

Data Path : Z:\voasrv\HPCHEM1\MSVOA_D\Data\VD010824\
 Data File : VD078133.D
 Acq On : 08 Jan 2024 15:36
 Operator : RP/MD
 Sample : VIBLK
 Misc : 5.00G/5.0ml/MSVOA_D/SOIL
 ALS Vial : 8 Sample Multiplier: 1

Instrument :
 MSVOA_D
 ClientSampleId :

Quant Time: Jan 09 01:03:03 2024
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_D\Method\82D010824S.M
 Quant Title : SW846 8260
 QLast Update : Tue Jan 09 00:46:13 2024
 Response via : Initial Calibration

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

Internal Standards						
1) Pentafluorobenzene	7.881	168	173566	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	8.781	114	321586	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.581	117	299108	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.522	152	133435	50.000	ug/l	0.00

System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.234	65	80986	44.321	ug/l	0.00
Spiked Amount	50.000	Range	50 - 163	Recovery	=	88.640%
35) Dibromofluoromethane	7.811	113	96316	41.557	ug/l	0.00
Spiked Amount	50.000	Range	54 - 147	Recovery	=	83.120%
50) Toluene-d8	10.269	98	385436	49.588	ug/l	0.00
Spiked Amount	50.000	Range	58 - 134	Recovery	=	99.180%
62) 4-Bromofluorobenzene	12.575	95	116831	43.179	ug/l	0.00
Spiked Amount	50.000	Range	30 - 143	Recovery	=	86.360%

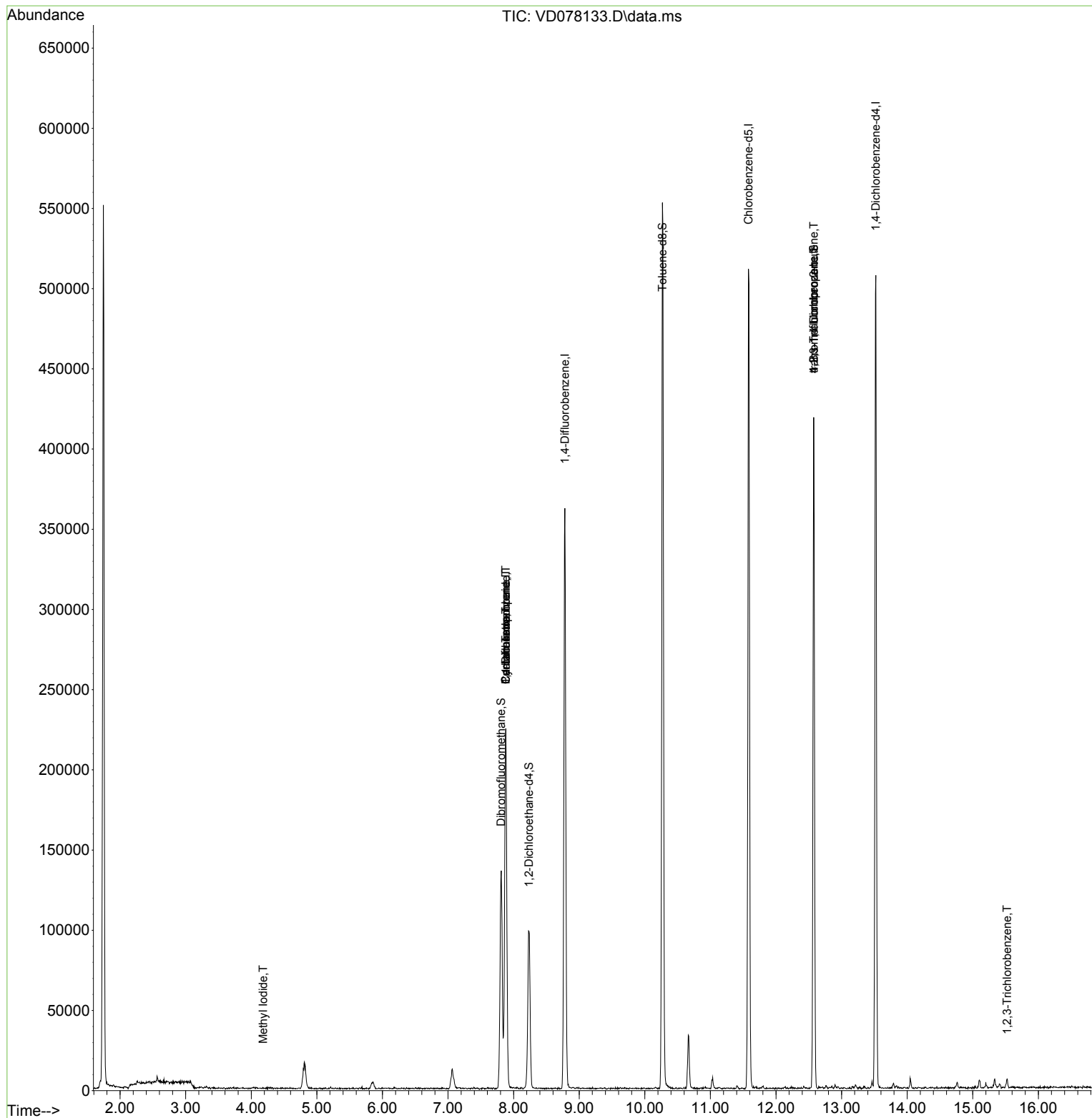
Target Compounds					Qvalue	
10) Methyl Iodide	4.181	142	744	1.538	ug/l	# 46
13) Acrolein	3.817	56	73	Below Cal		# 15
16) Acetone	4.046	43	1052	Below Cal		# 32
20) Methylene Chloride	4.811	84	11944	Below Cal		# 86
31) Cyclohexane	7.881	56	3884	1.405	ug/l	# 37
36) 1,1-Dichloropropene	7.881	75	13429	4.291	ug/l	# 52
38) Carbon Tetrachloride	7.881	117	18080	5.016	ug/l	# 17
76) 1,2,3-Trichloropropane	12.575	75	64720	46.030	ug/l	# 100
81) trans-1,4-Dichloro-2-b...	12.575	75	64720	109.789	ug/l	# 17
96) 1,2,3-Trichlorobenzene	15.522	180	2432	1.056	ug/l	# 88

