

Data Path : Z:\voasrv\HPCHEM1\MSVOA_D\Data\VD050724\
 Data File : VD078877.D
 Acq On : 07 May 2024 13:49
 Operator : RP/MD
 Sample : P2398-03
 Misc : 5.72G/5ml/MSVOA_D/SOIL/A
 ALS Vial : 8 Sample Multiplier: 1

Instrument :
 MSVOA_D
 ClientSampleId :

Quant Time: May 08 04:21:59 2024
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_D\Method\82D050124S.M
 Quant Title : SW846 8260
 QLast Update : Thu May 02 07:55:11 2024
 Response via : Initial Calibration

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

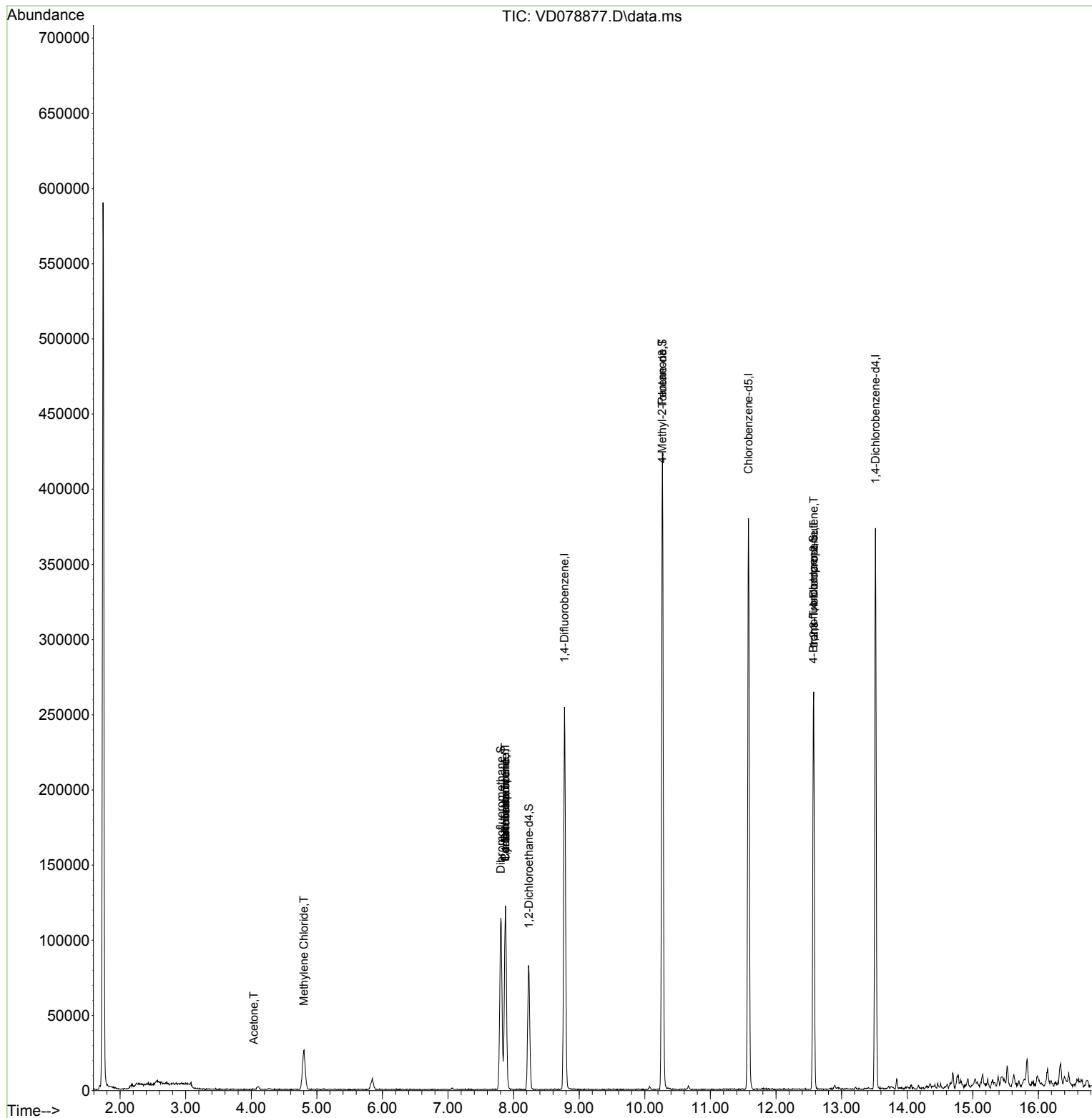
Internal Standards						
1) Pentafluorobenzene	7.875	168	97462	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	8.775	114	233880	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.581	117	237503	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.516	152	103657	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.234	65	63796	58.973	ug/l	0.00
Spiked Amount	50.000	Range	50 - 163	Recovery	=	117.940%
35) Dibromofluoromethane	7.805	113	83143	48.417	ug/l	0.00
Spiked Amount	50.000	Range	54 - 147	Recovery	=	96.840%
50) Toluene-d8	10.269	98	298867	45.351	ug/l	0.00
Spiked Amount	50.000	Range	58 - 134	Recovery	=	90.700%
62) 4-Bromofluorobenzene	12.569	95	81763	43.351	ug/l	0.00
Spiked Amount	50.000	Range	30 - 143	Recovery	=	86.700%
Target Compounds						
					Qvalue	
16) Acetone	4.040	43	303	1.878	ug/l #	39
20) Methylene Chloride	4.805	84	22786	14.129	ug/l	92
31) Cyclohexane	7.875	56	1817	1.131	ug/l #	12
36) 1,1-Dichloropropene	7.875	75	7264	3.289	ug/l #	49
38) Carbon Tetrachloride	7.875	117	9884	3.887	ug/l #	11
51) 4-Methyl-2-Pentanone	10.263	43	1242	1.736	ug/l #	1
76) 1,2,3-Trichloropropane	12.575	75	41332	47.928	ug/l #	100
81) trans-1,4-Dichloro-2-b...	12.575	75	41332	93.644	ug/l #	19

