

Data Path : Z:\voasrv\HPCHEM1\MSVOA_D\Data\VD051923\
 Data File : VD076158.D
 Acq On : 19 May 2023 15:41
 Operator : KP/SY
 Sample : 02847-01
 Misc : 5.09G/5.01ml/MSVOA_D/SOIL
 ALS Vial : 12 Sample Multiplier: 1

Instrument :
 MSVOA_D
 ClientSampleId :
 TR-04-051823

Quant Time: May 22 01:29:49 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)

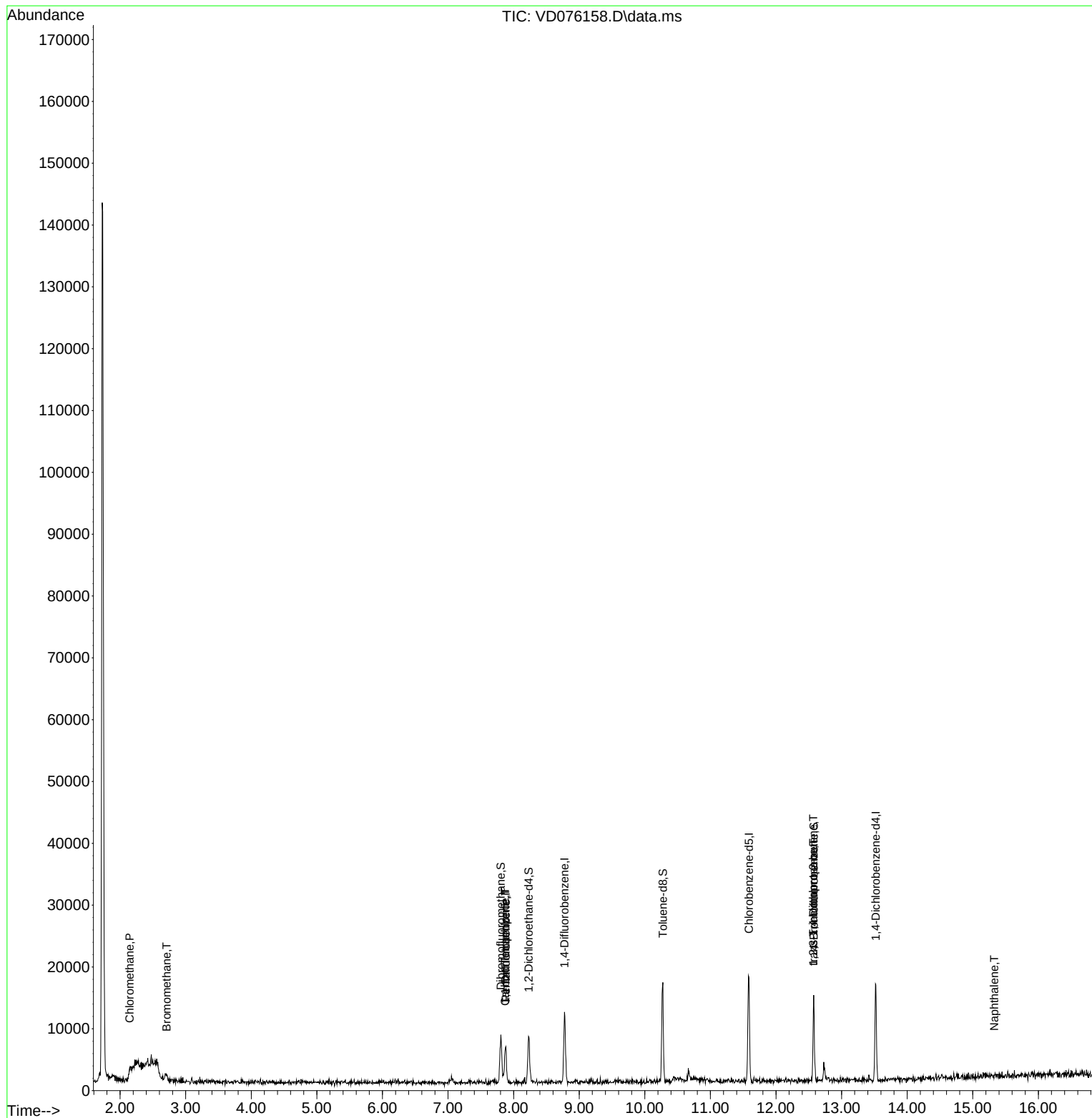
Internal Standards						
1) Pentafluorobenzene	7.881	168	5848	50.000	ug/l	# 0.00
34) 1,4-Difluorobenzene	8.775	114	12215	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.587	117	12940	50.000	ug/l	# 0.00
72) 1,4-Dichlorobenzene-d4	13.522	152	4902	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.228	65	6498	114.969	ug/l	0.00
Spiked Amount	50.000	Range	50 - 163	Recovery	= 229.940%#	
35) Dibromofluoromethane	7.805	113	5487	64.987	ug/l	0.00
Spiked Amount	50.000	Range	54 - 147	Recovery	= 129.980%	
50) Toluene-d8	10.275	98	12455	37.841	ug/l	0.00
Spiked Amount	50.000	Range	58 - 134	Recovery	= 75.680%	
62) 4-Bromofluorobenzene	12.575	95	4128	45.149	ug/l	0.00
Spiked Amount	50.000	Range	30 - 143	Recovery	= 90.300%	
Target Compounds						
					Qvalue	
3) Chloromethane	2.146	50	487	1.298	ug/l #	61
5) Bromomethane	2.711	94	895	11.687	ug/l	88
36) 1,1-Dichloropropene	7.875	75	399	3.499	ug/l #	42
38) Carbon Tetrachloride	7.869	117	346	3.359	ug/l #	13
76) 1,2,3-Trichloropropane	12.569	75	2218	51.706	ug/l #	100
81) trans-1,4-Dichloro-2-b...	12.569	75	2218	108.470	ug/l #	5
95) Naphthalene	15.328	128	367	2.202	ug/l #	69

