

Data Path : Z:\voasrv\HPCHEM1\MSVOA_D\Data\VD011524\
 Data File : VD078155.D
 Acq On : 15 Jan 2024 10:26
 Operator : RP/MD
 Sample : VD0115SBL01
 Misc : 5.00G/5.0ml/MSVOA_D/SOIL
 ALS Vial : 4 Sample Multiplier: 1

Instrument :
 MSVOA_D
 ClientSampleId :

Quant Time: Jan 16 00:32:19 2024
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_D\Method\82D010824S.M
 Quant Title : SW846 8260
 QLast Update : Tue Jan 09 01:29:14 2024
 Response via : Initial Calibration

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

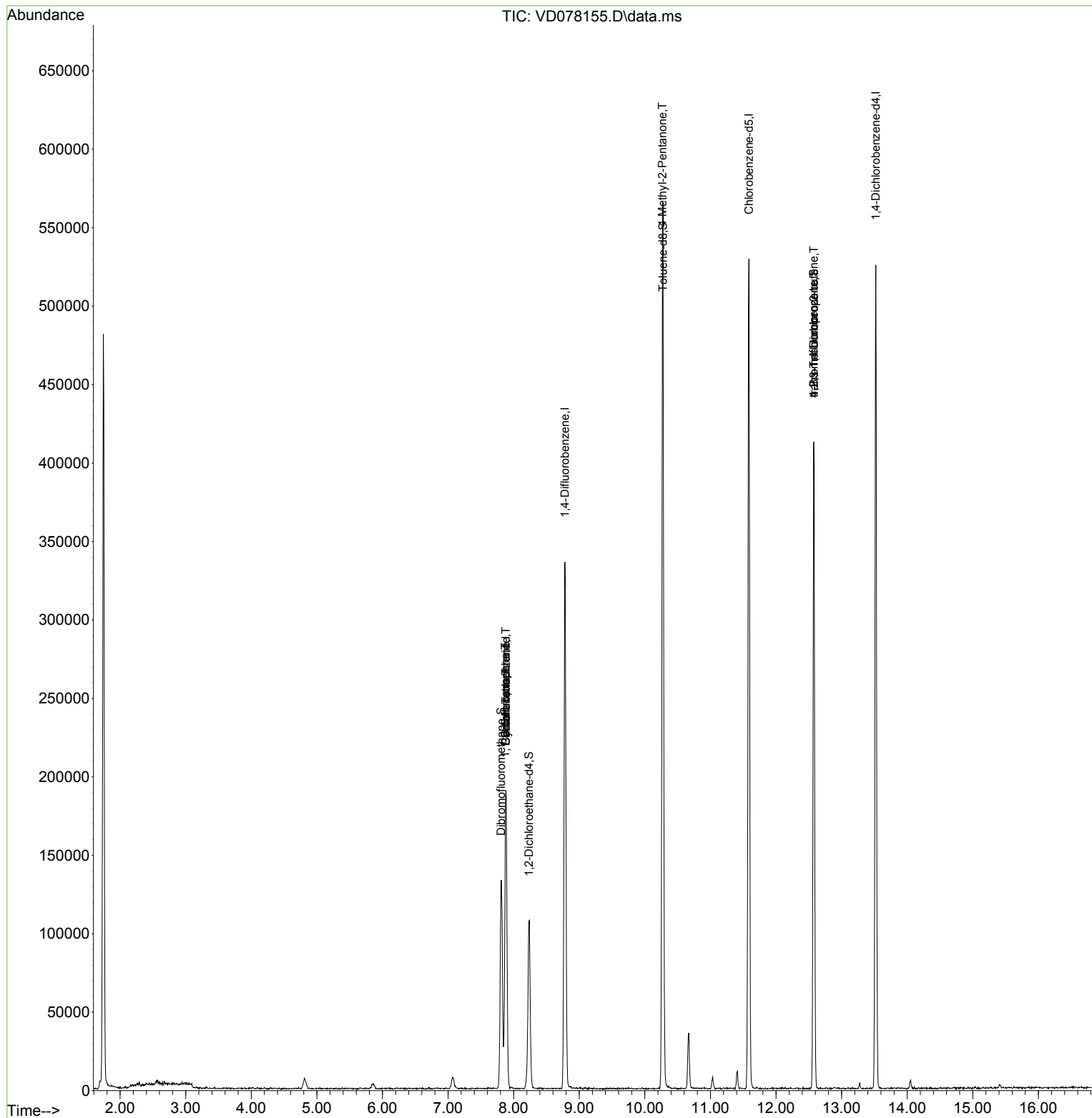
Internal Standards						
1) Pentafluorobenzene	7.881	168	144596	50.000	ug/l	# 0.00
34) 1,4-Difluorobenzene	8.781	114	297796	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.587	117	304193	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.522	152	134868	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.234	65	83727	55.001	ug/l	0.00
Spiked Amount	50.000	Range	50 - 163	Recovery	=	110.000%
35) Dibromofluoromethane	7.810	113	98071	45.695	ug/l	0.00
Spiked Amount	50.000	Range	54 - 147	Recovery	=	91.380%
50) Toluene-d8	10.275	98	379220	52.686	ug/l	0.00
Spiked Amount	50.000	Range	58 - 134	Recovery	=	105.380%
62) 4-Bromofluorobenzene	12.575	95	119004	47.495	ug/l	0.00
Spiked Amount	50.000	Range	30 - 143	Recovery	=	95.000%
Target Compounds						
					Qvalue	
16) Acetone	4.022	43	285	Below Cal	#	32
20) Methylene Chloride	4.810	84	5004	Below Cal	#	83
31) Cyclohexane	7.881	56	3408	1.480	ug/l #	48
36) 1,1-Dichloropropene	7.875	75	12417	4.285	ug/l #	47
38) Carbon Tetrachloride	7.881	117	15643	4.687	ug/l #	15
51) 4-Methyl-2-Pentanone	10.269	43	1447	1.270	ug/l #	1
76) 1,2,3-Trichloropropane	12.575	75	66254	49.896	ug/l #	100
81) trans-1,4-Dichloro-2-b...	12.575	75	66254	111.197	ug/l #	17