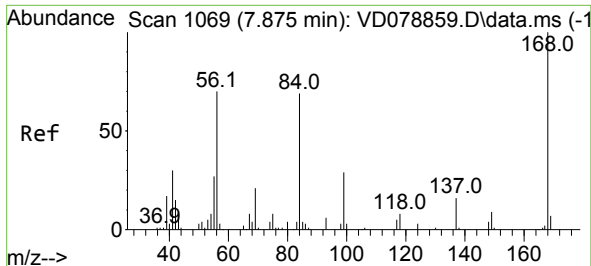
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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Quant Title : SW846 8260
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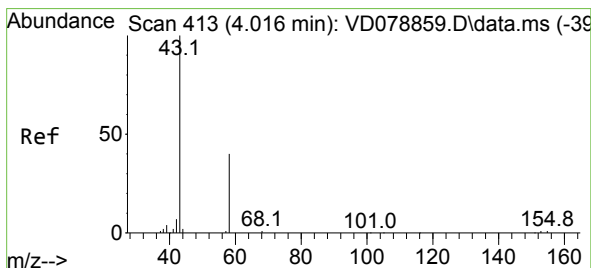
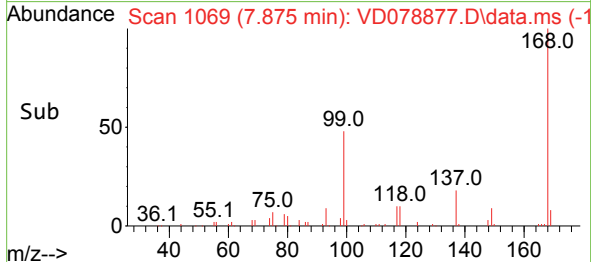
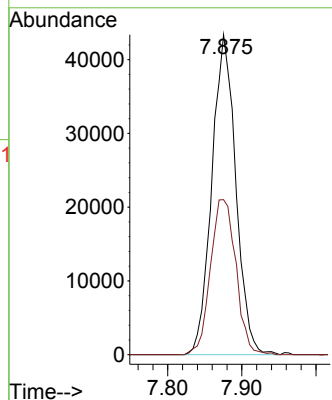
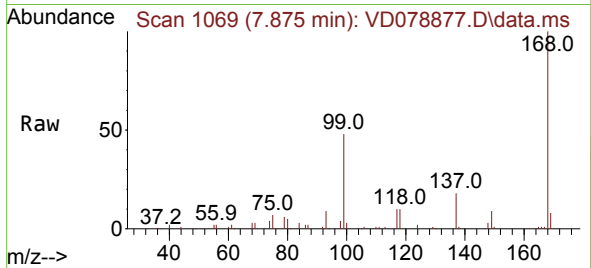




#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 7.875 min Scan# 1069
Delta R.T. 0.000 min
Lab File: VD078877.D
Acq: 07 May 2024 13:49

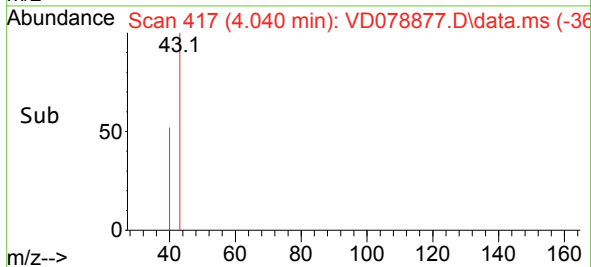
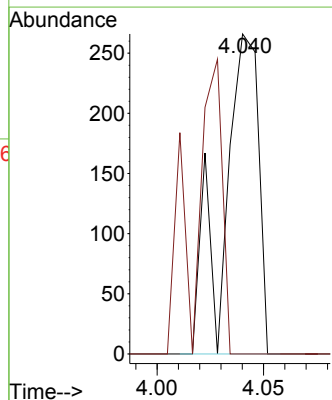
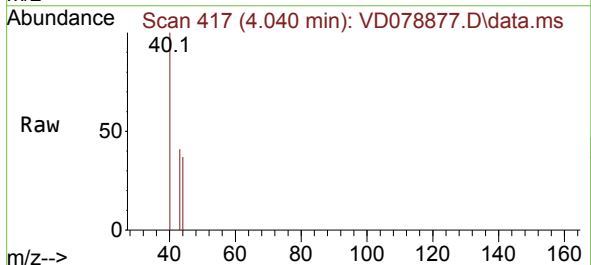
Instrument :
MSVOA_D
ClientSampleId :

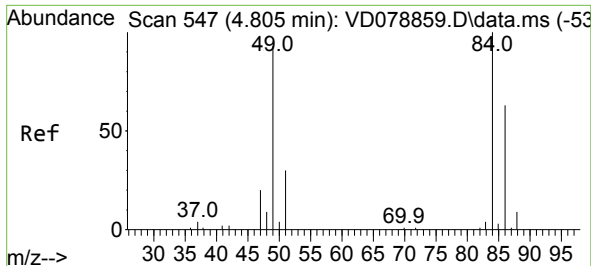
Tgt Ion:168 Resp: 97462
Ion Ratio Lower Upper
168 100
99 48.5 38.8 58.2



