

Data Path : Z:\voasrv\HPCHEM1\MSVOA_D\Data\VD051923\
 Data File : VD076159.D
 Acq On : 19 May 2023 16:11
 Operator : KP/SY
 Sample : 02845-01
 Misc : 4.65G/5.01ml/MSVOA_D/SOIL
 ALS Vial : 13 Sample Multiplier: 1

Instrument :
 MSVOA_D
 ClientSampleId :
 TP1

Quant Time: May 22 01:30:08 2023
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_D\Method\82D051523S.M
 Quant Title : SW846 8260
 QLast Update : Tue May 16 10:08:53 2023
 Response via : Initial Calibration

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

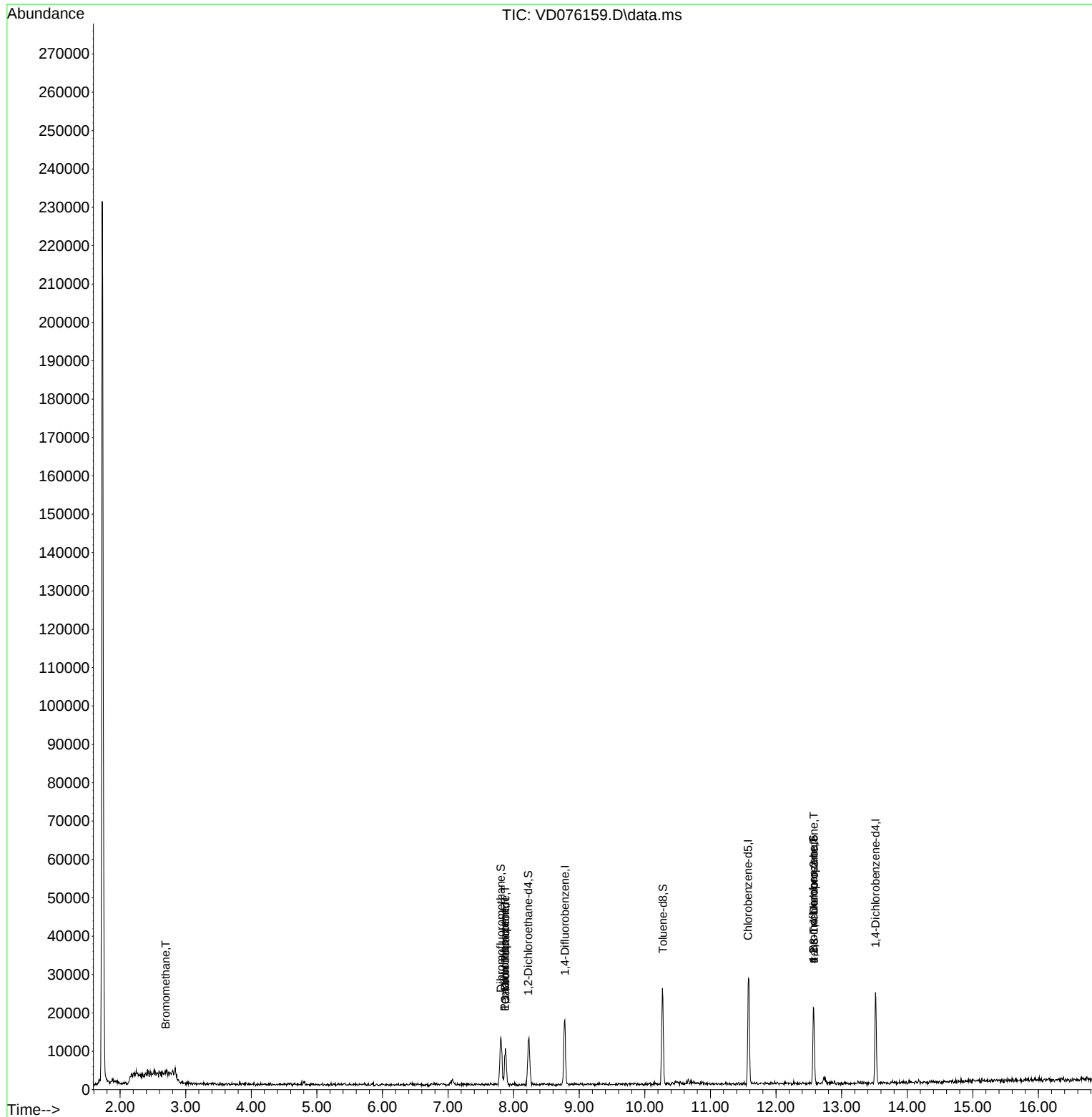
Internal Standards						
1) Pentafluorobenzene	7.863	168	8618	50.000	ug/l	#-0.01
34) 1,4-Difluorobenzene	8.781	114	16734	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.575	117	19454	50.000	ug/l	# 0.00
72) 1,4-Dichlorobenzene-d4	13.516	152	6942	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.222	65	10066	120.854	ug/l	-0.01
Spiked Amount	50.000	Range	50 - 163	Recovery	= 241.700%#	
35) Dibromofluoromethane	7.804	113	9931	85.858	ug/l	0.00
Spiked Amount	50.000	Range	54 - 147	Recovery	= 171.720%#	
50) Toluene-d8	10.275	98	19002	42.142	ug/l	0.00
Spiked Amount	50.000	Range	58 - 134	Recovery	= 84.280%	
62) 4-Bromofluorobenzene	12.569	95	6500	51.894	ug/l	0.00
Spiked Amount	50.000	Range	30 - 143	Recovery	= 103.780%	
Target Compounds						
					Qvalue	
3) Chloromethane	2.146	50	279	Below Cal	#	40
5) Bromomethane	2.693	94	704	6.238	ug/l	87
20) Methylene Chloride	4.793	84	139	Below Cal	#	48
36) 1,1-Dichloropropene	7.869	75	542	3.470	ug/l	# 42
38) Carbon Tetrachloride	7.875	117	830	5.882	ug/l	# 13
76) 1,2,3-Trichloropropane	12.575	75	3632	59.788	ug/l	# 100
81) trans-1,4-Dichloro-2-b...	12.575	75	3632	125.424	ug/l	# 5

