

Data Path : Z:\voasrv\HPCHEM1\MSVOA_D\Data\VD052423\
 Data File : VD076222.D
 Acq On : 24 May 2023 19:09
 Operator : KP/SY
 Sample : 02868-11
 Misc : 4.90G/5.00ml/MSVOA_D/SOIL
 ALS Vial : 18 Sample Multiplier: 1

Instrument :
 MSVOA_D
 ClientSampleId :
 TP12

Quant Time: May 25 06:03:17 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)

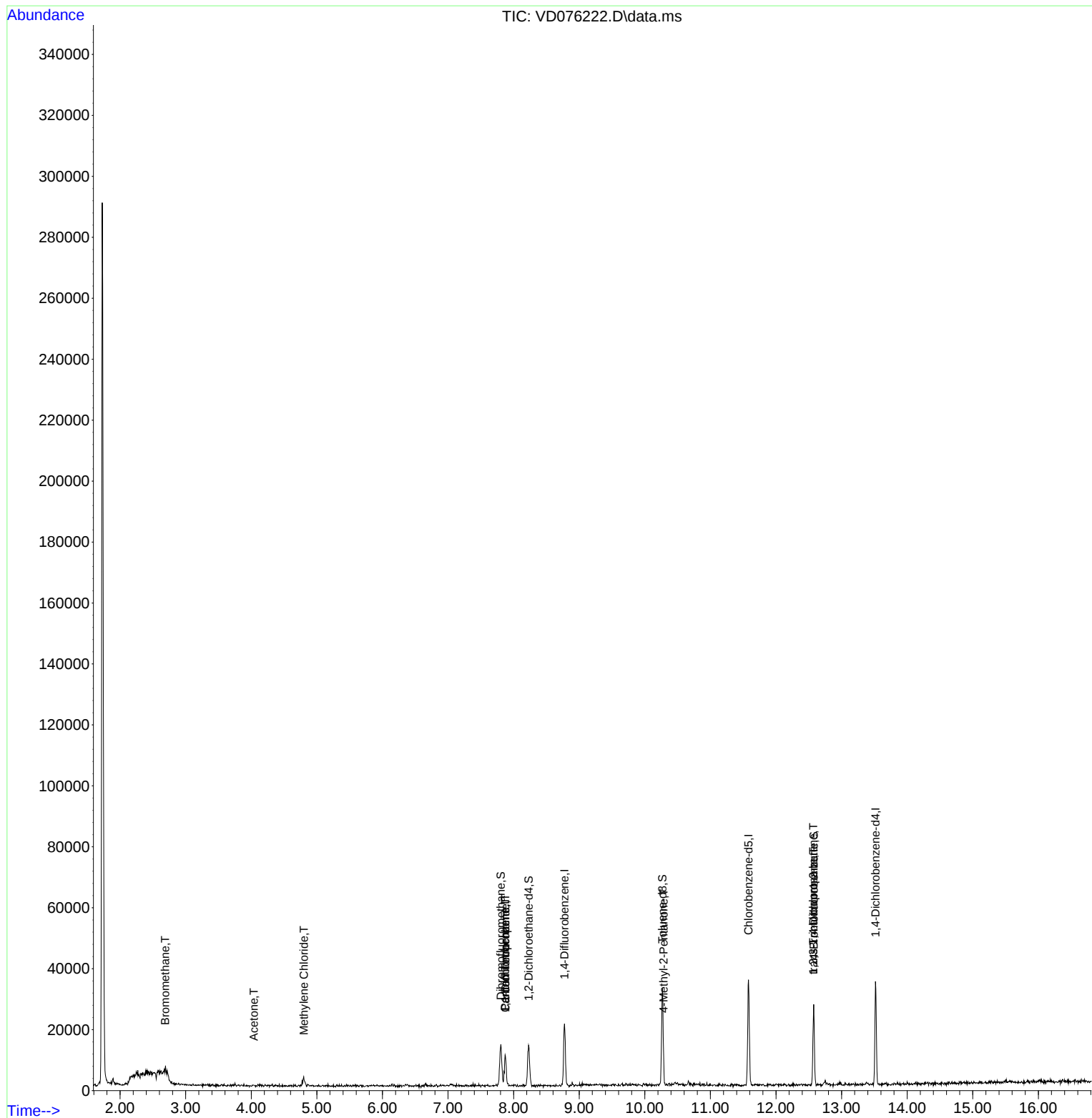
Internal Standards						
1) Pentafluorobenzene	7.869	168	8481	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	8.775	114	19750	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.581	117	23545	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.516	152	9759	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.228	65	10931	133.359	ug/l	0.00
Spiked Amount	50.000	Range	50 - 163	Recovery	= 266.720%#	
35) Dibromofluoromethane	7.805	113	10545	77.244	ug/l	0.00
Spiked Amount	50.000	Range	54 - 147	Recovery	= 154.480%#	
50) Toluene-d8	10.269	98	23586	44.320	ug/l	0.00
Spiked Amount	50.000	Range	58 - 134	Recovery	= 88.640%	
62) 4-Bromofluorobenzene	12.575	95	8260	55.875	ug/l	0.00
Spiked Amount	50.000	Range	30 - 143	Recovery	= 111.740%	
Target Compounds						
					Qvalue	
3) Chloromethane	2.140	50	474	Below Cal	#	78
5) Bromomethane	2.687	94	1139	10.256	ug/l	83
16) Acetone	4.040	43	65	3.986	ug/l #	44
20) Methylene Chloride	4.805	84	1975	7.608	ug/l #	69
36) 1,1-Dichloropropene	7.875	75	807	4.377	ug/l #	42
38) Carbon Tetrachloride	7.875	117	735	4.413	ug/l #	13
51) 4-Methyl-2-Pentanone	10.287	43	112	1.766	ug/l #	38
76) 1,2,3-Trichloropropane	12.569	75	4252	49.790	ug/l #	100
81) trans-1,4-Dichloro-2-b...	12.569	75	4252	104.450	ug/l #	5

