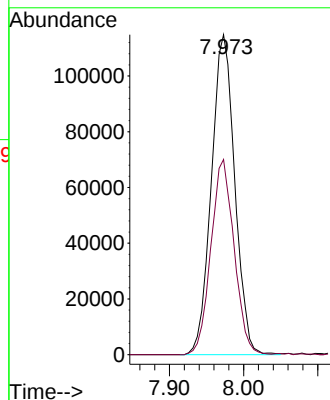
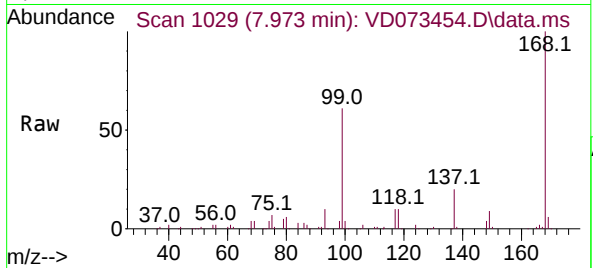




#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 7.973 min Scan# 1029
Delta R.T. -0.000 min
Lab File: VD073454.D
Acq: 01 Jun 2022 18:14

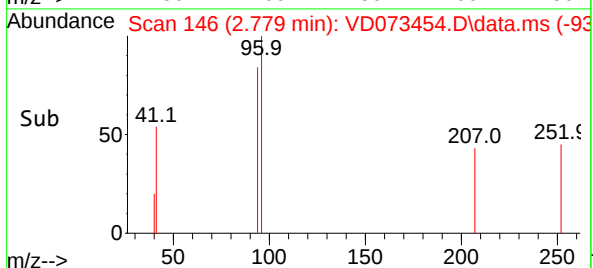
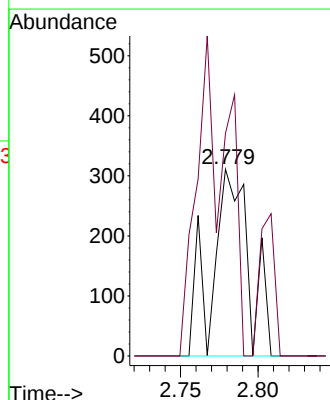
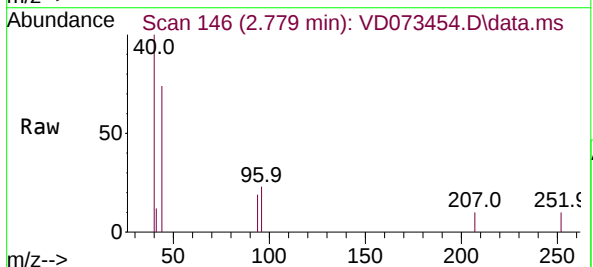
Instrument :
MSVOA_D
ClientSampleId :
BB-11

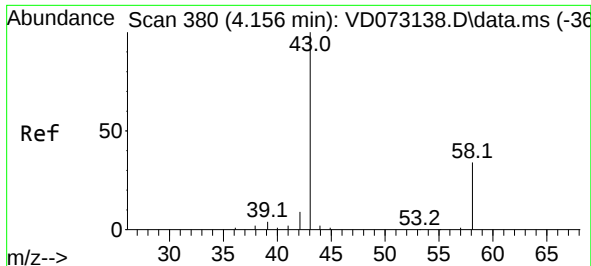
Tgt Ion:168 Resp: 251939
Ion Ratio Lower Upper
168 100
99 61.0 49.8 74.6



#5
Bromomethane
Concen: Below Cal
RT: 2.779 min Scan# 146
Delta R.T. 0.011 min
Lab File: VD073454.D
Acq: 01 Jun 2022 18:14

Tgt Ion: 94 Resp: 514
Ion Ratio Lower Upper
94 100
96 119.3 77.6 116.4#

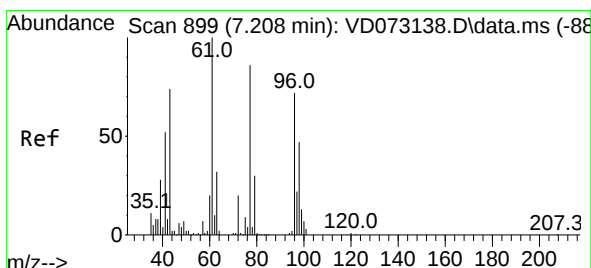
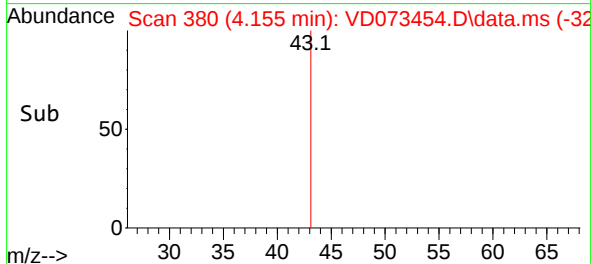
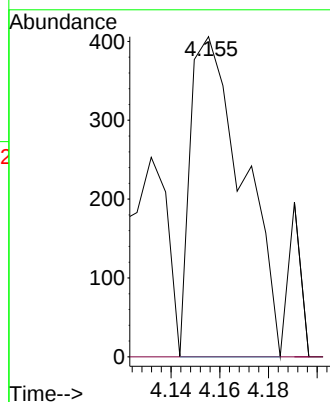
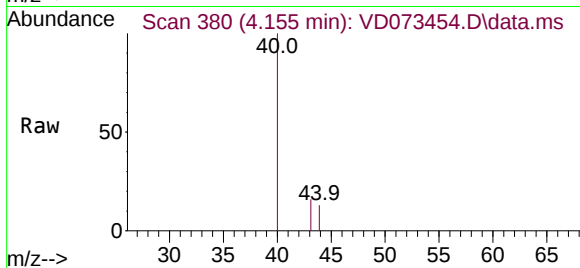