#16
Acetone
Concen: 1.878 ug/l
RT: 4.040 min Scan# 417
Delta R.T. 0.024 min
Lab File: VD078877.D
Acq: 07 May 2024 13:49

Tgt Ion: 43 Resp: 303
Ion Ratio Lower Upper
43 100
58 0.0 28.2 42.4#





#20

Methylene Chloride

Concen: 14.129 ug/l

RT: 4.805 min Scan# 54

Delta R.T. -0.000 min

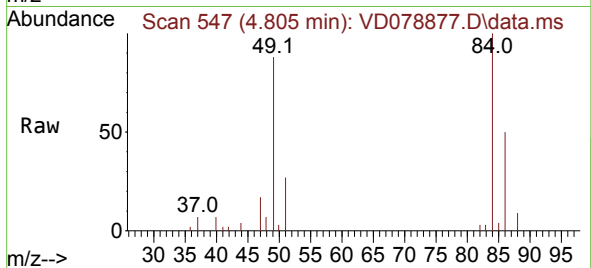
Lab File: VD078877.D

Acq: 07 May 2024 13:49

Instrument :

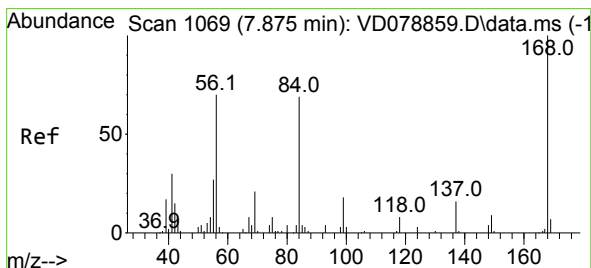
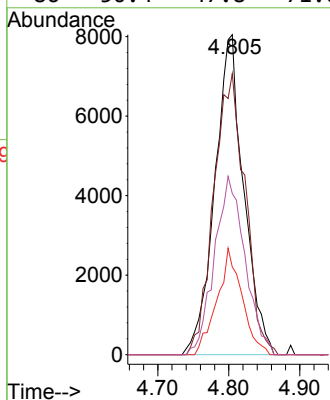
MSVOA_D

ClientSampleId :



Tgt Ion: 84 Resp: 22786

Ion	Ratio	Lower	Upper
84	100		
49	87.8	75.6	113.4
51	27.4	23.4	35.0
86	50.4	47.8	71.6



#31

Cyclohexane

Concen: 1.131 ug/l

RT: 7.875 min Scan# 1069

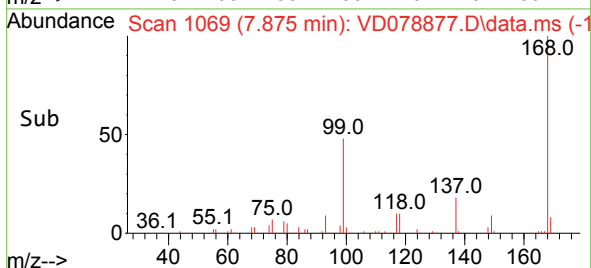
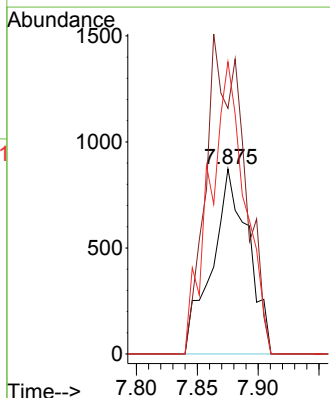
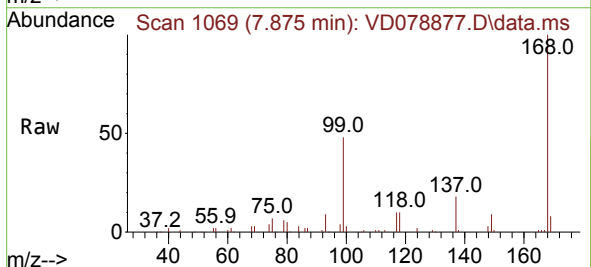
Delta R.T. 0.000 min

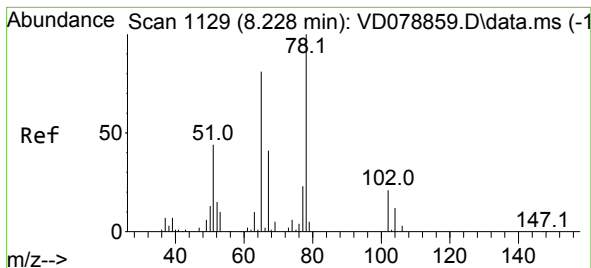
Lab File: VD078877.D

Acq: 07 May 2024 13:49

Tgt Ion: 56 Resp: 1817

Ion	Ratio	Lower	Upper
56	100		
69	132.6	26.6	40.0#
84	157.8	79.4	119.2#





#33

1,2-Dichloroethane-d4

Concen: 58.973 ug/l

RT: 8.234 min Scan# 1129

Delta R.T. 0.006 min

Lab File: VD078877.D

Acq: 07 May 2024 13:49

Instrument :