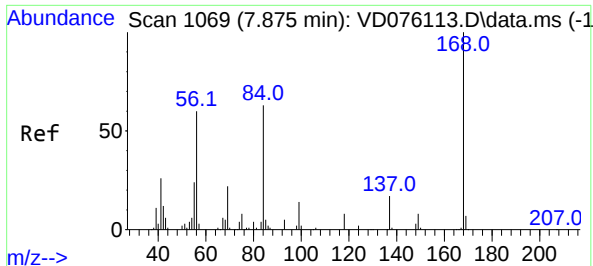
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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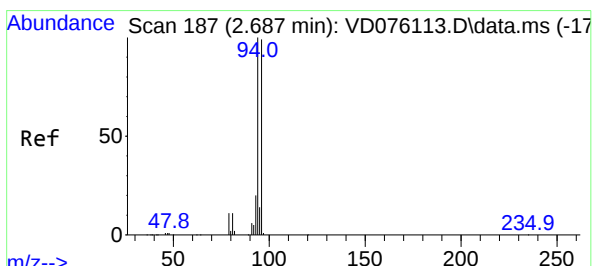
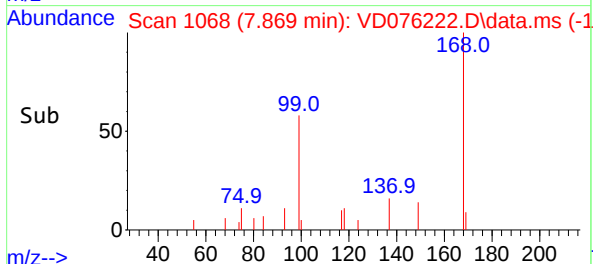
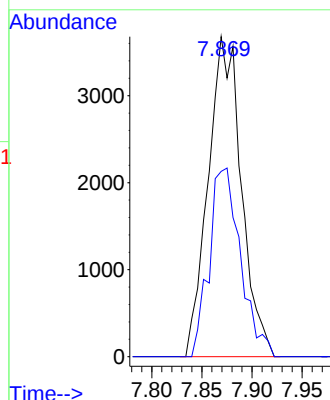
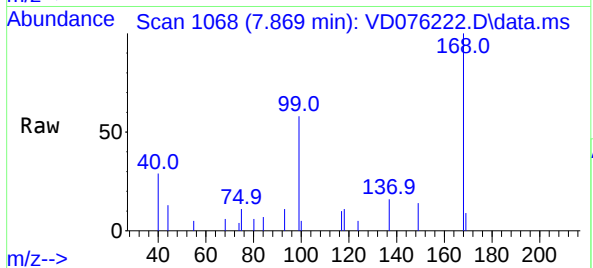




#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 7.869 min Scan# 1069
Delta R.T. -0.006 min
Lab File: VD076222.D
Acq: 24 May 2023 19:09

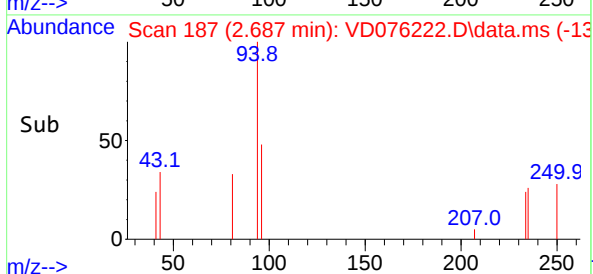
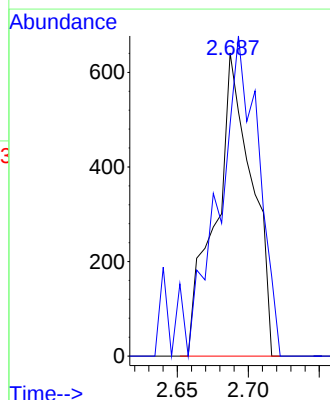
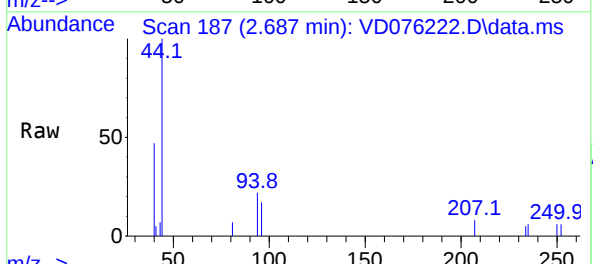
Instrument :
MSVOA_D
ClientSampleId :
TP12

Tgt Ion:168 Resp: 8481
Ion Ratio Lower Upper
168 100
99 57.9 43.8 65.6



#5
Bromomethane
Concen: 10.256 ug/l
RT: 2.687 min Scan# 187
Delta R.T. 0.000 min
Lab File: VD076222.D
Acq: 24 May 2023 19:09