#16
Acetone
Concen: 1.271 ug/l
RT: 4.155 min Scan# 31
Delta R.T. -0.001 min
Lab File: VD073454.D
Acq: 01 Jun 2022 18:14

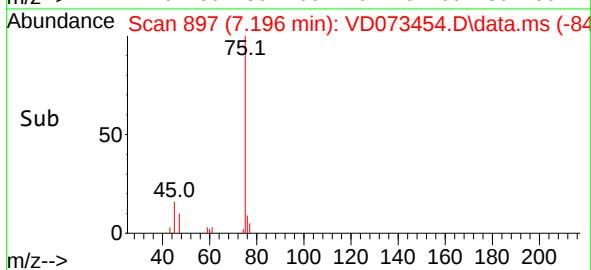
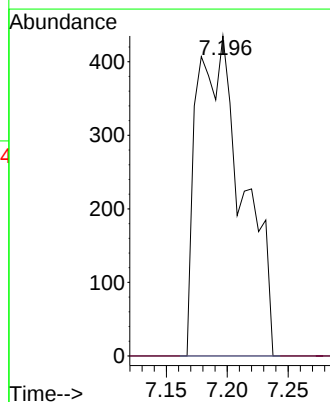
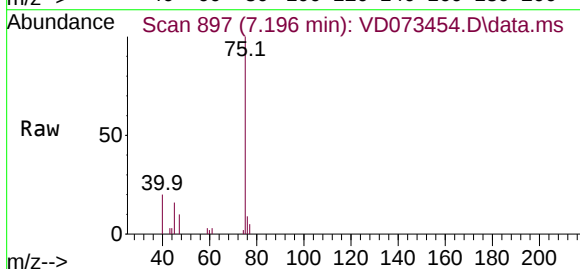
Instrument :
MSVOA_D
ClientSampleId :
BB-11

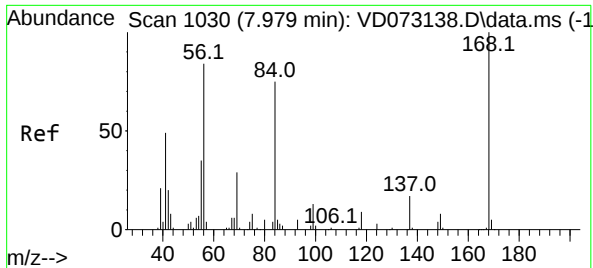
Tgt Ion: 43 Resp: 613
Ion Ratio Lower Upper
43 100
58 0.0 22.1 33.1#



#25
2-Butanone
Concen: 1.626 ug/l
RT: 7.196 min Scan# 897
Delta R.T. -0.012 min
Lab File: VD073454.D
Acq: 01 Jun 2022 18:14

Tgt Ion: 43 Resp: 1147
Ion Ratio Lower Upper
43 100
72 0.0 18.6 27.8#

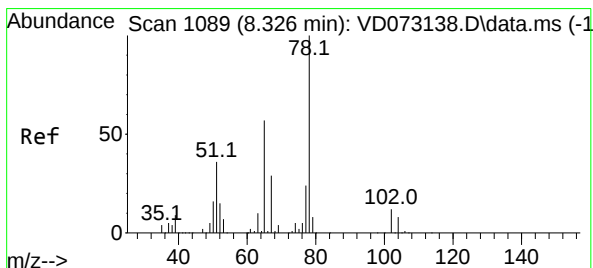
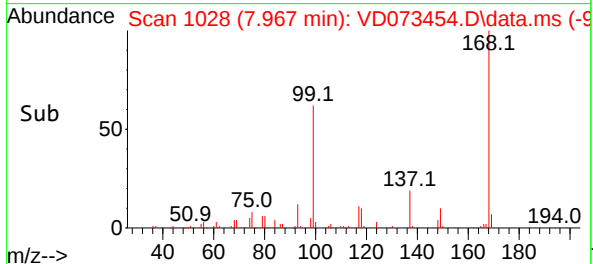
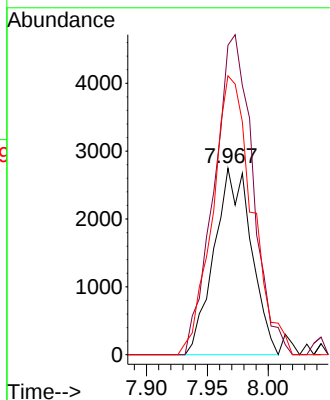
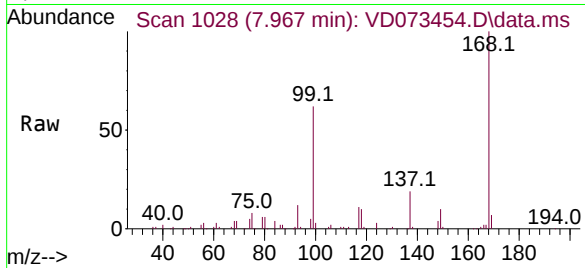




#31
Cyclohexane
Concen: 1.199 ug/l
RT: 7.967 min Scan# 1028
Delta R.T. -0.012 min
Lab File: VD073454.D
Acq: 01 Jun 2022 18:14