MSVOA_D

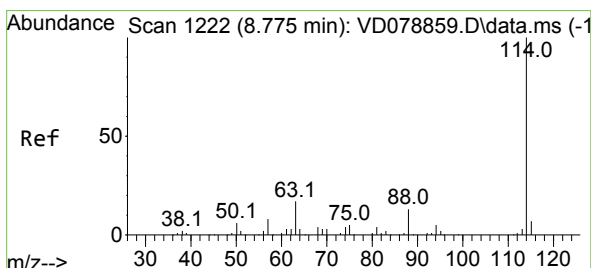
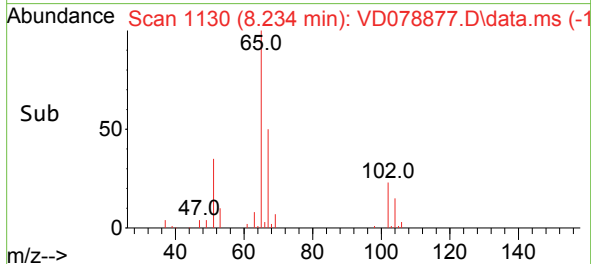
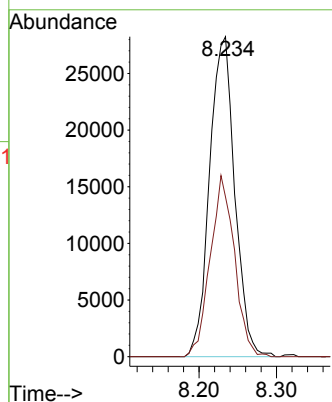
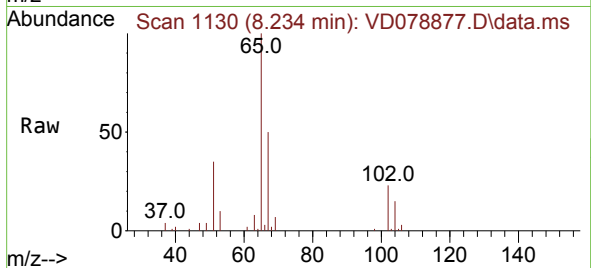
ClientSampleId :

Tgt Ion: 65 Resp: 63796

Ion Ratio Lower Upper

65 100

67 54.5 0.0 110.2



#34

1,4-Difluorobenzene

Concen: 50.000 ug/l

RT: 8.775 min Scan# 1222

Delta R.T. 0.000 min

Lab File: VD078877.D

Acq: 07 May 2024 13:49

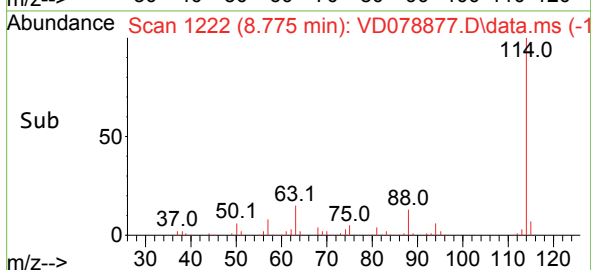
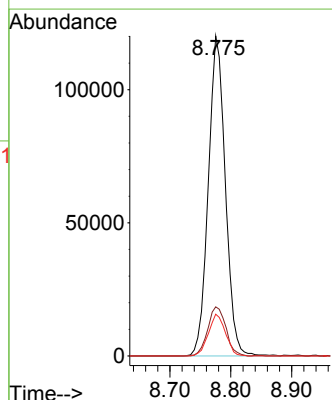
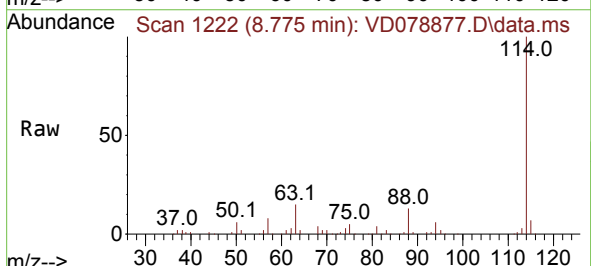
Tgt Ion: 114 Resp: 233880

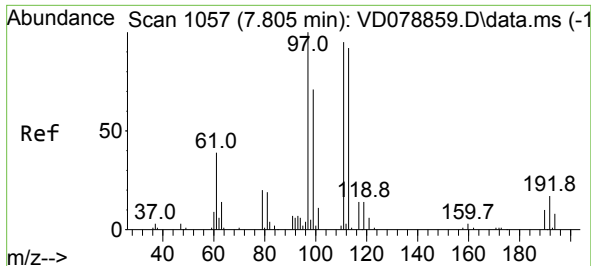
Ion Ratio Lower Upper

114 100

63 15.3 0.0 33.4

88 13.0 0.0 24.6





#35

Dibromofluoromethane

Concen: 48.417 ug/l

RT: 7.805 min Scan# 1057

Delta R.T. 0.000 min

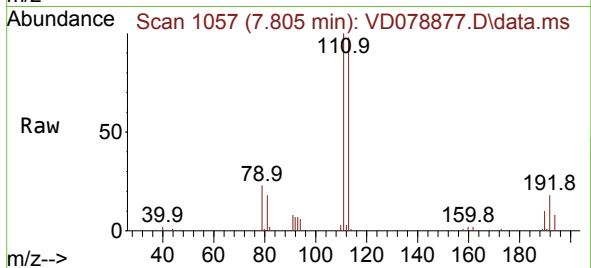
Lab File: VD078877.D

Acq: 07 May 2024 13:49

Instrument :

MSVOA_D

ClientSampleId :