Tgt Ion: 94 Resp: 1139
Ion Ratio Lower Upper
94 100
96 113.8 77.5 116.3

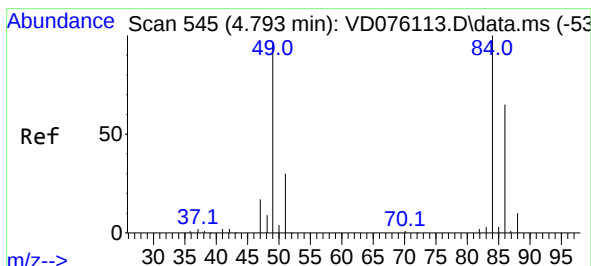
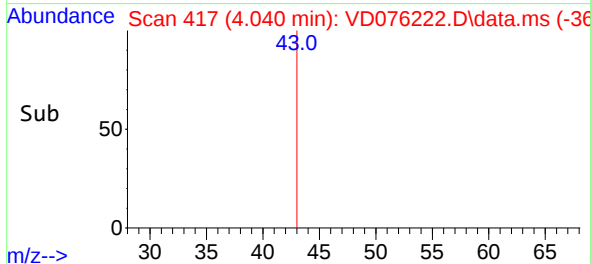
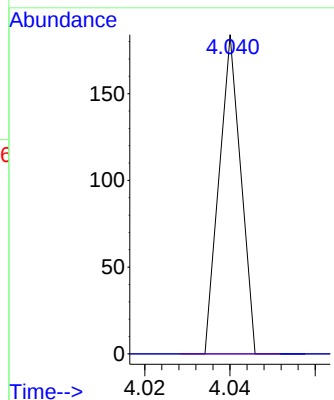
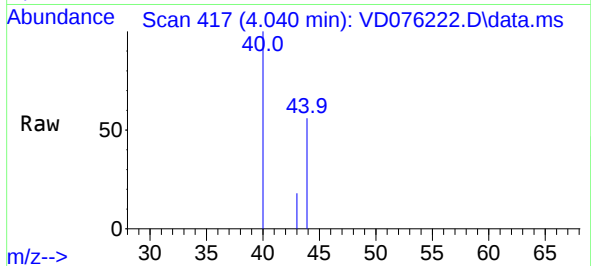




#16
Acetone
Concen: 3.986 ug/l
RT: 4.040 min Scan# 41
Delta R.T. 0.018 min
Lab File: VD076222.D
Acq: 24 May 2023 19:09

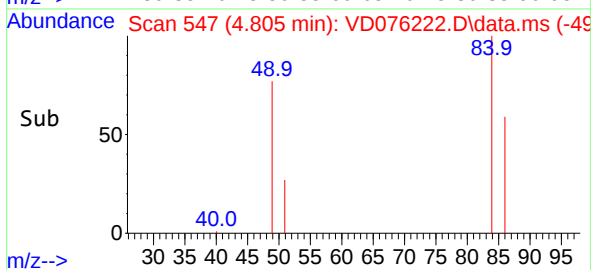
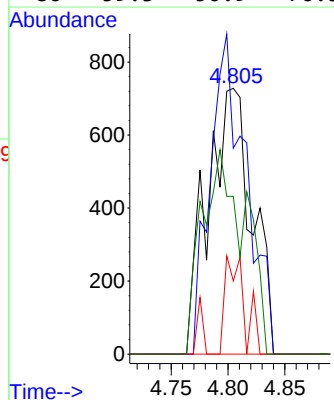
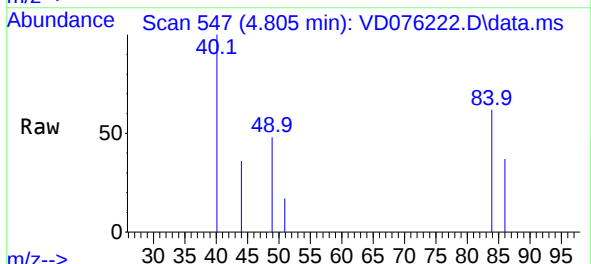
Instrument :
MSVOA_D
ClientSampleId :
TP12

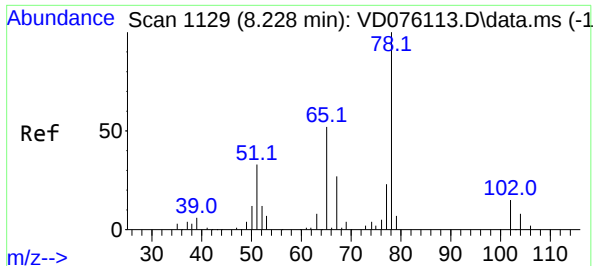
Tgt Ion: 43 Resp: 65
Ion Ratio Lower Upper
43 100
58 0.0 24.4 36.6#



#20
Methylene Chloride
Concen: 7.608 ug/l
RT: 4.805 min Scan# 547
Delta R.T. 0.006 min
Lab File: VD076222.D
Acq: 24 May 2023 19:09

Tgt Ion: 84 Resp: 1975
Ion Ratio Lower Upper
84 100
49 77.5 106.4 159.6#
51 27.5 32.4 48.6#
86 59.3 50.9 76.3





#33

1,2-Dichloroethane-d4

Concen: 133.359 ug/l

RT: 8.228 min Scan# 1129

Delta R.T. -0.006 min

Lab File: VD076222.D

Acq: 24 May 2023 19:09

Instrument :

MSVOA_D

ClientSampleId :