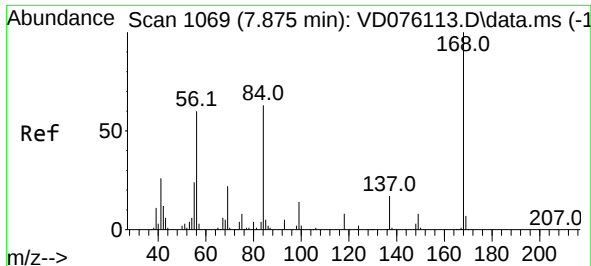
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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Response via : Initial Calibration

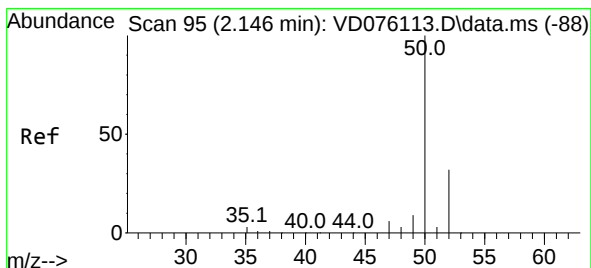
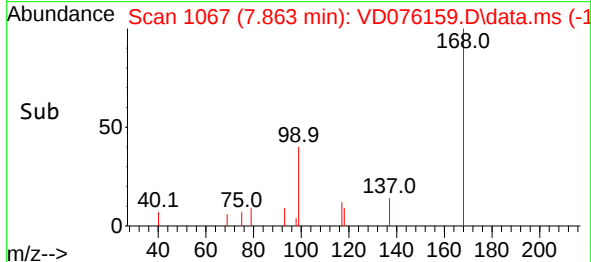
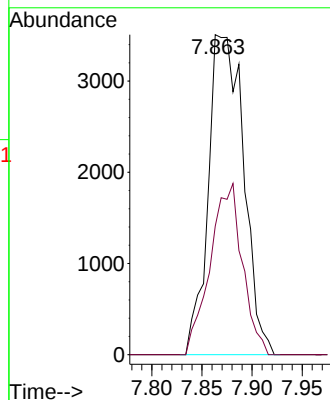
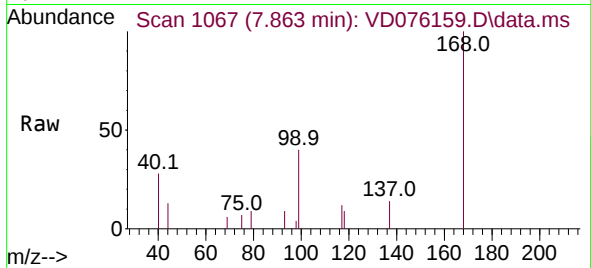




#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 7.863 min Scan# 10
Delta R.T. -0.012 min
Lab File: VD076159.D
Acq: 19 May 2023 16:11

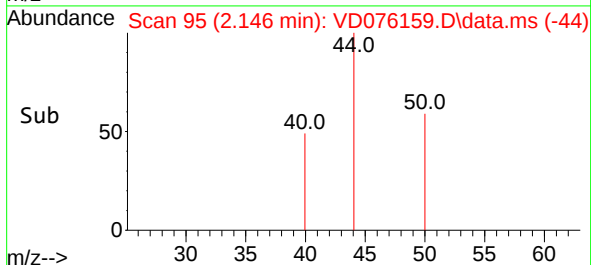
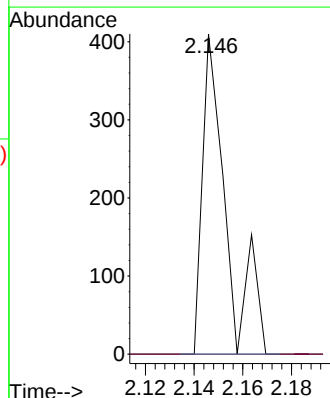
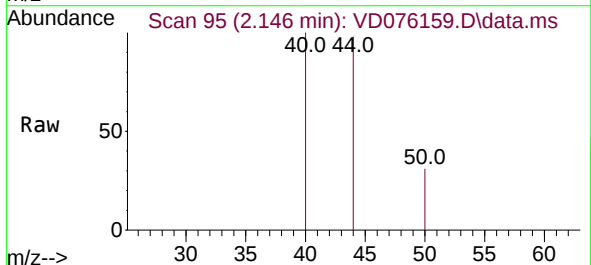
Instrument :
MSVOA_D
ClientSampleId :
TP1

