

Data Path : Z:\voasrv\HPCHEM1\MSVOA_D\Data\VD052523\
 Data File : VD076239.D
 Acq On : 25 May 2023 18:08
 Operator : KP/SY
 Sample : 02868-11RE
 Misc : 5.46G/5.00ml/MSVOA_D/SOIL
 ALS Vial : 15 Sample Multiplier: 1

Instrument :
 MSVOA_D
 ClientSampleId :
 TP12RE

Quant Time: May 26 02:00:53 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)

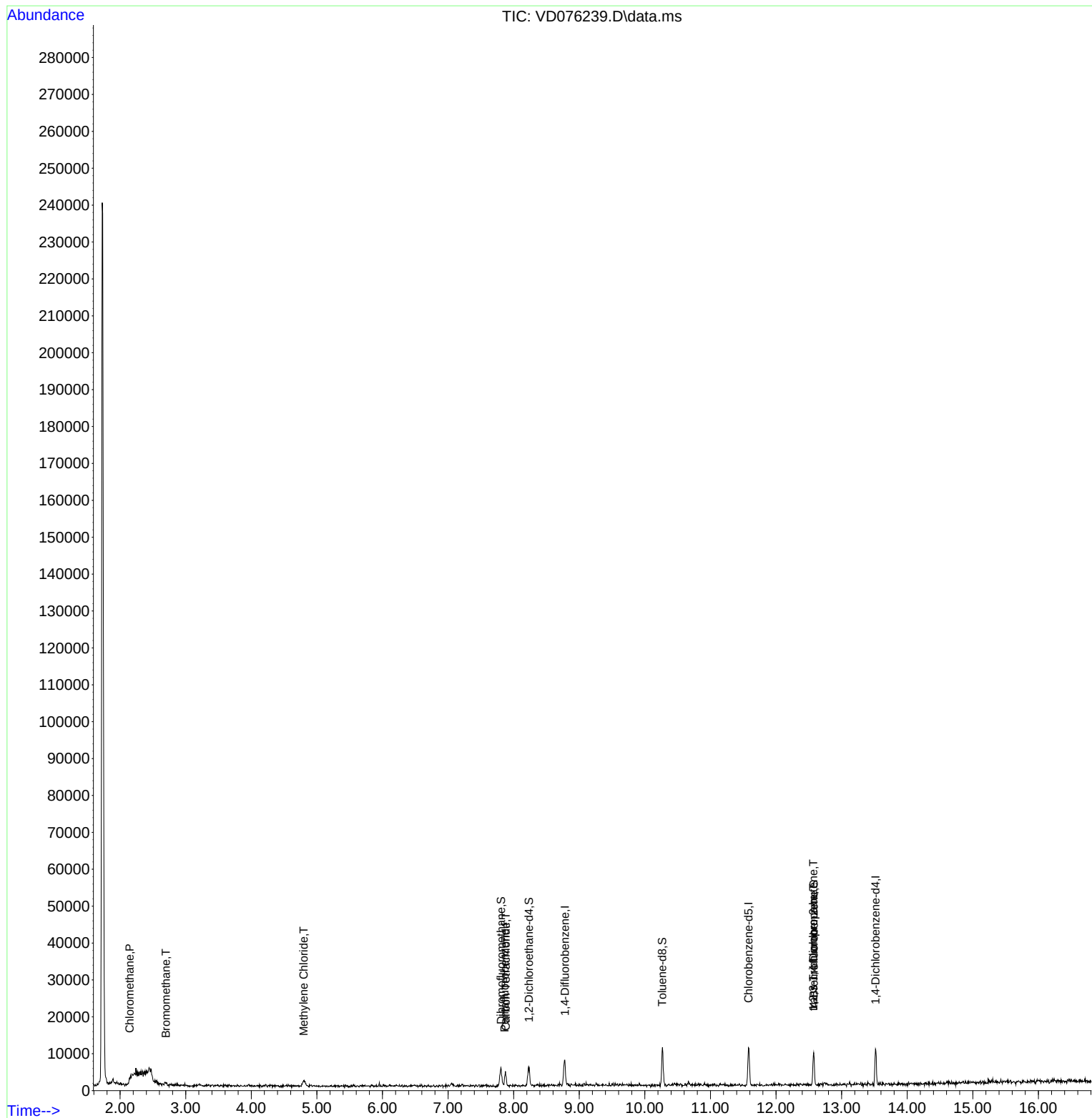
Internal Standards						
1) Pentafluorobenzene	7.863	168	3677	50.000	ug/l	#-0.01
34) 1,4-Difluorobenzene	8.781	114	8226	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.581	117	7560	50.000	ug/l	# 0.00
72) 1,4-Dichlorobenzene-d4	13.516	152	3263	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.234	65	4056	114.134	ug/l	0.00
Spiked Amount	50.000	Range	50 - 163	Recovery	= 228.260%#	
35) Dibromofluoromethane	7.810	113	3705	65.161	ug/l	0.00
Spiked Amount	50.000	Range	54 - 147	Recovery	= 130.320%	
50) Toluene-d8	10.263	98	8157	36.801	ug/l	0.00
Spiked Amount	50.000	Range	58 - 134	Recovery	= 73.600%	
62) 4-Bromofluorobenzene	12.575	95	3539	57.477	ug/l	0.00
Spiked Amount	50.000	Range	30 - 143	Recovery	= 114.960%	
Target Compounds						Qvalue
3) Chloromethane	2.146	50	640	8.024	ug/l #	40
5) Bromomethane	2.699	94	535	11.111	ug/l #	78
20) Methylene Chloride	4.799	84	1043	11.531	ug/l #	68
38) Carbon Tetrachloride	7.881	117	226	3.258	ug/l #	13
76) 1,2,3-Trichloropropane	12.569	75	1574	55.124	ug/l #	100
81) trans-1,4-Dichloro-2-b...	12.569	75	1574	115.640	ug/l #	5