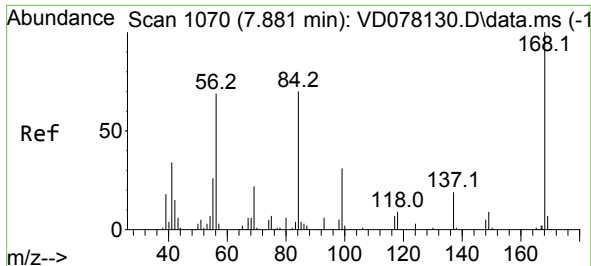
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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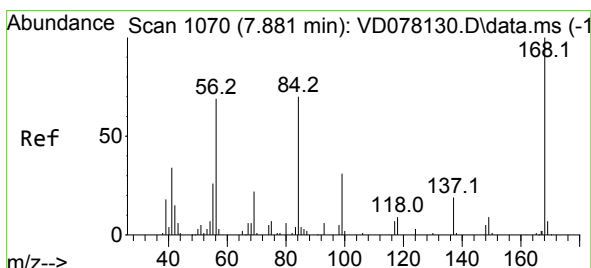
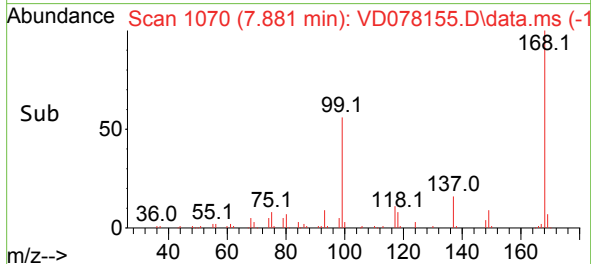
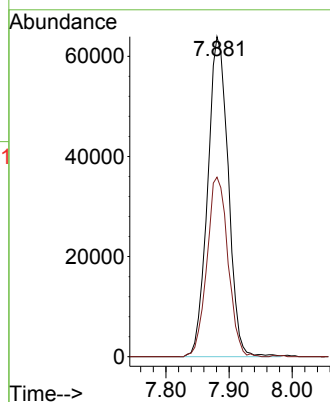
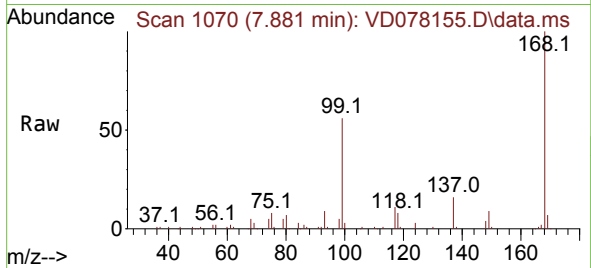




#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 7.881 min Scan# 1070
Delta R.T. -0.000 min
Lab File: VD078155.D
Acq: 15 Jan 2024 10:26

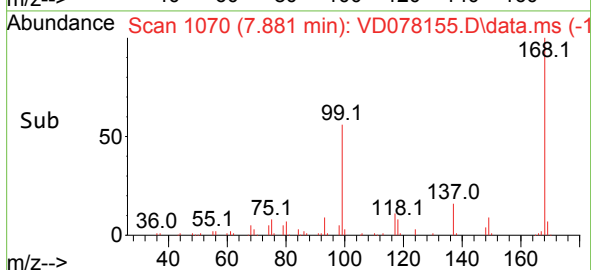
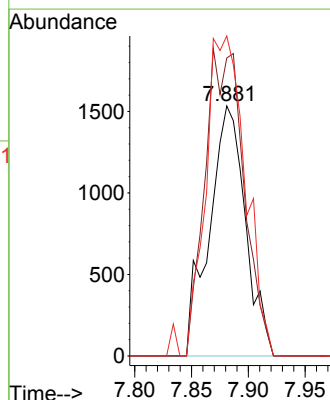
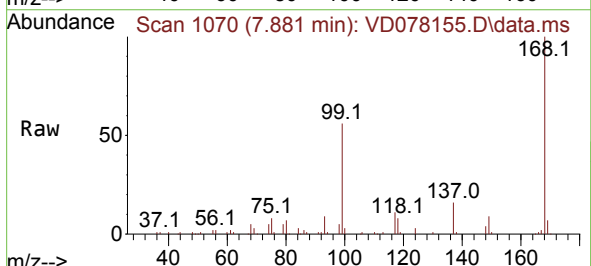
Instrument :
MSVOA_D
ClientSampleId :