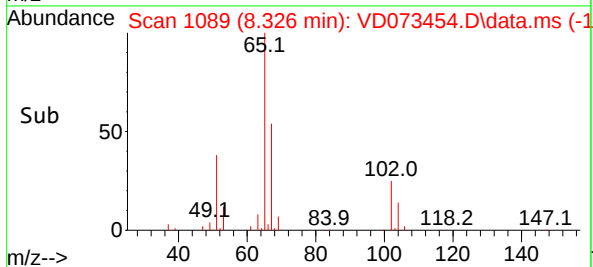
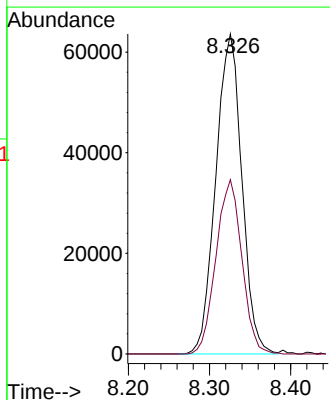
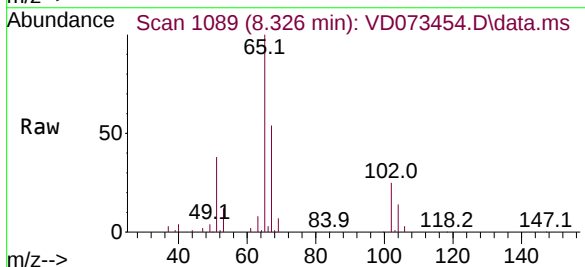
Instrument :
MSVOA_D
ClientSampleId :
BB-11

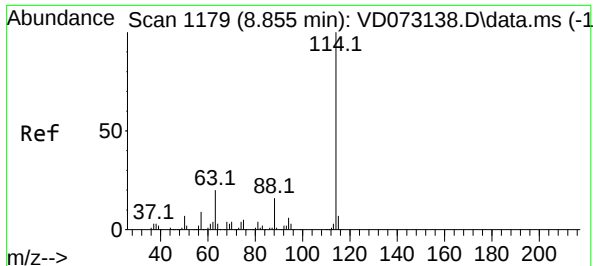
Tgt Ion: 56 Resp: 5835
Ion Ratio Lower Upper
56 100
69 166.0 25.4 38.2#
84 149.7 63.0 94.4#



#33
1,2-Dichloroethane-d4
Concen: 51.009 ug/l
RT: 8.326 min Scan# 1089
Delta R.T. -0.000 min
Lab File: VD073454.D
Acq: 01 Jun 2022 18:14

Tgt Ion: 65 Resp: 142024
Ion Ratio Lower Upper
65 100
67 54.0 0.0 101.4





#34

1,4-Difluorobenzene

Concen: 50.000 ug/l

RT: 8.855 min Scan# 1179

Delta R.T. 0.000 min

Lab File: VD073454.D

Acq: 01 Jun 2022 18:14

Instrument :

MSVOA_D

ClientSampleId :

BB-11

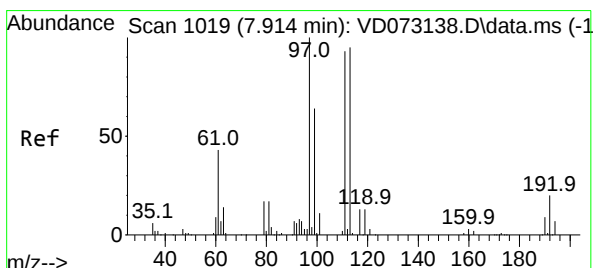
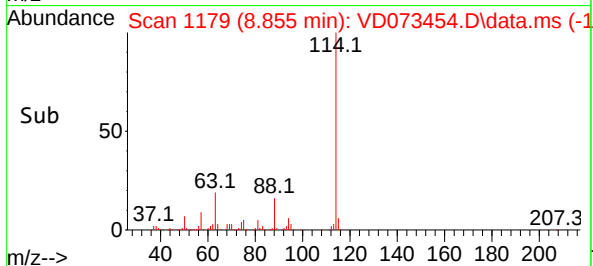
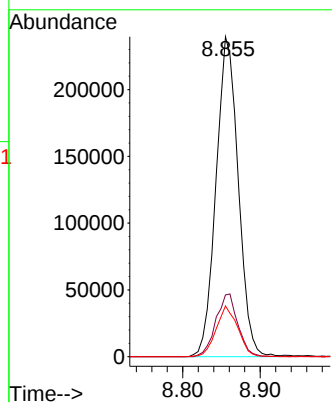
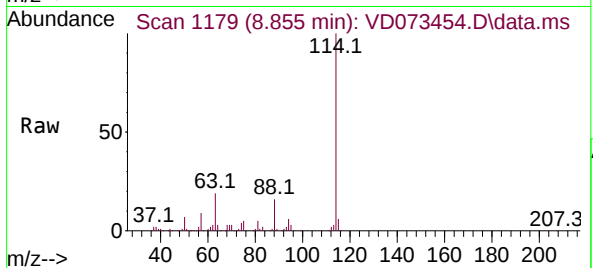
Tgt Ion:114 Resp: 478761