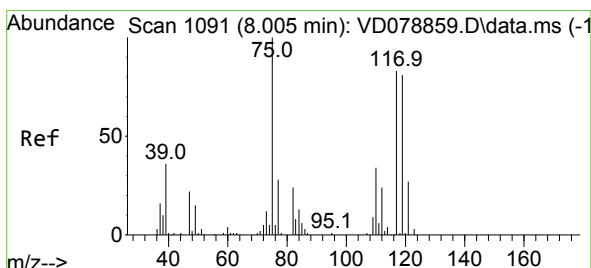
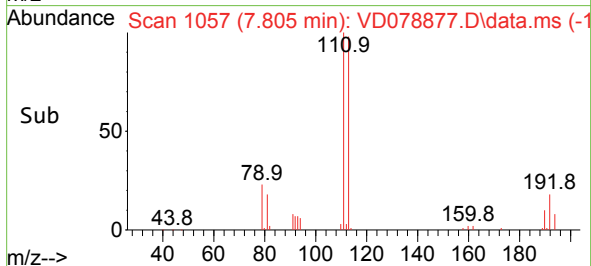
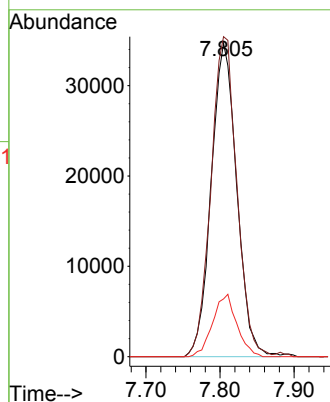
Tgt Ion:113 Resp: 83143

Ion Ratio Lower Upper

113 100

111 103.2 81.9 122.9

192 18.8 15.4 23.0



#36

1,1-Dichloropropene

Concen: 3.289 ug/l

RT: 7.875 min Scan# 1069

Delta R.T. -0.129 min

Lab File: VD078877.D

Acq: 07 May 2024 13:49

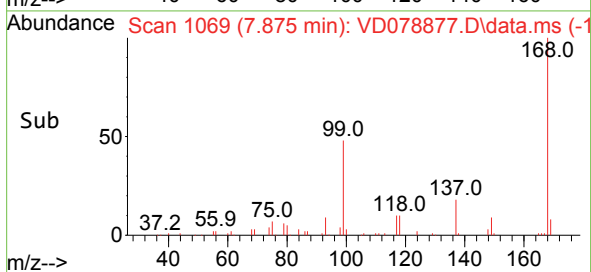
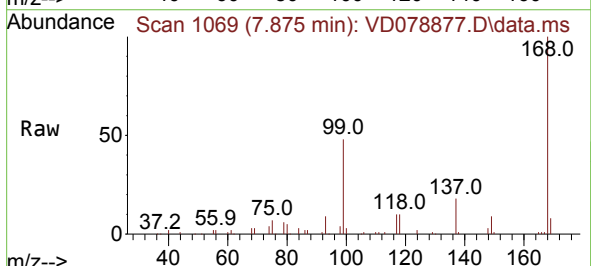
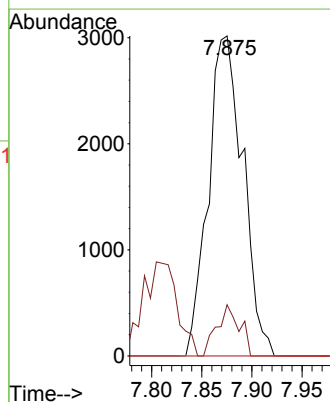
Tgt Ion: 75 Resp: 7264

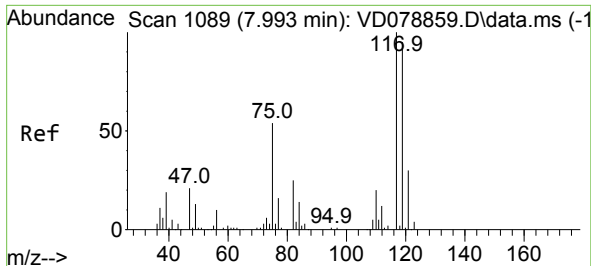
Ion Ratio Lower Upper

75 100

110 10.4 19.1 57.1#

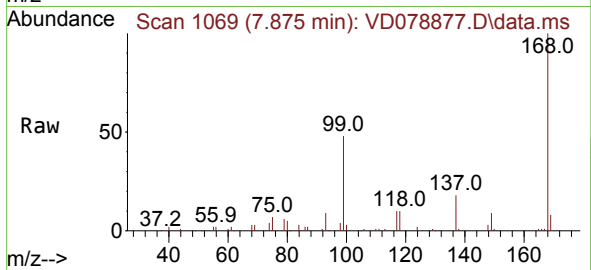
77 0.0 25.4 38.2#



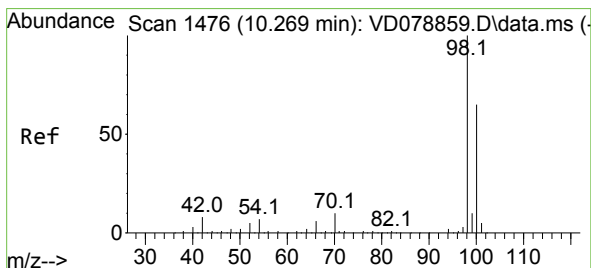
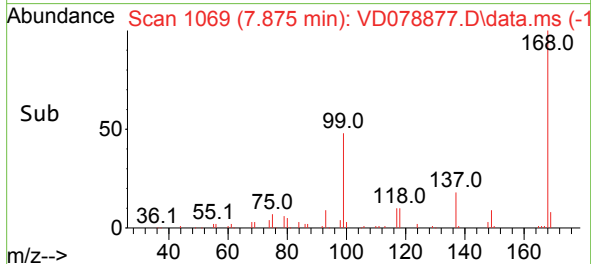
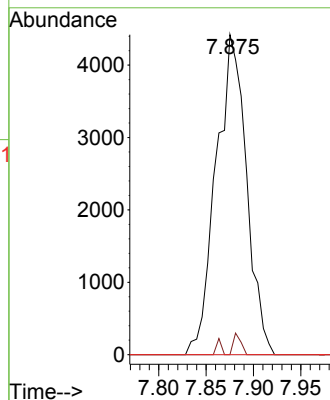