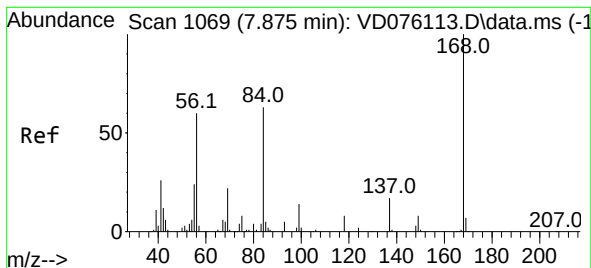
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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Quant Title : SW846 8260
QLast Update : Tue May 16 10:08:53 2023
Response via : Initial Calibration





#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 7.881 min Scan# 10

Delta R.T. 0.006 min

Lab File: VD076158.D

Acq: 19 May 2023 15:41

Instrument :

MSVOA_D

ClientSampleId :

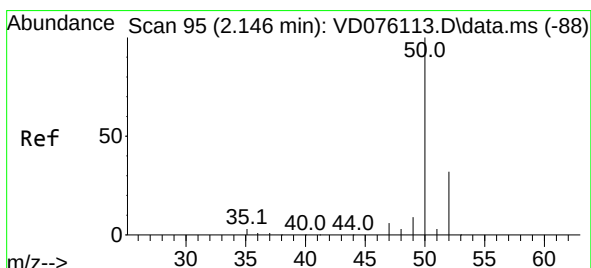
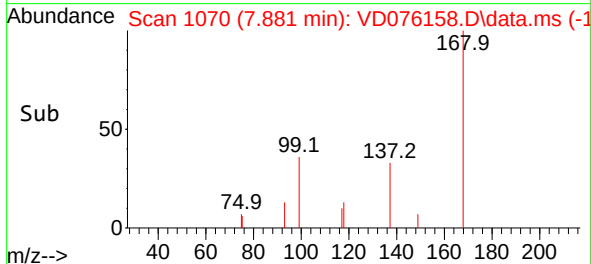
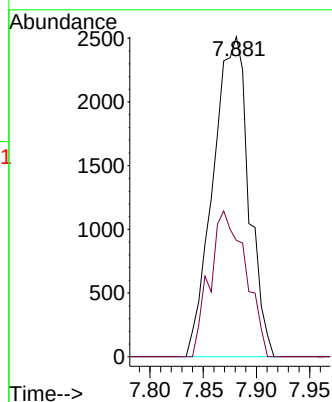
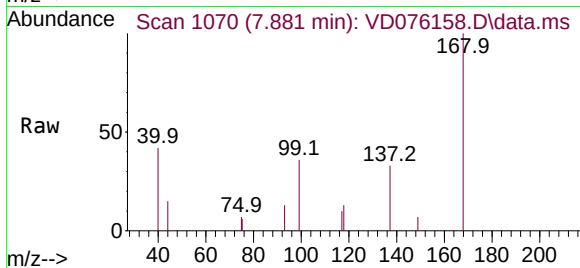
TR-04-051823

Tgt Ion:168 Resp: 5848

Ion Ratio Lower Upper

168 100

99 36.4 43.8 65.6#



#3

Chloromethane

Concen: 1.298 ug/l

RT: 2.146 min Scan# 95

Delta R.T. 0.000 min

Lab File: VD076158.D

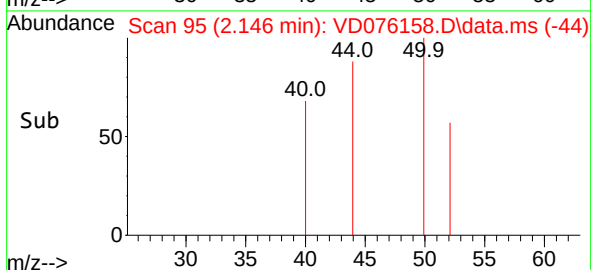
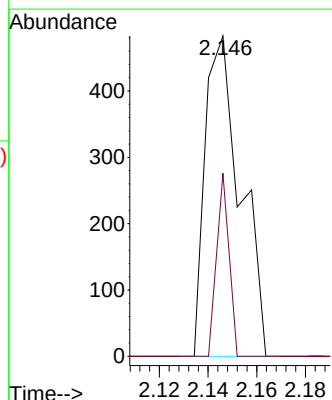
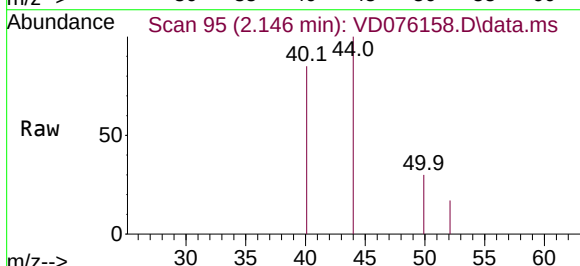
Acq: 19 May 2023 15:41