Ion Ratio Lower Upper

114 100

63 19.3 0.0 46.6

88 15.9 0.0 33.2



#35

Dibromofluoromethane

Concen: 52.049 ug/l

RT: 7.908 min Scan# 1018

Delta R.T. -0.006 min

Lab File: VD073454.D

Acq: 01 Jun 2022 18:14

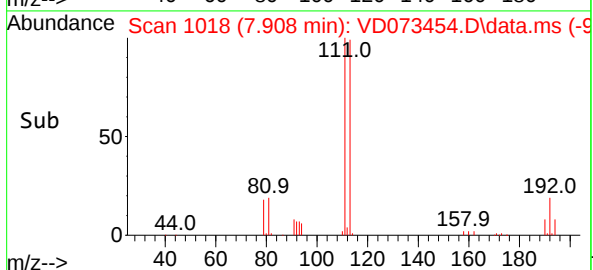
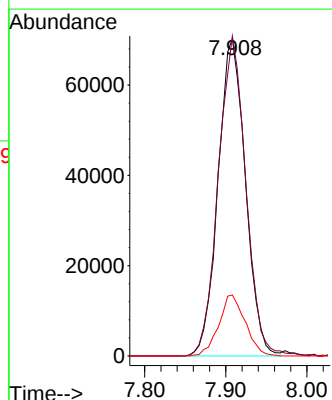
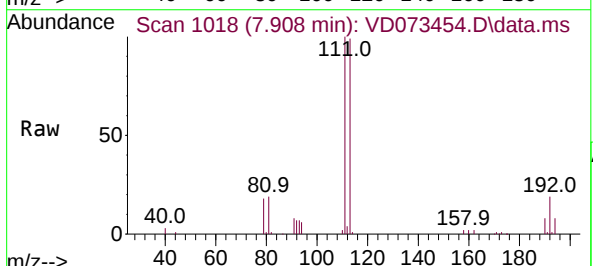
Tgt Ion:113 Resp: 164431

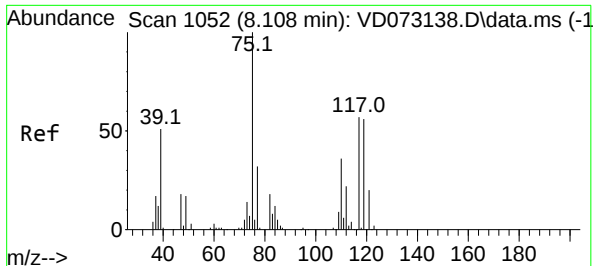
Ion Ratio Lower Upper

113 100

111 101.7 83.8 125.6

192 18.6 14.6 21.8





#36

1,1-Dichloropropene

Concen: 4.339 ug/l

RT: 7.967 min Scan# 1028

Delta R.T. -0.141 min

Lab File: VD073454.D

Acq: 01 Jun 2022 18:14

Instrument :

MSVOA_D

ClientSampleId :

BB-11

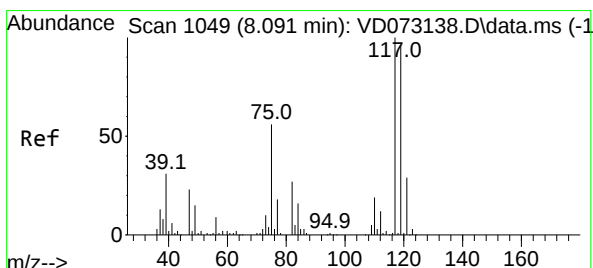
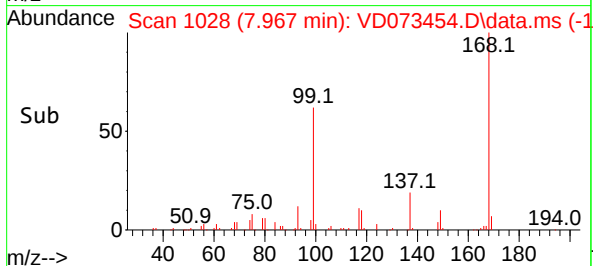
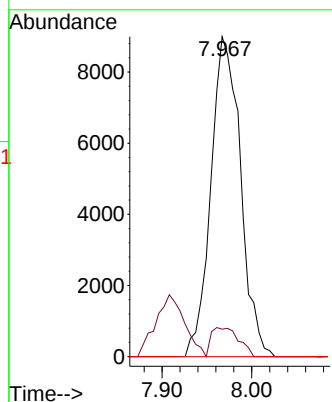
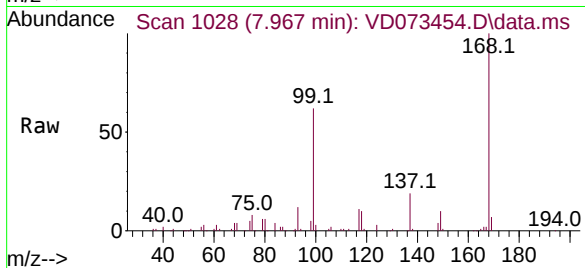
Tgt Ion: 75 Resp: 20617

Ion Ratio Lower Upper

75 100

110 8.4 16.4 49.1#

77 0.0 24.2 36.2#



#38

Carbon Tetrachloride

Concen: 5.650 ug/l

RT: 7.973 min Scan# 1029

Delta R.T. -0.118 min

Lab File: VD073454.D

Acq: 01 Jun 2022 18:14

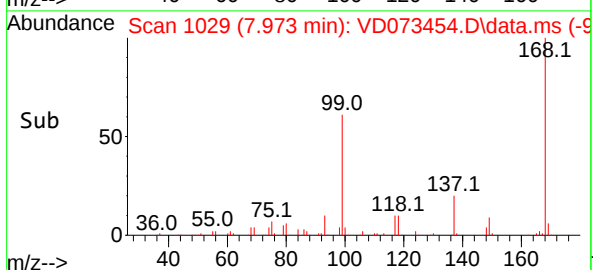
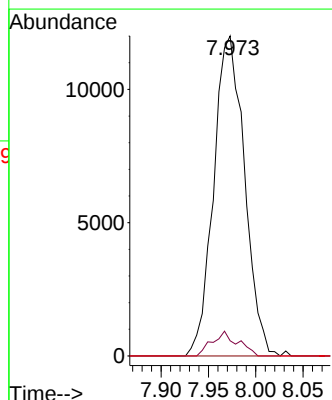
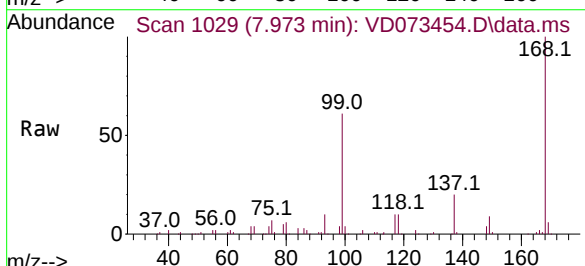
Tgt Ion: 117 Resp: 27213

