

Data Path : Z:\voasrv\HPCHEM1\MSVOA_D\Data\VD060122\
 Data File : VD073452.D
 Acq On : 01 Jun 2022 17:16
 Operator : VA/SY
 Sample : N3109-01RE
 Misc : 4.58G/5.00ml/MSVOA_D/SOIL
 ALS Vial : 14 Sample Multiplier: 1

Instrument :
 MSVOA_D
 ClientSampleId :
 BB-8

Quant Time: Jun 02 08:51:46 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)

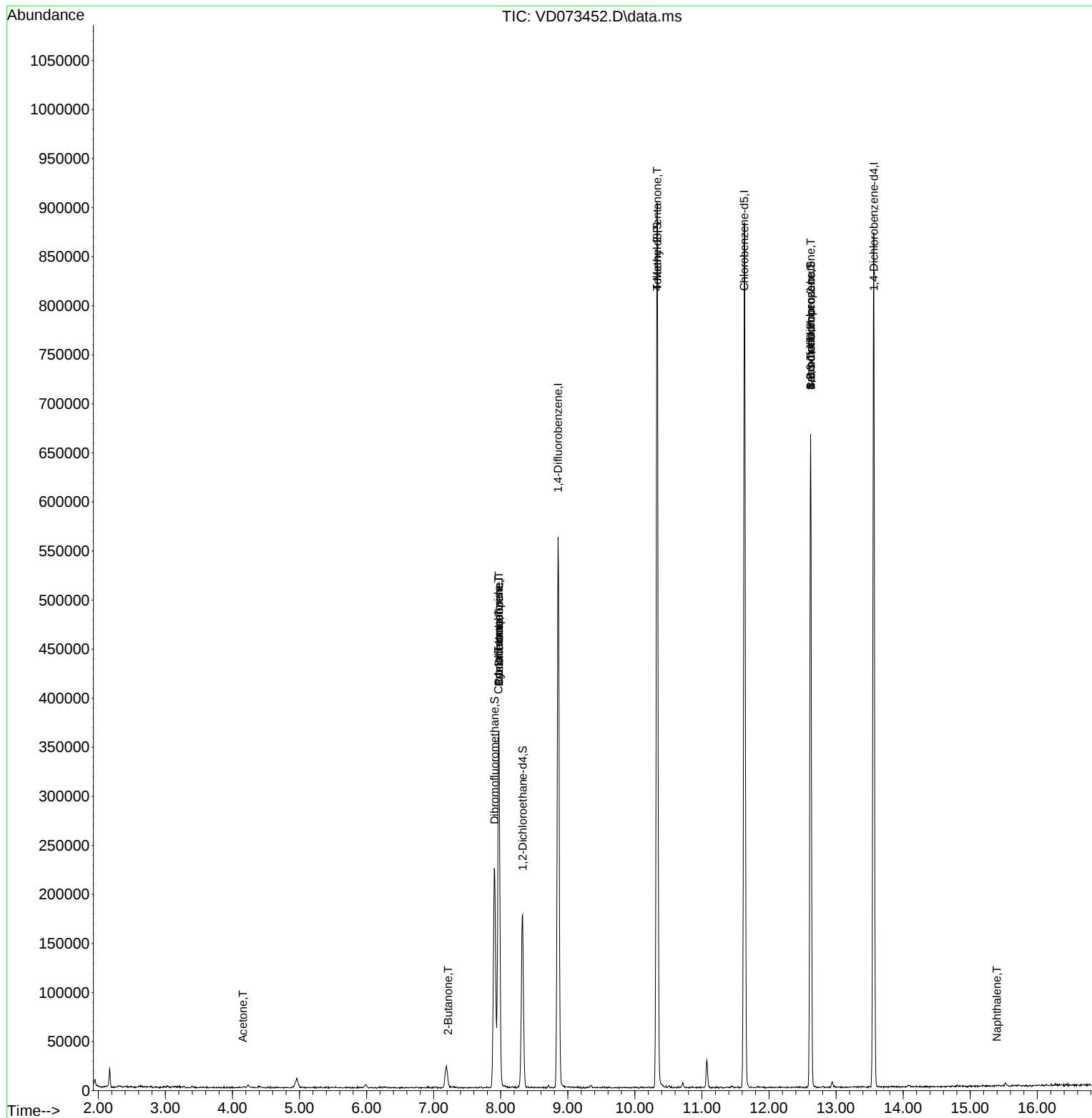
Internal Standards						
1) Pentafluorobenzene	7.973	168	266776	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	8.855	114	488306	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.632	117	525101	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.561	152	236387	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.326	65	139394	47.280	ug/l	0.00
Spiked Amount	50.000	Range	50 - 163	Recovery	=	94.560%
35) Dibromofluoromethane	7.908	113	164572	51.075	ug/l	0.00
Spiked Amount	50.000	Range	54 - 147	Recovery	=	102.140%
50) Toluene-d8	10.332	98	610151	51.369	ug/l	0.00
Spiked Amount	50.000	Range	49 - 140	Recovery	=	102.740%
62) 4-Bromofluorobenzene	12.620	95	223849	53.702	ug/l	0.00
Spiked Amount	50.000	Range	25 - 144	Recovery	=	107.400%
Target Compounds						
					Qvalue	
5) Bromomethane	2.815	94	55	Below Cal	#	1
13) Acrolein	3.915	56	80	Below Cal	#	14
16) Acetone	4.156	43	1037	2.031	ug/l #	47
20) Methylene Chloride	4.956	84	6988	Below Cal	#	82
25) 2-Butanone	7.214	43	1249	1.672	ug/l #	52
31) Cyclohexane	7.973	56	6294	1.222	ug/l #	1
36) 1,1-Dichloropropene	7.973	75	20571	4.245	ug/l #	52
38) Carbon Tetrachloride	7.967	117	27149	5.527	ug/l #	19
51) 4-Methyl-2-Pentanone	10.332	43	2533	1.378	ug/l #	1
71) Bromoform	12.620	173	2241	1.090	ug/l #	1
76) 1,2,3-Trichloropropane	12.620	75	110677	47.719	ug/l #	100
81) trans-1,4-Dichloro-2-b...	12.620	75	110677	114.558	ug/l #	7
95) Naphthalene	15.396	128	114	3.555	ug/l #	70