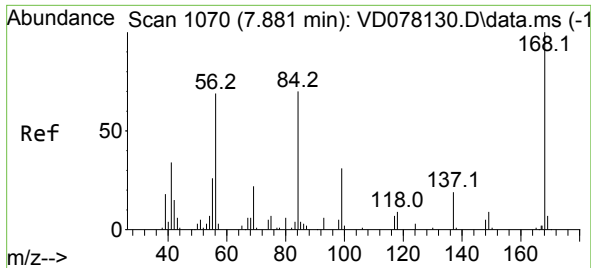
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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Response via : Initial Calibration

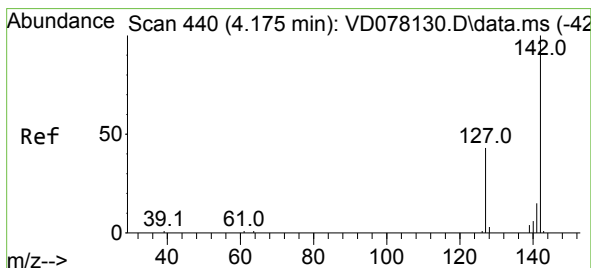
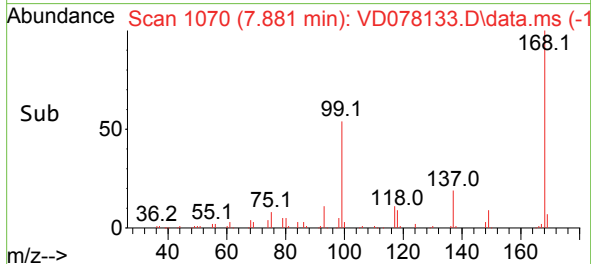
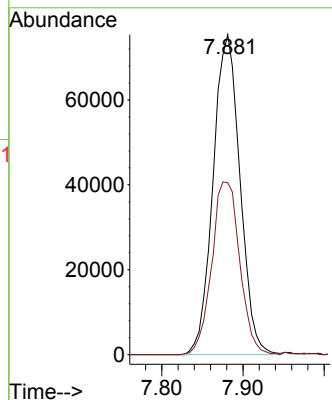
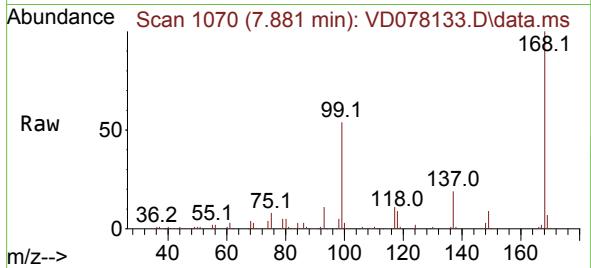




#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 7.881 min Scan# 1070
Delta R.T. 0.000 min
Lab File: VD078133.D
Acq: 08 Jan 2024 15:36

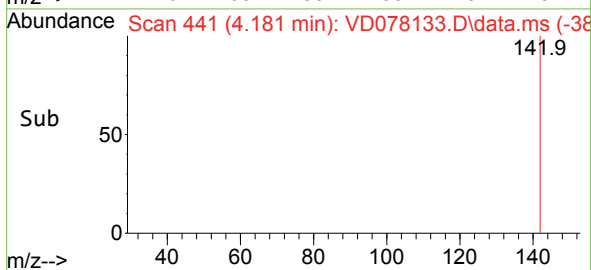
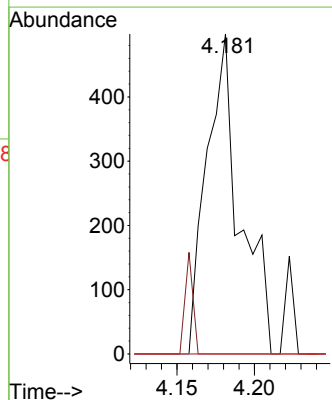
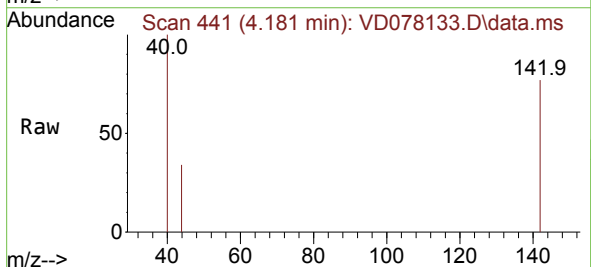
Instrument :
MSVOA_D
ClientSampleId :

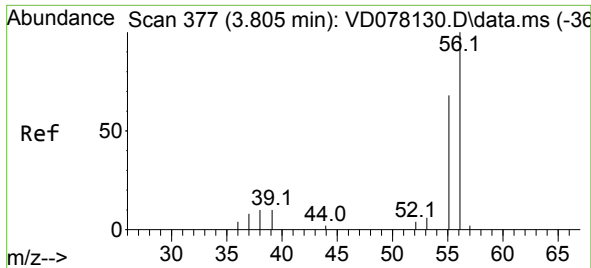
Tgt Ion:168 Resp: 173566
Ion Ratio Lower Upper
168 100
99 53.8 36.7 55.1