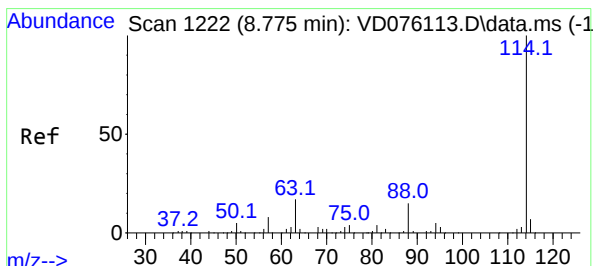
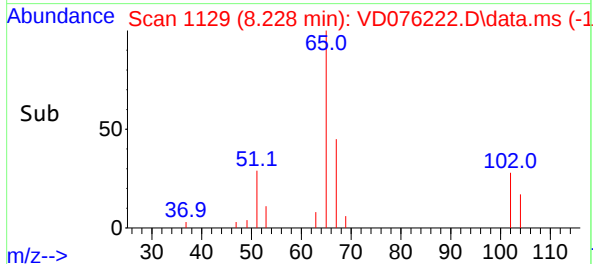
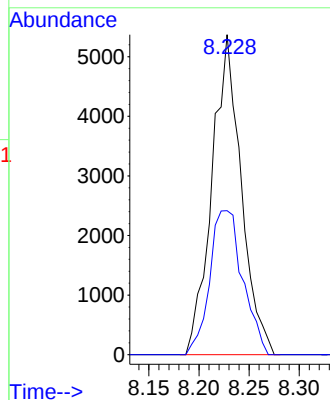
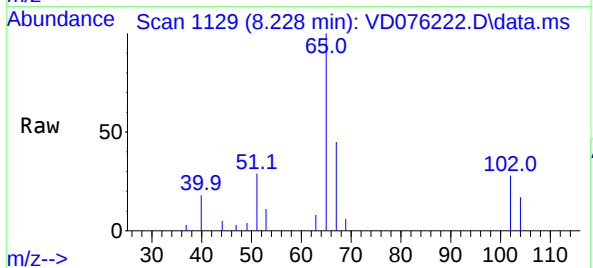
TP12

Tgt Ion: 65 Resp: 10931

Ion Ratio Lower Upper

65 100

67 50.8 0.0 102.2



#34

1,4-Difluorobenzene

Concen: 50.000 ug/l

RT: 8.775 min Scan# 1222

Delta R.T. 0.000 min

Lab File: VD076222.D

Acq: 24 May 2023 19:09

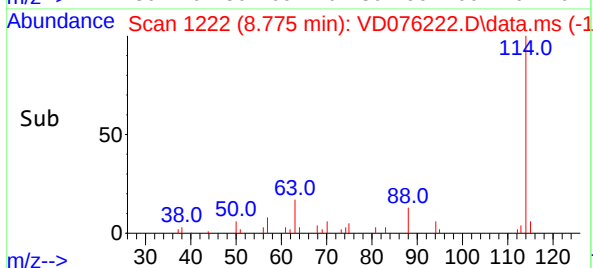
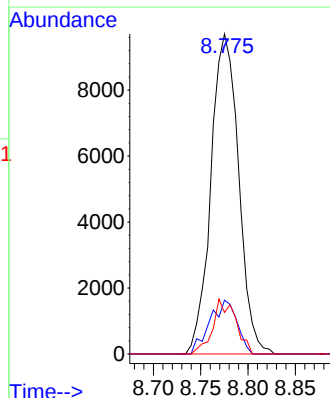
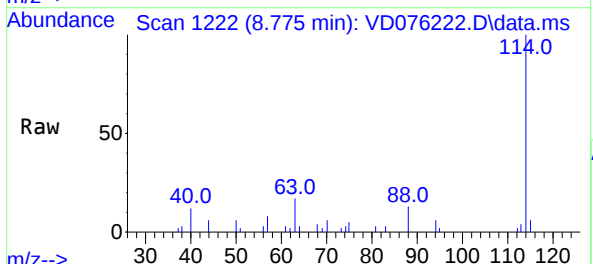
Tgt Ion: 114 Resp: 19750