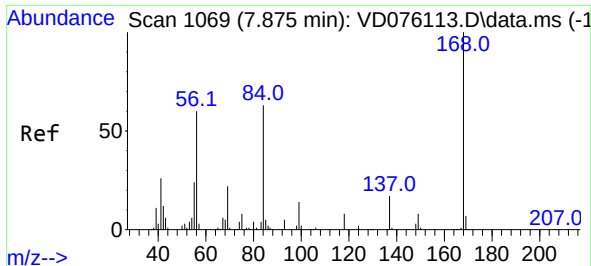
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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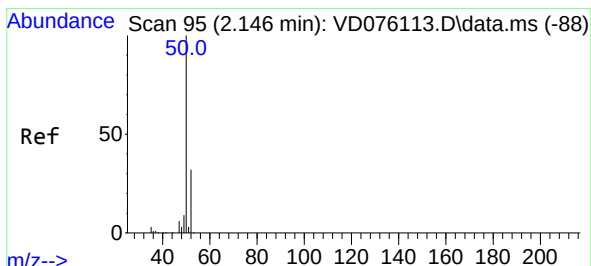
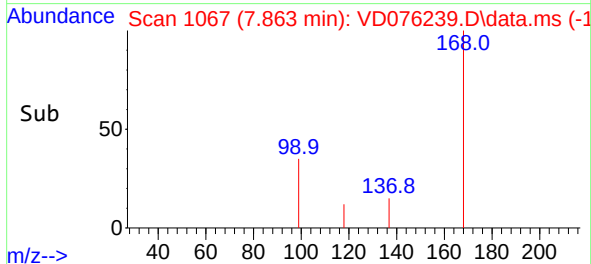
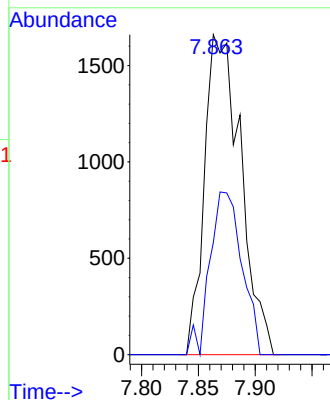
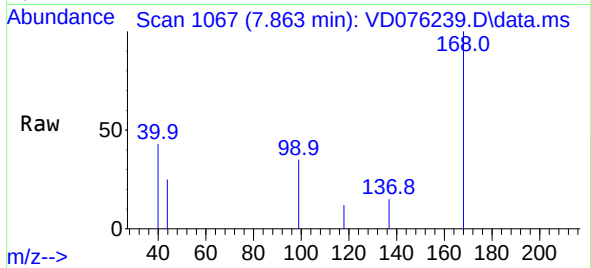




#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 7.863 min Scan# 1067
Delta R.T. -0.012 min
Lab File: VD076239.D
Acq: 25 May 2023 18:08

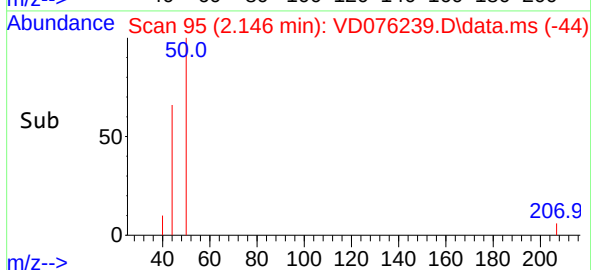
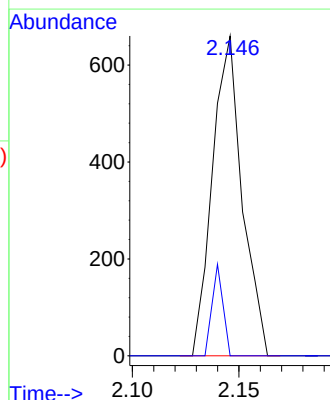
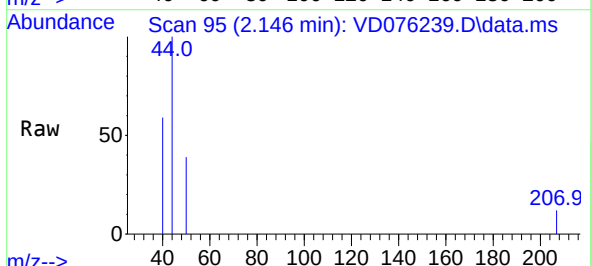
Instrument :
MSVOA_D
ClientSampleId :
TP12RE

