

Data Path : Z:\voasrv\HPCHEM1\MSVOA_D\Data\VD060122\
 Data File : VD073453.D
 Acq On : 01 Jun 2022 17:45
 Operator : VA/SY
 Sample : N3109-03RE
 Misc : 4.78G/5.00ml/MSVOA_D/SOIL
 ALS Vial : 15 Sample Multiplier: 1

Instrument :
 MSVOA_D
 ClientSampleId :
 BB-9

Quant Time: Jun 02 08:52:07 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)

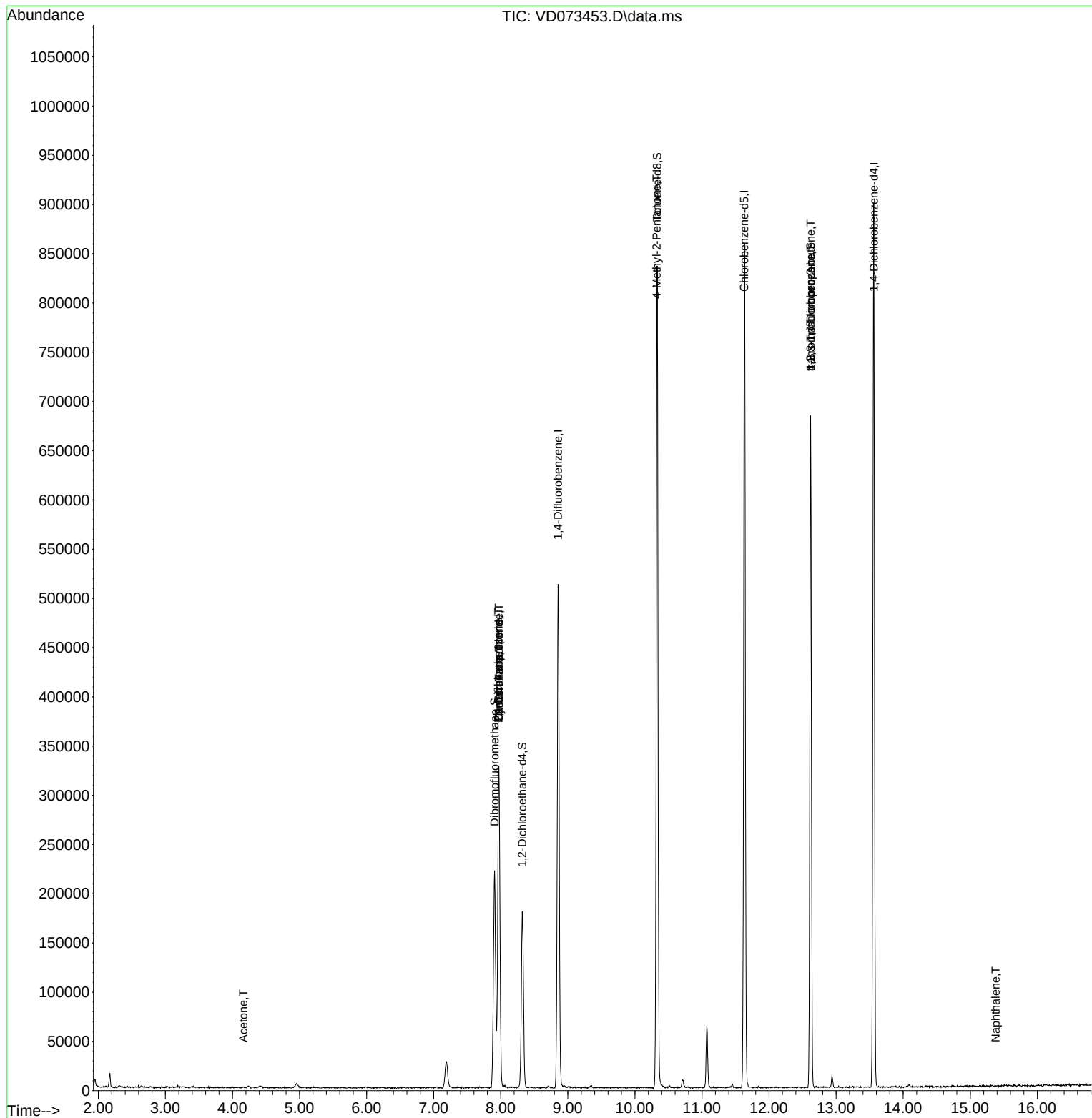
Internal Standards						
1) Pentafluorobenzene	7.967	168	245846	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	8.855	114	449841	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.632	117	498792	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.561	152	240069	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.320	65	141700	52.154	ug/l	0.00
Spiked Amount	50.000	Range	50 - 163	Recovery	= 104.300%	
35) Dibromofluoromethane	7.908	113	157804	53.162	ug/l	0.00
Spiked Amount	50.000	Range	54 - 147	Recovery	= 106.320%	
50) Toluene-d8	10.332	98	564685	51.607	ug/l	0.00
Spiked Amount	50.000	Range	49 - 140	Recovery	= 103.220%	
62) 4-Bromofluorobenzene	12.620	95	220851	57.513	ug/l	0.00
Spiked Amount	50.000	Range	25 - 144	Recovery	= 115.020%	
Target Compounds						
					Qvalue	
5) Bromomethane	2.768	94	465	Below Cal	#	80
16) Acetone	4.162	43	520	1.105	ug/l #	47
20) Methylene Chloride	4.962	84	2804	Below Cal	#	80
31) Cyclohexane	7.973	56	5335	1.124	ug/l #	1
36) 1,1-Dichloropropene	7.967	75	20263	4.539	ug/l #	50
38) Carbon Tetrachloride	7.973	117	25104	5.547	ug/l #	17
51) 4-Methyl-2-Pentanone	10.326	43	2307	1.363	ug/l #	1
76) 1,2,3-Trichloropropane	12.620	75	111635	47.393	ug/l #	100
81) trans-1,4-Dichloro-2-b...	12.620	75	111635	113.777	ug/l #	7
95) Naphthalene	15.379	128	138	3.558	ug/l #	70