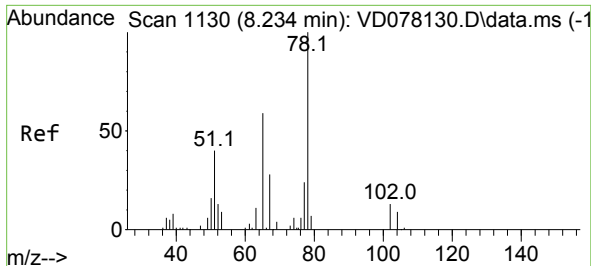
Tgt Ion:168 Resp: 144596
Ion Ratio Lower Upper
168 100
99 56.1 36.7 55.1#



#31
Cyclohexane
Concen: 1.480 ug/l
RT: 7.881 min Scan# 1070
Delta R.T. -0.000 min
Lab File: VD078155.D
Acq: 15 Jan 2024 10:26

Tgt Ion: 56 Resp: 3408
Ion Ratio Lower Upper
56 100
69 119.2 28.6 43.0#
84 128.0 84.8 127.2#





#33

1,2-Dichloroethane-d4

Concen: 55.001 ug/l

RT: 8.234 min Scan# 1130

Delta R.T. -0.000 min

Lab File: VD078155.D

Acq: 15 Jan 2024 10:26

Instrument :

MSVOA_D

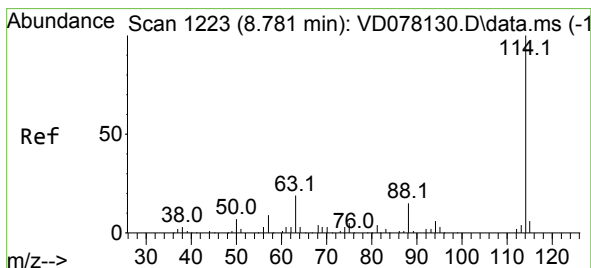
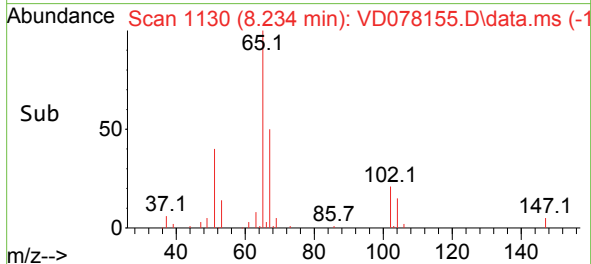
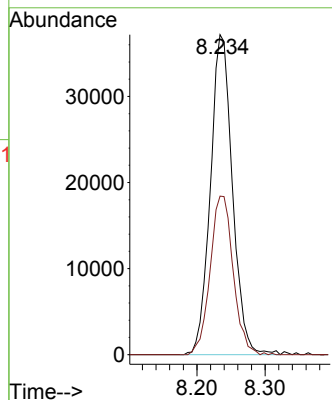
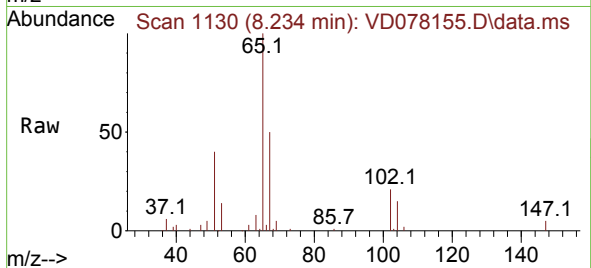
ClientSampleId :