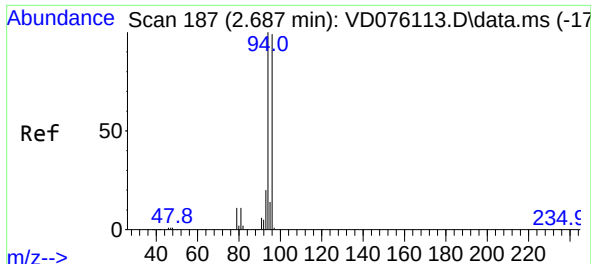
Tgt Ion:168 Resp: 3677
Ion Ratio Lower Upper
168 100
99 35.0 43.8 65.6#



#3
Chloromethane
Concen: 8.024 ug/l
RT: 2.146 min Scan# 95
Delta R.T. -0.000 min
Lab File: VD076239.D
Acq: 25 May 2023 18:08

Tgt Ion: 50 Resp: 640
Ion Ratio Lower Upper
50 100
52 0.0 27.8 41.8#

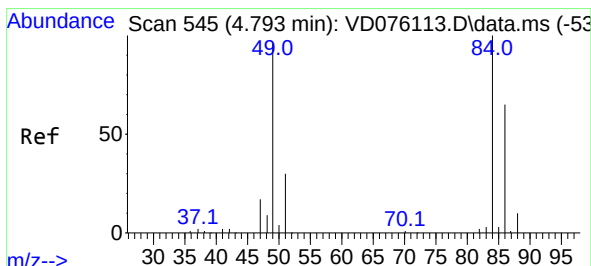
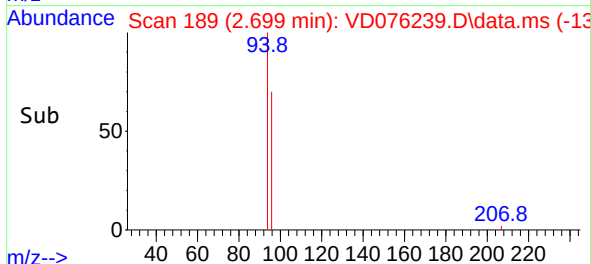
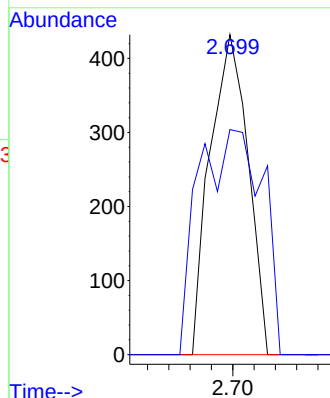
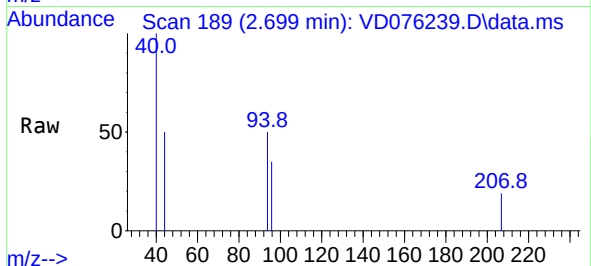




#5
Bromomethane
Concen: 11.111 ug/l
RT: 2.699 min Scan# 11
Delta R.T. 0.012 min
Lab File: VD076239.D
Acq: 25 May 2023 18:08

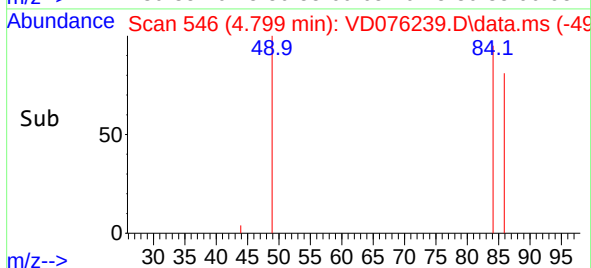
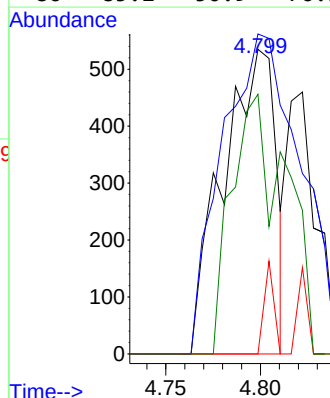
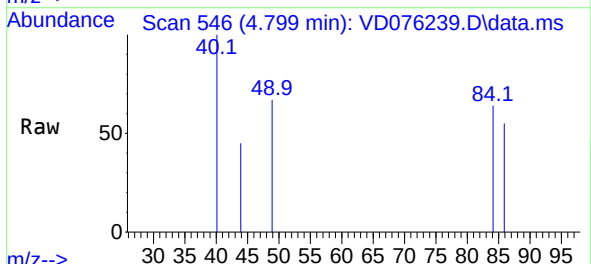
Instrument :
MSVOA_D
ClientSampleId :
TP12RE