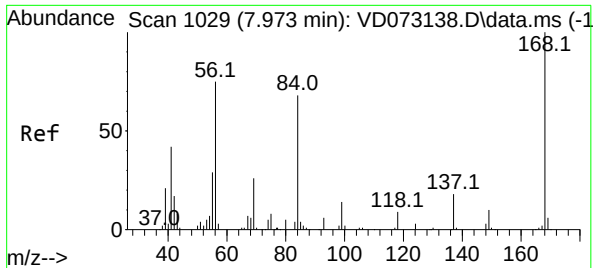
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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Quant Title : SW846 8260
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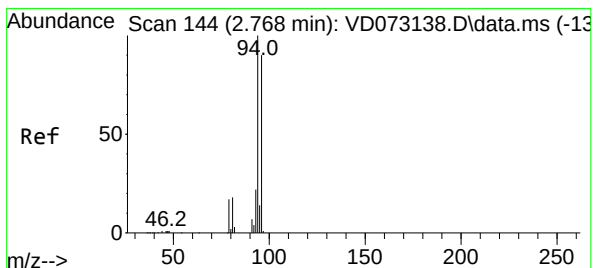
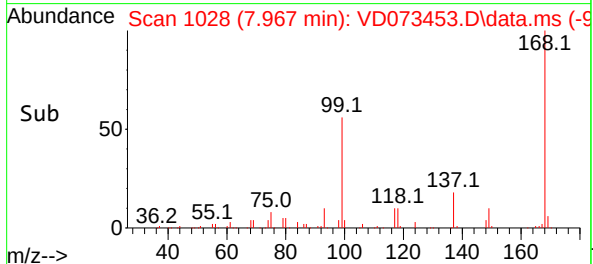
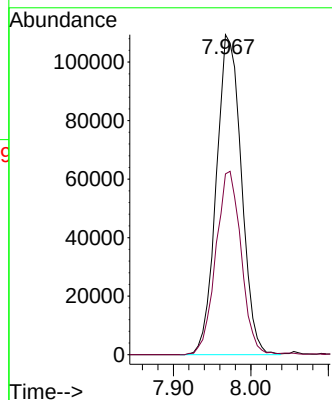
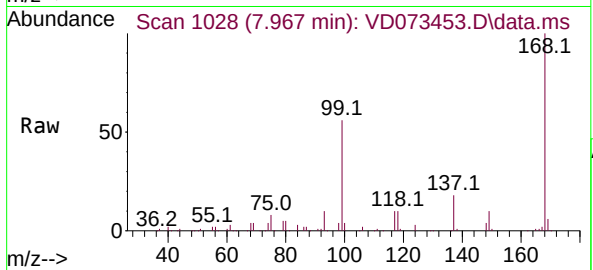




#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 7.967 min Scan# 1028
Delta R.T. -0.006 min
Lab File: VD073453.D
Acq: 01 Jun 2022 17:45

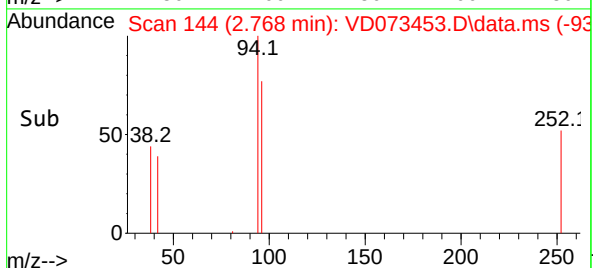
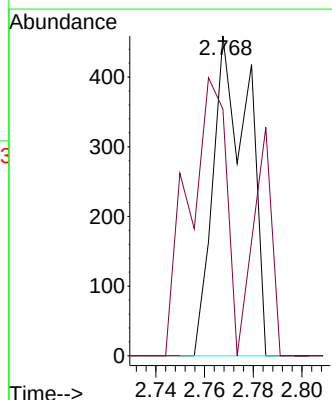
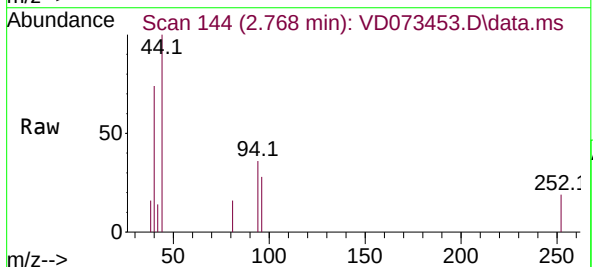
Instrument :
MSVOA_D
ClientSampleId :
BB-9

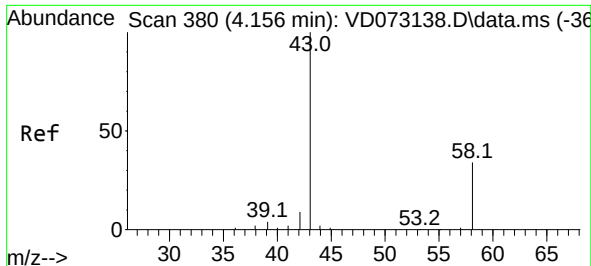
Tgt Ion:168 Resp: 245846
Ion Ratio Lower Upper
168 100
99 56.5 49.8 74.6



#5
Bromomethane
Concen: Below Cal
RT: 2.768 min Scan# 144
Delta R.T. -0.000 min
Lab File: VD073453.D
Acq: 01 Jun 2022 17:45