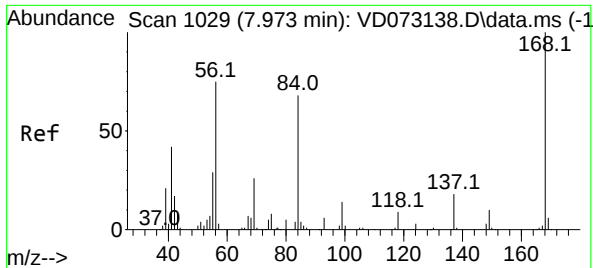
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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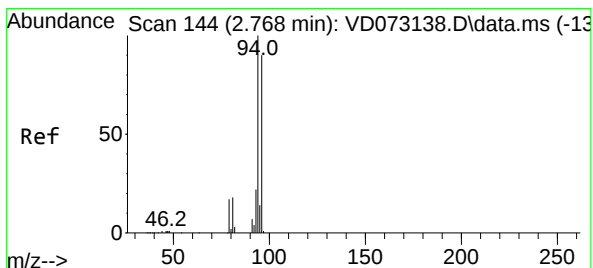
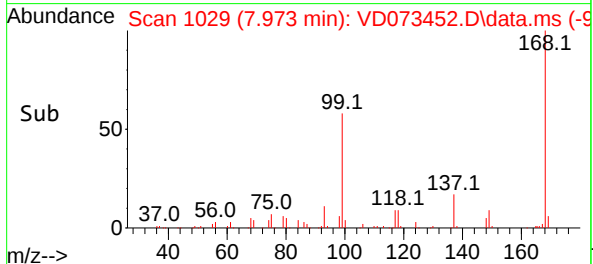
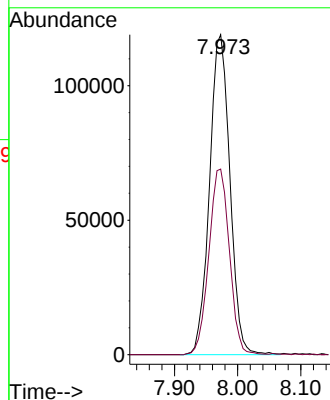
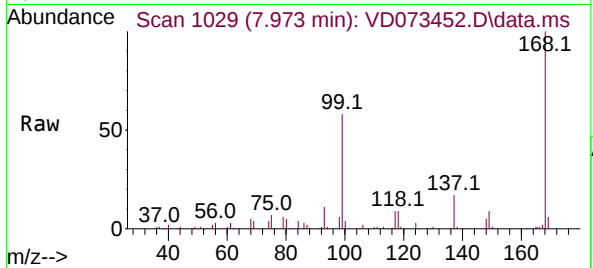




#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 7.973 min Scan# 1029
Delta R.T. 0.000 min
Lab File: VD073452.D
Acq: 01 Jun 2022 17:16

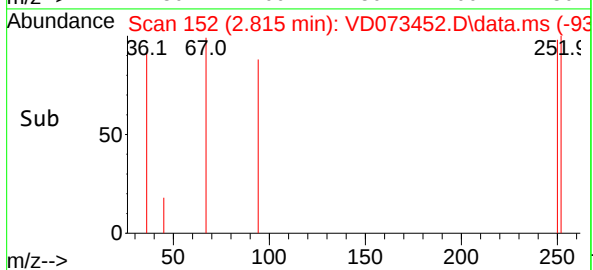
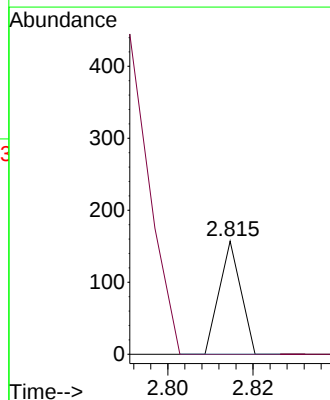
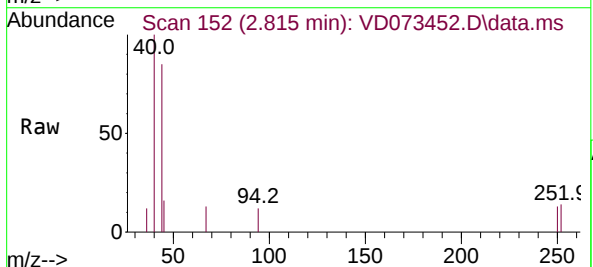
Instrument :
MSVOA_D
ClientSampleId :
BB-8

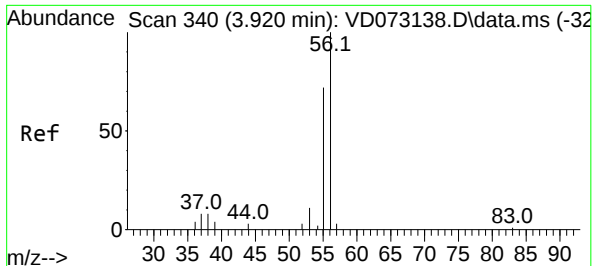
Tgt Ion:168 Resp: 266776
Ion Ratio Lower Upper
168 100
99 58.0 49.8 74.6



#5
Bromomethane
Concen: Below Cal
RT: 2.815 min Scan# 152
Delta R.T. 0.047 min
Lab File: VD073452.D
Acq: 01 Jun 2022 17:16

Tgt Ion: 94 Resp: 55
Ion Ratio Lower Upper
94 100
96 0.0 77.6 116.4#

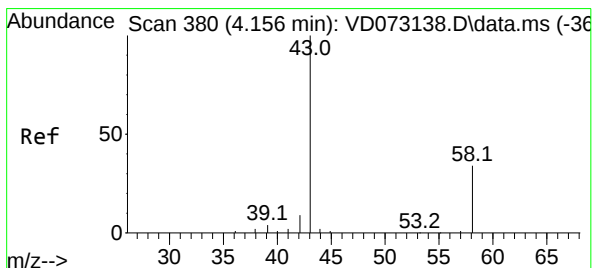
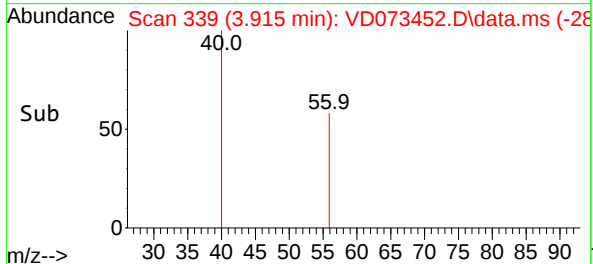
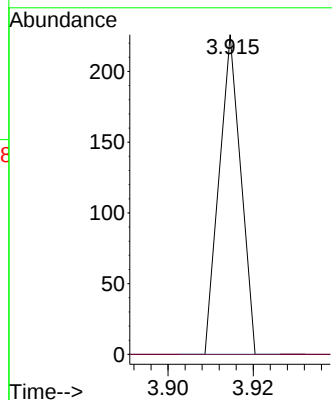
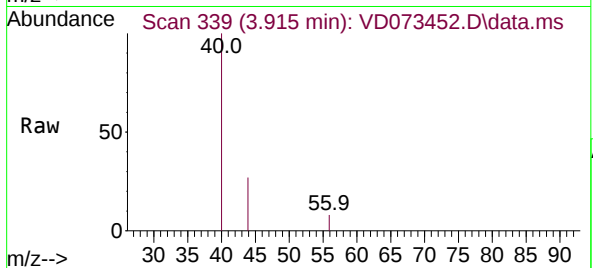