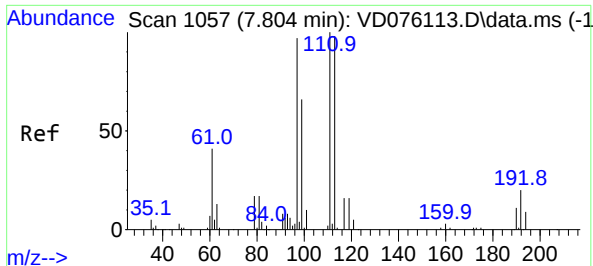
Ion Ratio Lower Upper

114 100

63 16.8 0.0 41.6

88 12.9 0.0 30.6

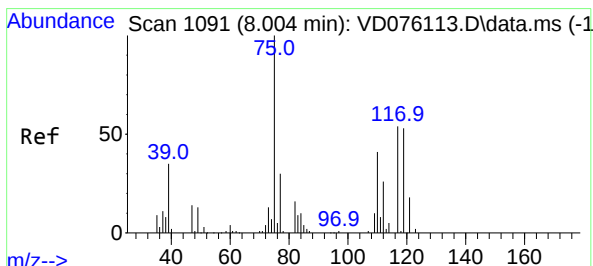
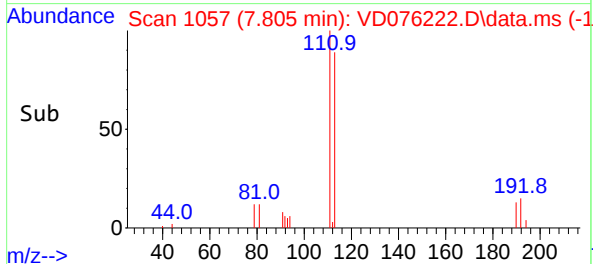
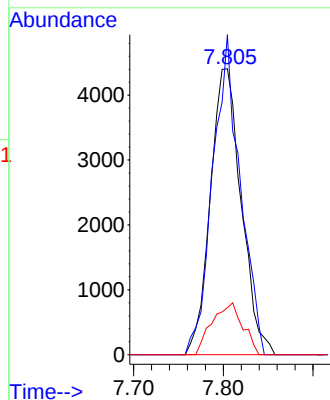
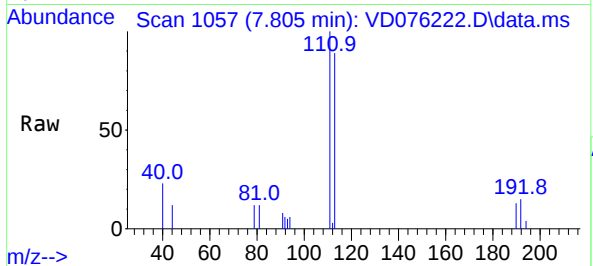




#35
Dibromofluoromethane
Concen: 77.244 ug/l
RT: 7.805 min Scan# 1057
Delta R.T. -0.000 min
Lab File: VD076222.D
Acq: 24 May 2023 19:09

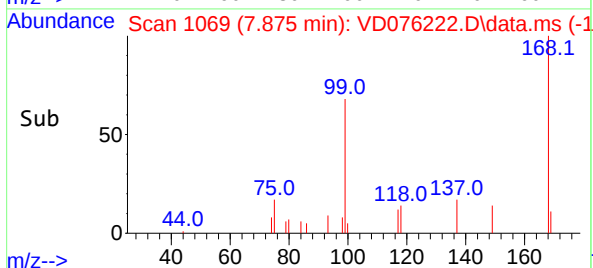
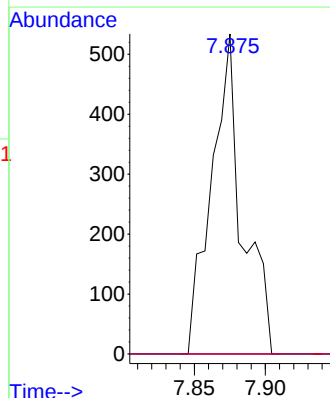
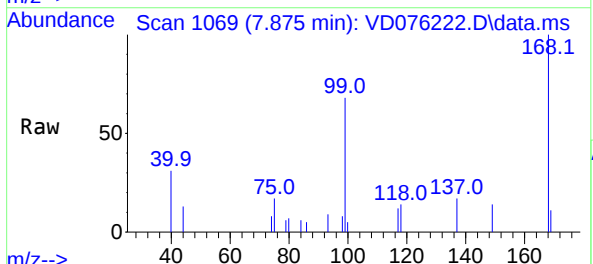
Instrument :
MSVOA_D
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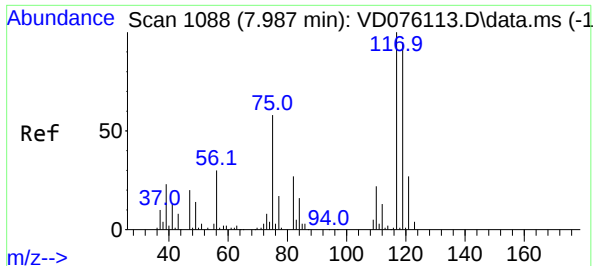
Tgt Ion:	113	Resp:	10545
Ion	Ratio	Lower	Upper
113	100		
111	99.8	81.4	122.0
192	18.0	15.2	22.8



#36
1,1-Dichloropropene
Concen: 4.377 ug/l
RT: 7.875 min Scan# 1069
Delta R.T. -0.135 min
Lab File: VD076222.D
Acq: 24 May 2023 19:09

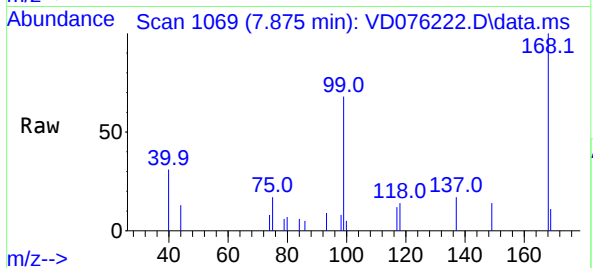
Tgt Ion:	75	Resp:	807
Ion	Ratio	Lower	Upper
75	100		
110	0.0	17.1	51.2#
77	0.0	24.6	36.8#



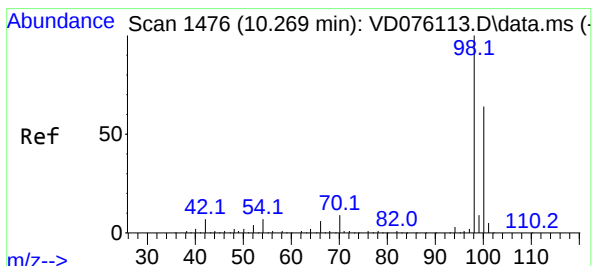
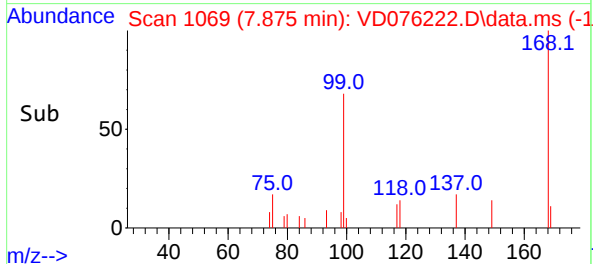
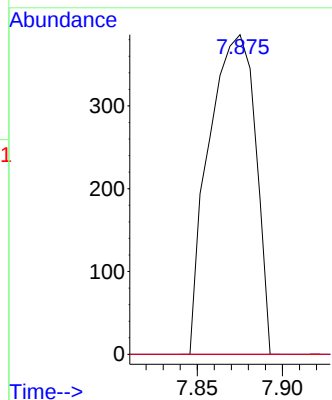