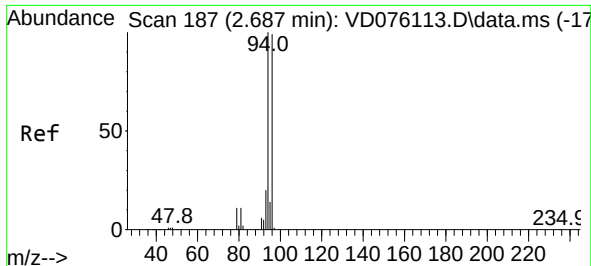
Tgt Ion: 50 Resp: 487

Ion Ratio Lower Upper

50 100

52 57.1 27.8 41.8#

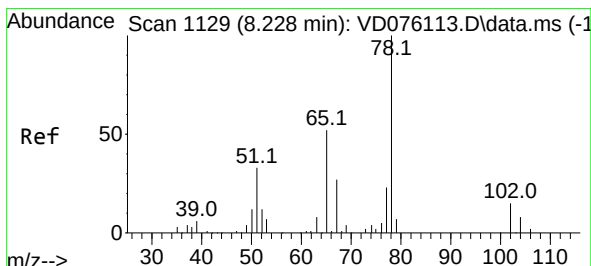
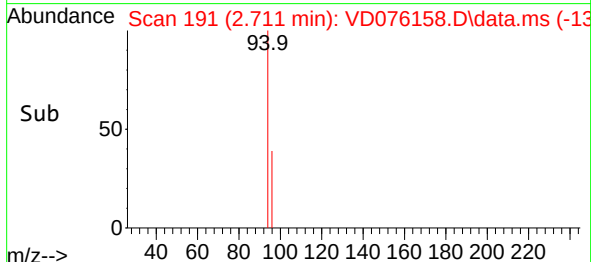
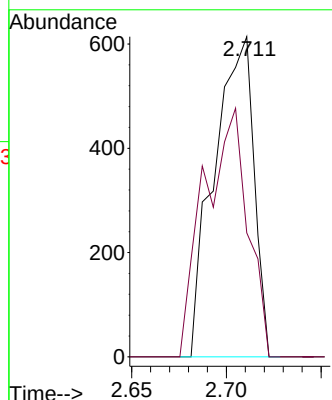
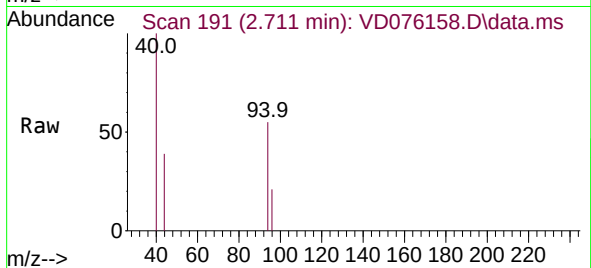




#5
Bromomethane
Concen: 11.687 ug/l
RT: 2.711 min Scan# 191
Delta R.T. 0.024 min
Lab File: VD076158.D
Acq: 19 May 2023 15:41

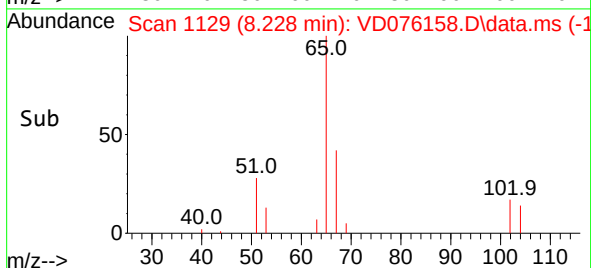
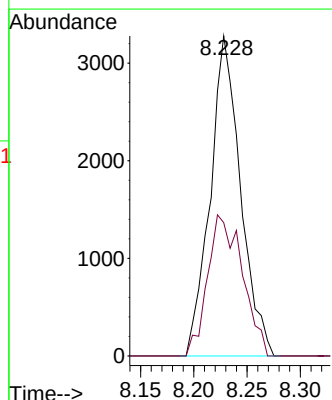
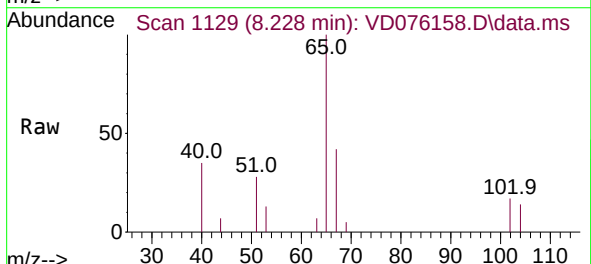
Instrument :
MSVOA_D
ClientSampleId :
TR-04-051823

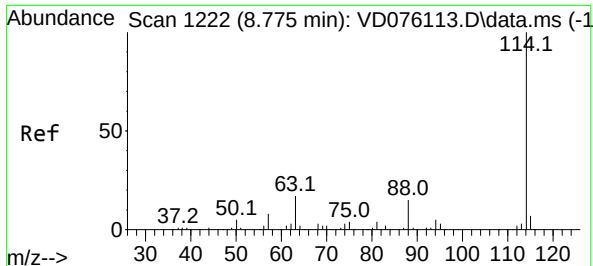
Tgt Ion: 94 Resp: 895
Ion Ratio Lower Upper
94 100
96 84.9 77.5 116.3