#13
Acrolein
Concen: Below Cal
RT: 3.915 min Scan# 31
Delta R.T. -0.005 min
Lab File: VD073452.D
Acq: 01 Jun 2022 17:16

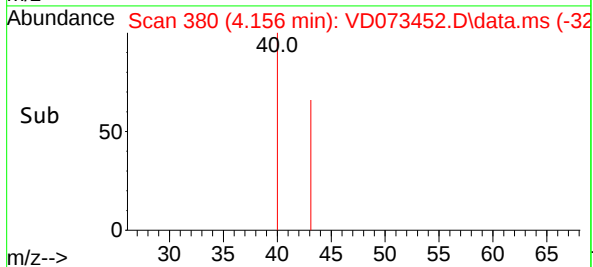
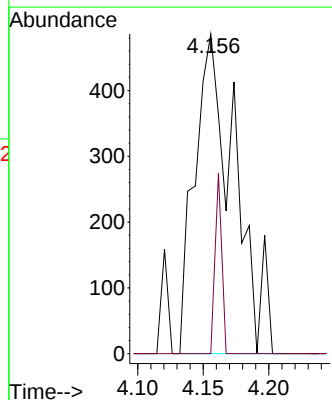
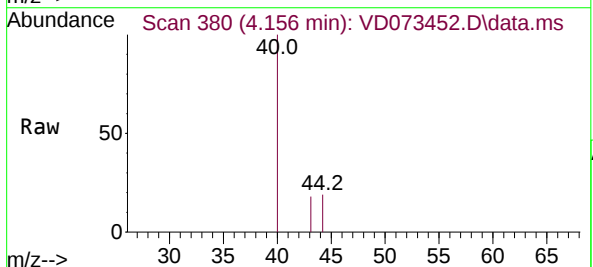
Instrument :
MSVOA_D
ClientSampleId :
BB-8

Tgt Ion: 56 Resp: 80
Ion Ratio Lower Upper
56 100
55 0.0 57.1 85.7#



#16
Acetone
Concen: 2.031 ug/l
RT: 4.156 min Scan# 380
Delta R.T. -0.000 min
Lab File: VD073452.D
Acq: 01 Jun 2022 17:16

Tgt Ion: 43 Resp: 1037
Ion Ratio Lower Upper
43 100
58 0.0 22.1 33.1#

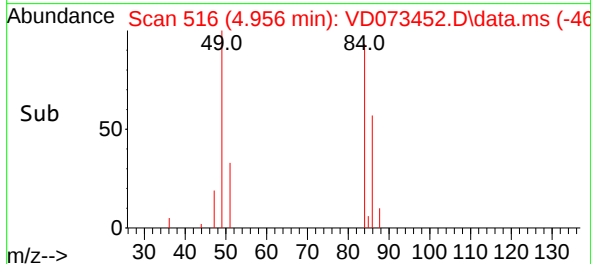
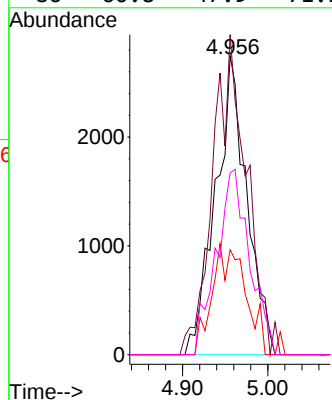
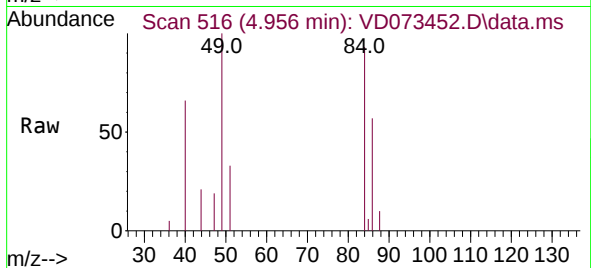




#20
Methylene Chloride
Concen: Below Cal
RT: 4.956 min Scan# 517
Delta R.T. -0.006 min
Lab File: VD073452.D
Acq: 01 Jun 2022 17:16

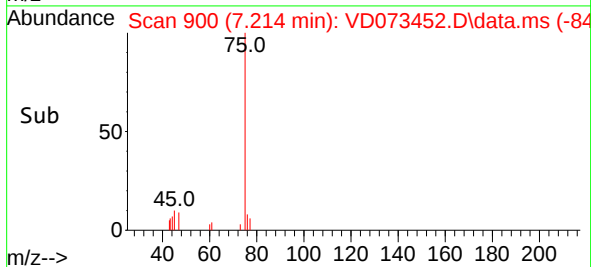
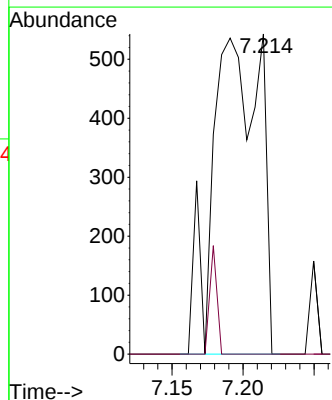
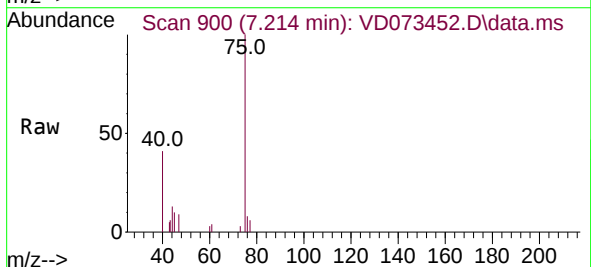
Instrument :
MSVOA_D
ClientSampleId :
BB-8

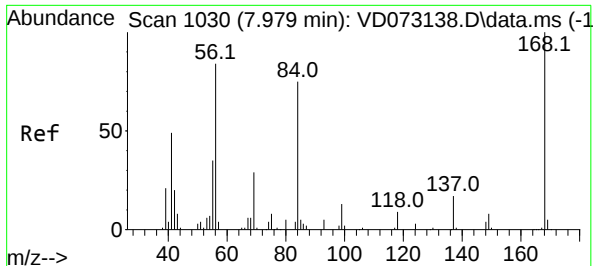
Tgt Ion:	84	Resp:	6988
Ion	Ratio	Lower	Upper
84	100		
49	107.1	112.8	169.2#
51	35.1	32.6	48.8
86	60.8	47.9	71.9



#25
2-Butanone
Concen: 1.672 ug/l
RT: 7.214 min Scan# 900
Delta R.T. 0.006 min
Lab File: VD073452.D
Acq: 01 Jun 2022 17:16