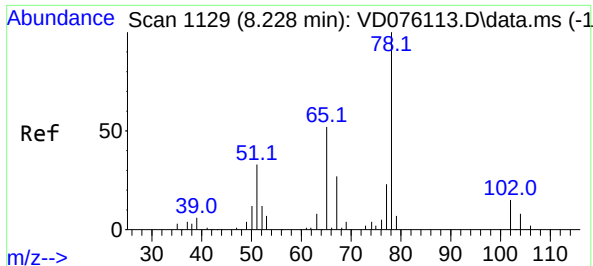
Tgt Ion: 94 Resp: 535
Ion Ratio Lower Upper
94 100
96 118.9 77.5 116.3#



#20
Methylene Chloride
Concen: 11.531 ug/l
RT: 4.799 min Scan# 546
Delta R.T. -0.000 min
Lab File: VD076239.D
Acq: 25 May 2023 18:08

Tgt Ion: 84 Resp: 1043
Ion Ratio Lower Upper
84 100
49 105.0 106.4 159.6#
51 0.0 32.4 48.6#
86 85.2 50.9 76.3#





#33

1,2-Dichloroethane-d4

Concen: 114.134 ug/l

RT: 8.234 min Scan# 1129

Delta R.T. -0.000 min

Lab File: VD076239.D

Acq: 25 May 2023 18:08

Instrument :

MSVOA_D

ClientSampleId :

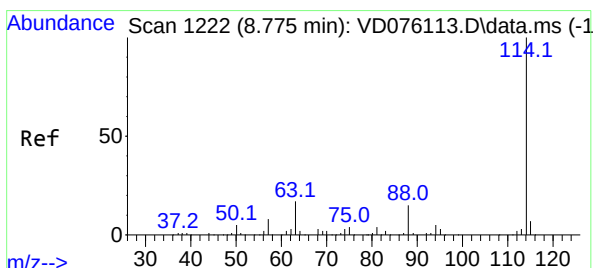
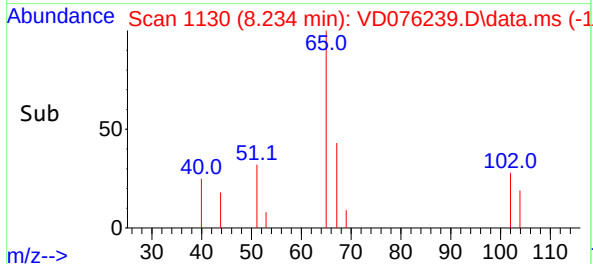
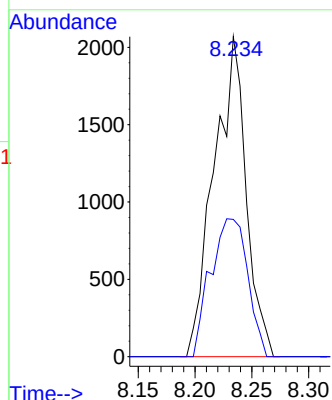
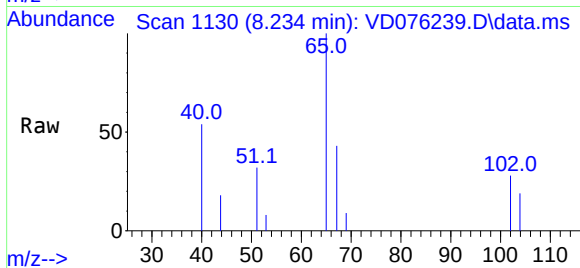
TP12RE