#10
Methyl Iodide
Concen: 1.538 ug/l
RT: 4.181 min Scan# 441
Delta R.T. 0.006 min
Lab File: VD078133.D
Acq: 08 Jan 2024 15:36

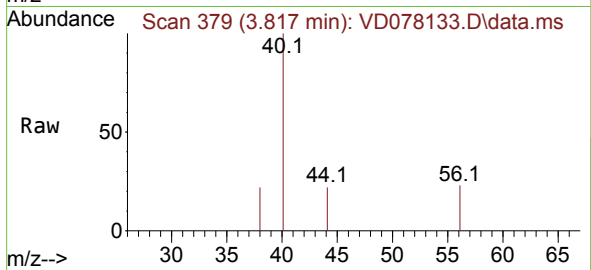
Tgt Ion:142 Resp: 744
Ion Ratio Lower Upper
142 100
127 0.0 29.4 44.0#
141 0.0 11.1 16.7#



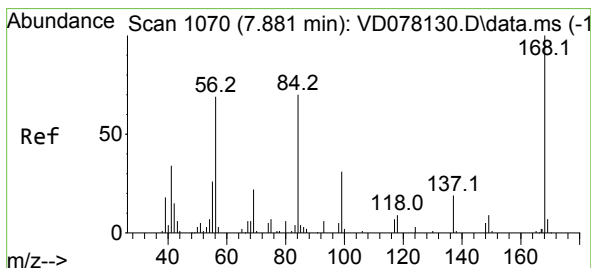
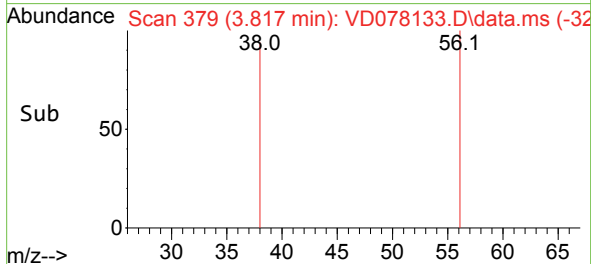
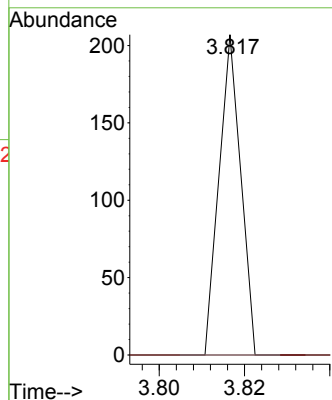


#13
Acrolein
Concen: Below Cal
RT: 3.817 min Scan# 31
Delta R.T. 0.012 min
Lab File: VD078133.D
Acq: 08 Jan 2024 15:36

Instrument :
MSVOA_D
ClientSampleId :

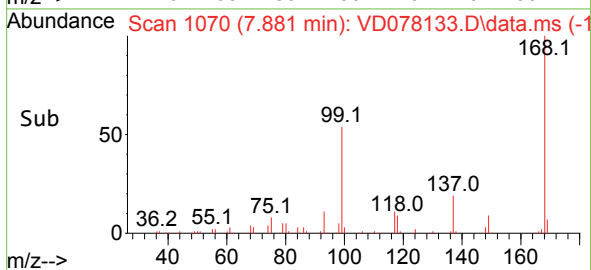
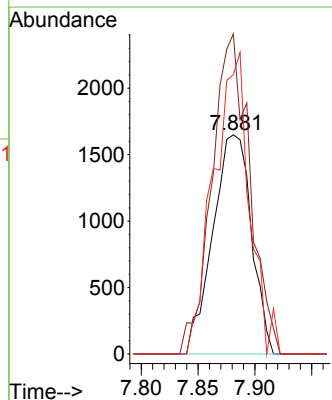
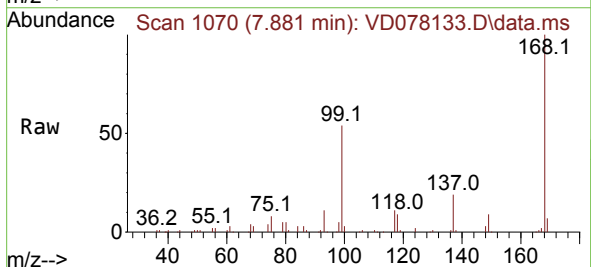


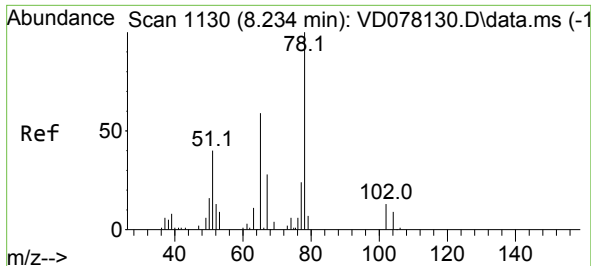
Tgt Ion: 56 Resp: 73
Ion Ratio Lower Upper
56 100
55 0.0 55.1 82.7#



#31
Cyclohexane
Concen: 1.405 ug/l
RT: 7.881 min Scan# 1070
Delta R.T. 0.000 min
Lab File: VD078133.D
Acq: 08 Jan 2024 15:36

Tgt Ion: 56 Resp: 3884
Ion Ratio Lower Upper
56 100
69 146.0 28.6 43.0#
84 127.4 84.8 127.2#