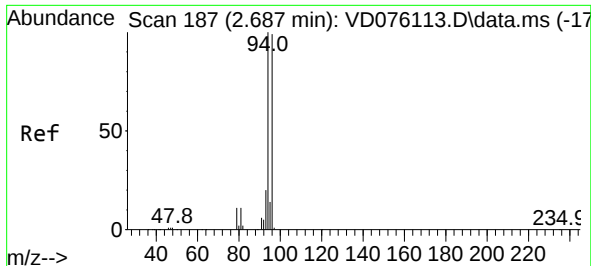
Tgt Ion:168 Resp: 8618
Ion Ratio Lower Upper
168 100
99 40.2 43.8 65.6#



#3
Chloromethane
Concen: Below Cal
RT: 2.146 min Scan# 95
Delta R.T. -0.000 min
Lab File: VD076159.D
Acq: 19 May 2023 16:11

Tgt Ion: 50 Resp: 279
Ion Ratio Lower Upper
50 100
52 0.0 27.8 41.8#

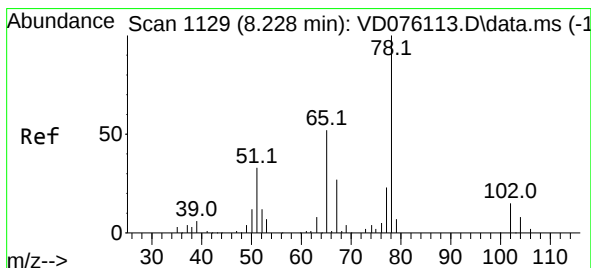
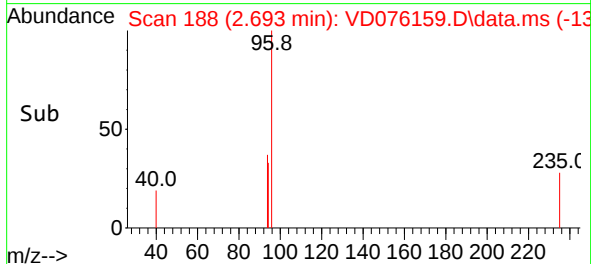
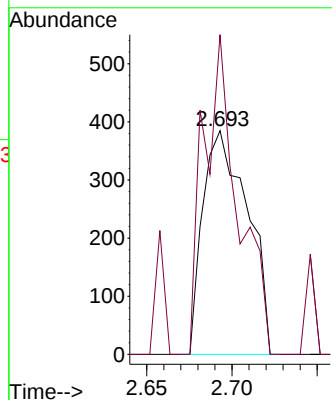
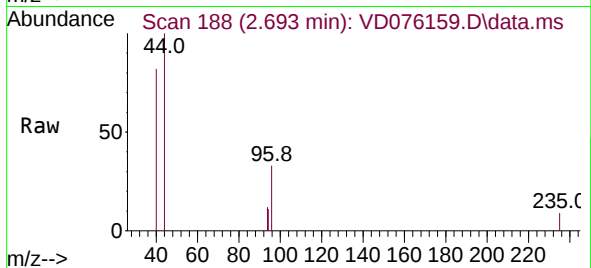




#5
Bromomethane
Concen: 6.238 ug/l
RT: 2.693 min Scan# 11
Delta R.T. 0.006 min
Lab File: VD076159.D
Acq: 19 May 2023 16:11

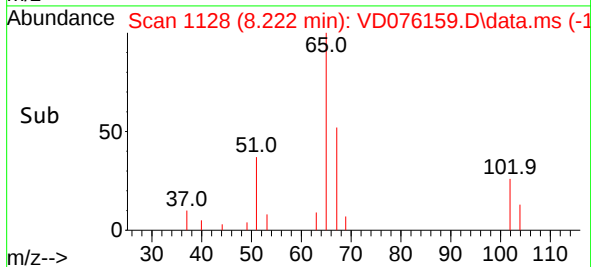
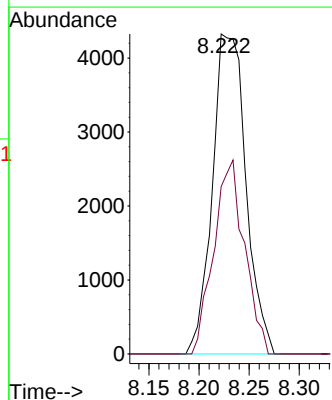
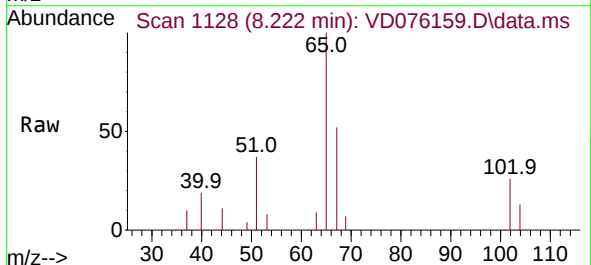
Instrument :
MSVOA_D
ClientSampleId :
TP1