Tgt Ion: 65 Resp: 4056

Ion Ratio Lower Upper

65 100

67 50.0 0.0 102.2



#34

1,4-Difluorobenzene

Concen: 50.000 ug/l

RT: 8.781 min Scan# 1223

Delta R.T. 0.006 min

Lab File: VD076239.D

Acq: 25 May 2023 18:08

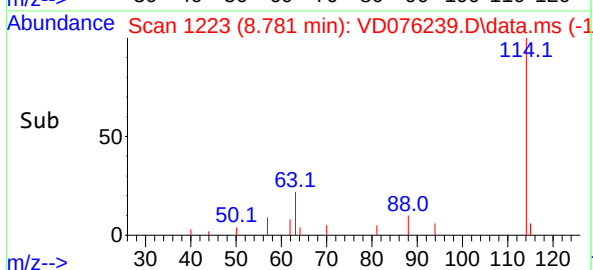
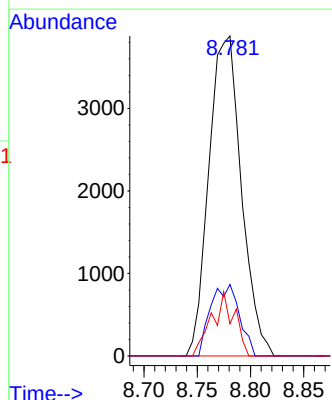
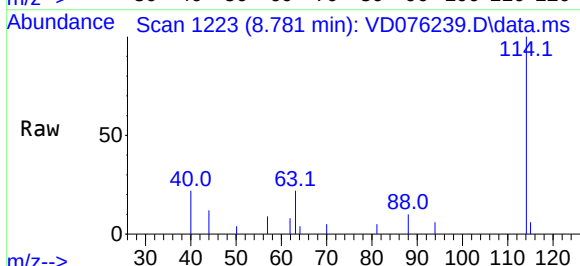
Tgt Ion: 114 Resp: 8226

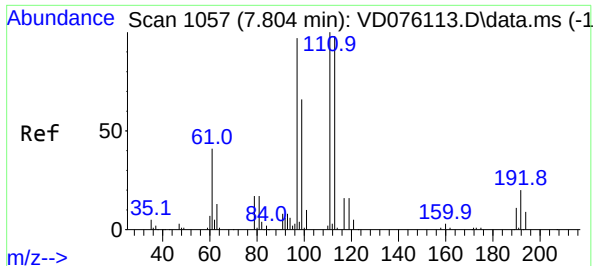
Ion Ratio Lower Upper

114 100

63 22.4 0.0 41.6

88 10.1 0.0 30.6





#35

Dibromofluoromethane

Concen: 65.161 ug/l

RT: 7.810 min Scan# 1057

Delta R.T. 0.005 min

Lab File: VD076239.D

Acq: 25 May 2023 18:08

Instrument :

MSVOA_D

ClientSampleId :

TP12RE

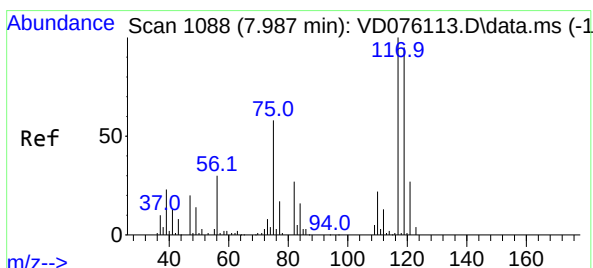
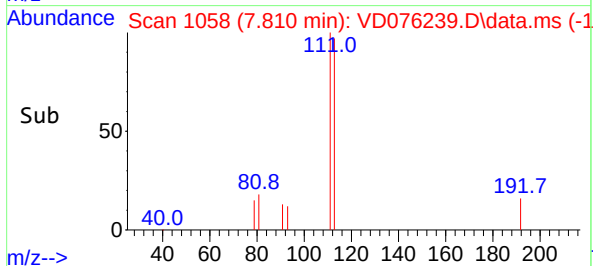
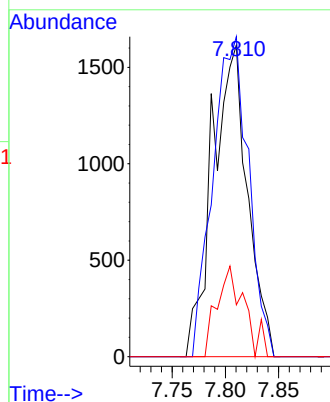
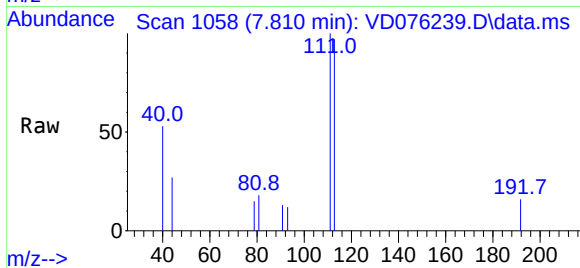
Tgt Ion:113 Resp: 3705