Tgt Ion:	43	Resp:	1249
Ion	Ratio	Lower	Upper
43	100		
72	0.0	18.6	27.8#

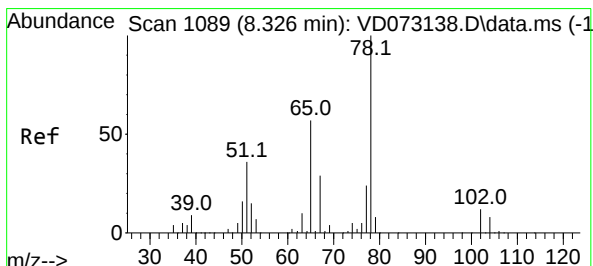
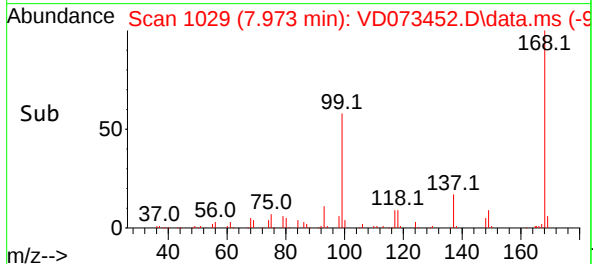
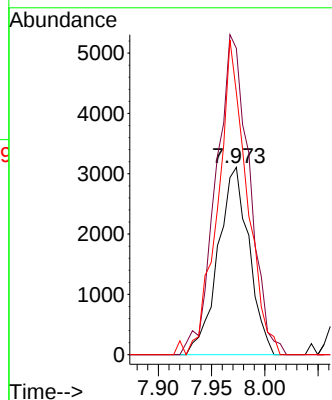
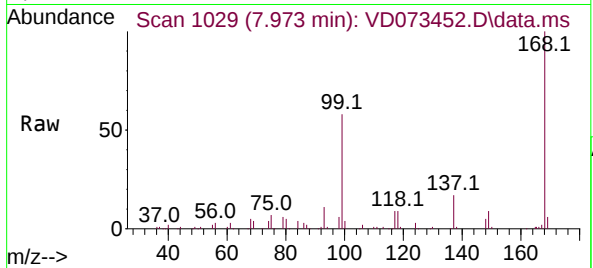




#31
Cyclohexane
Concen: 1.222 ug/l
RT: 7.973 min Scan# 1029
Delta R.T. -0.006 min
Lab File: VD073452.D
Acq: 01 Jun 2022 17:16

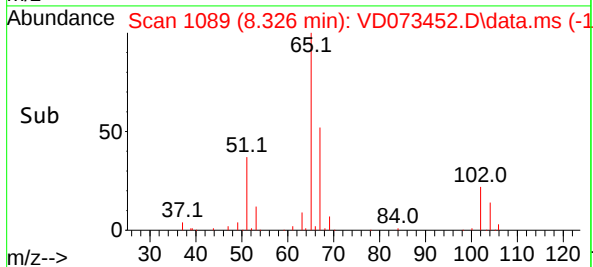
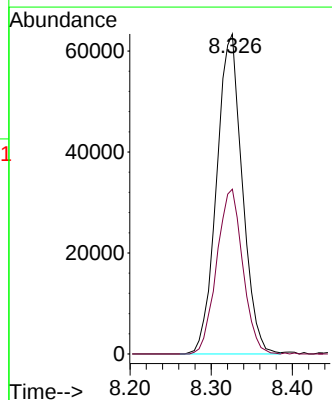
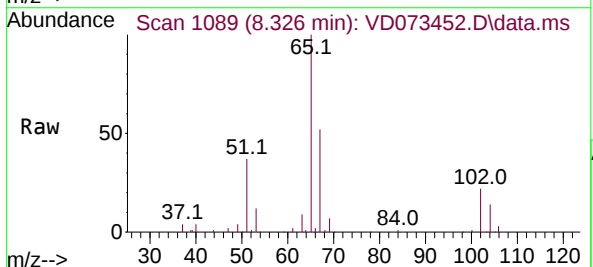
Instrument :
MSVOA_D
ClientSampleId :
BB-8

Tgt Ion: 56 Resp: 6294
Ion Ratio Lower Upper
56 100
69 163.6 25.4 38.2#
84 140.0 63.0 94.4#



#33
1,2-Dichloroethane-d4
Concen: 47.280 ug/l
RT: 8.326 min Scan# 1089
Delta R.T. 0.000 min
Lab File: VD073452.D
Acq: 01 Jun 2022 17:16

Tgt Ion: 65 Resp: 139394
Ion Ratio Lower Upper
65 100
67 52.2 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: VD073452.D

Acq: 01 Jun 2022 17:16

Instrument :

MSVOA_D

ClientSampleId :

BB-8

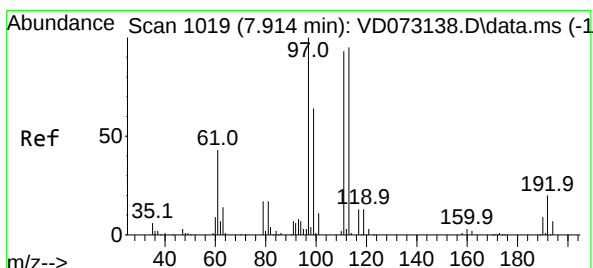
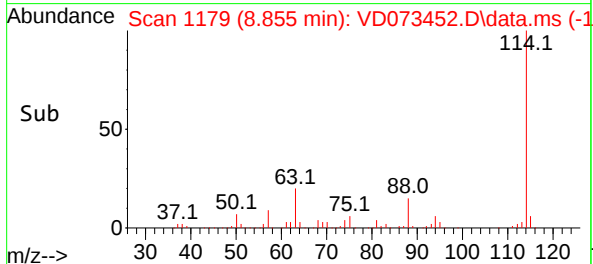
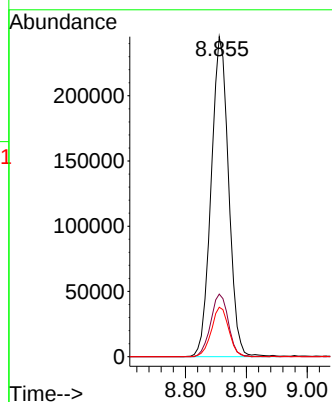
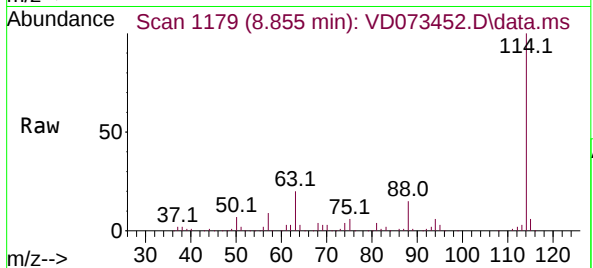
Tgt Ion:114 Resp: 488306