Tgt Ion: 94 Resp: 465
Ion Ratio Lower Upper
94 100
96 77.1 77.6 116.4#

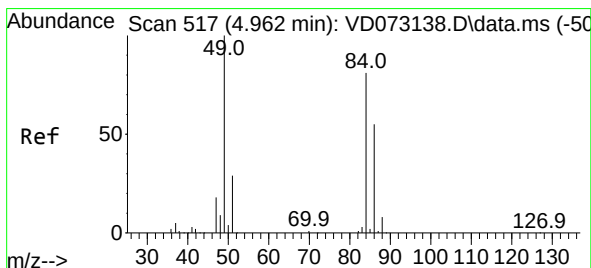
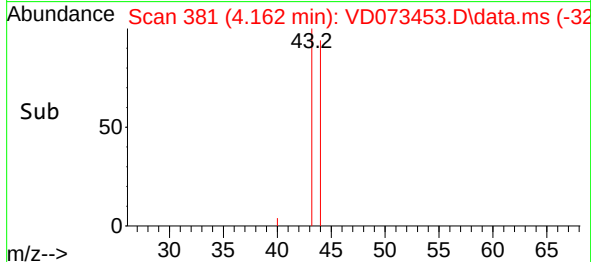
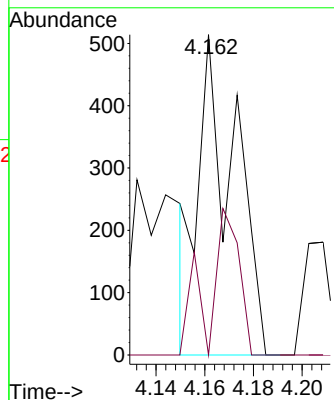
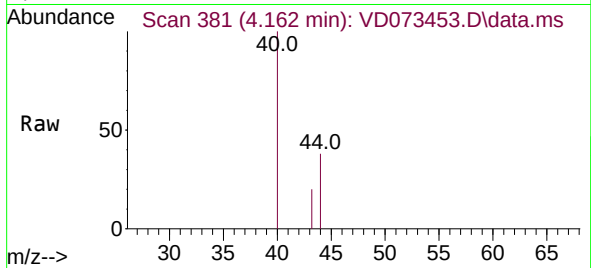




#16
Acetone
Concen: 1.105 ug/l
RT: 4.162 min Scan# 381
Delta R.T. 0.006 min
Lab File: VD073453.D
Acq: 01 Jun 2022 17:45

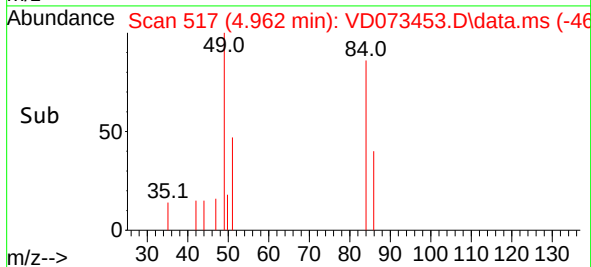
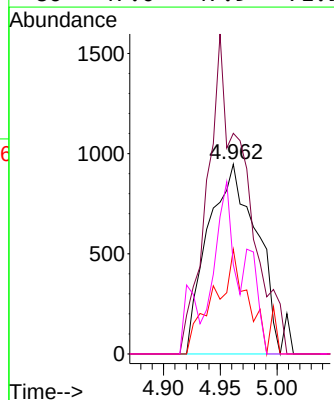
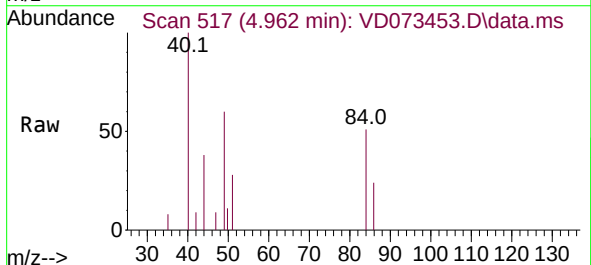
Instrument :
MSVOA_D
ClientSampleId :
BB-9

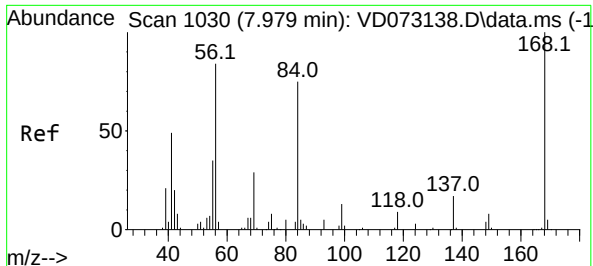
Tgt Ion: 43 Resp: 520
Ion Ratio Lower Upper
43 100
58 0.0 22.1 33.1#



#20
Methylene Chloride
Concen: Below Cal
RT: 4.962 min Scan# 517
Delta R.T. -0.000 min
Lab File: VD073453.D
Acq: 01 Jun 2022 17:45

Tgt Ion: 84 Resp: 2804
Ion Ratio Lower Upper
84 100
49 116.3 112.8 169.2
51 55.1 32.6 48.8#
86 47.0 47.9 71.9#

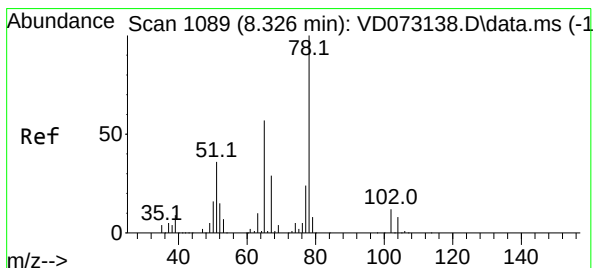
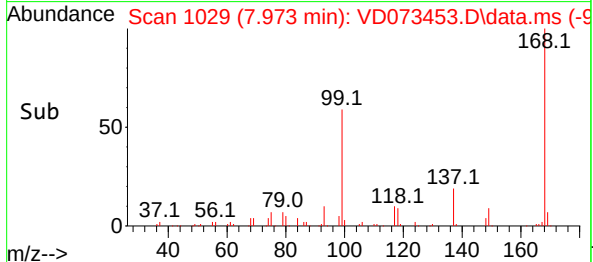
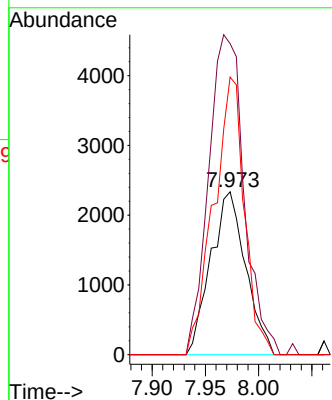
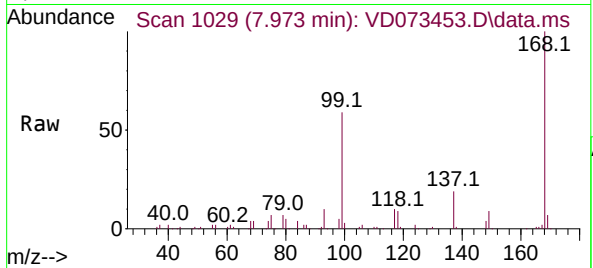