Ion Ratio Lower Upper

113 100

111 103.6 81.4 122.0

192 22.7 15.2 22.8



#38

Carbon Tetrachloride

Concen: 3.258 ug/l

RT: 7.881 min Scan# 1070

Delta R.T. -0.112 min

Lab File: VD076239.D

Acq: 25 May 2023 18:08

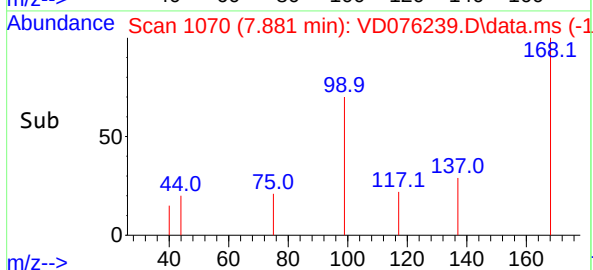
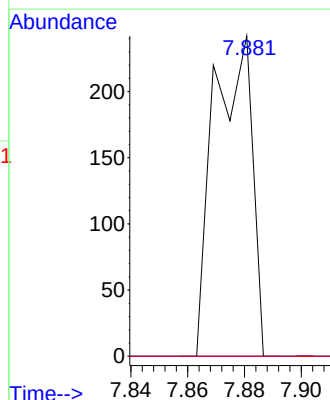
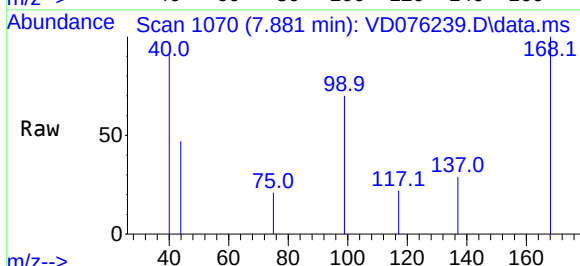
Tgt Ion:117 Resp: 226

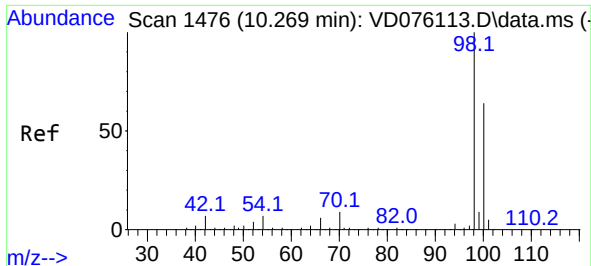
Ion Ratio Lower Upper

117 100

119 0.0 74.7 112.1#

121 0.0 25.9 38.9#

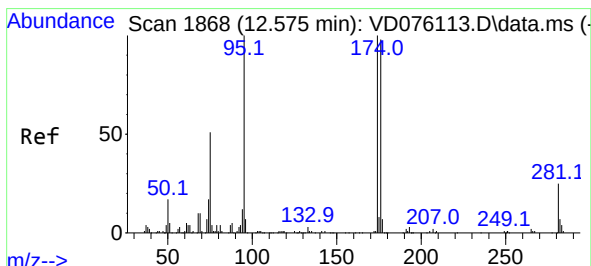
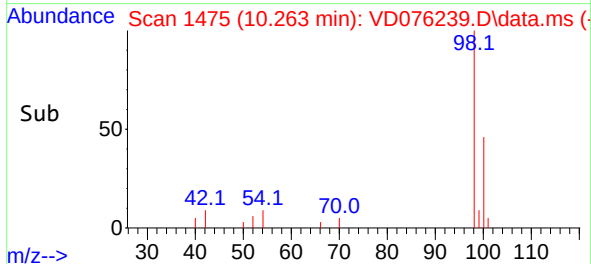
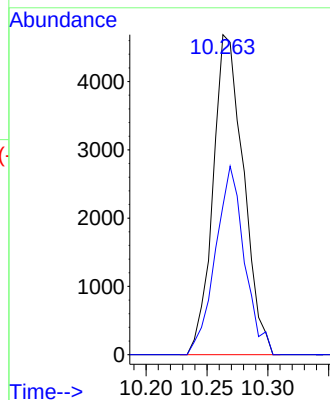
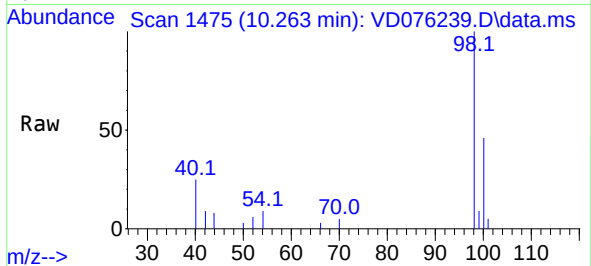




#50
Toluene-d8
Concen: 36.801 ug/l
RT: 10.263 min Scan# 1475
Delta R.T. -0.006 min
Lab File: VD076239.D
Acq: 25 May 2023 18:08