Ion Ratio Lower Upper

114 100

63 19.5 0.0 46.6

88 15.4 0.0 33.2



#35

Dibromofluoromethane

Concen: 51.075 ug/l

RT: 7.908 min Scan# 1018

Delta R.T. -0.006 min

Lab File: VD073452.D

Acq: 01 Jun 2022 17:16

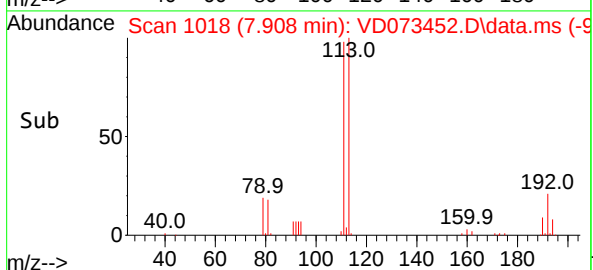
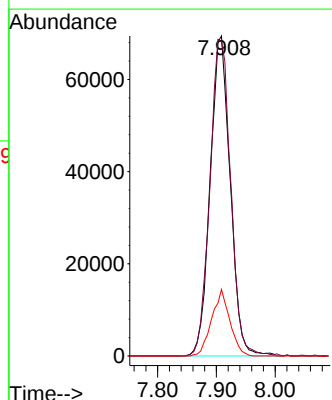
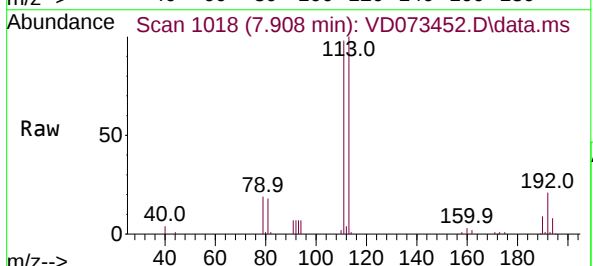
Tgt Ion:113 Resp: 164572

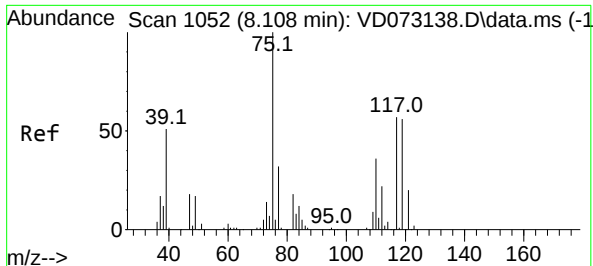
Ion Ratio Lower Upper

113 100

111 102.6 83.8 125.6

192 18.8 14.6 21.8





#36

1,1-Dichloropropene

Concen: 4.245 ug/l

RT: 7.973 min Scan# 1029

Delta R.T. -0.135 min

Lab File: VD073452.D

Acq: 01 Jun 2022 17:16

Instrument :

MSVOA_D

ClientSampleId :

BB-8

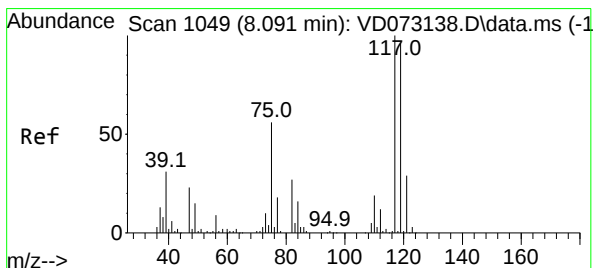
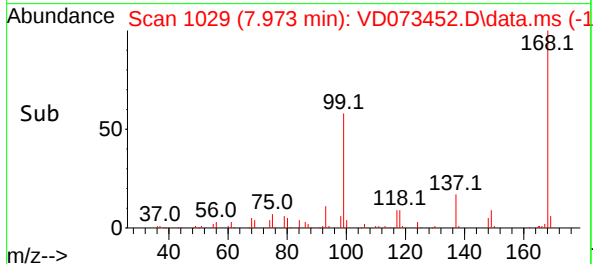
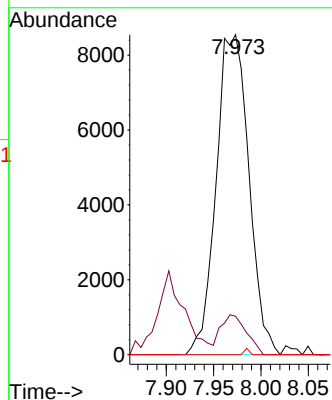
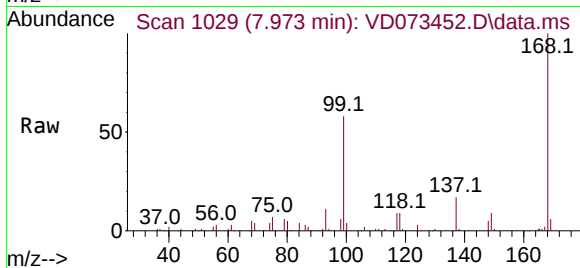
Tgt Ion: 75 Resp: 20571

Ion Ratio Lower Upper

75 100

110 9.7 16.4 49.1#

77 0.3 24.2 36.2#



#38

Carbon Tetrachloride

Concen: 5.527 ug/l

RT: 7.967 min Scan# 1028

Delta R.T. -0.124 min

Lab File: VD073452.D

Acq: 01 Jun 2022 17:16

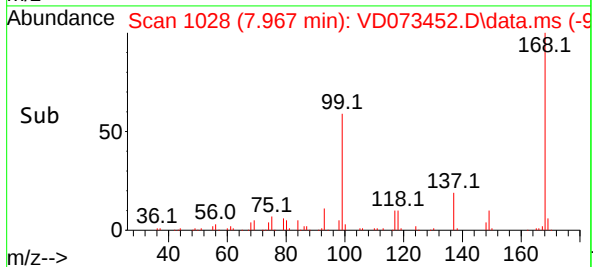
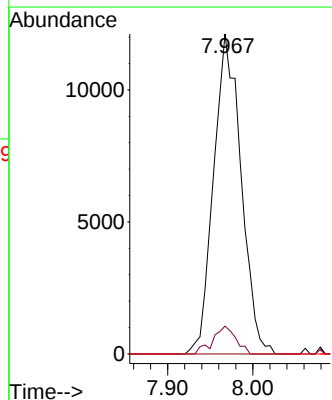
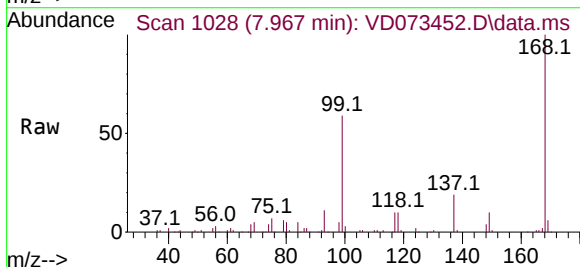
Tgt Ion: 117 Resp: 27149