#38
Carbon Tetrachloride
Concen: 4.413 ug/l
RT: 7.875 min Scan# 1088
Delta R.T. -0.118 min
Lab File: VD076222.D
Acq: 24 May 2023 19:09

Instrument :
MSVOA_D
ClientSampleId :
TP12

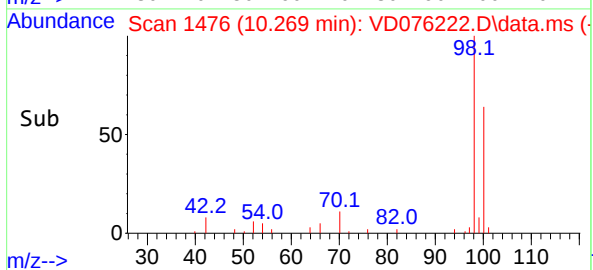
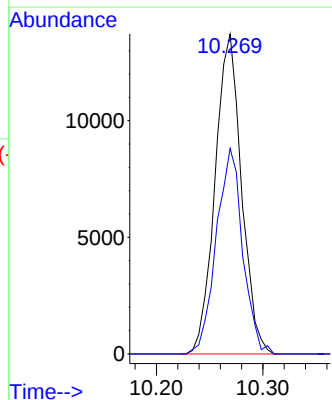
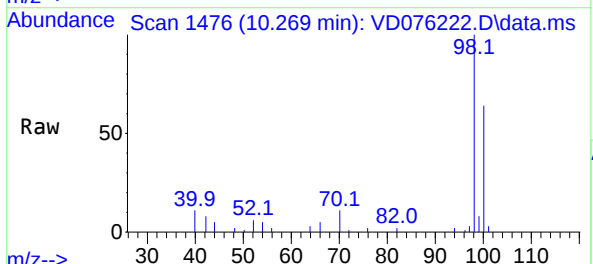


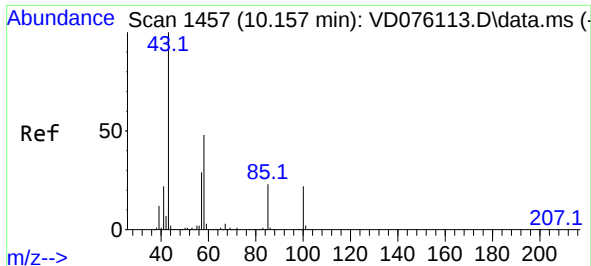
Tgt Ion:117 Resp: 735
Ion Ratio Lower Upper
117 100
119 0.0 74.7 112.1#
121 0.0 25.9 38.9#



#50
Toluene-d8
Concen: 44.320 ug/l
RT: 10.269 min Scan# 1476
Delta R.T. 0.000 min
Lab File: VD076222.D
Acq: 24 May 2023 19:09

Tgt Ion: 98 Resp: 23586
Ion Ratio Lower Upper
98 100
100 64.2 52.1 78.1

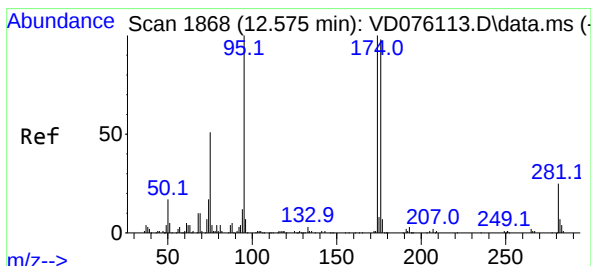
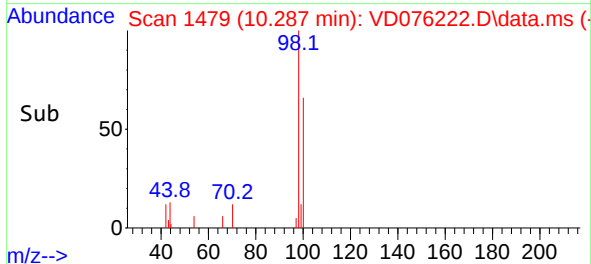
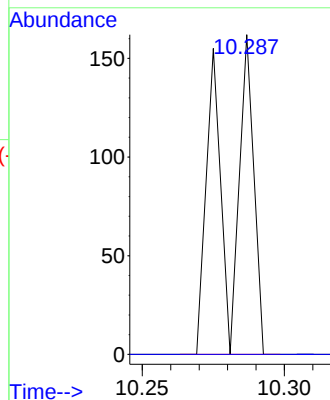
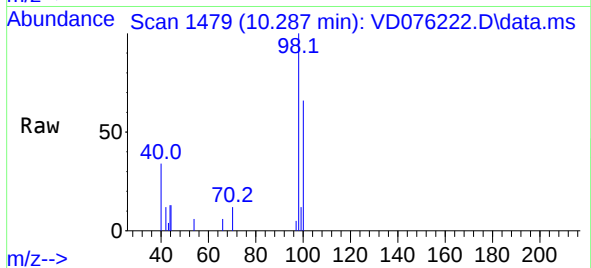