#33

1,2-Dichloroethane-d4

Concen: 44.321 ug/l

RT: 8.234 min Scan# 1130

Delta R.T. 0.000 min

Lab File: VD078133.D

Acq: 08 Jan 2024 15:36

Instrument :

MSVOA_D

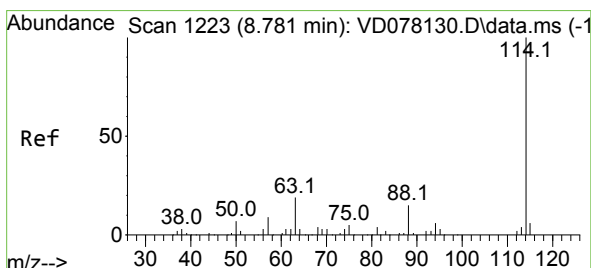
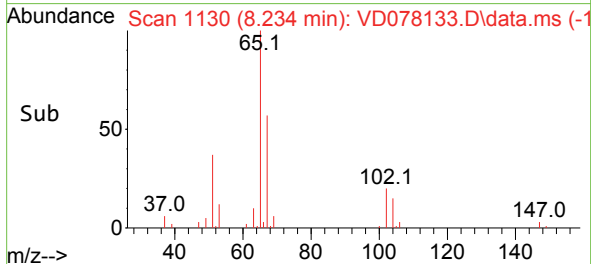
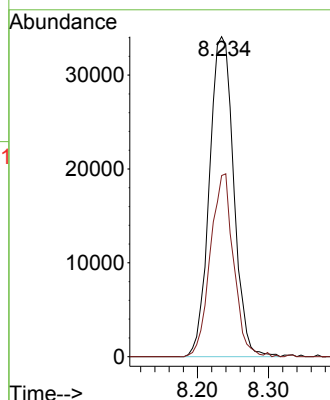
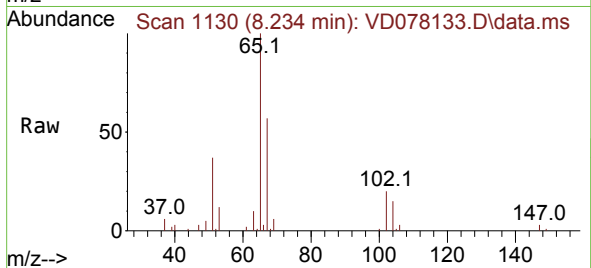
ClientSampleId :

Tgt Ion: 65 Resp: 80986

Ion Ratio Lower Upper

65 100

67 54.4 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: VD078133.D

Acq: 08 Jan 2024 15:36

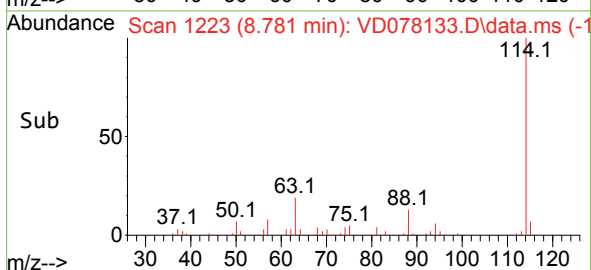
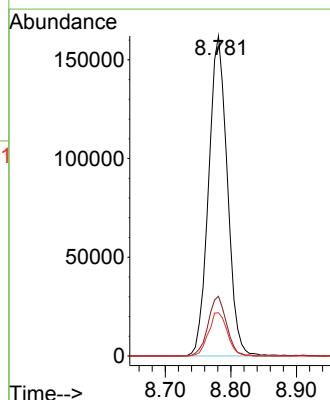
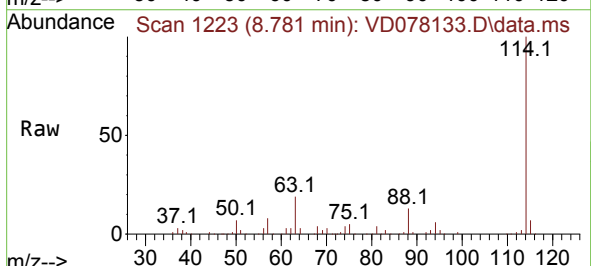
Tgt Ion: 114 Resp: 321586