#38
Carbon Tetrachloride
Concen: 3.887 ug/l
RT: 7.875 min Scan# 1089
Delta R.T. -0.118 min
Lab File: VD078877.D
Acq: 07 May 2024 13:49

Instrument :
MSVOA_D
ClientSampleId :

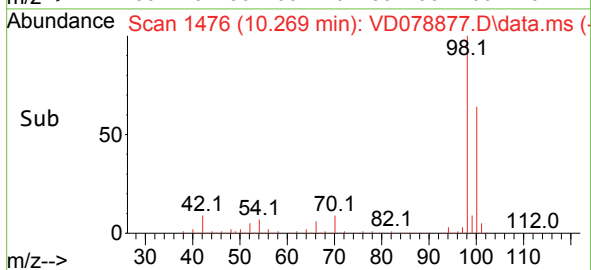
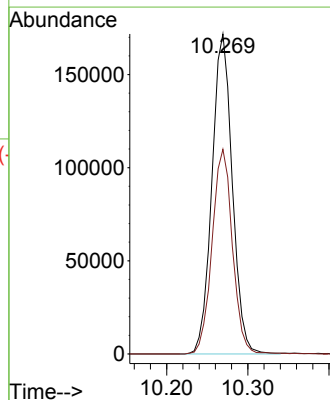
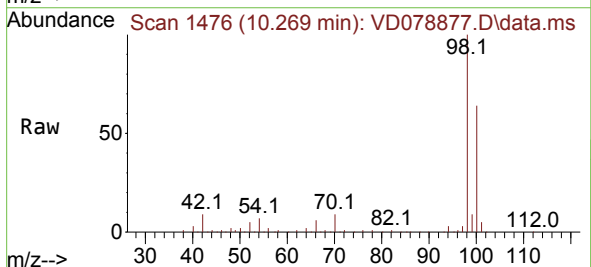


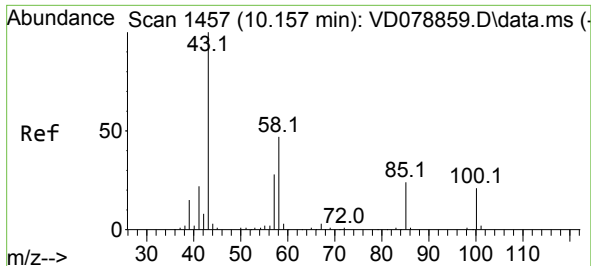
Tgt Ion:117 Resp: 9884
Ion Ratio Lower Upper
117 100
119 0.0 79.2 118.8#
121 0.0 26.8 40.2#



#50
Toluene-d8
Concen: 45.351 ug/l
RT: 10.269 min Scan# 1476
Delta R.T. 0.000 min
Lab File: VD078877.D
Acq: 07 May 2024 13:49

Tgt Ion: 98 Resp: 298867
Ion Ratio Lower Upper
98 100
100 64.0 50.5 75.7





#51

4-Methyl-2-Pentanone

Concen: 1.736 ug/l

RT: 10.263 min Scan# 1457

Delta R.T. 0.106 min

Lab File: VD078877.D

Acq: 07 May 2024 13:49

Instrument :

MSVOA_D

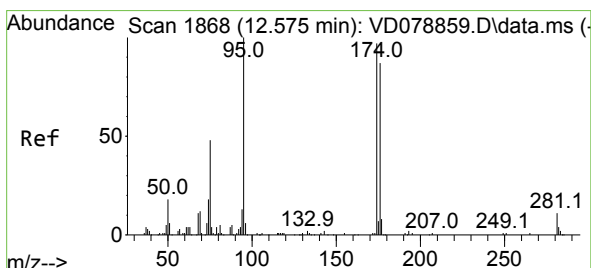
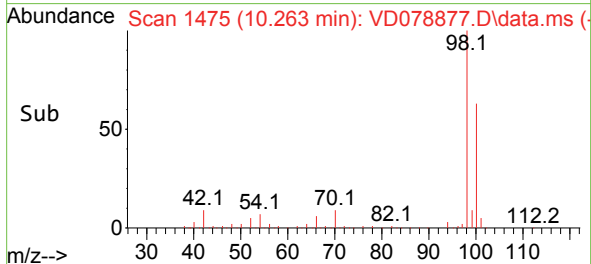
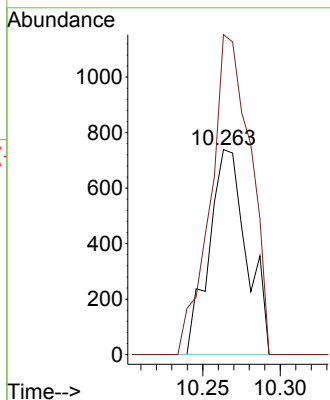
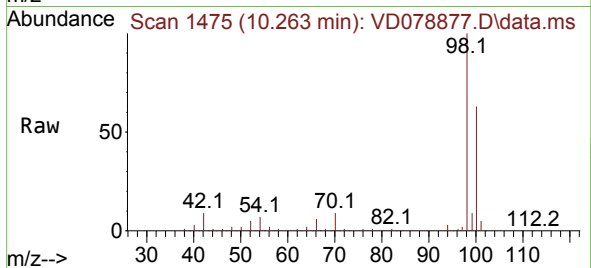
ClientSampleId :