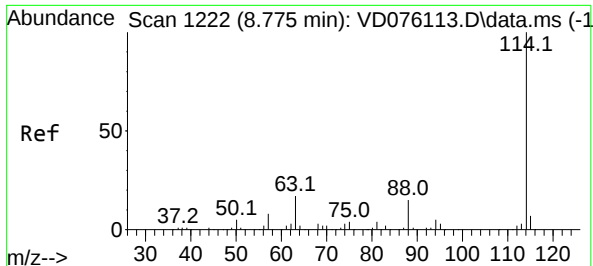
Tgt Ion: 94 Resp: 704
Ion Ratio Lower Upper
94 100
96 109.8 77.5 116.3



#33
1,2-Dichloroethane-d4
Concen: 120.854 ug/l
RT: 8.222 min Scan# 1128
Delta R.T. -0.012 min
Lab File: VD076159.D
Acq: 19 May 2023 16:11

Tgt Ion: 65 Resp: 10066
Ion Ratio Lower Upper
65 100
67 55.5 0.0 102.2





#34

1,4-Difluorobenzene

Concen: 50.000 ug/l

RT: 8.781 min Scan# 11

Delta R.T. 0.006 min

Lab File: VD076159.D

Acq: 19 May 2023 16:11

Instrument :

MSVOA_D

ClientSampleId :

TP1

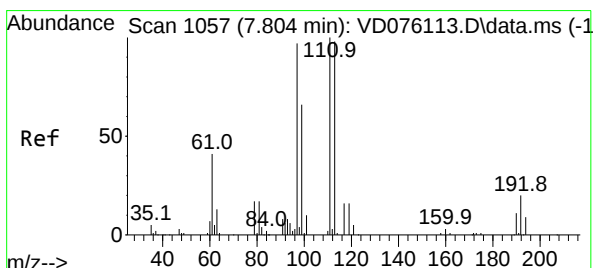
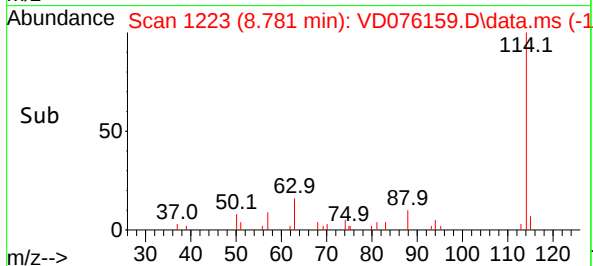
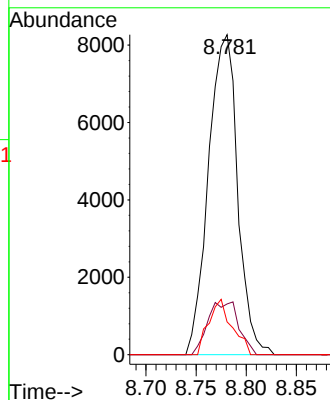
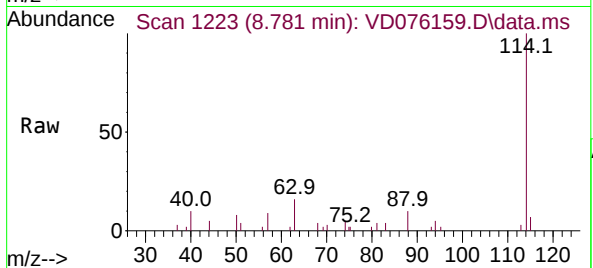
Tgt Ion:114 Resp: 16734