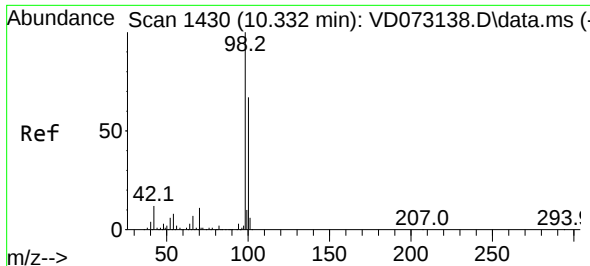
Ion Ratio Lower Upper

117 100

119 4.8 75.8 113.6#

121 0.0 24.5 36.7#

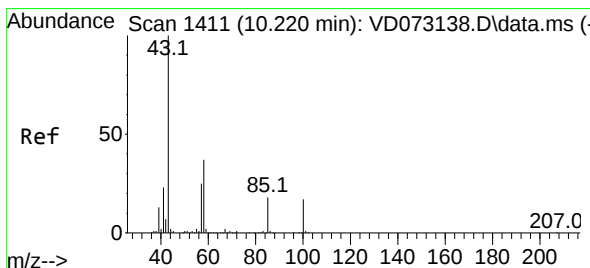
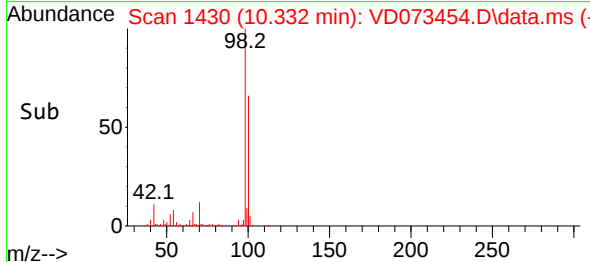
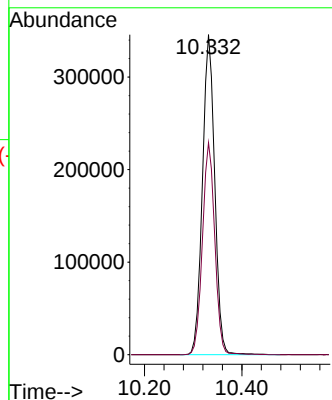
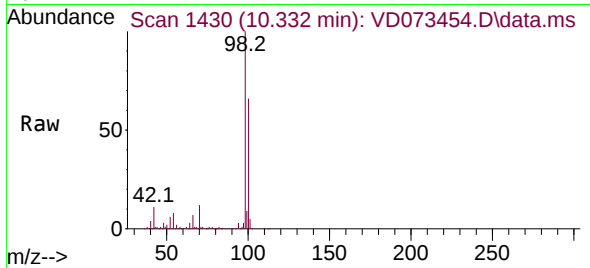




#50
Toluene-d8
Concen: 51.840 ug/l
RT: 10.332 min Scan# 1430
Delta R.T. -0.000 min
Lab File: VD073454.D
Acq: 01 Jun 2022 18:14

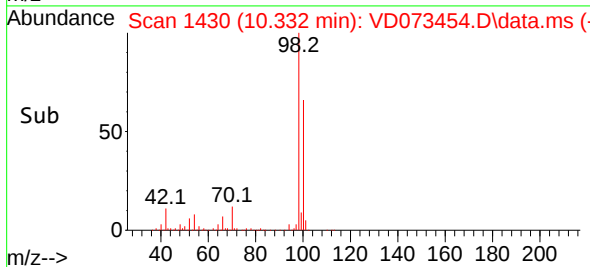
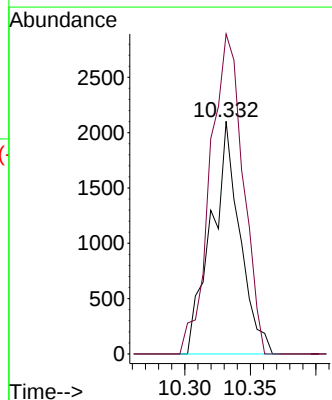
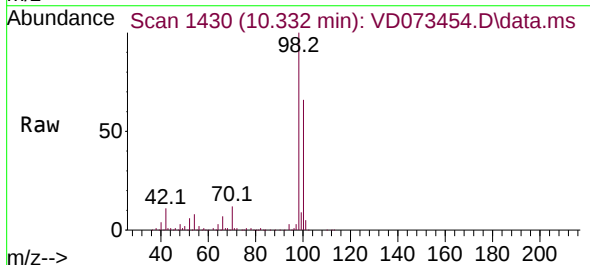
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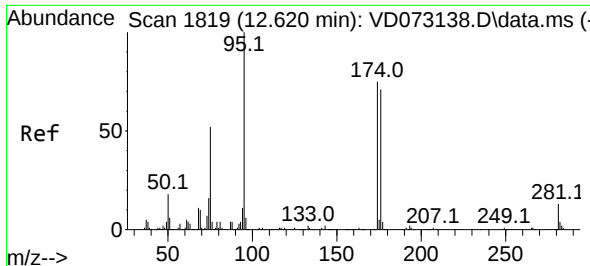
Tgt Ion: 98 Resp: 603702
Ion Ratio Lower Upper
98 100
100 66.6 52.4 78.6