#33
1,2-Dichloroethane-d4
Concen: 114.969 ug/l
RT: 8.228 min Scan# 1129
Delta R.T. -0.006 min
Lab File: VD076158.D
Acq: 19 May 2023 15:41

Tgt Ion: 65 Resp: 6498
Ion Ratio Lower Upper
65 100
67 50.6 0.0 102.2





#34

1,4-Difluorobenzene

Concen: 50.000 ug/l

RT: 8.775 min Scan# 1

Delta R.T. 0.000 min

Lab File: VD076158.D

Acq: 19 May 2023 15:41

Instrument :

MSVOA_D

ClientSampleId :

TR-04-051823

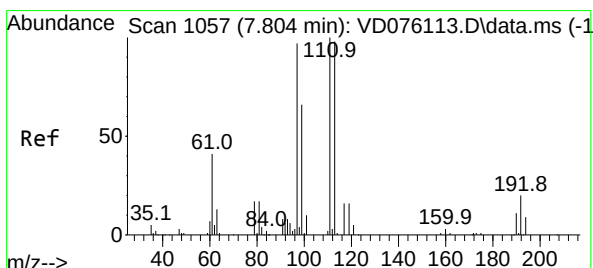
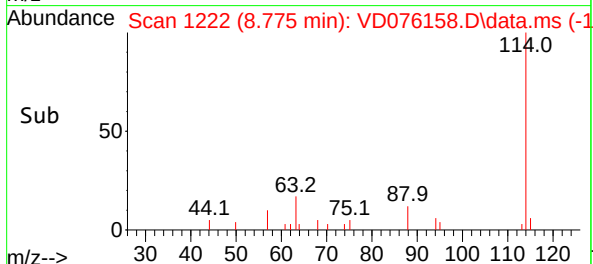
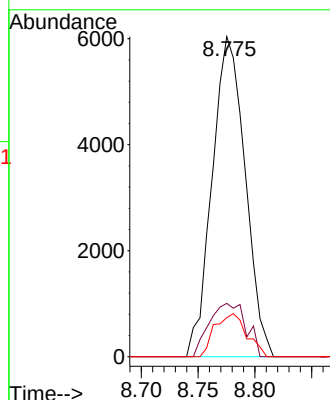
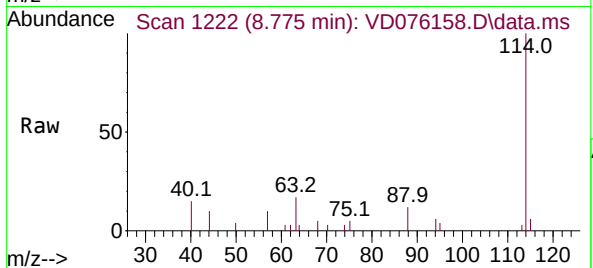
Tgt Ion:114 Resp: 12215

Ion Ratio Lower Upper

114 100

63 16.7 0.0 41.6

88 12.2 0.0 30.6



#35

Dibromofluoromethane

Concen: 64.987 ug/l

RT: 7.805 min Scan# 1057

Delta R.T. -0.000 min

Lab File: VD076158.D

Acq: 19 May 2023 15:41

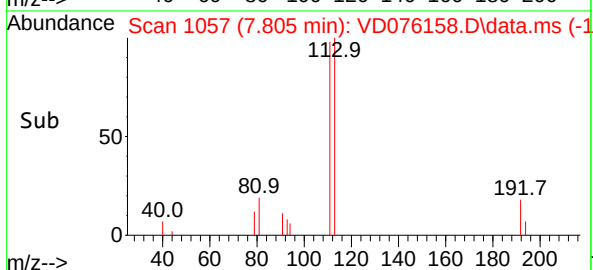
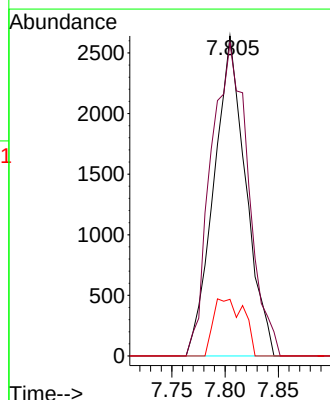
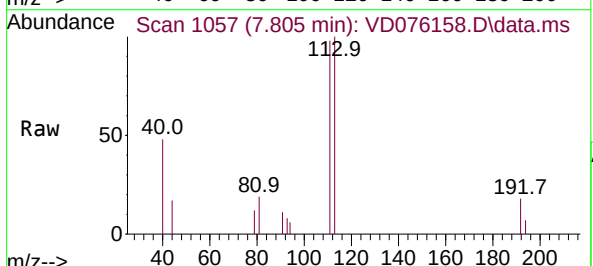
Tgt Ion:113 Resp: 5487

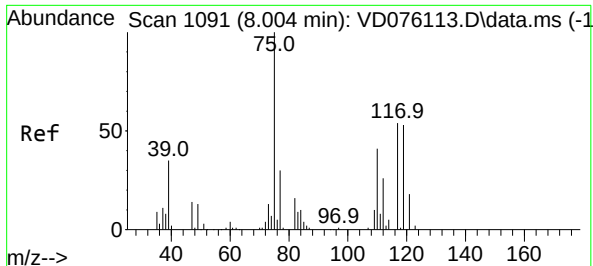
Ion Ratio Lower Upper

113 100

111 114.2 81.4 122.0

192 17.0 15.2 22.8





#36

1,1-Dichloropropene

Concen: 3.499 ug/l

RT: 7.875 min Scan# 1069

Delta R.T. -0.135 min

Lab File: VD076158.D

Acq: 19 May 2023 15:41

Instrument :