Ion Ratio Lower Upper

114 100

63 15.9 0.0 41.6

88 10.3 0.0 30.6



#35

Dibromofluoromethane

Concen: 85.858 ug/l

RT: 7.804 min Scan# 1057

Delta R.T. -0.001 min

Lab File: VD076159.D

Acq: 19 May 2023 16:11

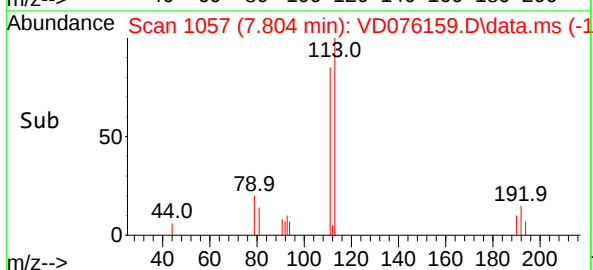
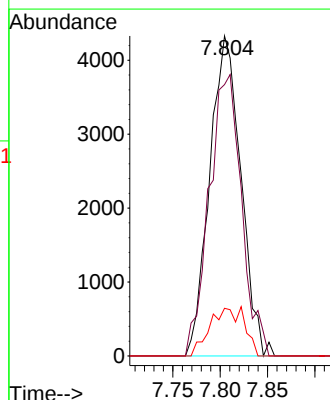
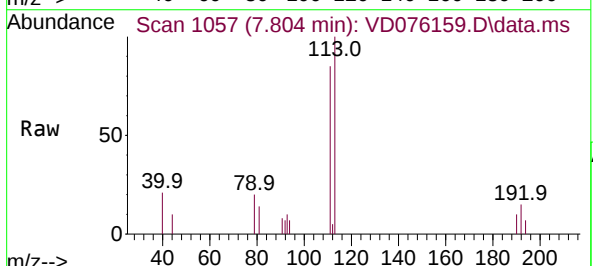
Tgt Ion:113 Resp: 9931

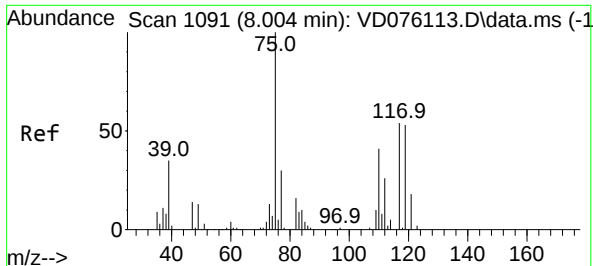
Ion Ratio Lower Upper

113 100

111 91.4 81.4 122.0

192 16.7 15.2 22.8





#36

1,1-Dichloropropene

Concen: 3.470 ug/l

RT: 7.869 min Scan# 1068

Delta R.T. -0.141 min

Lab File: VD076159.D

Acq: 19 May 2023 16:11

Instrument :

MSVOA_D

ClientSampleId :

TP1

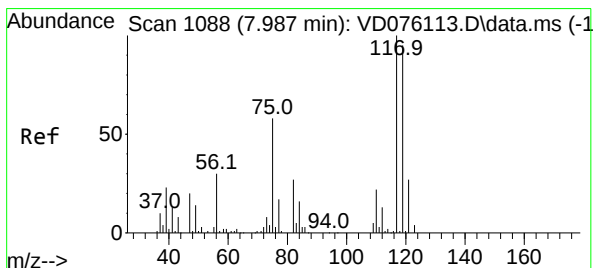
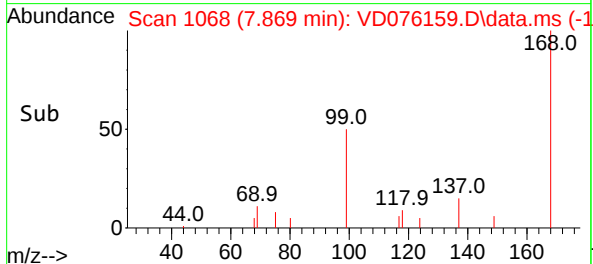
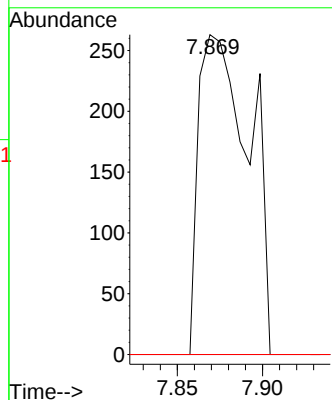
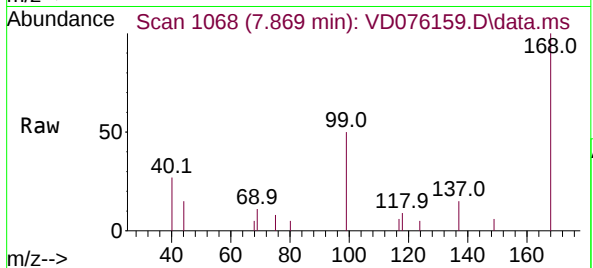
Tgt Ion: 75 Resp: 542