#51
4-Methyl-2-Pentanone
Concen: 1.765 ug/l
RT: 10.332 min Scan# 1430
Delta R.T. 0.112 min
Lab File: VD073454.D
Acq: 01 Jun 2022 18:14

Tgt Ion: 43 Resp: 3180
Ion Ratio Lower Upper
43 100
58 158.3 28.6 43.0#

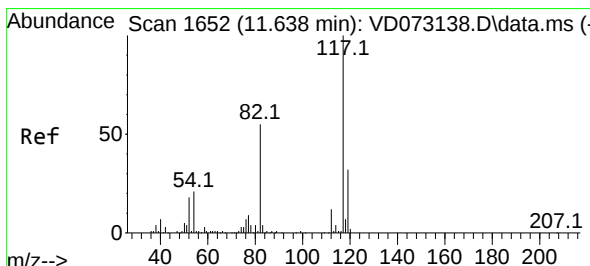
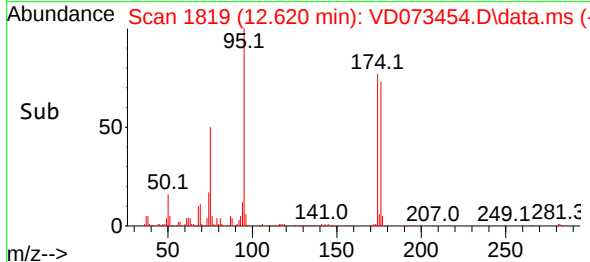
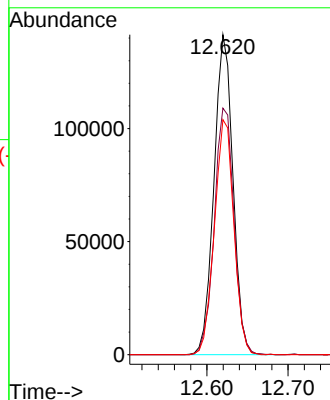
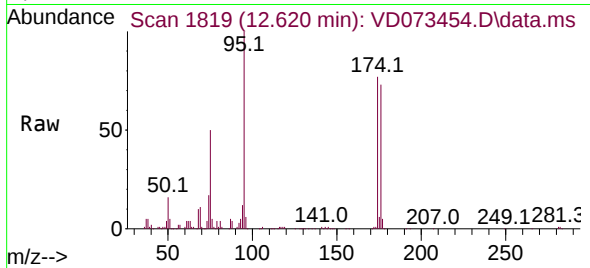




#62
4-Bromofluorobenzene
Concen: 56.113 ug/l
RT: 12.620 min Scan# 1819
Delta R.T. -0.000 min
Lab File: VD073454.D
Acq: 01 Jun 2022 18:14

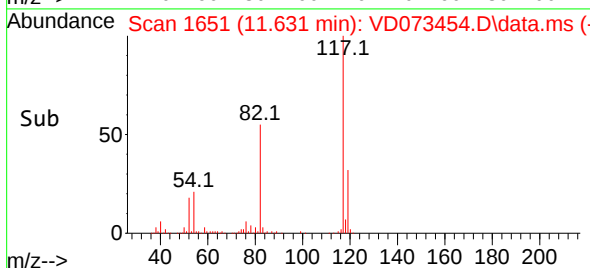
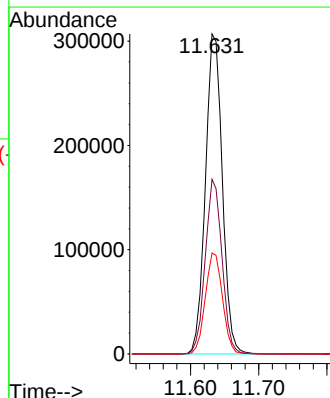
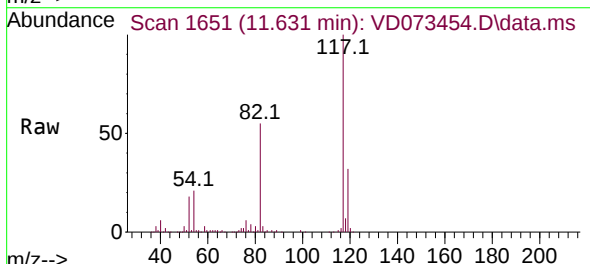
Instrument :
MSVOA_D
ClientSampleId :
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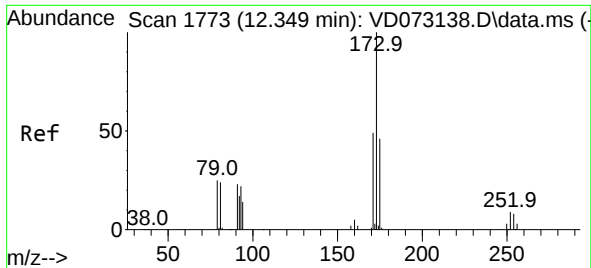
Tgt Ion: 95 Resp: 229330
Ion Ratio Lower Upper
95 100
174 80.1 0.0 152.8
176 75.5 0.0 145.4