MSVOA_D

ClientSampleId :

TR-04-051823

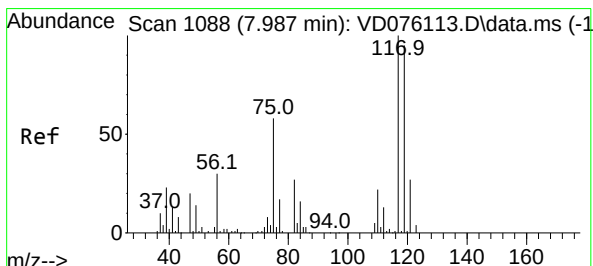
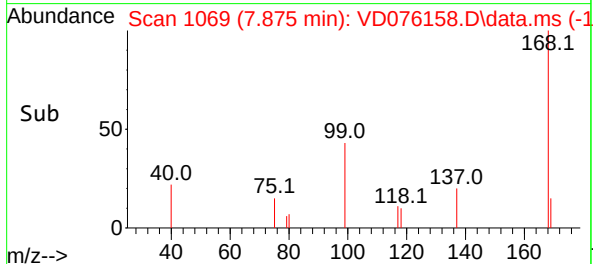
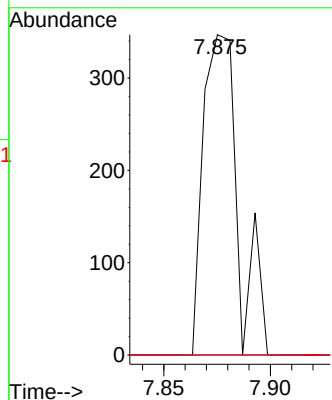
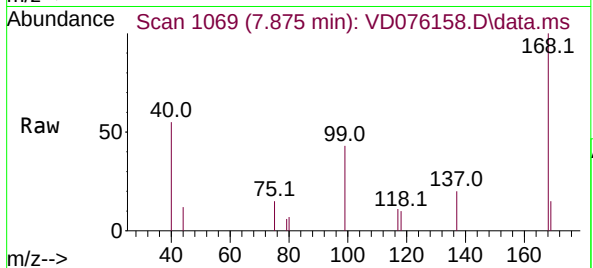
Tgt Ion: 75 Resp: 399

Ion Ratio Lower Upper

75 100

110 0.0 17.1 51.2#

77 0.0 24.6 36.8#



#38

Carbon Tetrachloride

Concen: 3.359 ug/l

RT: 7.869 min Scan# 1068

Delta R.T. -0.124 min

Lab File: VD076158.D

Acq: 19 May 2023 15:41

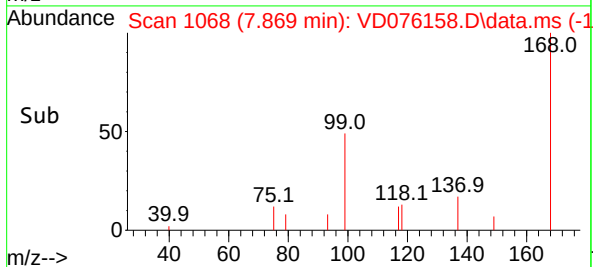
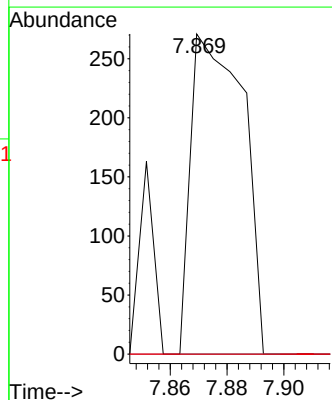
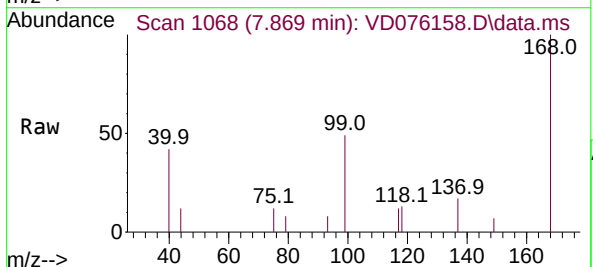
Tgt Ion: 117 Resp: 346