Ion Ratio Lower Upper

75 100

110 0.0 17.1 51.2#

77 0.0 24.6 36.8#



#38

Carbon Tetrachloride

Concen: 5.882 ug/l

RT: 7.875 min Scan# 1069

Delta R.T. -0.118 min

Lab File: VD076159.D

Acq: 19 May 2023 16:11

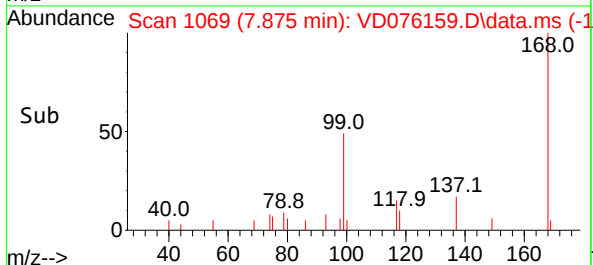
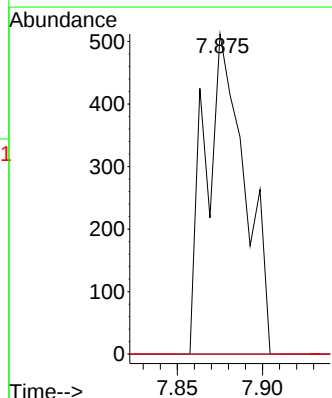
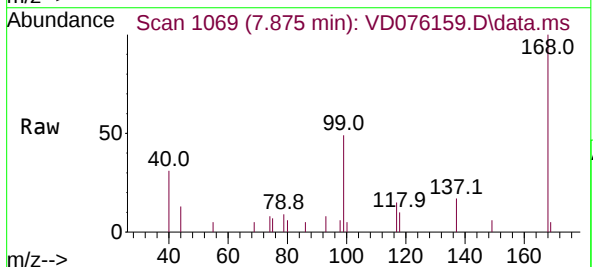
Tgt Ion: 117 Resp: 830

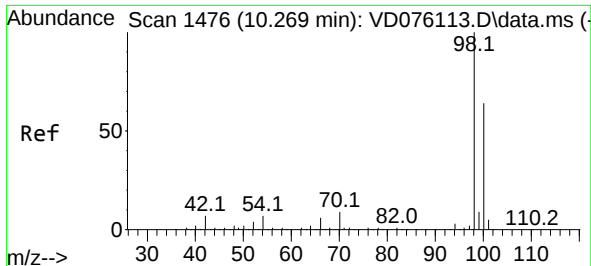
Ion Ratio Lower Upper

117 100

119 0.0 74.7 112.1#

121 0.0 25.9 38.9#

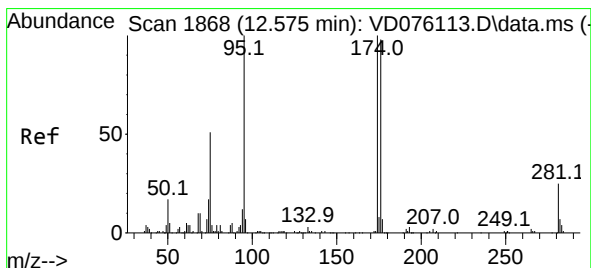
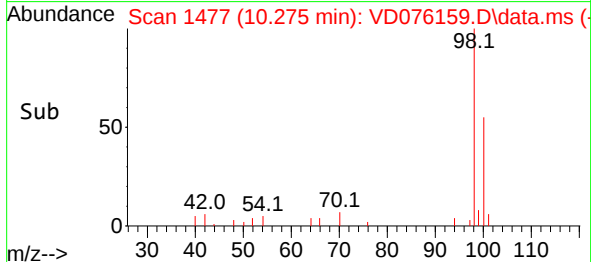
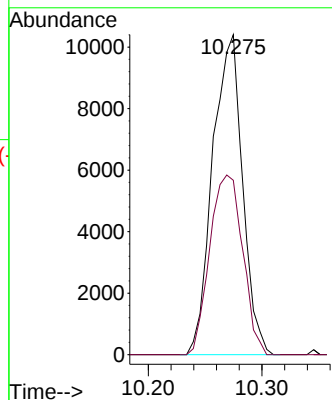
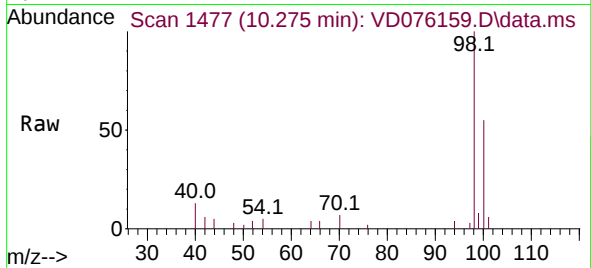




#50
Toluene-d8
Concen: 42.142 ug/l
RT: 10.275 min Scan# 1476
Delta R.T. 0.006 min
Lab File: VD076159.D
Acq: 19 May 2023 16:11