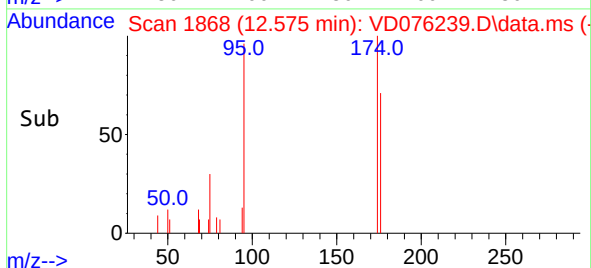
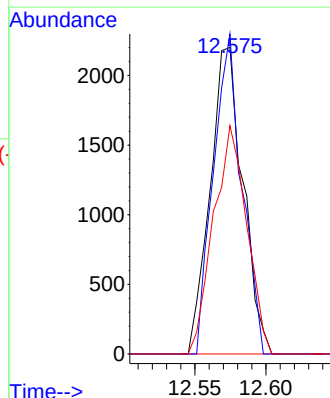
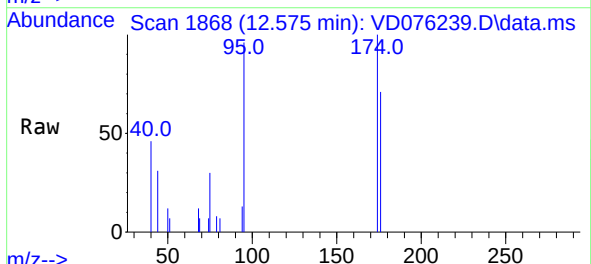
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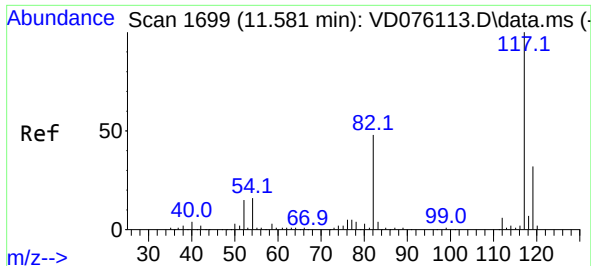
Tgt Ion: 98 Resp: 8157
Ion Ratio Lower Upper
98 100
100 56.3 52.1 78.1



#62
4-Bromofluorobenzene
Concen: 57.477 ug/l
RT: 12.575 min Scan# 1868
Delta R.T. -0.000 min
Lab File: VD076239.D
Acq: 25 May 2023 18:08

Tgt Ion: 95 Resp: 3539
Ion Ratio Lower Upper
95 100
174 90.4 0.0 164.0
176 75.3 0.0 156.8

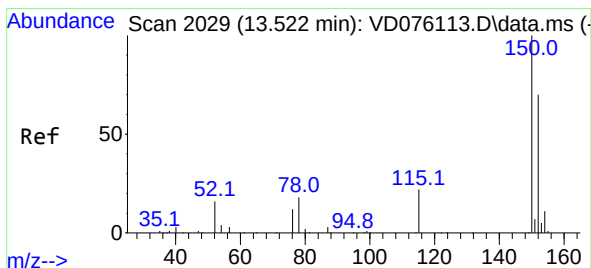
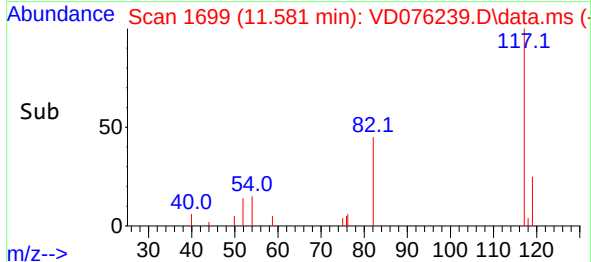
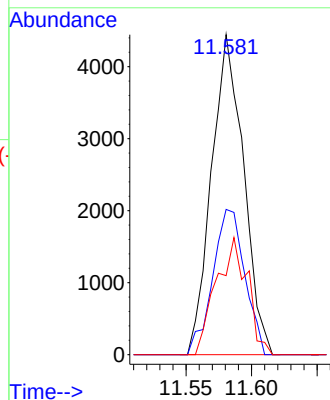
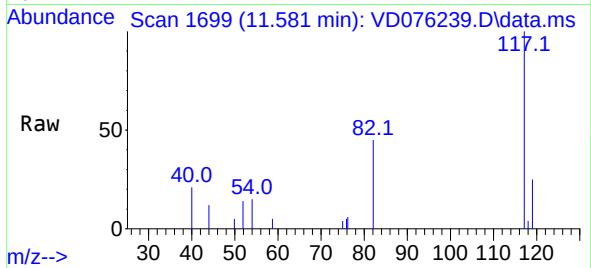




#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.581 min Scan# 117
Delta R.T. -0.000 min
Lab File: VD076239.D
Acq: 25 May 2023 18:08