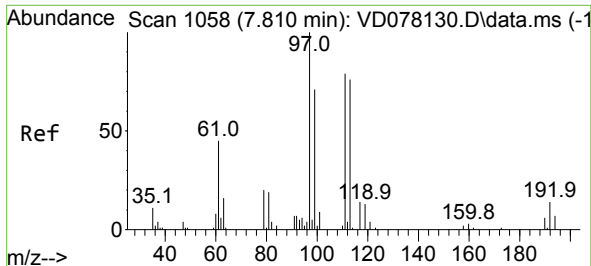
Ion Ratio Lower Upper

114 100

63 18.6 0.0 33.4

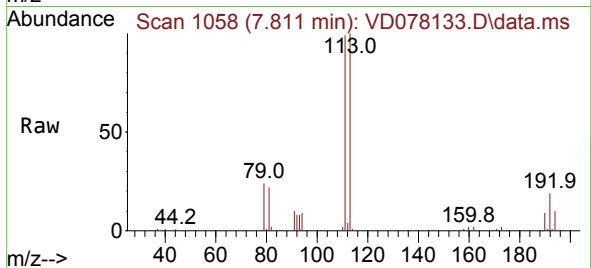
88 13.5 0.0 26.2



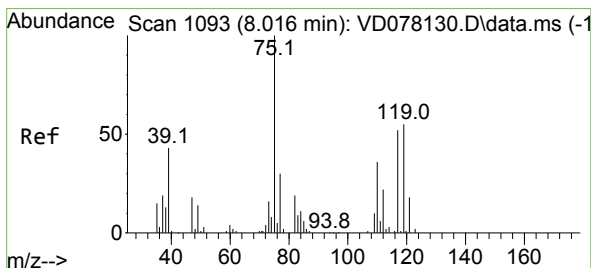
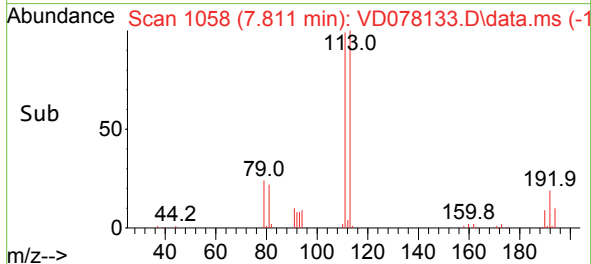
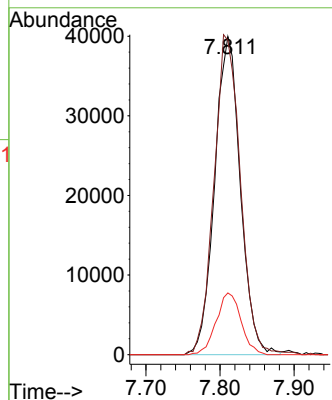


#35
Dibromofluoromethane
Concen: 41.557 ug/l
RT: 7.811 min Scan# 1058
Delta R.T. 0.000 min
Lab File: VD078133.D
Acq: 08 Jan 2024 15:36

Instrument :
MSVOA_D
ClientSampleId :

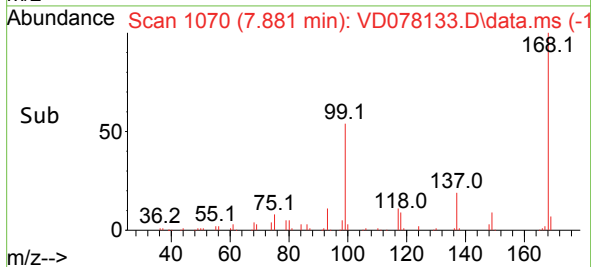
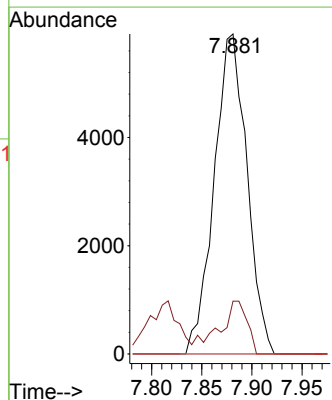
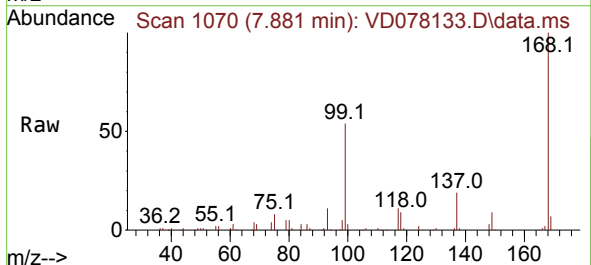


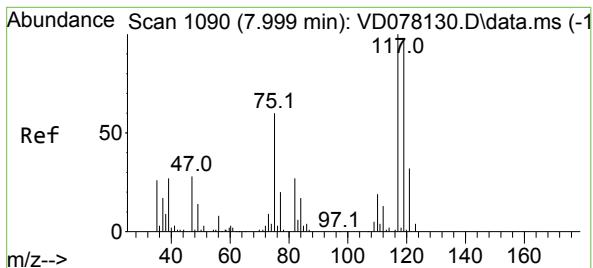
Tgt Ion:113 Resp: 96316
Ion Ratio Lower Upper
113 100
111 103.2 84.7 127.1
192 18.8 16.8 25.2



#36
1,1-Dichloropropene
Concen: 4.291 ug/l
RT: 7.881 min Scan# 1070
Delta R.T. -0.135 min
Lab File: VD078133.D
Acq: 08 Jan 2024 15:36

Tgt Ion: 75 Resp: 13429
Ion Ratio Lower Upper
75 100
110 14.2 19.9 59.6#
77 0.0 24.7 37.1#





#38

Carbon Tetrachloride

Concen: 5.016 ug/l

RT: 7.881 min Scan# 1090

Delta R.T. -0.118 min

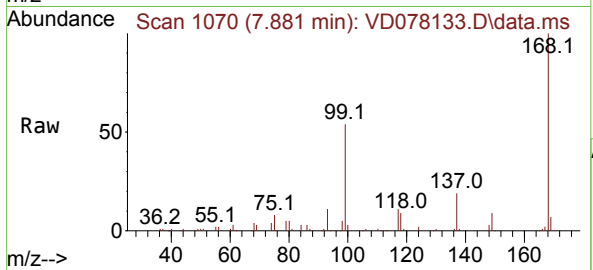
Lab File: VD078133.D

Acq: 08 Jan 2024 15:36

Instrument :

MSVOA_D

ClientSampleId :