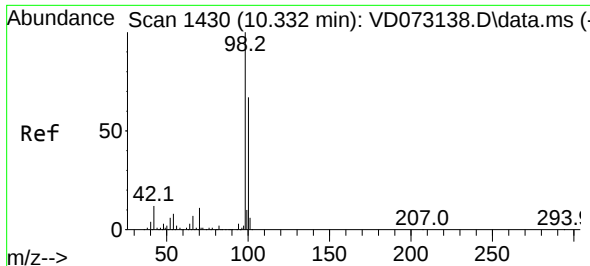
Ion Ratio Lower Upper

117 100

119 8.7 75.8 113.6#

121 0.0 24.5 36.7#

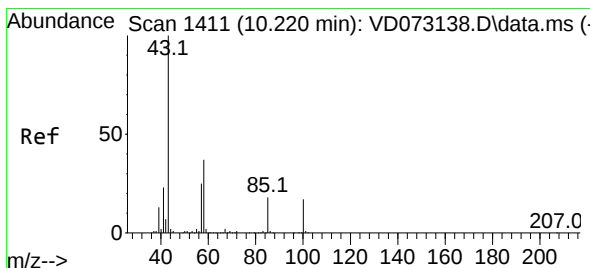
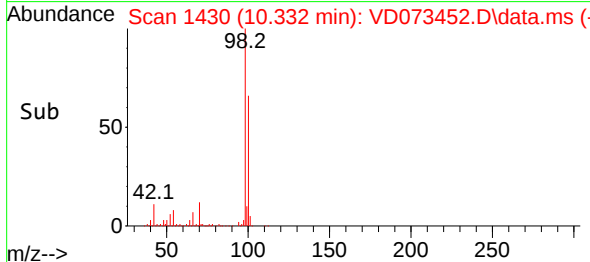
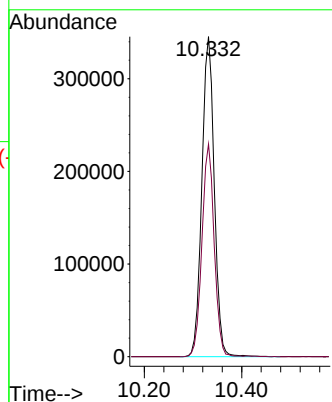
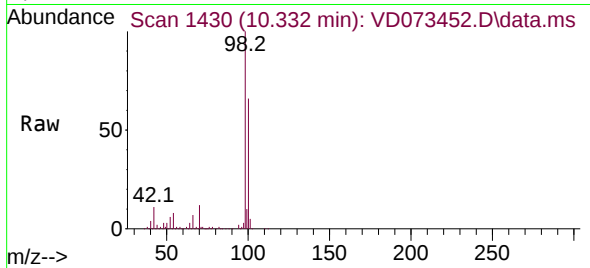




#50
Toluene-d8
Concen: 51.369 ug/l
RT: 10.332 min Scan# 1430
Delta R.T. -0.000 min
Lab File: VD073452.D
Acq: 01 Jun 2022 17:16

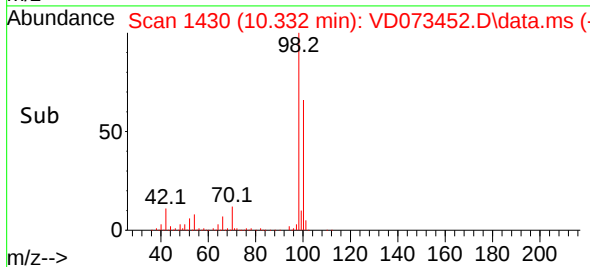
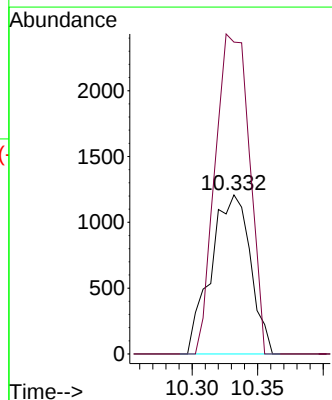
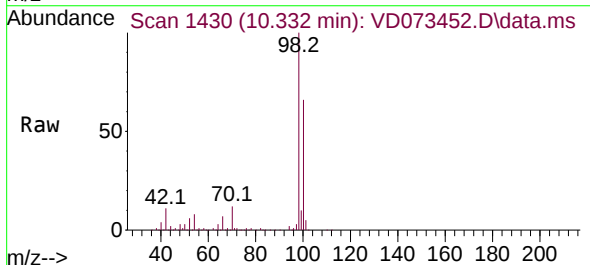
Instrument :
MSVOA_D
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BB-8

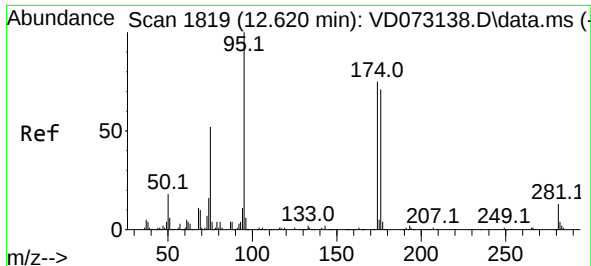
Tgt Ion: 98 Resp: 610151
Ion Ratio Lower Upper
98 100
100 65.6 52.4 78.6



#51
4-Methyl-2-Pentanone
Concen: 1.378 ug/l
RT: 10.332 min Scan# 1430
Delta R.T. 0.112 min
Lab File: VD073452.D
Acq: 01 Jun 2022 17:16

Tgt Ion: 43 Resp: 2533
Ion Ratio Lower Upper
43 100
58 174.7 28.6 43.0#

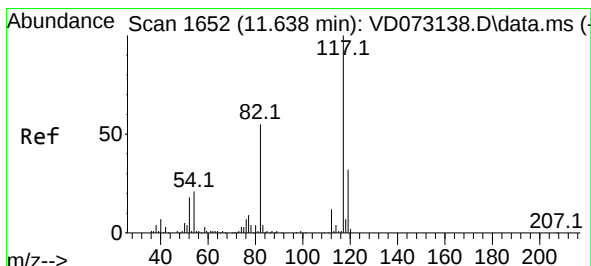
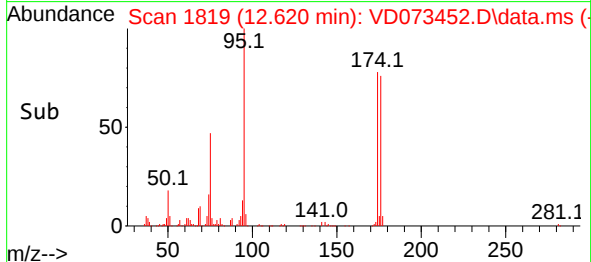
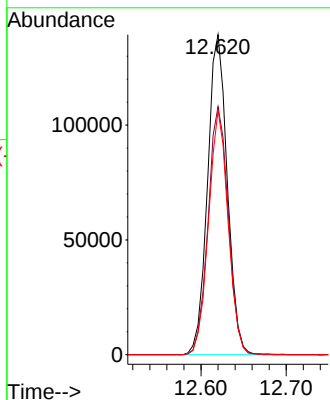
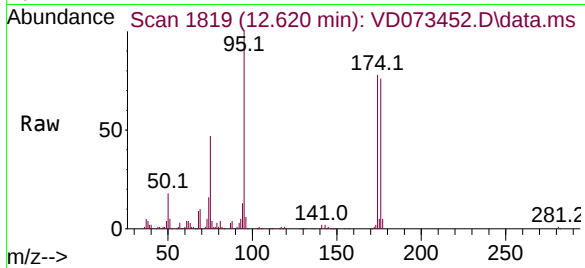