#31
Cyclohexane
Concen: 1.124 ug/l
RT: 7.973 min Scan# 1029
Delta R.T. -0.006 min
Lab File: VD073453.D
Acq: 01 Jun 2022 17:45

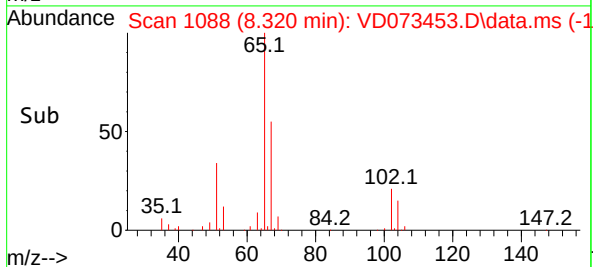
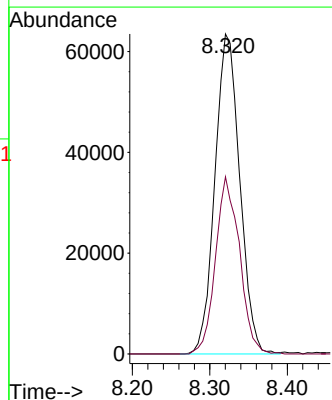
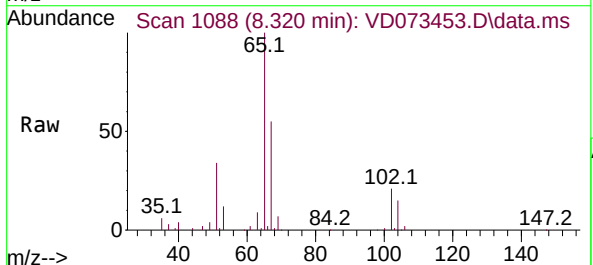
Instrument :
MSVOA_D
ClientSampleId :
BB-9

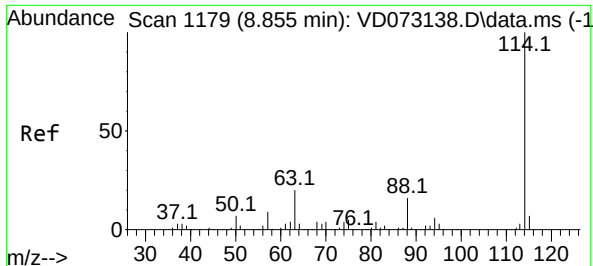
Tgt Ion: 56 Resp: 5335
Ion Ratio Lower Upper
56 100
69 191.0 25.4 38.2#
84 170.5 63.0 94.4#



#33
1,2-Dichloroethane-d4
Concen: 52.154 ug/l
RT: 8.320 min Scan# 1088
Delta R.T. -0.006 min
Lab File: VD073453.D
Acq: 01 Jun 2022 17:45

Tgt Ion: 65 Resp: 141700
Ion Ratio Lower Upper
65 100
67 53.4 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: VD073453.D

Acq: 01 Jun 2022 17:45

Instrument :

MSVOA_D

ClientSampleId :

BB-9

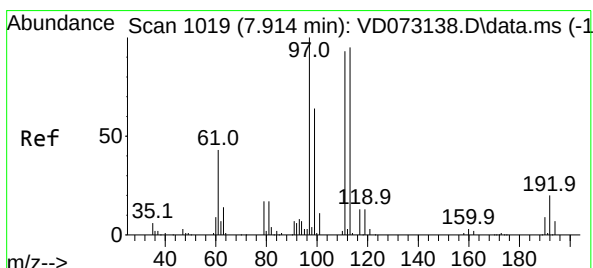
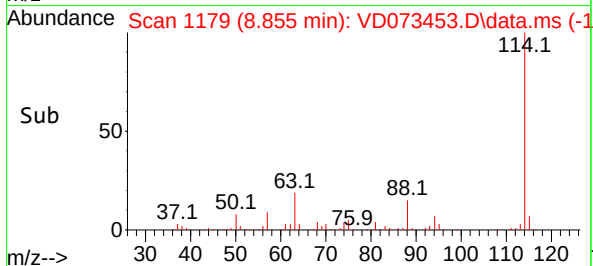
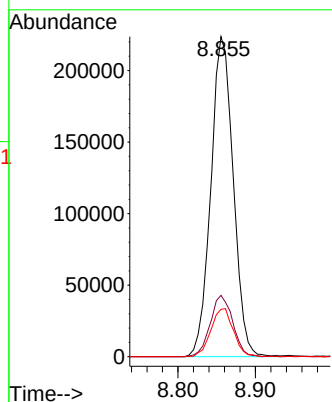
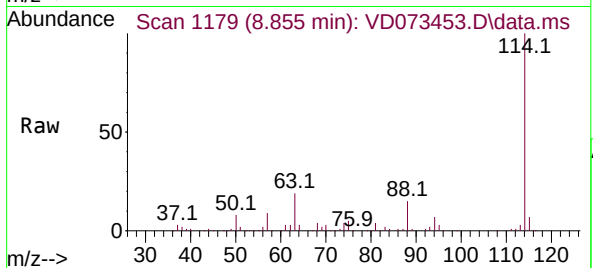
Tgt Ion:114 Resp: 449841