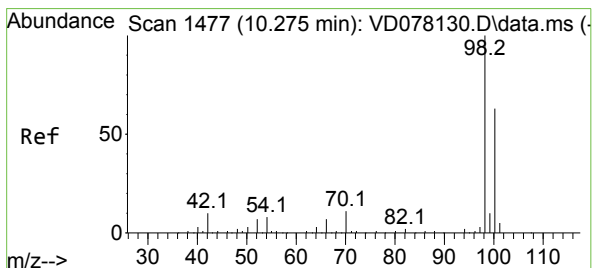
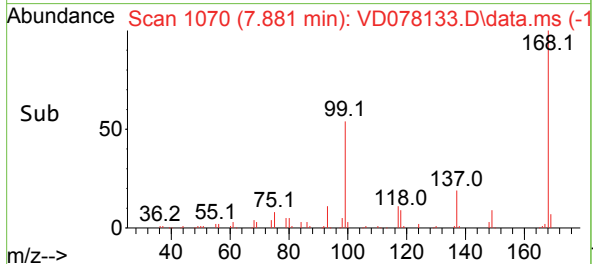
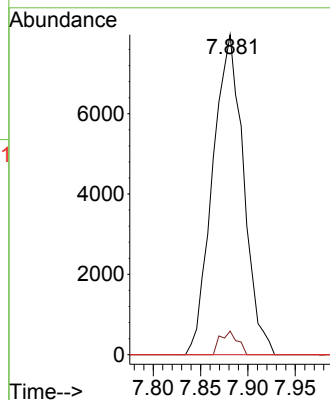
Tgt Ion:117 Resp: 18080

Ion Ratio Lower Upper

117 100

119 7.3 78.0 117.0#

121 0.0 24.2 36.2#



#50

Toluene-d8

Concen: 49.588 ug/l

RT: 10.269 min Scan# 1476

Delta R.T. -0.006 min

Lab File: VD078133.D

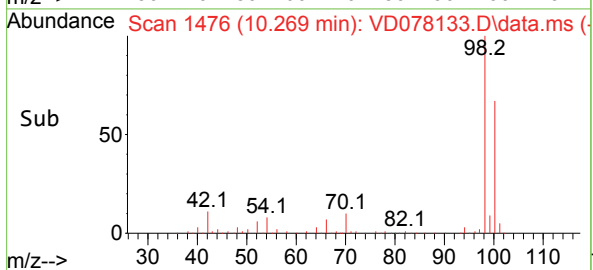
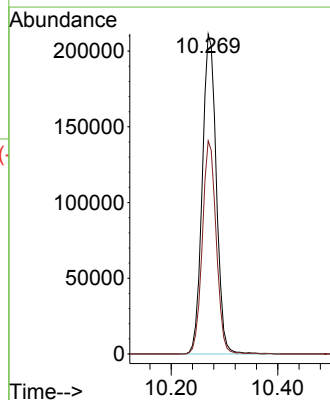
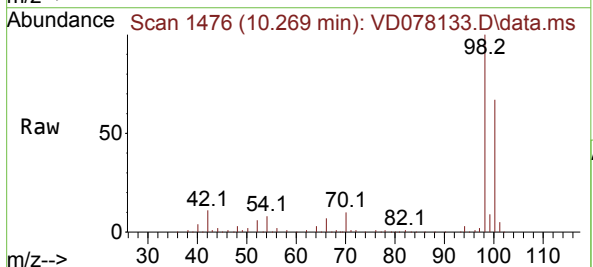
Acq: 08 Jan 2024 15:36

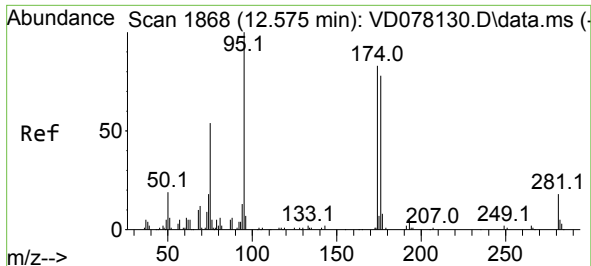
Tgt Ion: 98 Resp: 385436

Ion Ratio Lower Upper

98 100

100 65.8 50.3 75.5

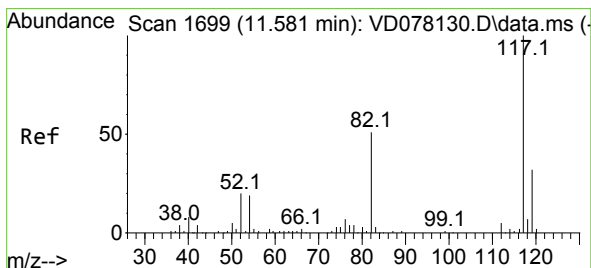
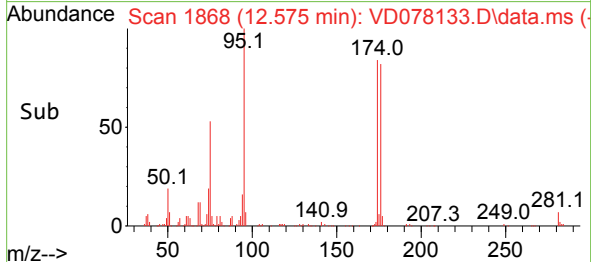
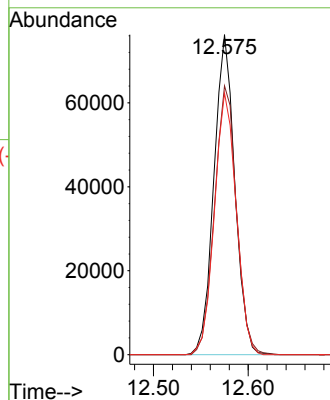
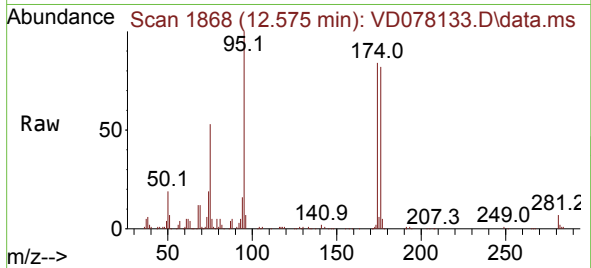