Tgt Ion: 65 Resp: 83727

Ion Ratio Lower Upper

65 100

67 51.7 0.0 115.0



#34

1,4-Difluorobenzene

Concen: 50.000 ug/l

RT: 8.781 min Scan# 1223

Delta R.T. -0.000 min

Lab File: VD078155.D

Acq: 15 Jan 2024 10:26

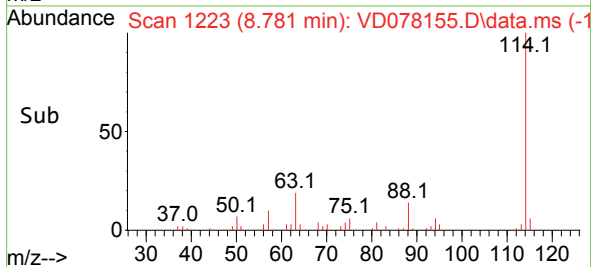
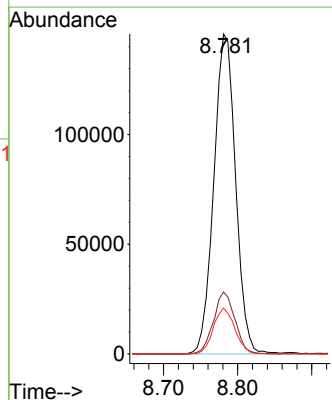
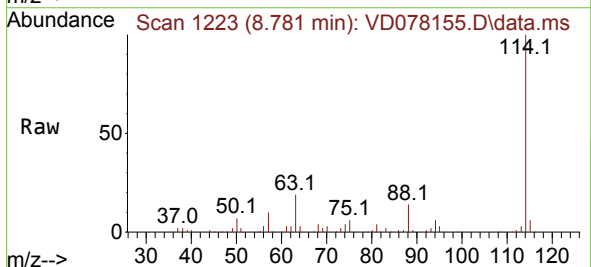
Tgt Ion:114 Resp: 297796

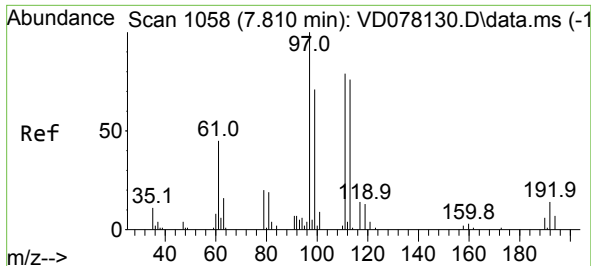
Ion Ratio Lower Upper

114 100

63 19.3 0.0 33.4

88 14.3 0.0 26.2





#35

Dibromofluoromethane

Concen: 45.695 ug/l

RT: 7.810 min Scan# 1058

Delta R.T. -0.000 min

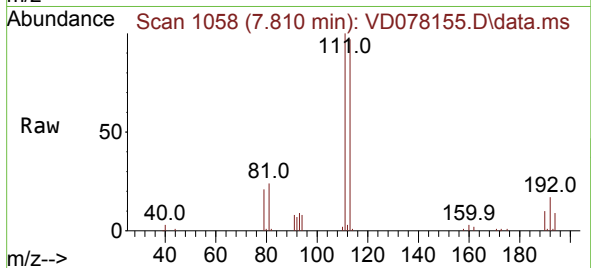
Lab File: VD078155.D

Acq: 15 Jan 2024 10:26

Instrument :

MSVOA_D

ClientSampleId :



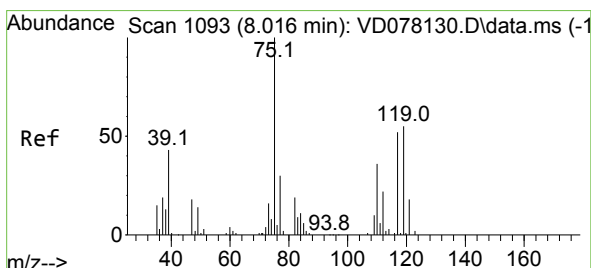
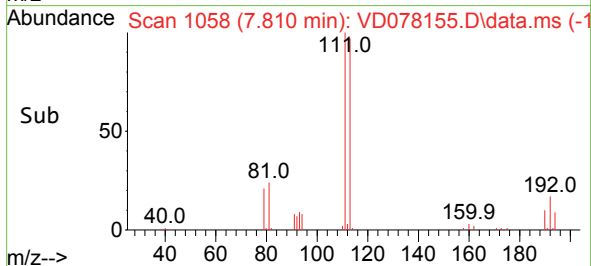
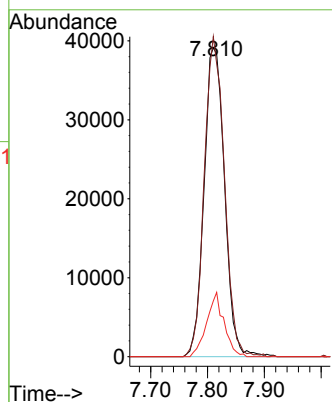
Tgt Ion:113 Resp: 98071