#62
4-Bromofluorobenzene
Concen: 53.702 ug/l
RT: 12.620 min Scan# 1819
Delta R.T. -0.000 min
Lab File: VD073452.D
Acq: 01 Jun 2022 17:16

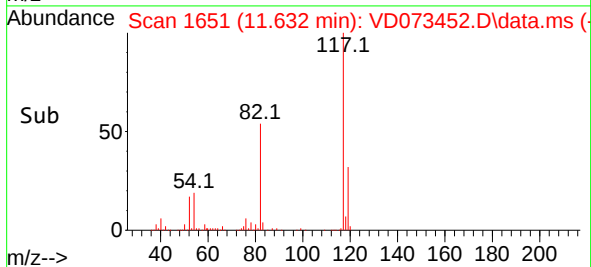
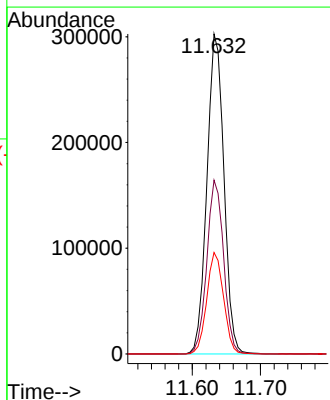
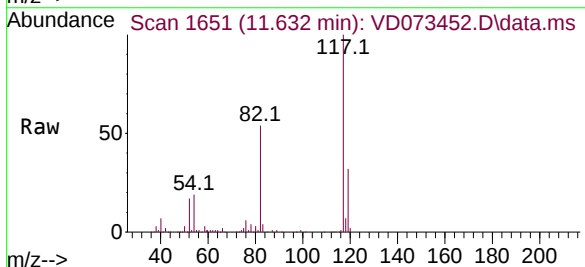
Instrument :
MSVOA_D
ClientSampleId :
BB-8

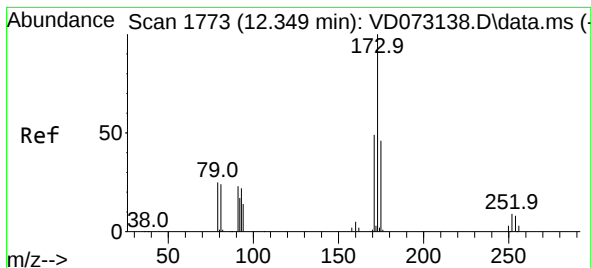
Tgt Ion: 95 Resp: 223849
Ion Ratio Lower Upper
95 100
174 79.7 0.0 152.8
176 75.6 0.0 145.4



#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.632 min Scan# 1651
Delta R.T. -0.006 min
Lab File: VD073452.D
Acq: 01 Jun 2022 17:16

Tgt Ion: 117 Resp: 525101
Ion Ratio Lower Upper
117 100
82 54.3 45.3 67.9
119 31.7 26.6 40.0





#71

Bromoform

Concen: 1.090 ug/l

RT: 12.620 min Scan# 1819

Delta R.T. 0.271 min

Lab File: VD073452.D

Acq: 01 Jun 2022 17:16

Instrument :

MSVOA_D

ClientSampleId :

BB-8

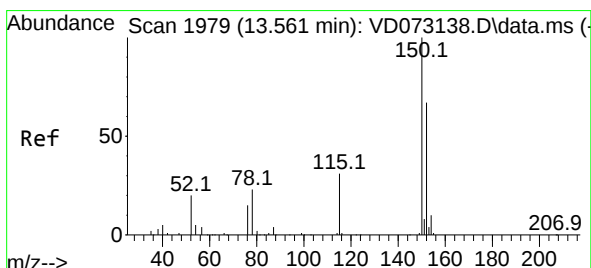
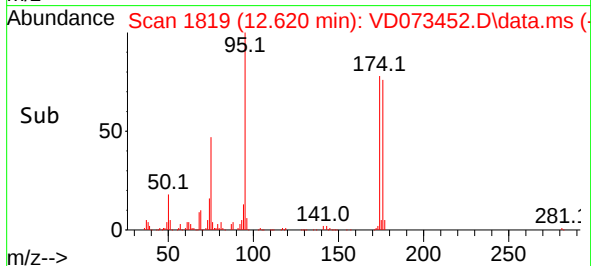
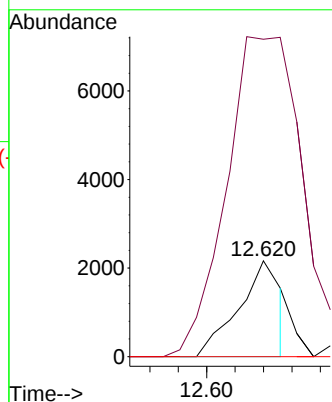
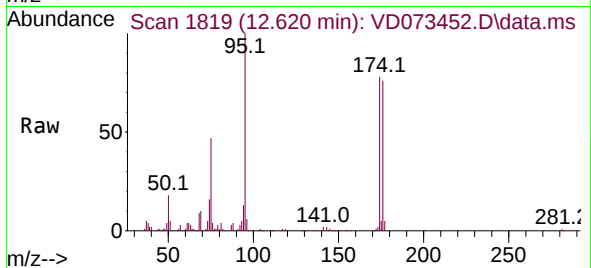
Tgt Ion:173 Resp: 2241

Ion Ratio Lower Upper

173 100

175 344.3 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: VD073452.D

Acq: 01 Jun 2022 17:16

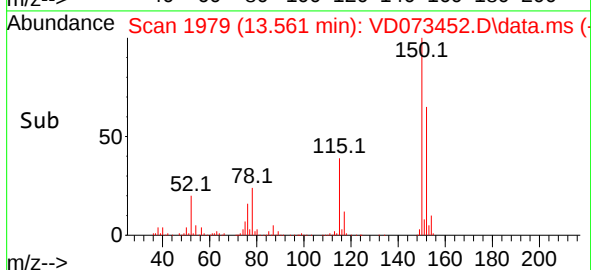
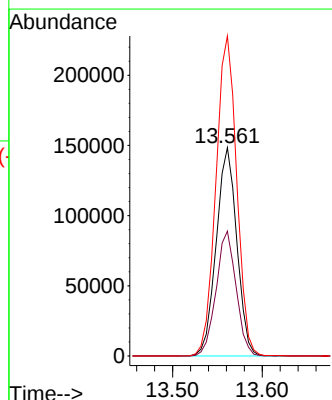
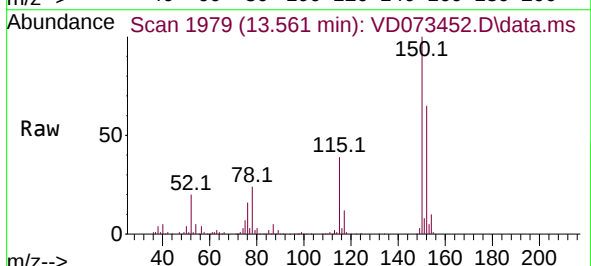
Tgt Ion:152 Resp: 236387