#62
4-Bromofluorobenzene
Concen: 43.179 ug/l
RT: 12.575 min Scan# 1868
Delta R.T. 0.000 min
Lab File: VD078133.D
Acq: 08 Jan 2024 15:36

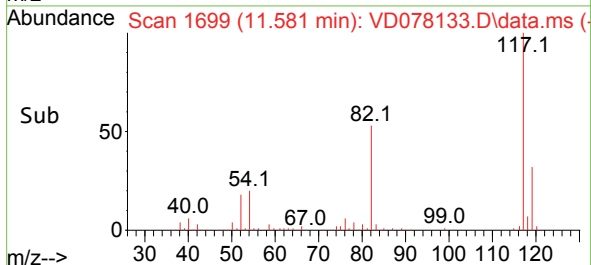
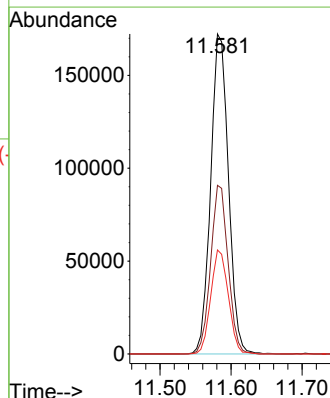
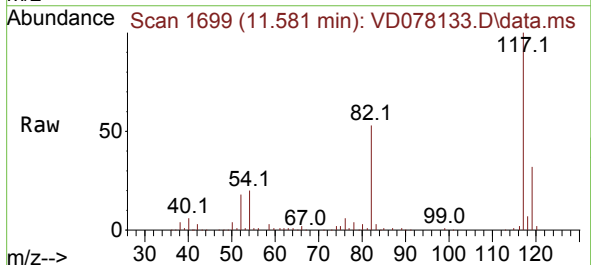
Instrument :
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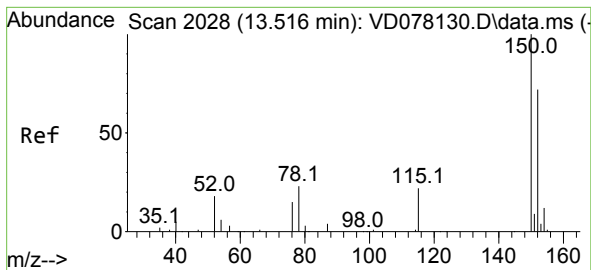
Tgt Ion: 95 Resp: 116831
Ion Ratio Lower Upper
95 100
174 88.5 0.0 201.8
176 85.5 0.0 191.8



#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.581 min Scan# 1699
Delta R.T. 0.000 min
Lab File: VD078133.D
Acq: 08 Jan 2024 15:36

Tgt Ion: 117 Resp: 299108
Ion Ratio Lower Upper
117 100
82 52.7 38.3 57.5
119 32.5 25.0 37.4





#72

1,4-Dichlorobenzene-d4

Concen: 50.000 ug/l

RT: 13.522 min Scan# 20

Delta R.T. 0.006 min

Lab File: VD078133.D

Acq: 08 Jan 2024 15:36

Instrument :

MSVOA_D

ClientSampleId :

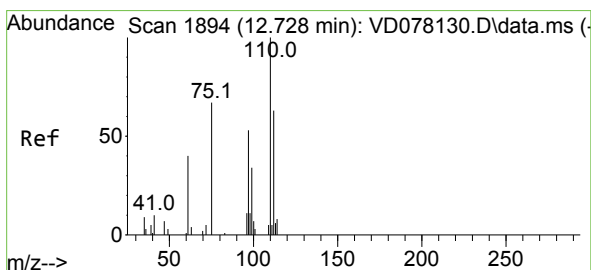
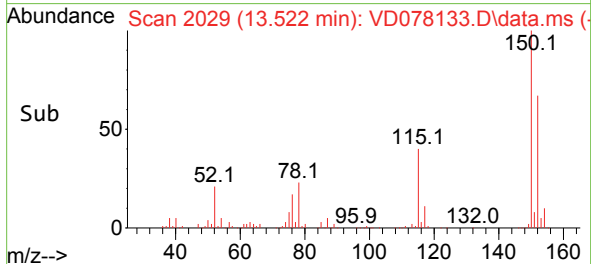
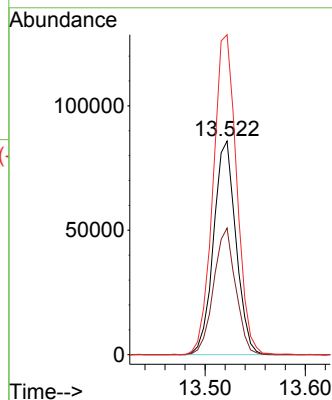
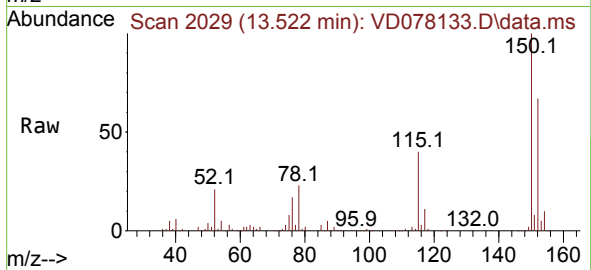
Tgt Ion:152 Resp: 133435