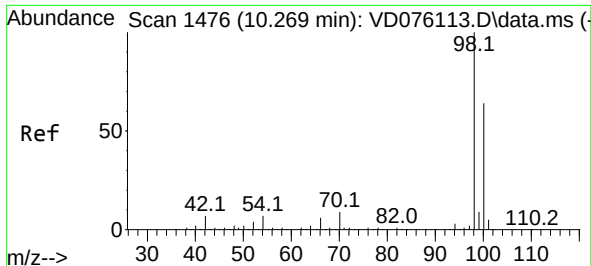
Ion Ratio Lower Upper

117 100

119 0.0 74.7 112.1#

121 0.0 25.9 38.9#

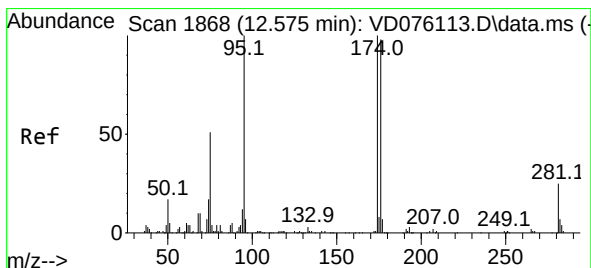
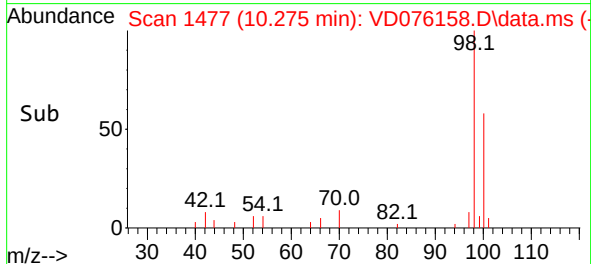
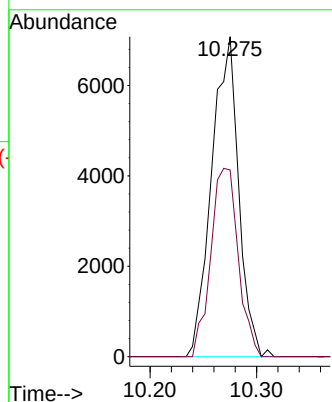
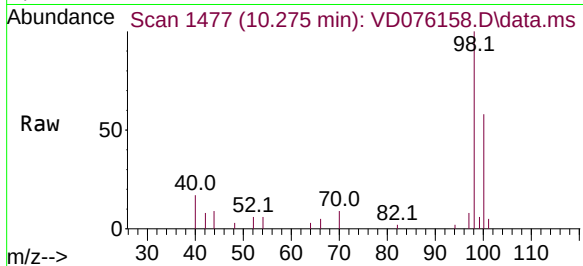




#50
Toluene-d8
Concen: 37.841 ug/l
RT: 10.275 min Scan# 1476
Delta R.T. 0.006 min
Lab File: VD076158.D
Acq: 19 May 2023 15:41

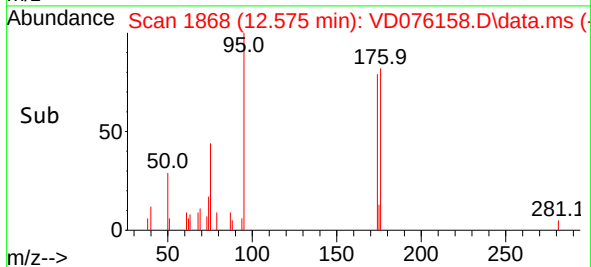
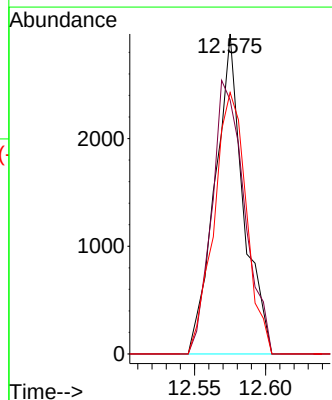
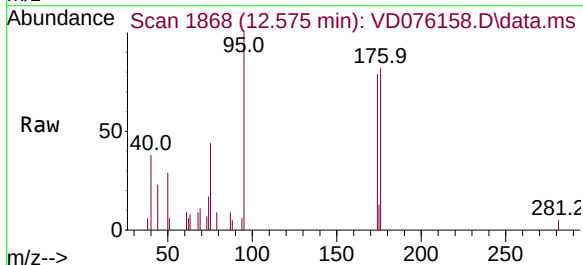
Instrument :
MSVOA_D
ClientSampleId :
TR-04-051823

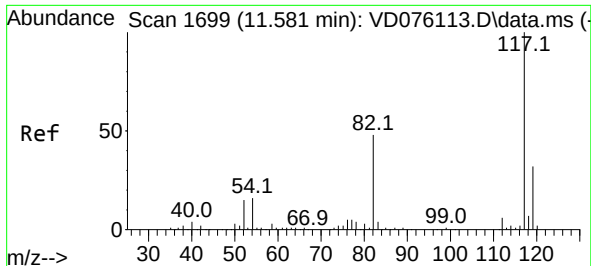
Tgt Ion: 98 Resp: 12455
Ion Ratio Lower Upper
98 100
100 60.0 52.1 78.1



#62
4-Bromofluorobenzene
Concen: 45.149 ug/l
RT: 12.575 min Scan# 1868
Delta R.T. -0.000 min
Lab File: VD076158.D
Acq: 19 May 2023 15:41

Tgt Ion: 95 Resp: 4128
Ion Ratio Lower Upper
95 100
174 98.7 0.0 164.0
176 93.1 0.0 156.8





#63

Chlorobenzene-d5

Concen: 50.000 ug/l

RT: 11.587 min Scan# 11

Delta R.T. 0.006 min

Lab File: VD076158.D

Acq: 19 May 2023 15:41

Instrument :

MSVOA_D

ClientSampleId :