Ion Ratio Lower Upper

114 100

63 19.2 0.0 46.6

88 14.8 0.0 33.2



#35

Dibromofluoromethane

Concen: 53.162 ug/l

RT: 7.908 min Scan# 1018

Delta R.T. -0.006 min

Lab File: VD073453.D

Acq: 01 Jun 2022 17:45

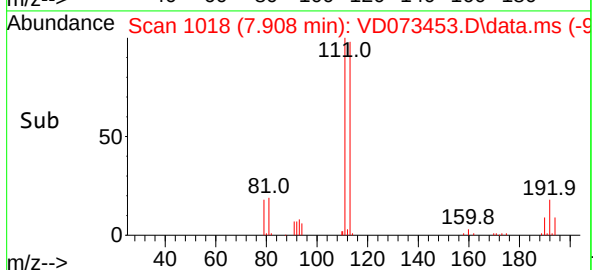
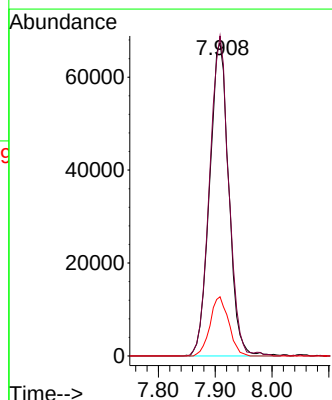
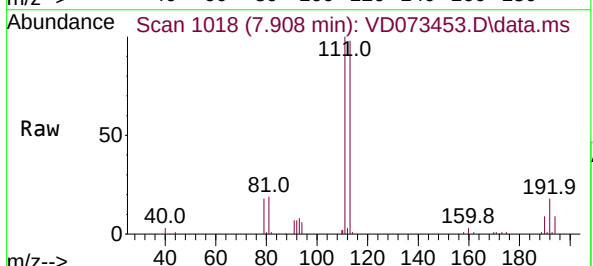
Tgt Ion:113 Resp: 157804

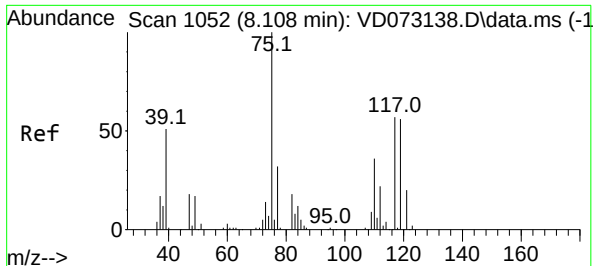
Ion Ratio Lower Upper

113 100

111 101.5 83.8 125.6

192 18.4 14.6 21.8





#36

1,1-Dichloropropene

Concen: 4.539 ug/l

RT: 7.967 min Scan# 1028

Delta R.T. -0.141 min

Lab File: VD073453.D

Acq: 01 Jun 2022 17:45

Instrument :

MSVOA_D

ClientSampleId :

BB-9

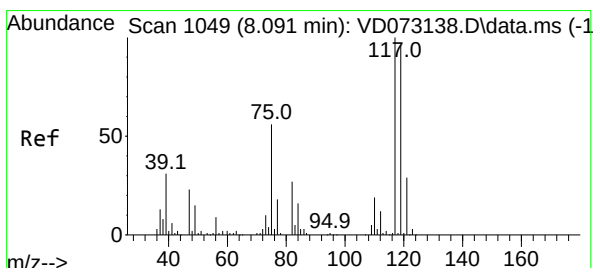
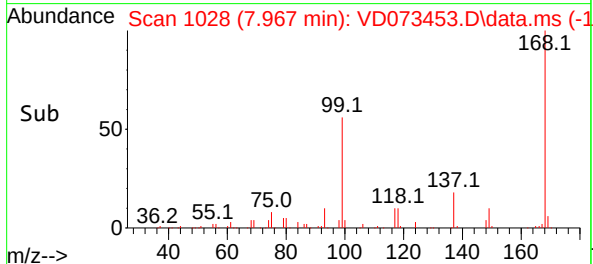
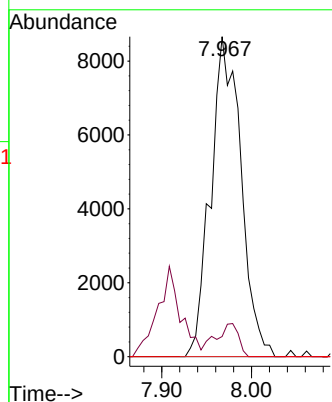
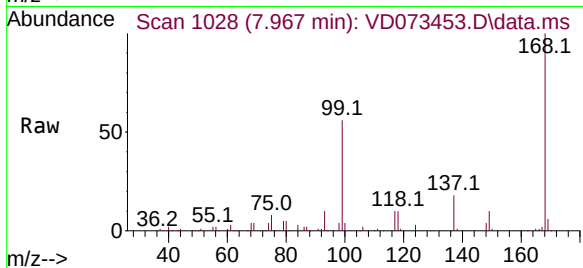
Tgt Ion: 75 Resp: 20263

Ion Ratio Lower Upper

75 100

110 7.9 16.4 49.1#

77 0.0 24.2 36.2#



#38

Carbon Tetrachloride

Concen: 5.547 ug/l

RT: 7.973 min Scan# 1029

Delta R.T. -0.118 min

Lab File: VD073453.D

Acq: 01 Jun 2022 17:45

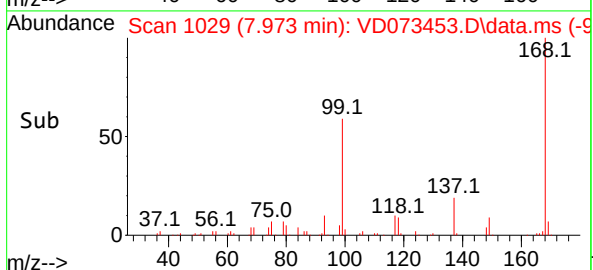
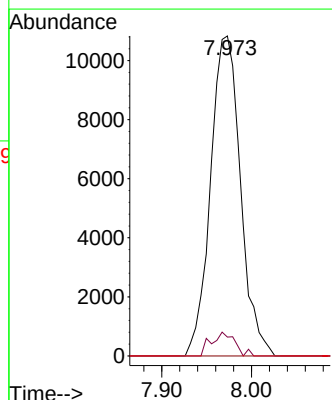
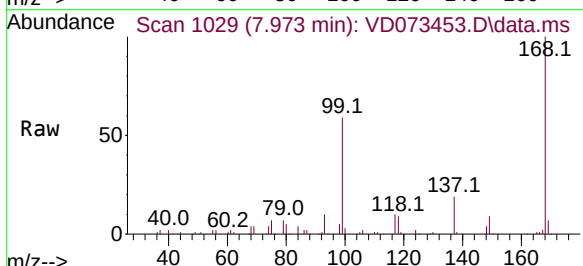
Tgt Ion: 117 Resp: 25104