Ion Ratio Lower Upper

113 100

111 101.3 84.7 127.1

192 17.6 16.8 25.2



#36

1,1-Dichloropropene

Concen: 4.285 ug/l

RT: 7.875 min Scan# 1069

Delta R.T. -0.141 min

Lab File: VD078155.D

Acq: 15 Jan 2024 10:26

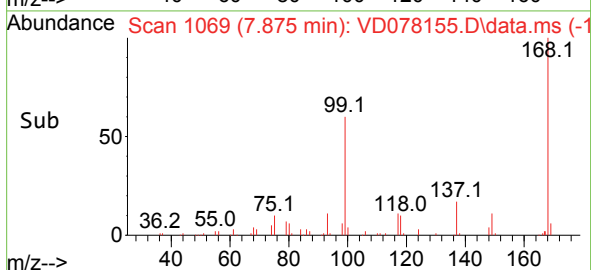
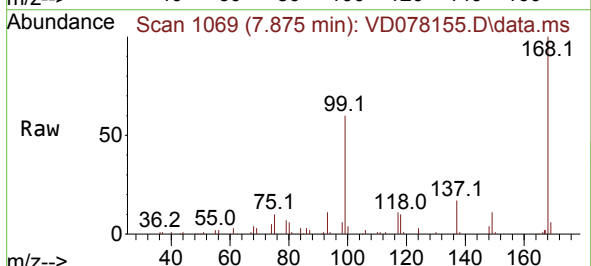
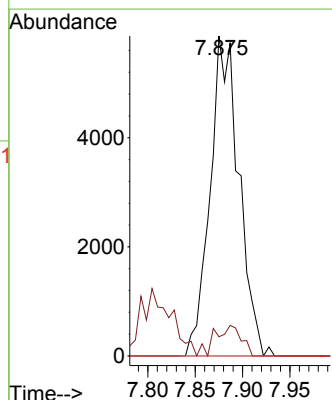
Tgt Ion: 75 Resp: 12417

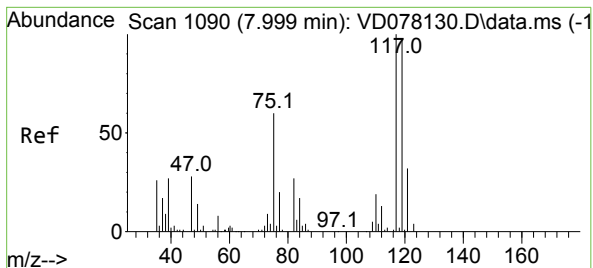
Ion Ratio Lower Upper

75 100

110 8.8 19.9 59.6#

77 0.0 24.7 37.1#





#38

Carbon Tetrachloride

Concen: 4.687 ug/l

RT: 7.881 min Scan# 1090

Delta R.T. -0.118 min

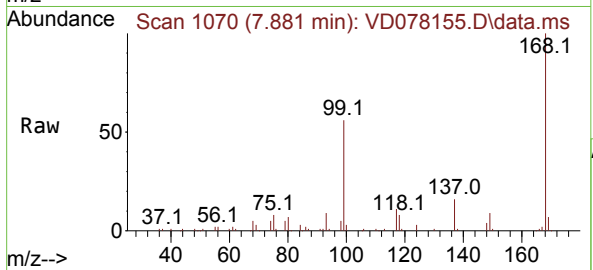
Lab File: VD078155.D

Acq: 15 Jan 2024 10:26

Instrument :

MSVOA_D

ClientSampleId :



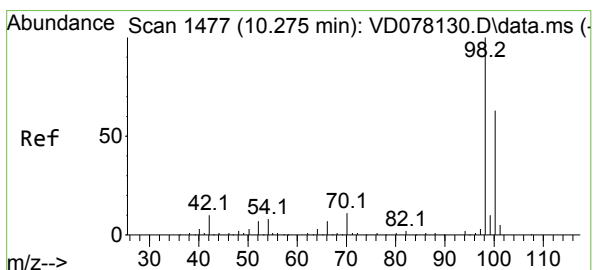
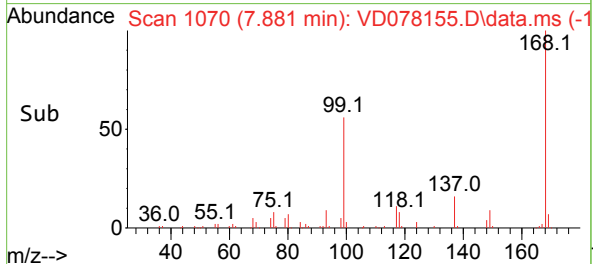
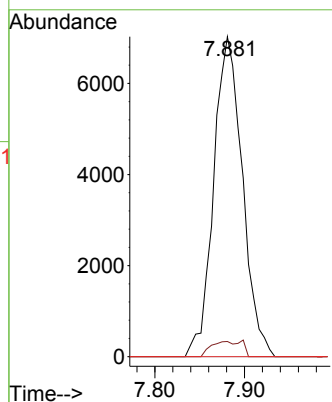
Tgt Ion:117 Resp: 15643