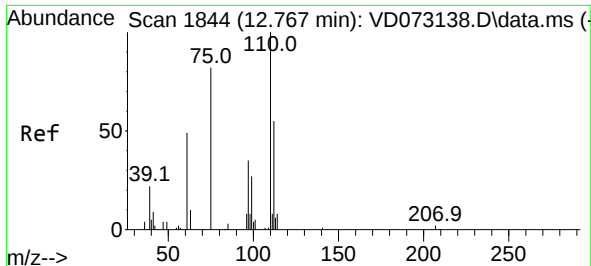
Ion Ratio Lower Upper

152 100

115 58.2 31.3 93.8

150 155.0 0.0 348.6

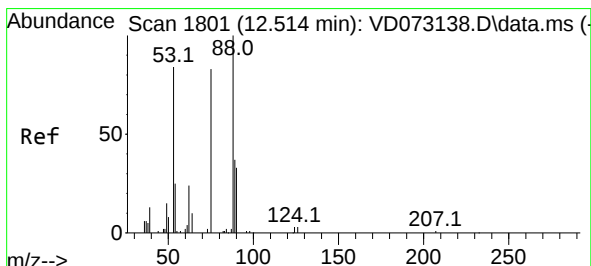
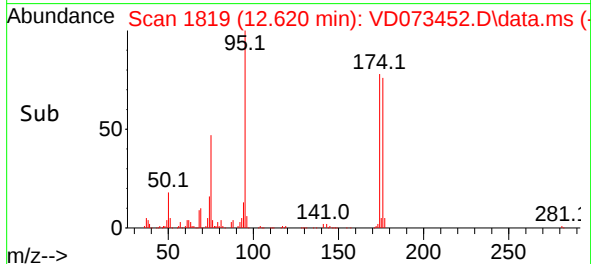
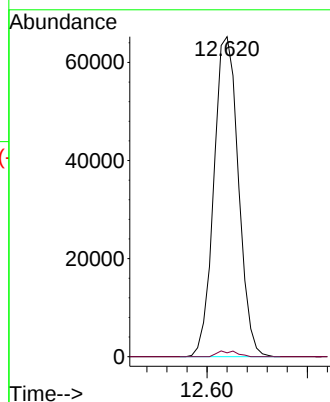
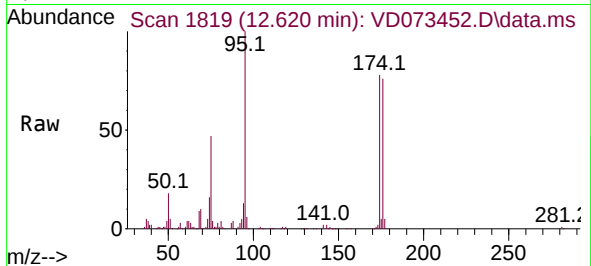




#76
1,2,3-Trichloropropane
Concen: 47.719 ug/l
RT: 12.620 min Scan# 1819
Delta R.T. -0.147 min
Lab File: VD073452.D
Acq: 01 Jun 2022 17:16

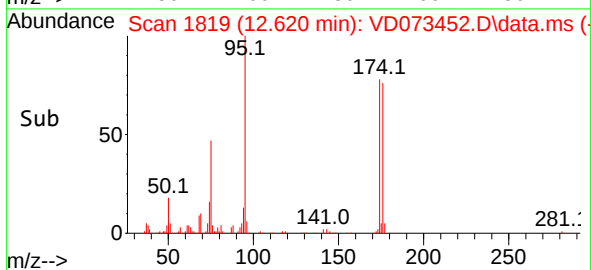
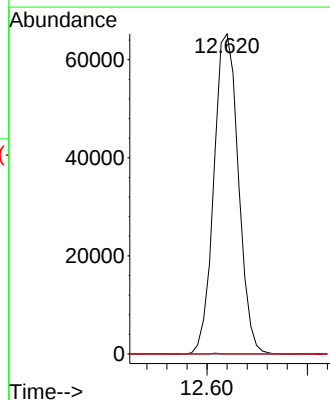
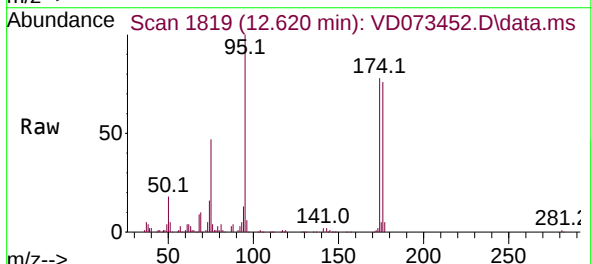
Instrument :
MSVOA_D
ClientSampleId :
BB-8

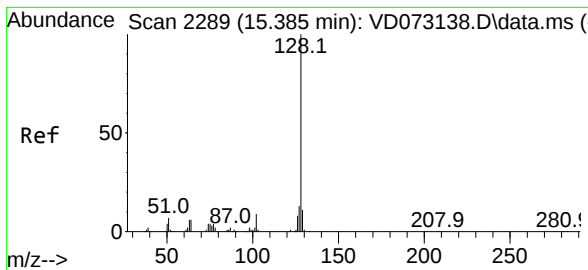
Tgt Ion: 75 Resp: 110677
Ion Ratio Lower Upper
75 100
77 1.4 0.0 0.0#



#81
trans-1,4-Dichloro-2-butene
Concen: 114.558 ug/l
RT: 12.620 min Scan# 1819
Delta R.T. 0.106 min
Lab File: VD073452.D
Acq: 01 Jun 2022 17:16

Tgt Ion: 75 Resp: 110677
Ion Ratio Lower Upper
75 100
53 0.0 86.5 129.7#
89 0.1 33.9 50.9#





#95
Naphthalene
Concen: 3.555 ug/l
RT: 15.396 min Scan# 21
Delta R.T. 0.011 min
Lab File: VD073452.D
Acq: 01 Jun 2022 17:16

Instrument :
MSVOA_D
ClientSampleId :
BB-8

Tgt Ion:	128	Resp:	114
Ion	Ratio	Lower	Upper
128	100		
127	0.0	10.3	15.5#
129	0.0	8.4	12.6#