#51
4-Methyl-2-Pentanone
Concen: 1.766 ug/l
RT: 10.287 min Scan# 1457
Delta R.T. 0.130 min
Lab File: VD076222.D
Acq: 24 May 2023 19:09

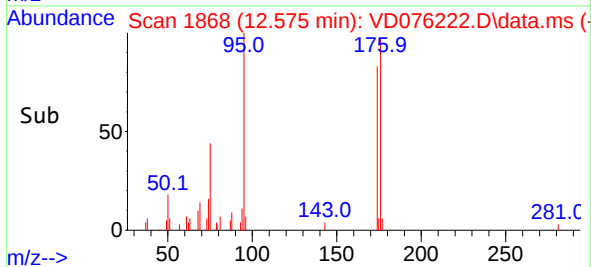
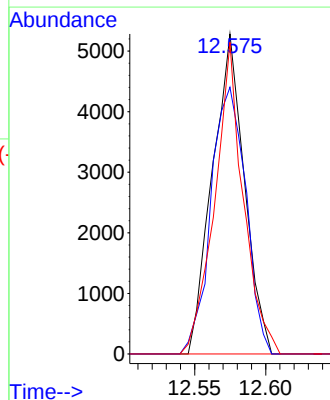
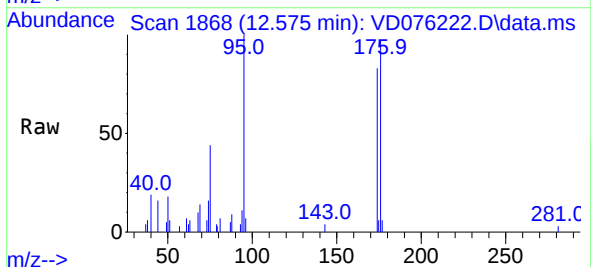
Instrument :
MSVOA_D
ClientSampleId :
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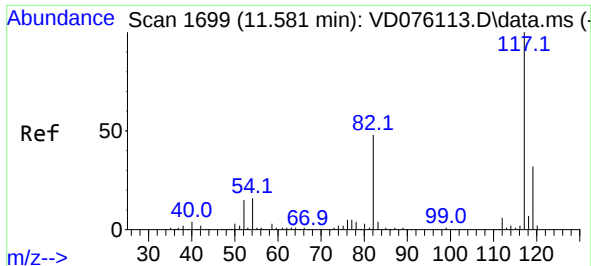
Tgt Ion: 43 Resp: 112
Ion Ratio Lower Upper
43 100
58 0.0 29.5 44.3#



#62
4-Bromofluorobenzene
Concen: 55.875 ug/l
RT: 12.575 min Scan# 1868
Delta R.T. -0.000 min
Lab File: VD076222.D
Acq: 24 May 2023 19:09

Tgt Ion: 95 Resp: 8260
Ion Ratio Lower Upper
95 100
174 90.6 0.0 164.0
176 87.2 0.0 156.8

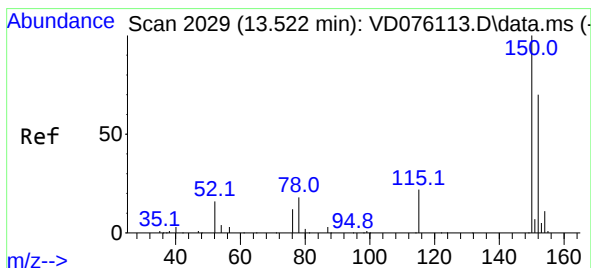
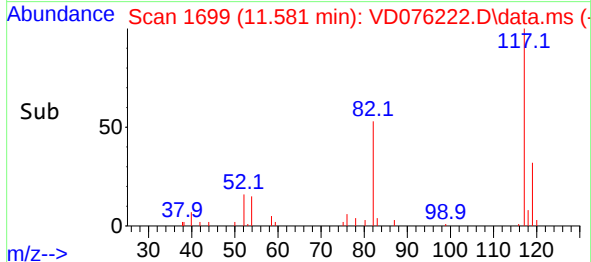
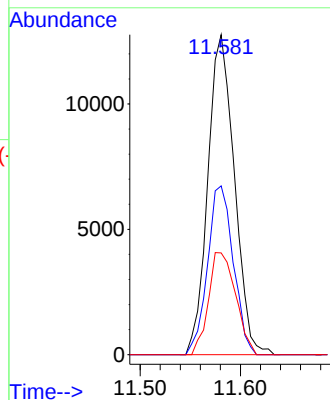
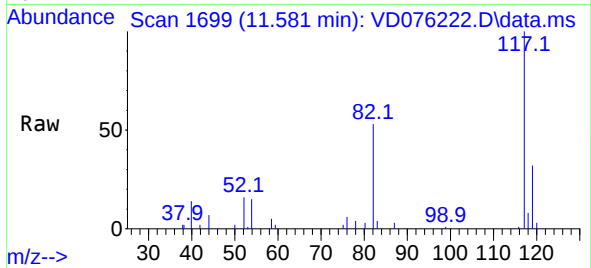




#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.581 min Scan# 11
Delta R.T. -0.000 min
Lab File: VD076222.D
Acq: 24 May 2023 19:09