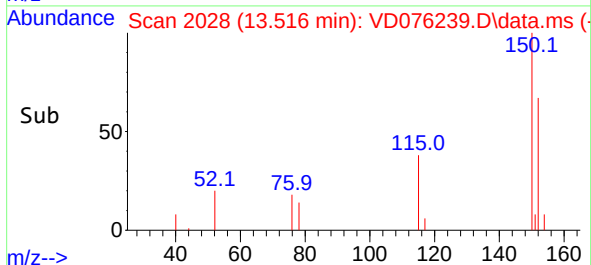
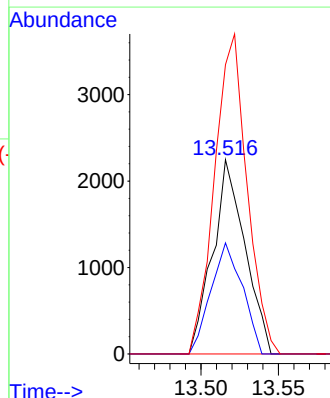
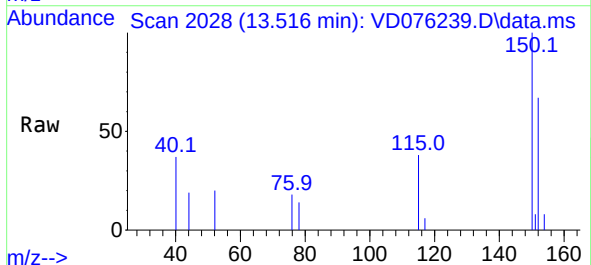
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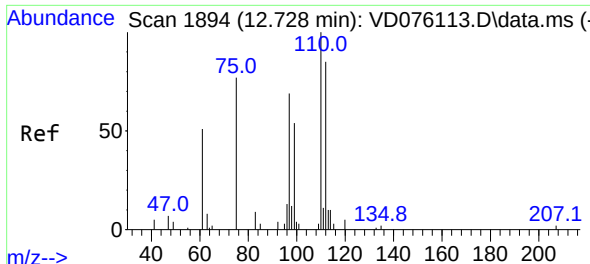
Tgt Ion:117 Resp: 7560
Ion Ratio Lower Upper
117 100
82 45.4 44.0 66.0
119 24.7 25.1 37.7#



#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 13.516 min Scan# 2028
Delta R.T. -0.006 min
Lab File: VD076239.D
Acq: 25 May 2023 18:08

Tgt Ion:152 Resp: 3263
Ion Ratio Lower Upper
152 100
115 55.6 30.1 90.3
150 165.6 0.0 364.8

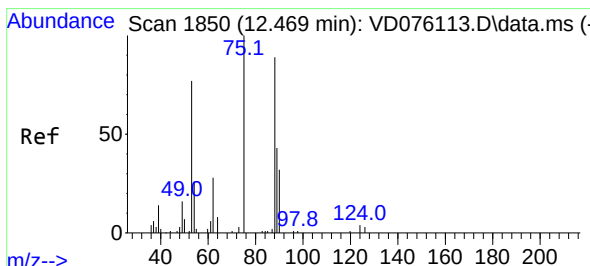
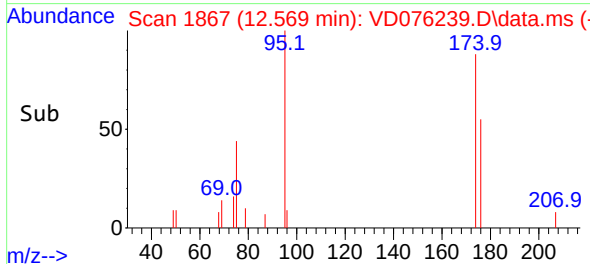
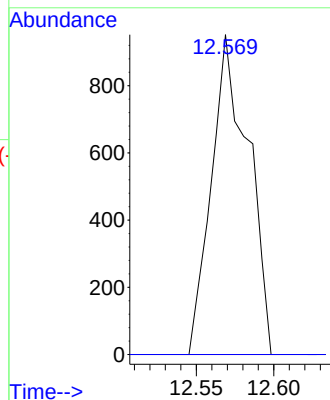
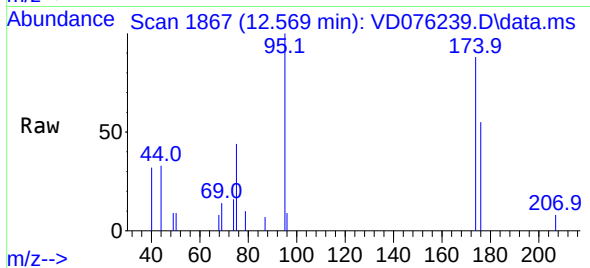




#76
1,2,3-Trichloropropane
Concen: 55.124 ug/l
RT: 12.569 min Scan# 1867
Delta R.T. -0.159 min
Lab File: VD076239.D
Acq: 25 May 2023 18:08

Instrument :
MSVOA_D
ClientSampleId :
TP12RE

Tgt Ion: 75 Resp: 1574
Ion Ratio Lower Upper
75 100
77 0.0 0.0 0.0



#81
trans-1,4-Dichloro-2-butene
Concen: 115.640 ug/l
RT: 12.569 min Scan# 1867
Delta R.T. 0.094 min
Lab File: VD076239.D
Acq: 25 May 2023 18:08

Tgt Ion: 75 Resp: 1574
Ion Ratio Lower Upper
75 100
53 0.0 90.5 135.7#
89 0.0 40.2 60.4#