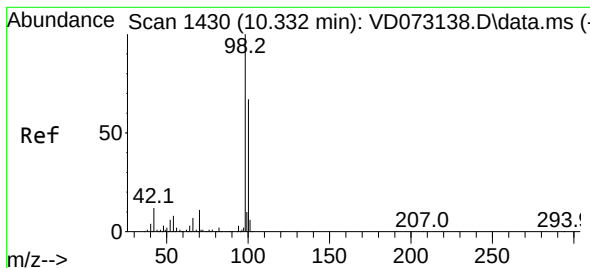
Ion Ratio Lower Upper

117 100

119 5.9 75.8 113.6#

121 0.0 24.5 36.7#

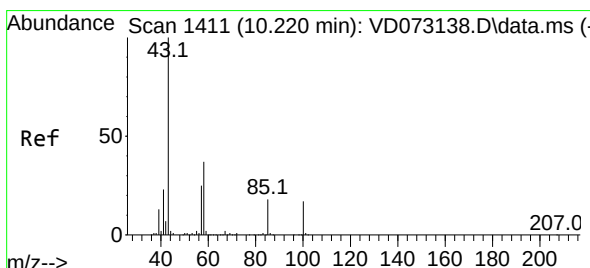
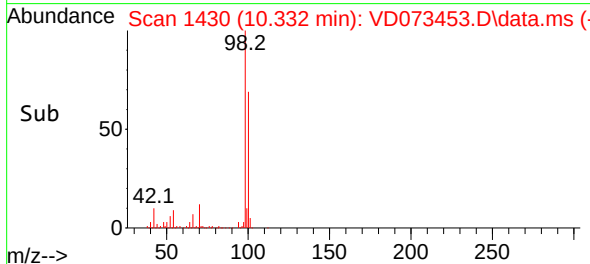
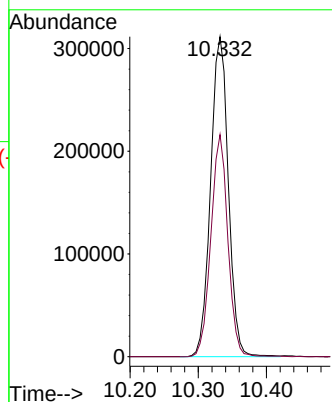
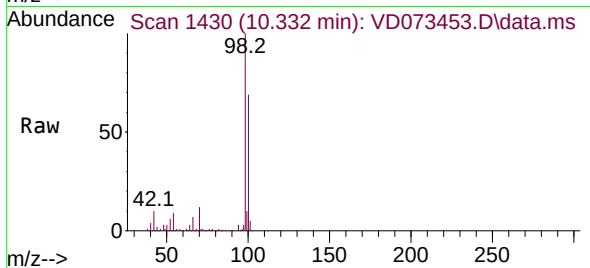




#50
Toluene-d8
Concen: 51.607 ug/l
RT: 10.332 min Scan# 1430
Delta R.T. -0.000 min
Lab File: VD073453.D
Acq: 01 Jun 2022 17:45

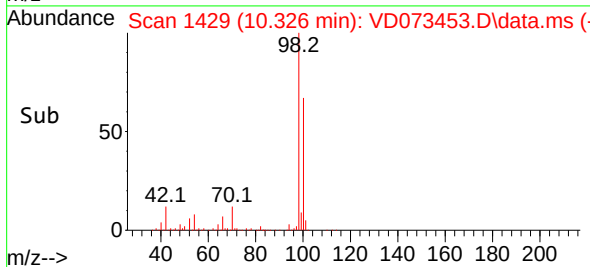
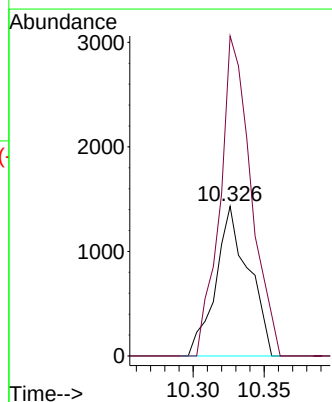
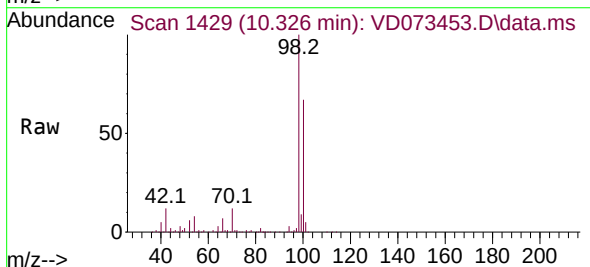
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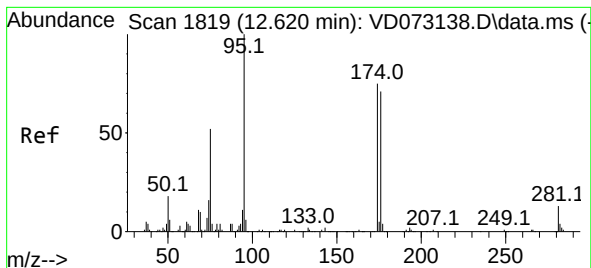
Tgt Ion: 98 Resp: 564685
Ion Ratio Lower Upper
98 100
100 66.3 52.4 78.6



#51
4-Methyl-2-Pentanone
Concen: 1.363 ug/l
RT: 10.326 min Scan# 1429
Delta R.T. 0.106 min
Lab File: VD073453.D
Acq: 01 Jun 2022 17:45