#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.631 min Scan# 1651
Delta R.T. -0.007 min
Lab File: VD073454.D
Acq: 01 Jun 2022 18:14

Tgt Ion: 117 Resp: 529045
Ion Ratio Lower Upper
117 100
82 54.5 45.3 67.9
119 31.6 26.6 40.0

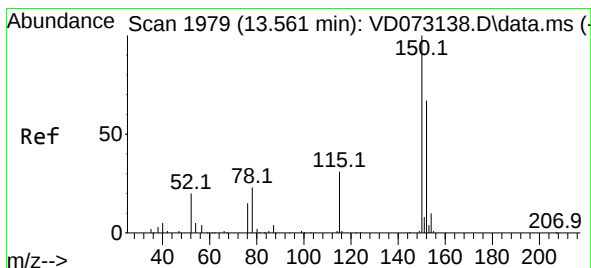
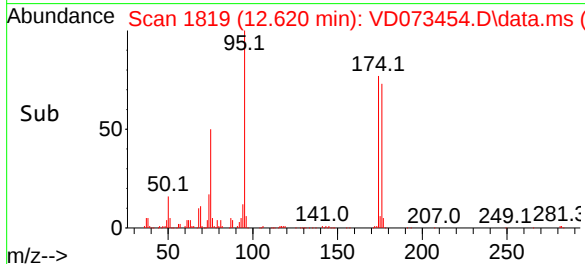
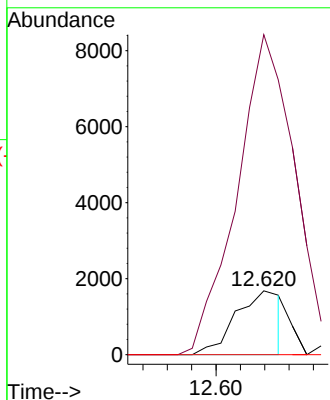
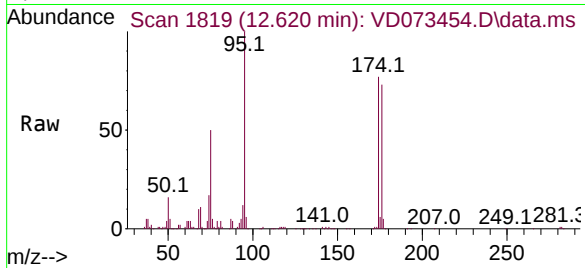




#71
Bromoform
Concen: 1.053 ug/l
RT: 12.620 min Scan# 1819
Delta R.T. 0.271 min
Lab File: VD073454.D
Acq: 01 Jun 2022 18:14

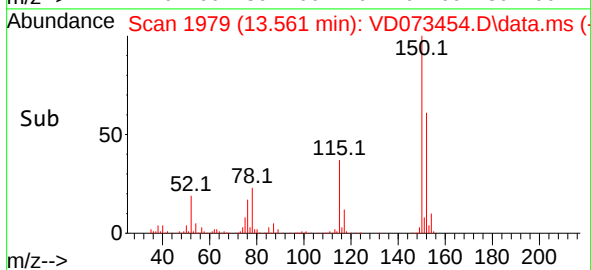
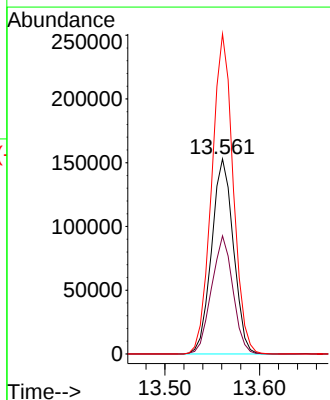
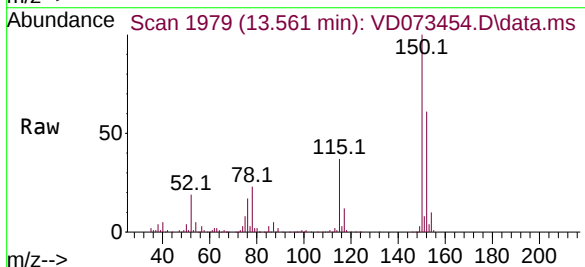
Instrument :
MSVOA_D
ClientSampleId :
BB-11

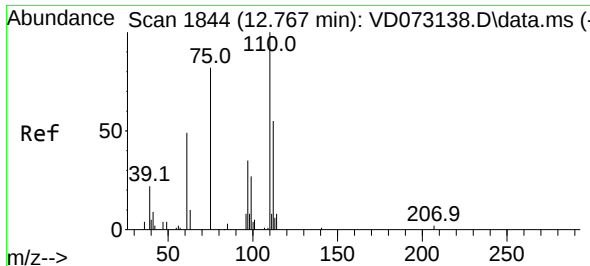
Tgt Ion:173 Resp: 2181
Ion Ratio Lower Upper
173 100
175 483.3 23.9 71.8#
254 0.0 0.0 0.0



#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 13.561 min Scan# 1979
Delta R.T. -0.000 min
Lab File: VD073454.D
Acq: 01 Jun 2022 18:14

Tgt Ion:152 Resp: 244800
Ion Ratio Lower Upper
152 100
115 59.2 31.3 93.8
150 161.1 0.0 348.6