Tgt Ion: 43 Resp: 1242

Ion Ratio Lower Upper

43 100

58 166.0 36.4 54.6#



#62

4-Bromofluorobenzene

Concen: 43.351 ug/l

RT: 12.569 min Scan# 1867

Delta R.T. -0.006 min

Lab File: VD078877.D

Acq: 07 May 2024 13:49

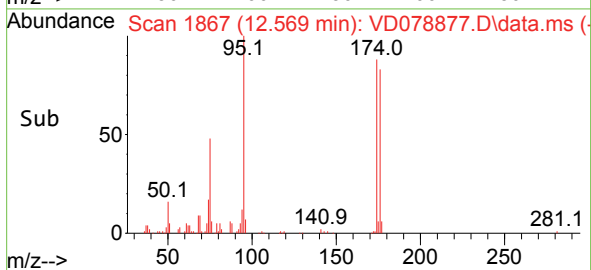
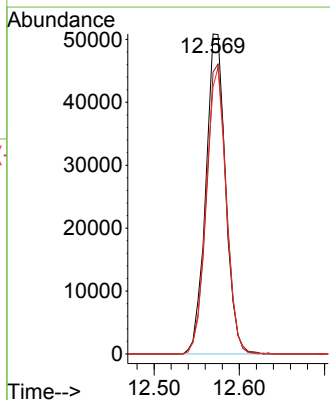
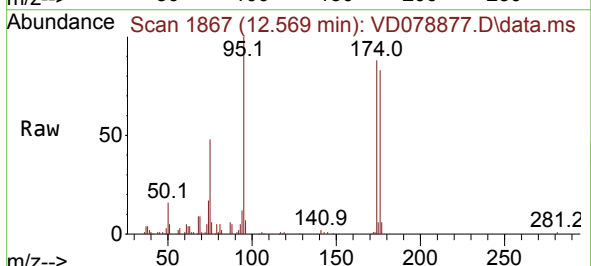
Tgt Ion: 95 Resp: 81763

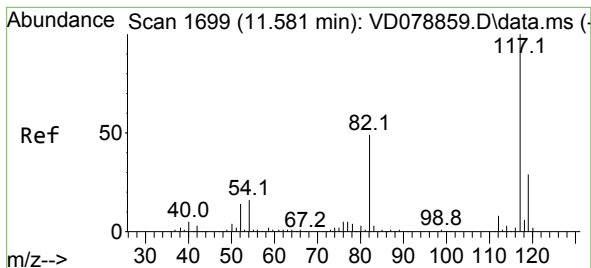
Ion Ratio Lower Upper

95 100

174 92.3 0.0 195.2

176 90.7 0.0 188.2





#63

Chlorobenzene-d5

Concen: 50.000 ug/l

RT: 11.581 min Scan# 1

Delta R.T. 0.000 min

Lab File: VD078877.D

Acq: 07 May 2024 13:49

Instrument :

MSVOA_D

ClientSampleId :

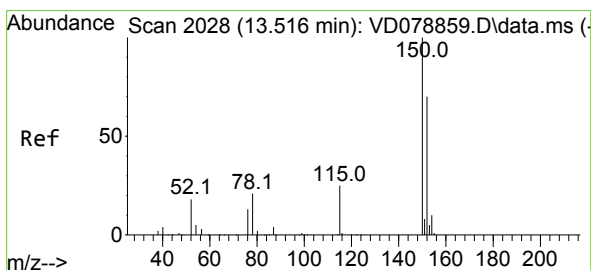
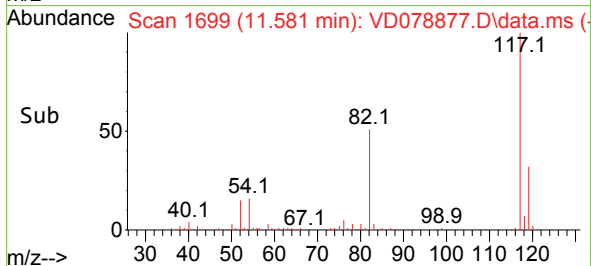
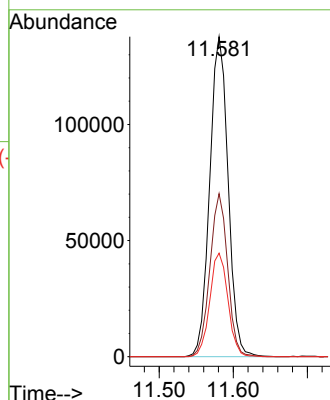
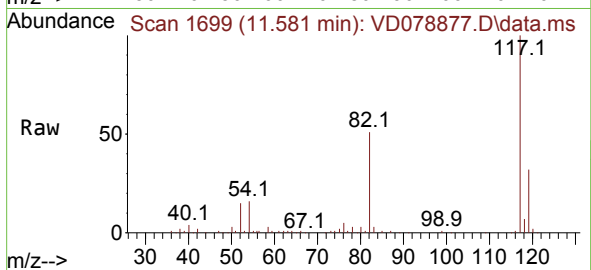
Tgt Ion:117 Resp: 237503