Tgt Ion: 43 Resp: 2307
Ion Ratio Lower Upper
43 100
58 201.7 28.6 43.0#

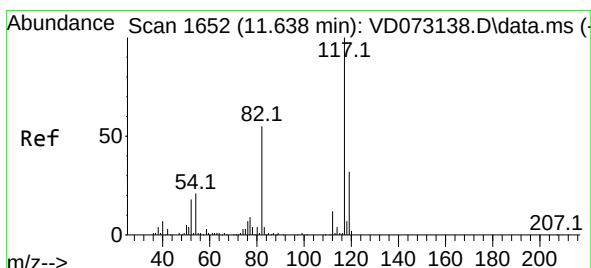
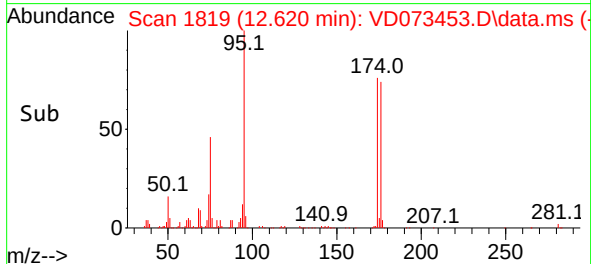
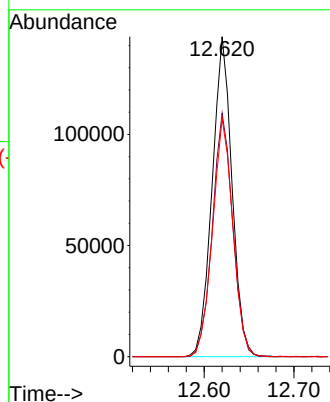
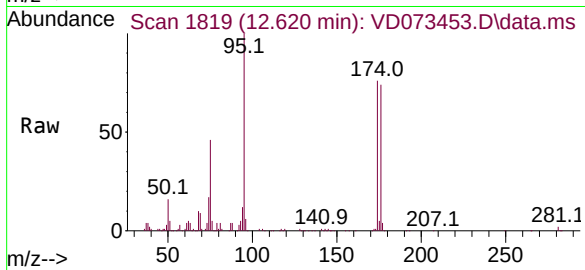




#62
4-Bromofluorobenzene
Concen: 57.513 ug/l
RT: 12.620 min Scan# 1819
Delta R.T. -0.000 min
Lab File: VD073453.D
Acq: 01 Jun 2022 17:45

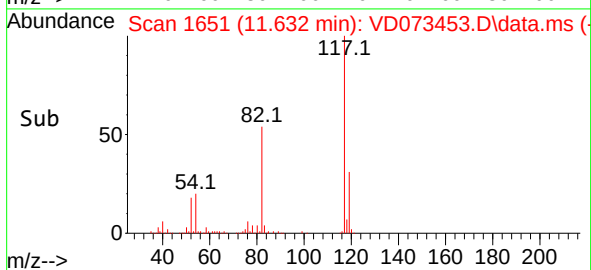
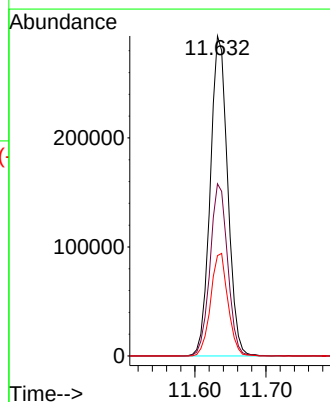
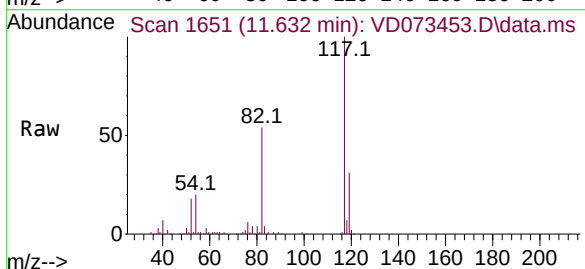
Instrument :
MSVOA_D
ClientSampleId :
BB-9

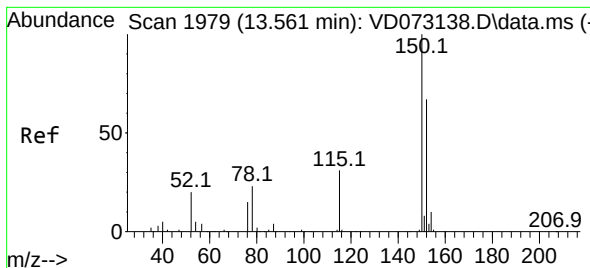
Tgt Ion: 95 Resp: 220851
Ion Ratio Lower Upper
95 100
174 78.0 0.0 152.8
176 76.3 0.0 145.4



#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.632 min Scan# 1651
Delta R.T. -0.006 min
Lab File: VD073453.D
Acq: 01 Jun 2022 17:45

Tgt Ion: 117 Resp: 498792
Ion Ratio Lower Upper
117 100
82 53.8 45.3 67.9
119 31.4 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: VD073453.D

Acq: 01 Jun 2022 17:45

Instrument :

MSVOA_D

ClientSampleId :

BB-9

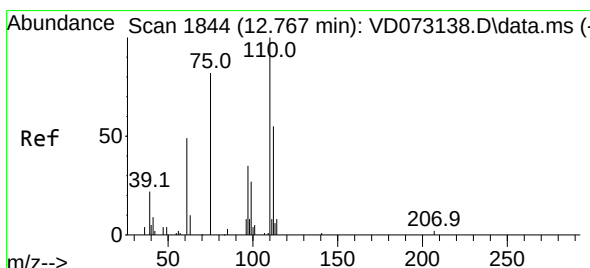
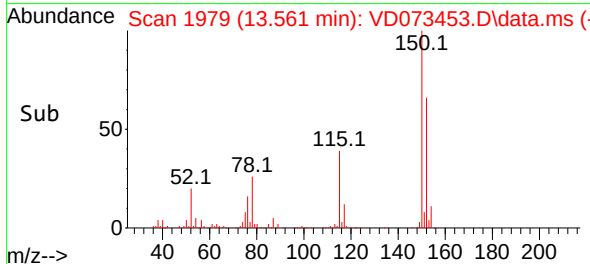
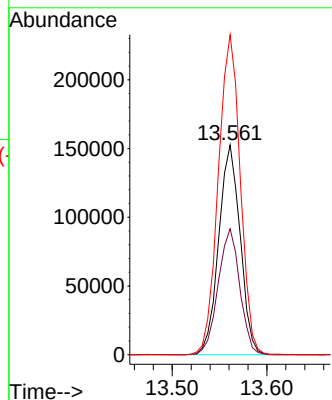
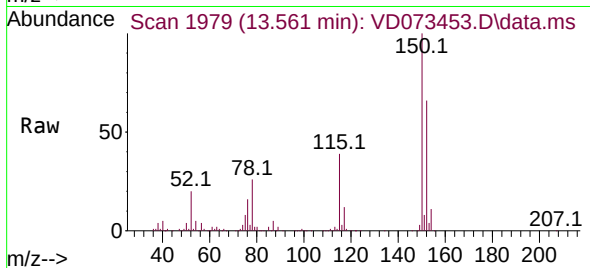
Tgt Ion:152 Resp: 240069