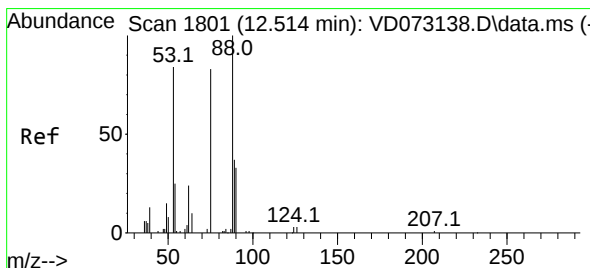
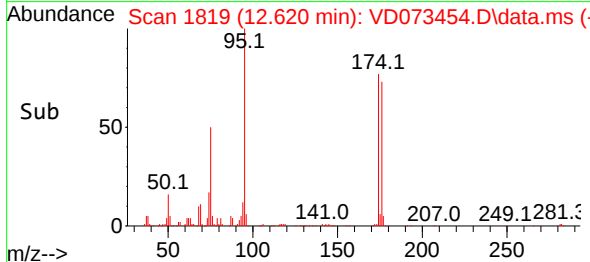
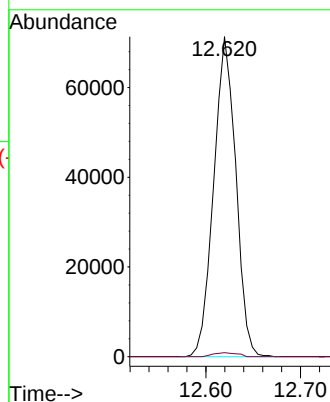
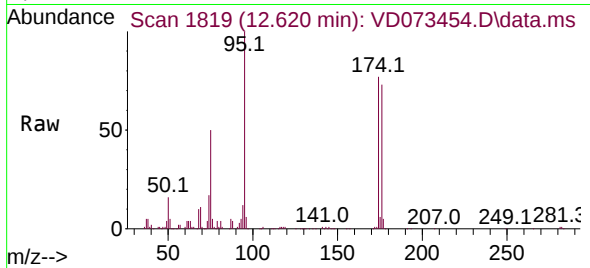




#76
1,2,3-Trichloropropane
Concen: 48.167 ug/l
RT: 12.620 min Scan# 1819
Delta R.T. -0.147 min
Lab File: VD073454.D
Acq: 01 Jun 2022 18:14

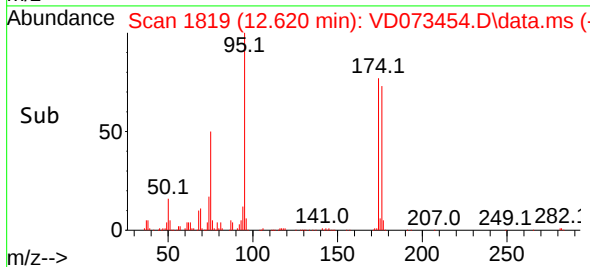
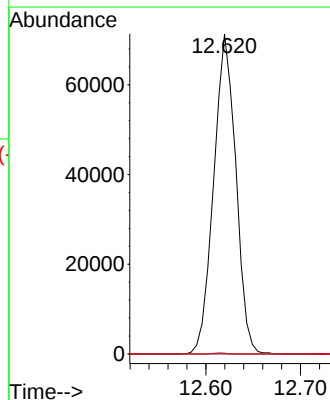
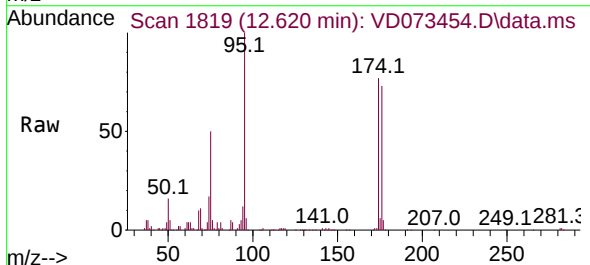
Instrument :
MSVOA_D
ClientSampleId :
BB-11

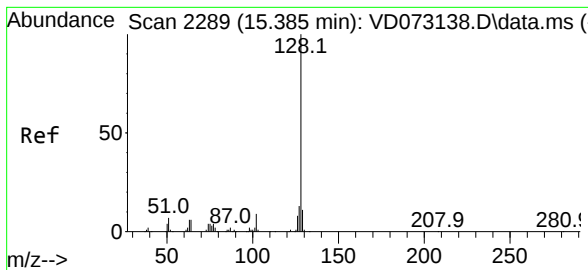
Tgt Ion: 75 Resp: 115694
Ion Ratio Lower Upper
75 100
77 1.4 0.0 0.0#



#81
trans-1,4-Dichloro-2-butene
Concen: 115.635 ug/l
RT: 12.620 min Scan# 1819
Delta R.T. 0.106 min
Lab File: VD073454.D
Acq: 01 Jun 2022 18:14

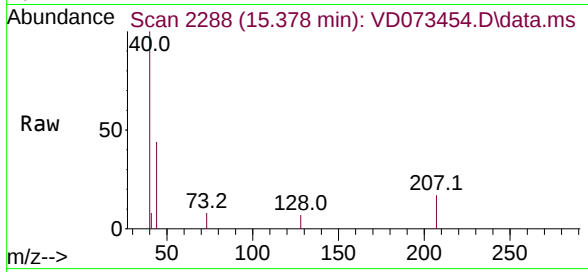
Tgt Ion: 75 Resp: 115694
Ion Ratio Lower Upper
75 100
53 0.2 86.5 129.7#
89 0.0 33.9 50.9#





#95
Naphthalene
Concen: 3.556 ug/l
RT: 15.378 min Scan# 21
Delta R.T. -0.007 min
Lab File: VD073454.D
Acq: 01 Jun 2022 18:14

Instrument :
MSVOA_D
ClientSampleId :
BB-11



Tgt Ion:	128	Resp:	122
Ion	Ratio	Lower	Upper
128	100		
127	0.0	10.3	15.5#
129	0.0	8.4	12.6#