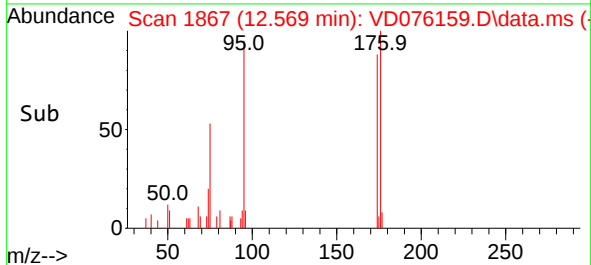
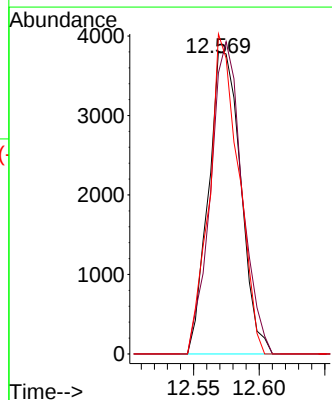
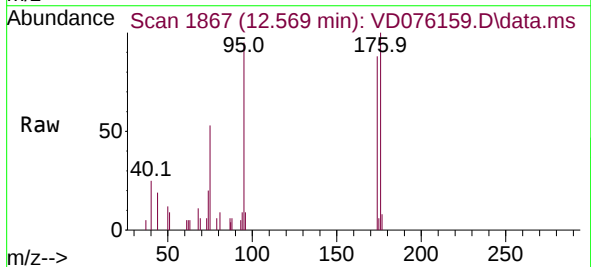
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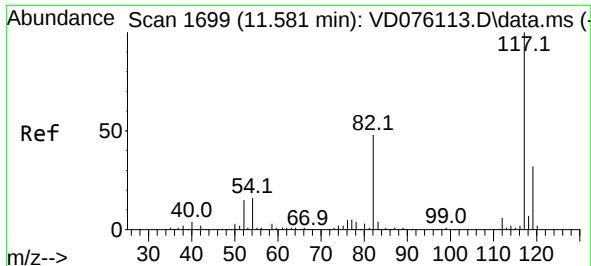
Tgt Ion: 98 Resp: 19002
Ion Ratio Lower Upper
98 100
100 61.9 52.1 78.1



#62
4-Bromofluorobenzene
Concen: 51.894 ug/l
RT: 12.569 min Scan# 1867
Delta R.T. -0.006 min
Lab File: VD076159.D
Acq: 19 May 2023 16:11

Tgt Ion: 95 Resp: 6500
Ion Ratio Lower Upper
95 100
174 101.0 0.0 164.0
176 96.5 0.0 156.8

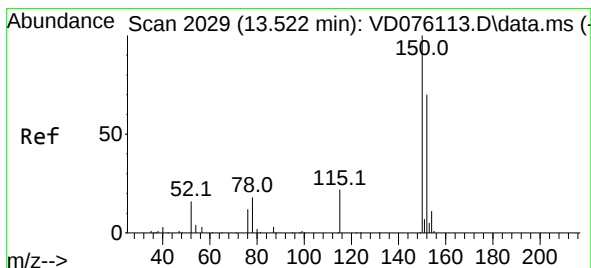
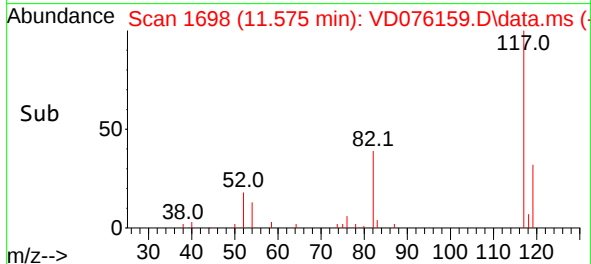
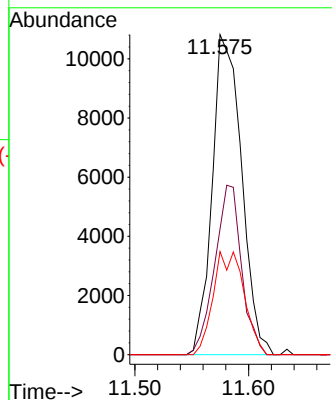
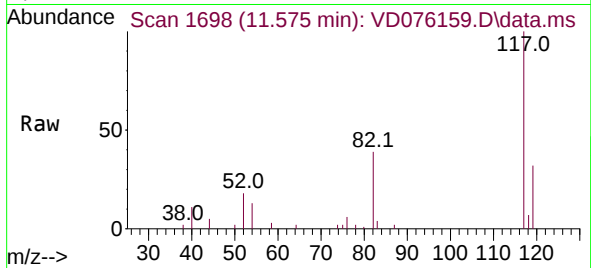




#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.575 min Scan# 1
Delta R.T. -0.006 min
Lab File: VD076159.D
Acq: 19 May 2023 16:11