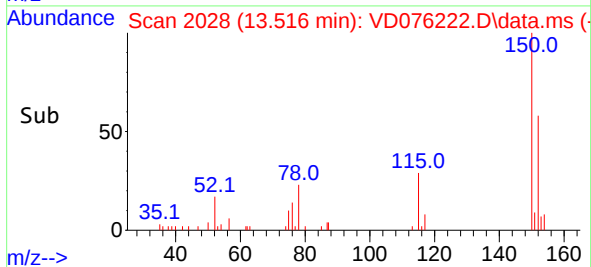
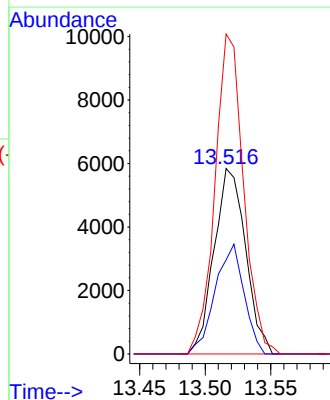
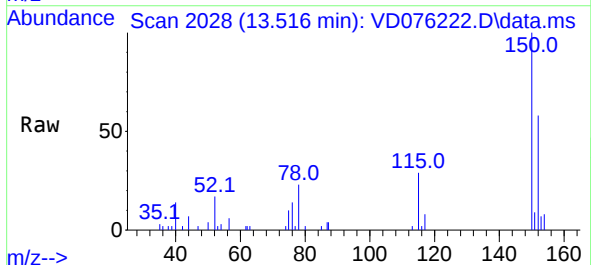
Instrument :
MSVOA_D
ClientSampleId :
TP12

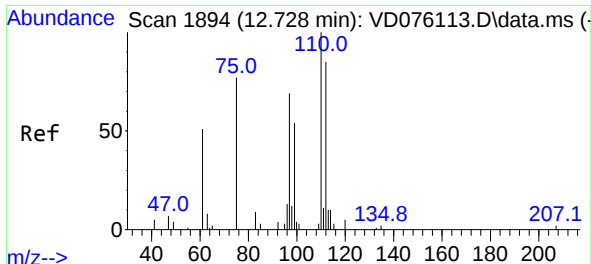
Tgt Ion:117	Resp:	23545
Ion	Ratio	Lower Upper
117	100	
82	52.8	44.0 66.0
119	31.8	25.1 37.7



#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 13.516 min Scan# 2028
Delta R.T. -0.006 min
Lab File: VD076222.D
Acq: 24 May 2023 19:09

Tgt Ion:152	Resp:	9759
Ion	Ratio	Lower Upper
152	100	
115	54.2	30.1 90.3
150	156.6	0.0 364.8

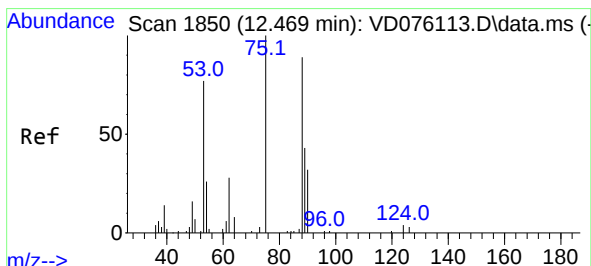
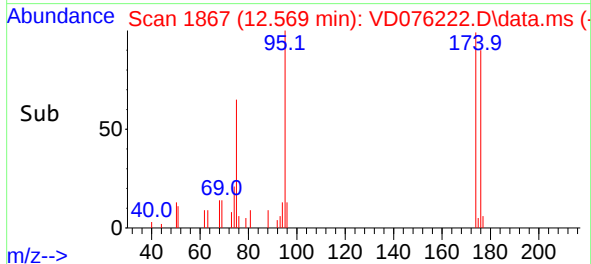
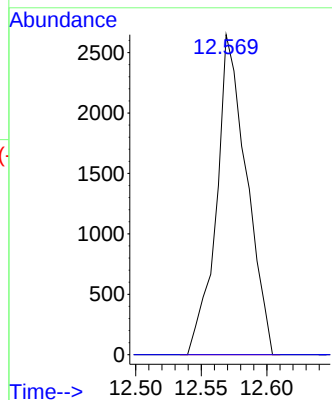
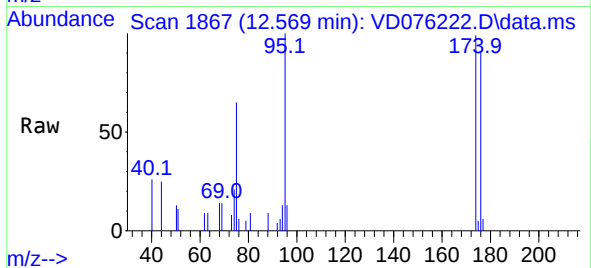




#76
1,2,3-Trichloropropane
Concen: 49.790 ug/l
RT: 12.569 min Scan# 1867
Delta R.T. -0.159 min
Lab File: VD076222.D
Acq: 24 May 2023 19:09

Instrument :
MSVOA_D
ClientSampleId :
TP12

Tgt Ion: 75 Resp: 4252
Ion Ratio Lower Upper
75 100
77 0.0 0.0 0.0



#81
trans-1,4-Dichloro-2-butene
Concen: 104.450 ug/l
RT: 12.569 min Scan# 1867
Delta R.T. 0.094 min
Lab File: VD076222.D
Acq: 24 May 2023 19:09

Tgt Ion: 75 Resp: 4252
Ion Ratio Lower Upper
75 100
53 0.0 90.5 135.7#
89 0.0 40.2 60.4#