Ion Ratio Lower Upper

117 100

119 4.7 78.0 117.0#

121 0.0 24.2 36.2#



#50

Toluene-d8

Concen: 52.686 ug/l

RT: 10.275 min Scan# 1477

Delta R.T. -0.000 min

Lab File: VD078155.D

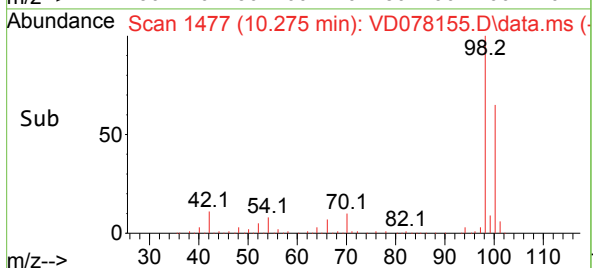
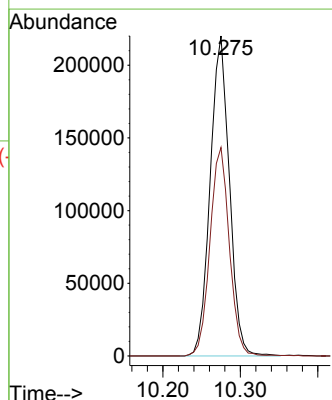
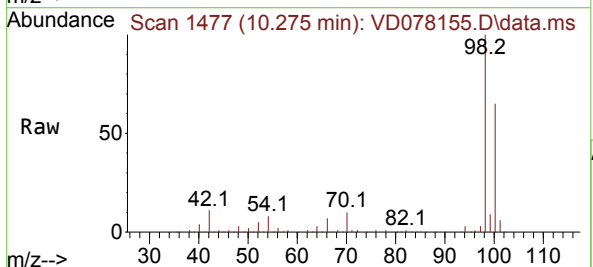
Acq: 15 Jan 2024 10:26

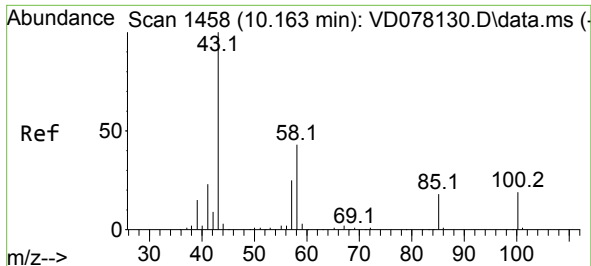
Tgt Ion: 98 Resp: 379220

Ion Ratio Lower Upper

98 100

100 65.8 50.3 75.5





#51

4-Methyl-2-Pentanone

Concen: 1.270 ug/l

RT: 10.269 min Scan# 1458

Delta R.T. 0.106 min

Lab File: VD078155.D

Acq: 15 Jan 2024 10:26

Instrument :

MSVOA_D

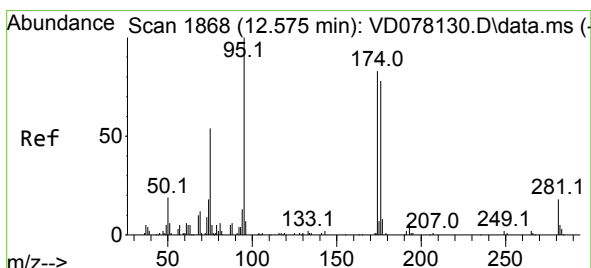
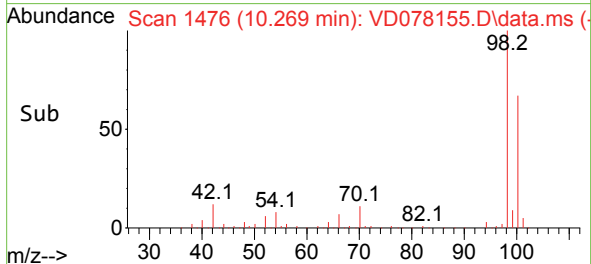
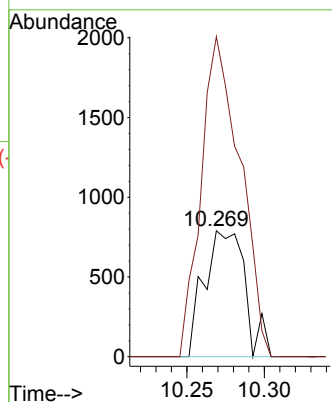
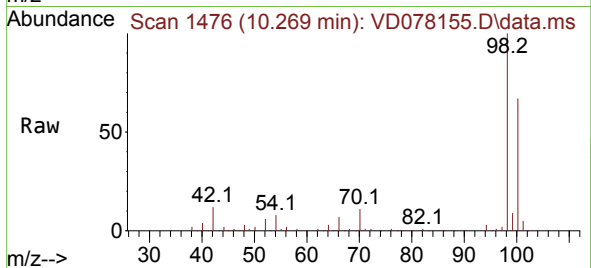
ClientSampleId :