Ion Ratio Lower Upper

152 100

115 58.2 27.1 81.3

150 157.4 0.0 353.6



#76

1,2,3-Trichloropropane

Concen: 46.030 ug/l

RT: 12.575 min Scan# 1868

Delta R.T. -0.153 min

Lab File: VD078133.D

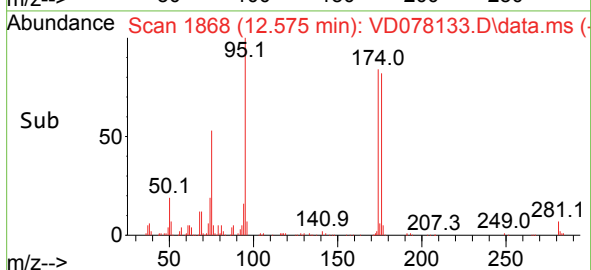
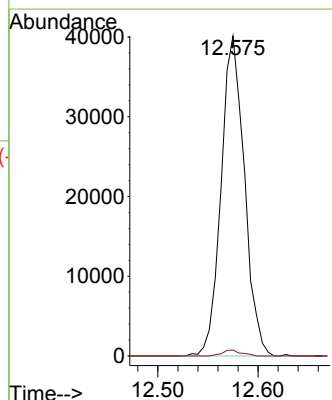
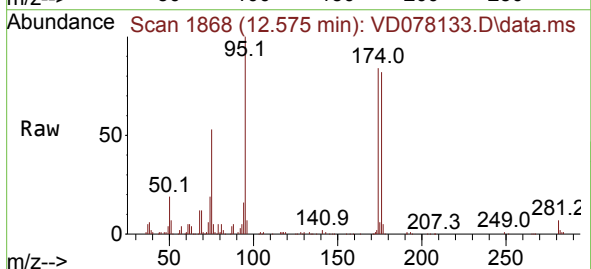
Acq: 08 Jan 2024 15:36

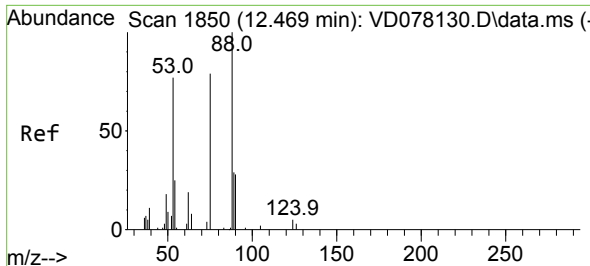
Tgt Ion: 75 Resp: 64720

Ion Ratio Lower Upper

75 100

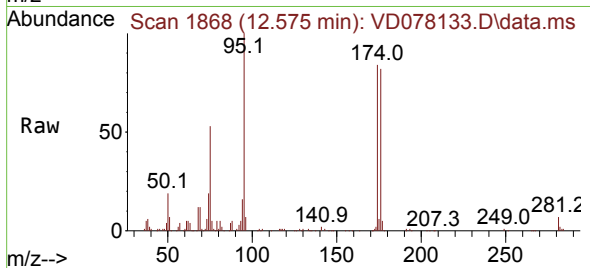
77 1.5 0.0 0.0#



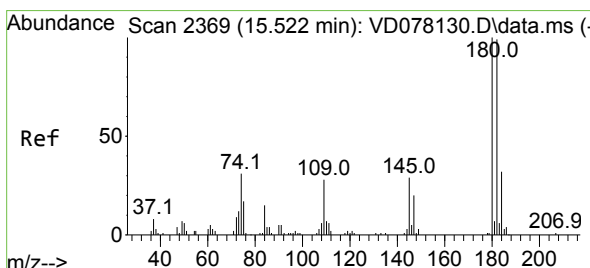
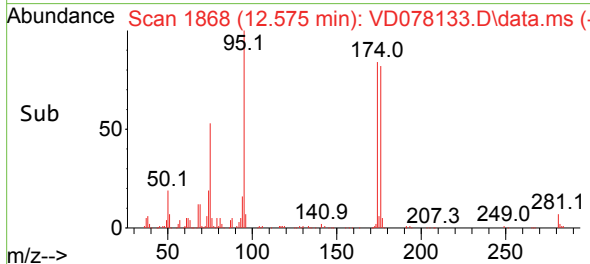
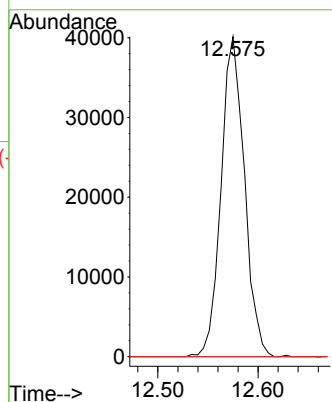


#81
trans-1,4-Dichloro-2-butene
Concen: 109.789 ug/l
RT: 12.575 min Scan# 1868
Delta R.T. 0.106 min
Lab File: VD078133.D
Acq: 08 Jan 2024 15:36

Instrument :
MSVOA_D
ClientSampleId :



Tgt Ion: 75 Resp: 64720
Ion Ratio Lower Upper
75 100
53 0.0 63.0 94.4#
89 0.0 37.9 56.9#



#96
1,2,3-Trichlorobenzene
Concen: 1.056 ug/l
RT: 15.522 min Scan# 2369
Delta R.T. 0.000 min
Lab File: VD078133.D
Acq: 08 Jan 2024 15:36

Tgt Ion:180 Resp: 2432
Ion Ratio Lower Upper
180 100
182 84.3 47.3 141.9
145 22.4 15.1 45.3