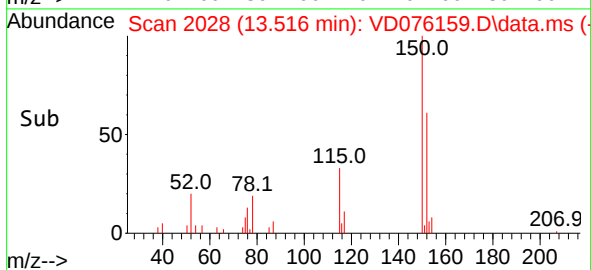
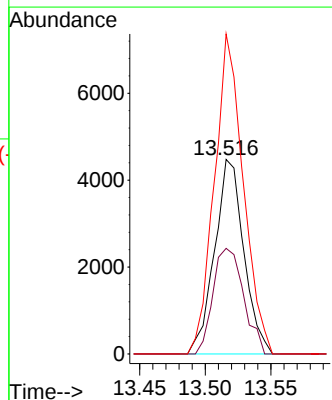
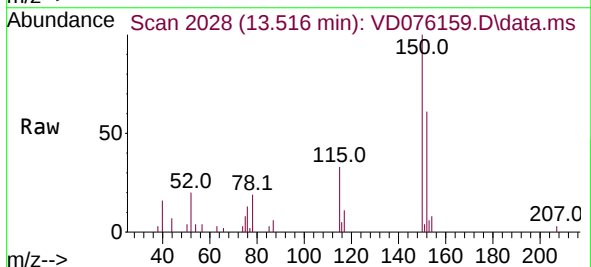
Instrument :
MSVOA_D
ClientSampleId :
TP1

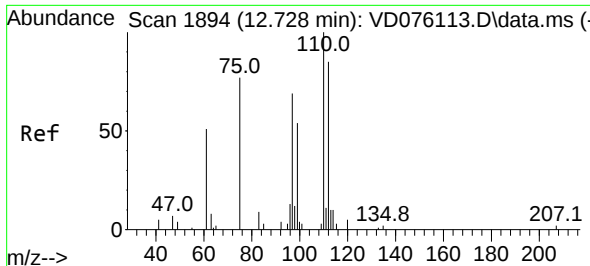
Tgt Ion:117 Resp: 19454
Ion Ratio Lower Upper
117 100
82 39.3 44.0 66.0#
119 32.2 25.1 37.7



#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 13.516 min Scan# 2028
Delta R.T. -0.006 min
Lab File: VD076159.D
Acq: 19 May 2023 16:11

Tgt Ion:152 Resp: 6942
Ion Ratio Lower Upper
152 100
115 56.6 30.1 90.3
150 162.6 0.0 364.8

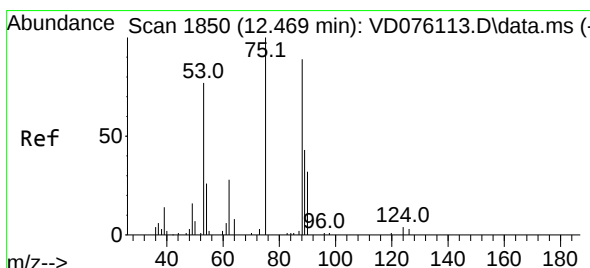
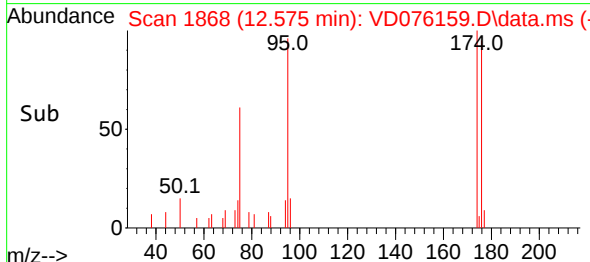
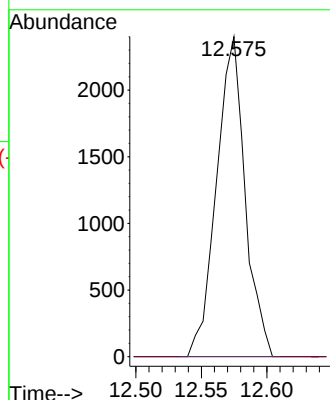
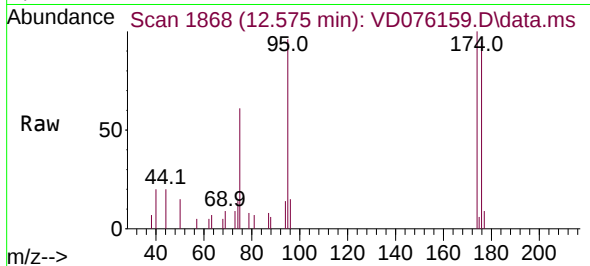




#76
1,2,3-Trichloropropane
Concen: 59.788 ug/l
RT: 12.575 min Scan# 1868
Delta R.T. -0.153 min
Lab File: VD076159.D
Acq: 19 May 2023 16:11

Instrument :
MSVOA_D
ClientSampleId :
TP1

Tgt Ion: 75 Resp: 3632
Ion Ratio Lower Upper
75 100
77 0.0 0.0 0.0



#81
trans-1,4-Dichloro-2-butene
Concen: 125.424 ug/l
RT: 12.575 min Scan# 1868
Delta R.T. 0.100 min
Lab File: VD076159.D
Acq: 19 May 2023 16:11

Tgt Ion: 75 Resp: 3632
Ion Ratio Lower Upper
75 100
53 0.0 90.5 135.7#
89 0.0 40.2 60.4#