Tgt Ion: 43 Resp: 1447

Ion Ratio Lower Upper

43 100

58 243.1 38.9 58.3#



#62

4-Bromofluorobenzene

Concen: 47.495 ug/l

RT: 12.575 min Scan# 1868

Delta R.T. -0.000 min

Lab File: VD078155.D

Acq: 15 Jan 2024 10:26

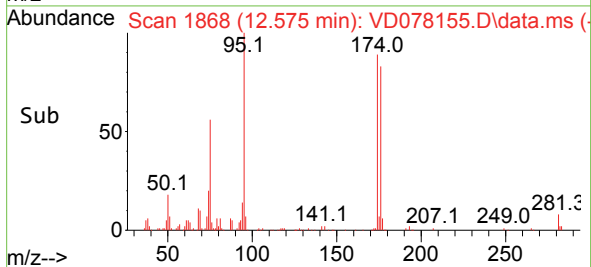
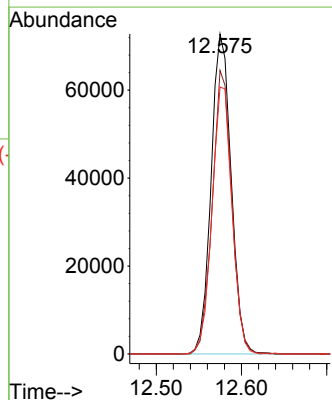
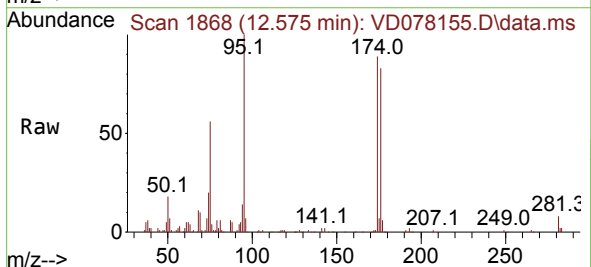
Tgt Ion: 95 Resp: 119004

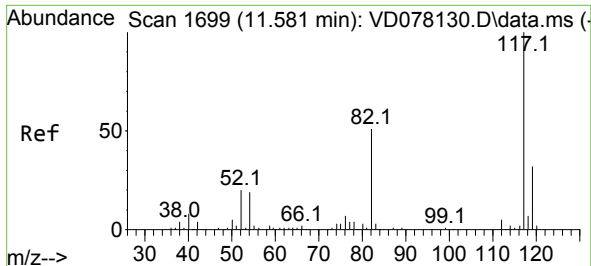
Ion Ratio Lower Upper

95 100

174 86.1 0.0 201.8

176 83.2 0.0 191.8





#63

Chlorobenzene-d5

Concen: 50.000 ug/l

RT: 11.587 min Scan# 11

Delta R.T. 0.006 min

Lab File: VD078155.D

Acq: 15 Jan 2024 10:26

Instrument :

MSVOA_D

ClientSampleId :

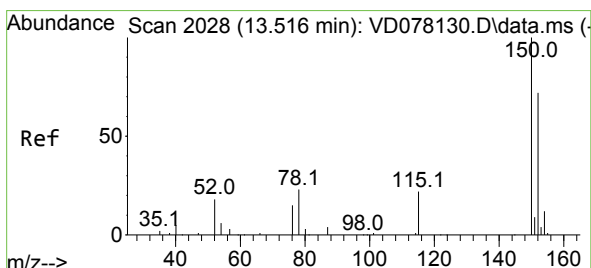
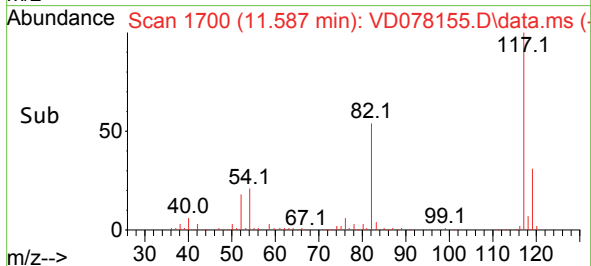
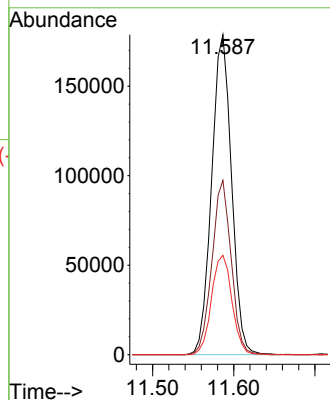
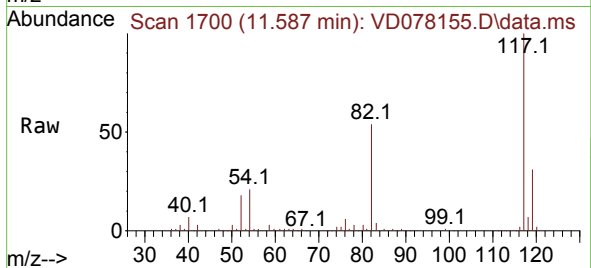
Tgt Ion:117 Resp: 304193