TR-04-051823

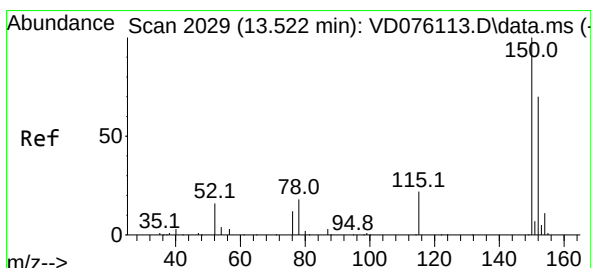
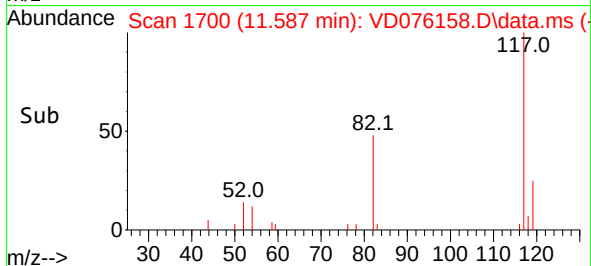
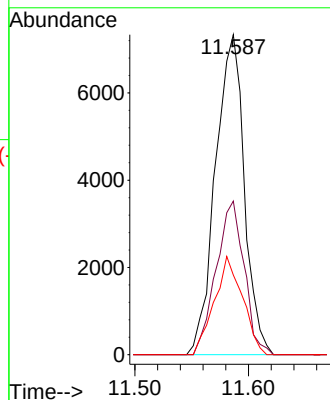
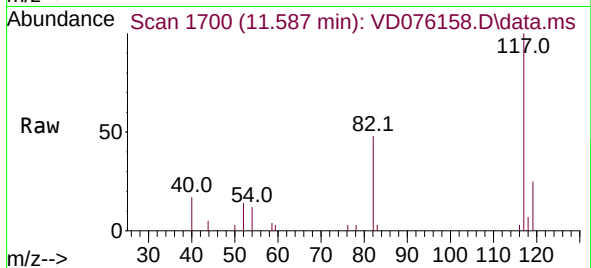
Tgt Ion:117 Resp: 12940

Ion Ratio Lower Upper

117 100

82 48.0 44.0 66.0

119 24.9 25.1 37.7#



#72

1,4-Dichlorobenzene-d4

Concen: 50.000 ug/l

RT: 13.522 min Scan# 2029

Delta R.T. -0.000 min

Lab File: VD076158.D

Acq: 19 May 2023 15:41

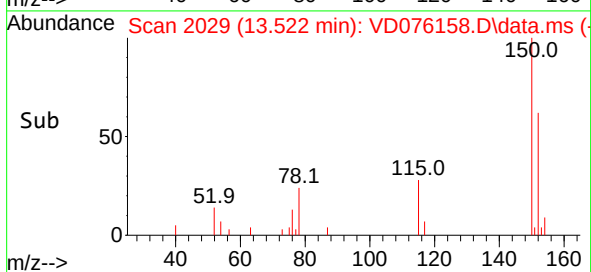
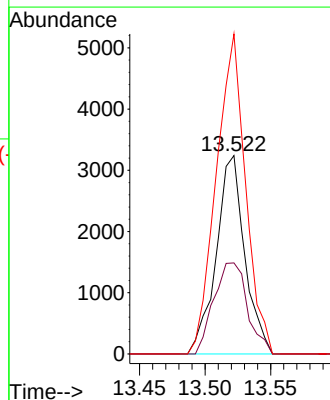
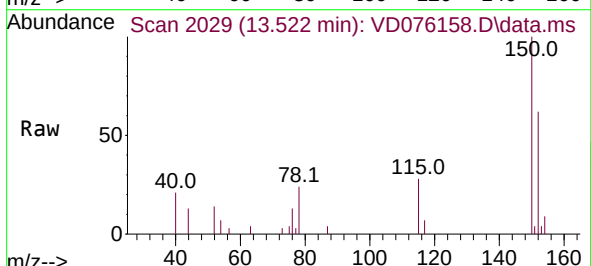
Tgt Ion:152 Resp: 4902