Ion Ratio Lower Upper

117 100

82 51.0 41.4 62.2

119 32.3 26.5 39.7



#72

1,4-Dichlorobenzene-d4

Concen: 50.000 ug/l

RT: 13.516 min Scan# 2028

Delta R.T. 0.000 min

Lab File: VD078877.D

Acq: 07 May 2024 13:49

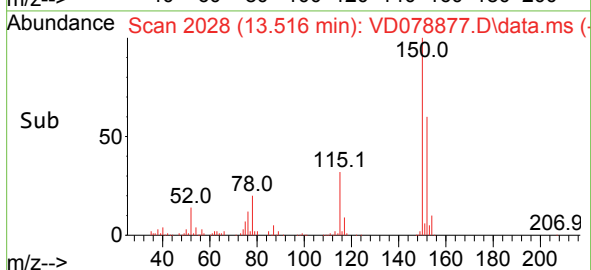
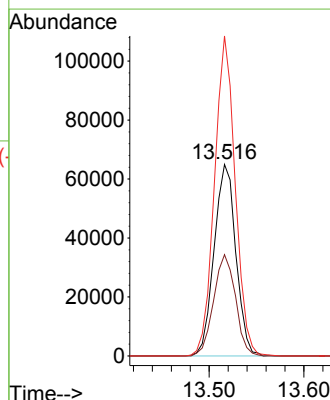
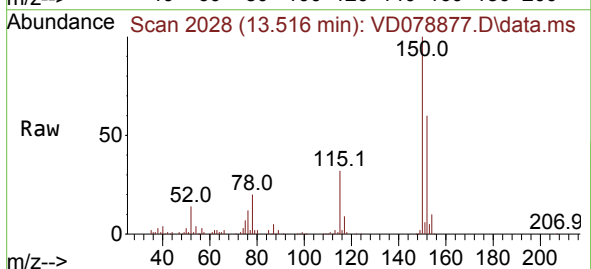
Tgt Ion:152 Resp: 103657

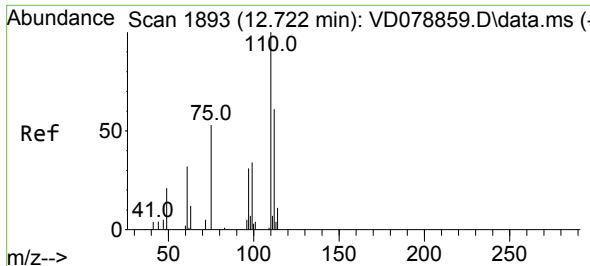
Ion Ratio Lower Upper

152 100

115 53.0 27.1 81.2

150 158.9 0.0 350.2

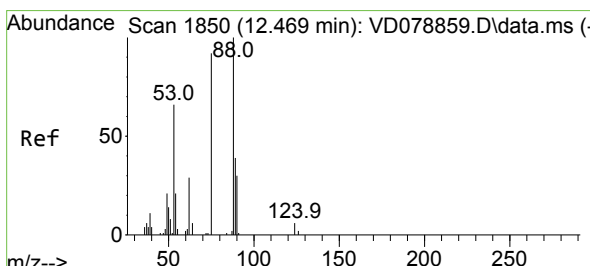
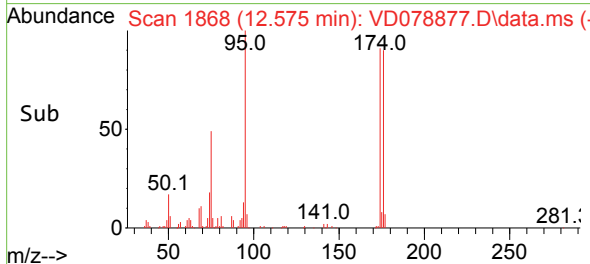
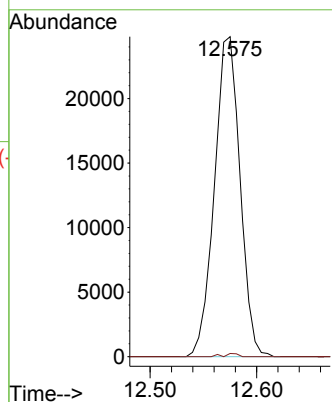
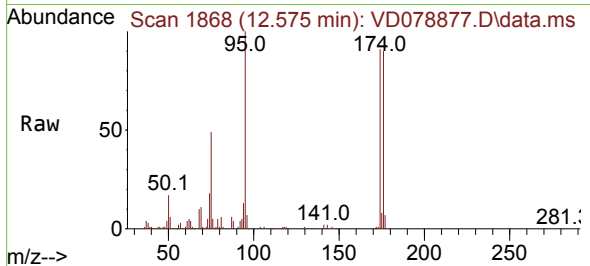




#76
1,2,3-Trichloropropane
Concen: 47.928 ug/l
RT: 12.575 min Scan# 1868
Delta R.T. -0.147 min
Lab File: VD078877.D
Acq: 07 May 2024 13:49

Instrument :
MSVOA_D
ClientSampleId :

Tgt Ion: 75 Resp: 41332
Ion Ratio Lower Upper
75 100
77 0.6 0.0 0.0#



#81
trans-1,4-Dichloro-2-butene
Concen: 93.644 ug/l
RT: 12.575 min Scan# 1868
Delta R.T. 0.106 min
Lab File: VD078877.D
Acq: 07 May 2024 13:49

Tgt Ion: 75 Resp: 41332
Ion Ratio Lower Upper
75 100
53 0.0 61.0 91.6#
89 0.0 35.4 53.0#