Ion Ratio Lower Upper

152 100

115 60.6 31.3 93.8

150 156.3 0.0 348.6



#76

1,2,3-Trichloropropane

Concen: 47.393 ug/l

RT: 12.620 min Scan# 1819

Delta R.T. -0.147 min

Lab File: VD073453.D

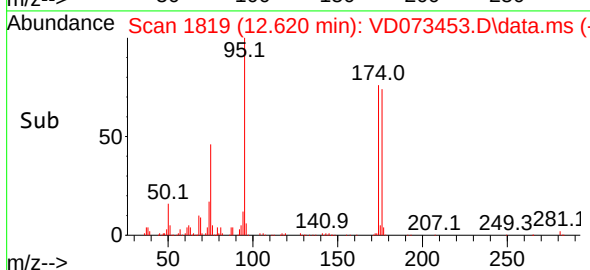
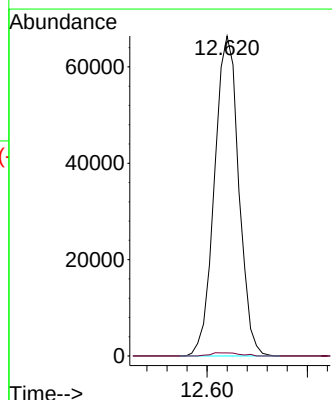
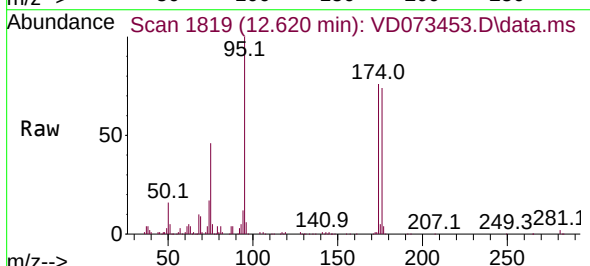
Acq: 01 Jun 2022 17:45

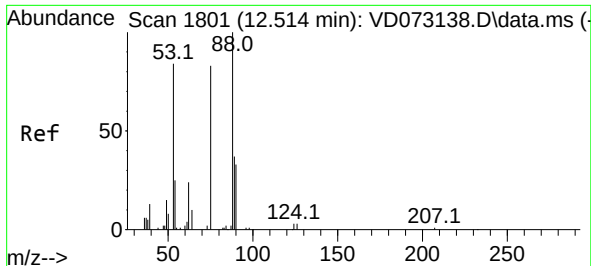
Tgt Ion: 75 Resp: 111635

Ion Ratio Lower Upper

75 100

77 1.2 0.0 0.0#

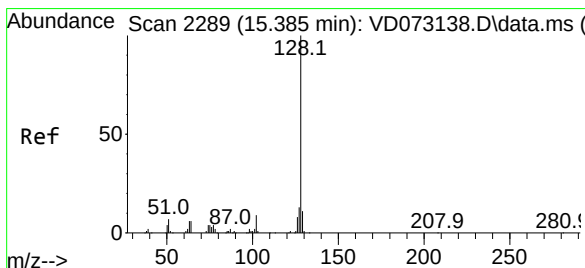
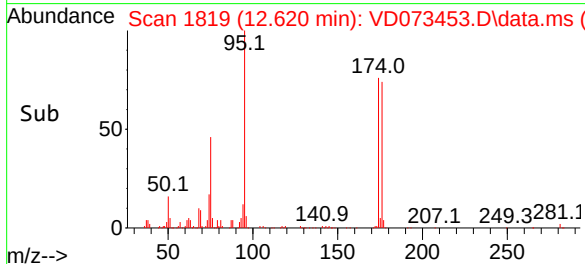
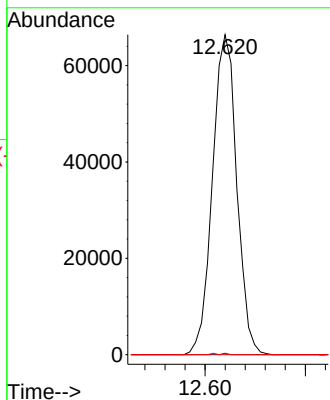
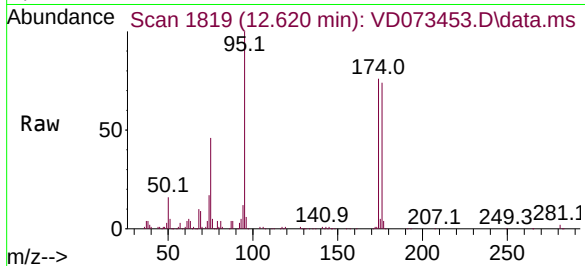




#81
trans-1,4-Dichloro-2-butene
Concen: 113.777 ug/l
RT: 12.620 min Scan# 1819
Delta R.T. 0.106 min
Lab File: VD073453.D
Acq: 01 Jun 2022 17:45

Instrument :
MSVOA_D
ClientSampleId :
BB-9

Tgt Ion: 75 Resp: 111635
Ion Ratio Lower Upper
75 100
53 0.1 86.5 129.7#
89 0.1 33.9 50.9#



#95
Naphthalene
Concen: 3.558 ug/l
RT: 15.379 min Scan# 2288
Delta R.T. -0.006 min
Lab File: VD073453.D
Acq: 01 Jun 2022 17:45

Tgt Ion: 128 Resp: 138
Ion Ratio Lower Upper
128 100
127 0.0 10.3 15.5#
129 0.0 8.4 12.6#