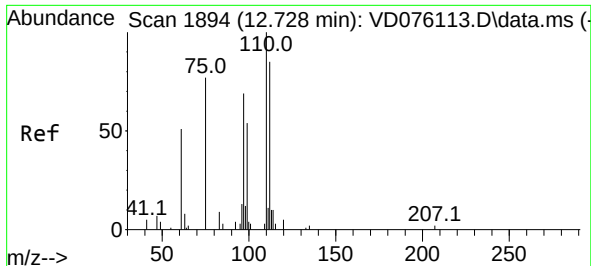
Ion Ratio Lower Upper

152 100

115 54.1 30.1 90.3

150 165.6 0.0 364.8

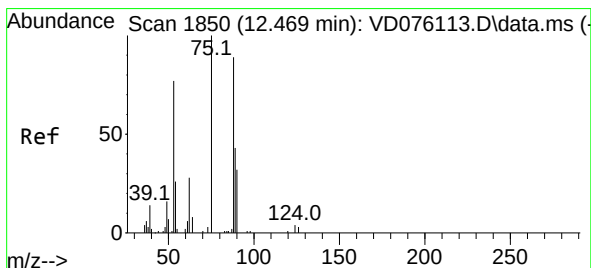
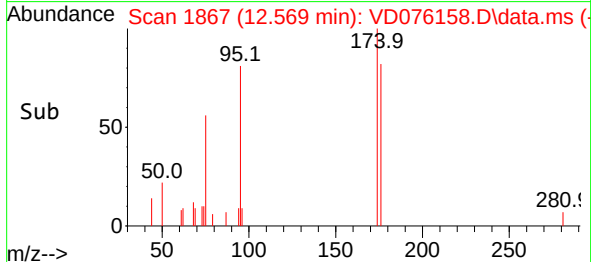
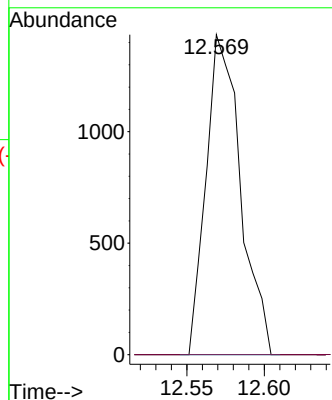
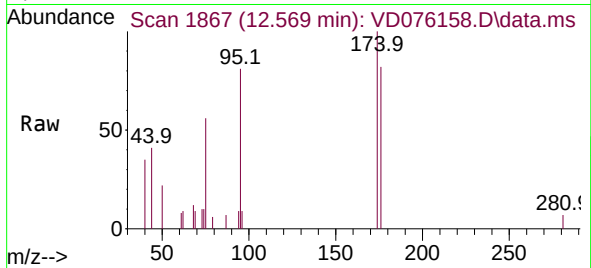




#76
1,2,3-Trichloropropane
Concen: 51.706 ug/l
RT: 12.569 min Scan# 1867
Delta R.T. -0.159 min
Lab File: VD076158.D
Acq: 19 May 2023 15:41

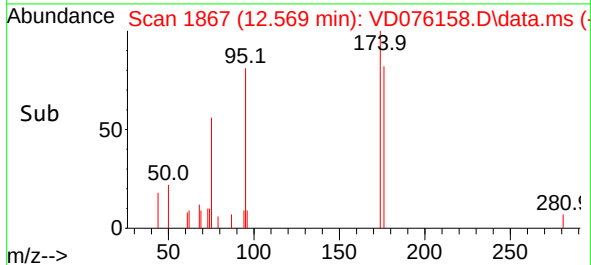
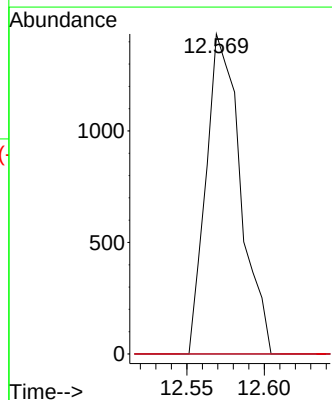
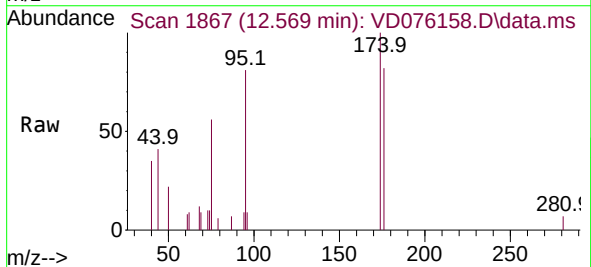
Instrument :
MSVOA_D
ClientSampleId :
TR-04-051823

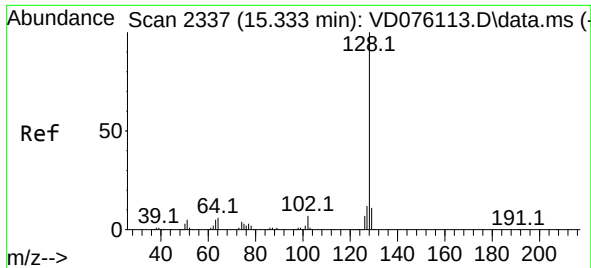
Tgt Ion: 75 Resp: 2218
Ion Ratio Lower Upper
75 100
77 0.0 0.0 0.0



#81
trans-1,4-Dichloro-2-butene
Concen: 108.470 ug/l
RT: 12.569 min Scan# 1867
Delta R.T. 0.094 min
Lab File: VD076158.D
Acq: 19 May 2023 15:41

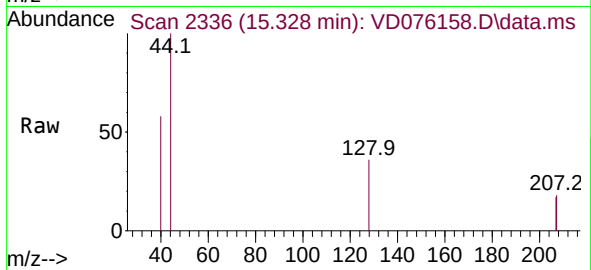
Tgt Ion: 75 Resp: 2218
Ion Ratio Lower Upper
75 100
53 0.0 90.5 135.7#
89 0.0 40.2 60.4#





#95
Naphthalene
Concen: 2.202 ug/l
RT: 15.328 min Scan# 21
Delta R.T. -0.006 min
Lab File: VD076158.D
Acq: 19 May 2023 15:41

Instrument :
MSVOA_D
ClientSampleId :
TR-04-051823



Tgt Ion:128 Resp: 367
Ion Ratio Lower Upper
128 100
127 0.0 10.4 15.6#
129 0.0 8.8 13.2#