Ion Ratio Lower Upper

117 100

82 54.5 38.3 57.5

119 31.0 25.0 37.4



#72

1,4-Dichlorobenzene-d4

Concen: 50.000 ug/l

RT: 13.522 min Scan# 2029

Delta R.T. 0.006 min

Lab File: VD078155.D

Acq: 15 Jan 2024 10:26

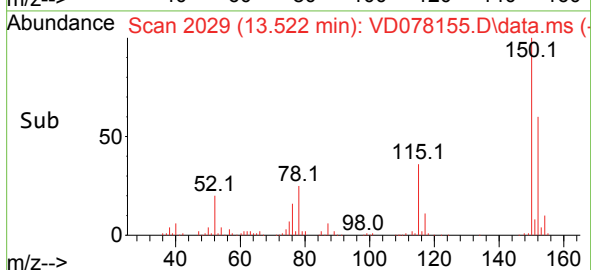
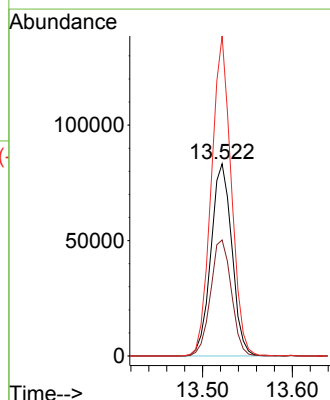
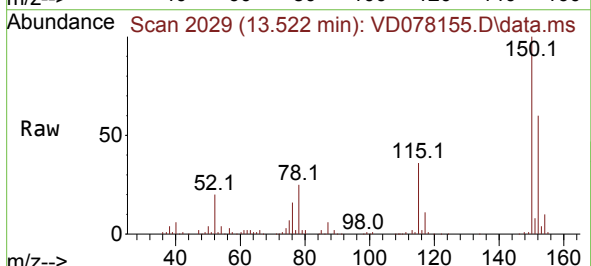
Tgt Ion:152 Resp: 134868

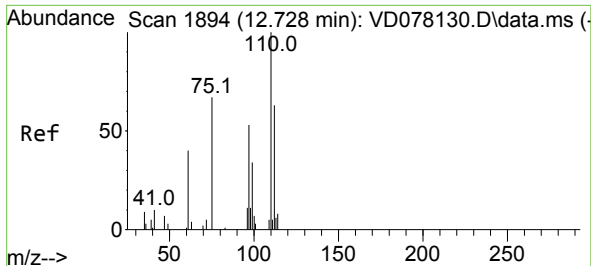
Ion Ratio Lower Upper

152 100

115 60.1 27.1 81.3

150 158.3 0.0 353.6

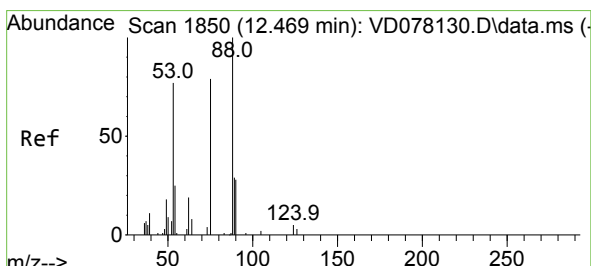
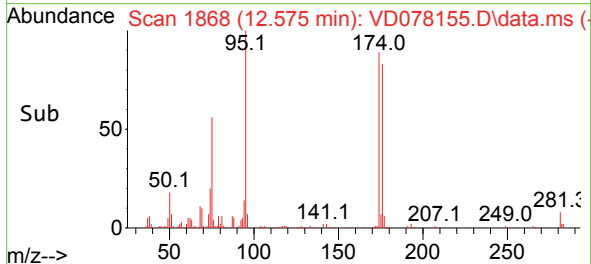
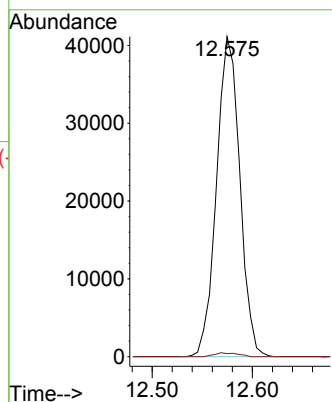
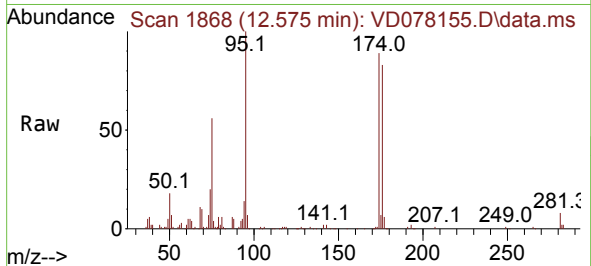




#76
1,2,3-Trichloropropane
Concen: 49.896 ug/l
RT: 12.575 min Scan# 1868
Delta R.T. -0.153 min
Lab File: VD078155.D
Acq: 15 Jan 2024 10:26

Instrument :
MSVOA_D
ClientSampleId :

Tgt Ion: 75 Resp: 66254
Ion Ratio Lower Upper
75 100
77 1.2 0.0 0.0#



#81
trans-1,4-Dichloro-2-butene
Concen: 111.197 ug/l
RT: 12.575 min Scan# 1868
Delta R.T. 0.106 min
Lab File: VD078155.D
Acq: 15 Jan 2024 10:26

Tgt Ion: 75 Resp: 66254
Ion Ratio Lower Upper
75 100
53 0.0 63.0 94.4#
89 0.1 37.9 56.9#

