

Data Path : Z:\voasrv\HPCHEM1\MSVOA_N\Data\VN071924\
 Data File : VN082987.D
 Acq On : 19 Jul 2024 14:34
 Operator : JC\MD
 Sample : P3307-02
 Misc : 5.0mL/MSVOA_N/WATER
 ALS Vial : 11 Sample Multiplier: 1

Instrument :
 MSVOA_N
 ClientSampleId :
 VPB189-HYD-20240717

Quant Time: Jul 22 02:05:42 2024
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_N\methods\82N070824W.M
 Quant Title : SW846 8260
 QLast Update : Mon Jul 08 13:46:04 2024
 Response via : Initial Calibration

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

Internal Standards						
1) Pentafluorobenzene	8.224	168	69448	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	9.106	114	136472	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.870	117	137954	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.794	152	53827	50.000	ug/l	0.00

System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.582	65	55757	57.274	ug/l	0.00
Spiked Amount	50.000	Range	74 - 125	Recovery	=	114.540%
35) Dibromofluoromethane	8.171	113	46857	53.508	ug/l	0.00
Spiked Amount	50.000	Range	75 - 124	Recovery	=	107.020%
50) Toluene-d8	10.571	98	160946	49.761	ug/l	0.00
Spiked Amount	50.000	Range	86 - 113	Recovery	=	99.520%
62) 4-Bromofluorobenzene	12.847	95	48563	41.799	ug/l	0.00
Spiked Amount	50.000	Range	64 - 133	Recovery	=	83.600%

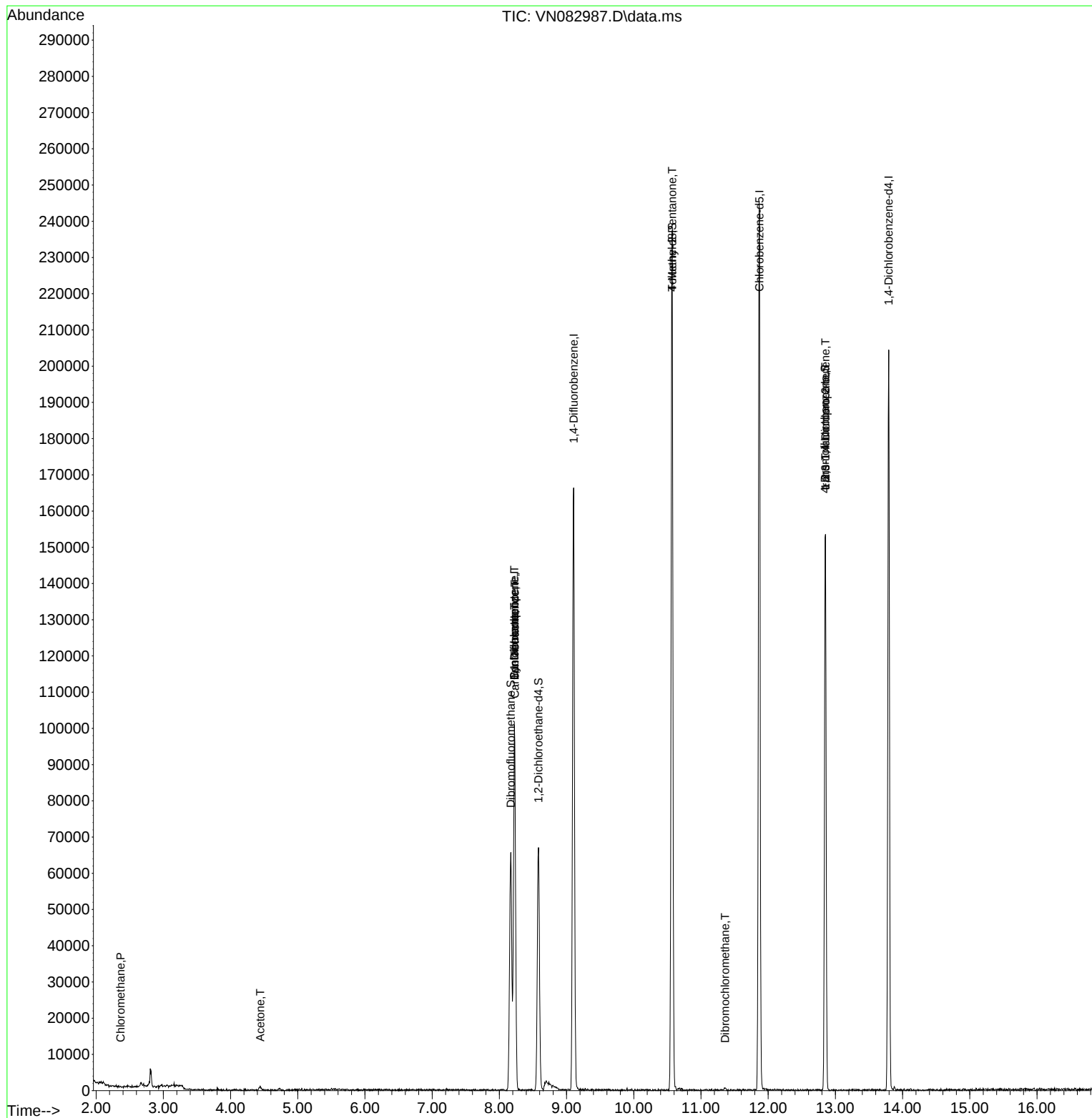
Target Compounds					Qvalue	
3) Chloromethane	2.365	50	234	0.274	ug/l #	43
16) Acetone	4.441	43	1409	4.111	ug/l	98
31) Cyclohexane	8.224	56	1768	1.389	ug/l #	1
36) 1,1-Dichloropropene	8.224	75	6329	5.242	ug/l #	51
38) Carbon Tetrachloride	8.229	117	7786	5.356	ug/l #	19
43) Isopropyl Acetate	8.700	43	2706	Below Cal	#	60
51) 4-Methyl-2-Pentanone	10.571	43	645	0.529	ug/l #	1
60) Dibromochloromethane	11.359	129	482	0.444	ug/l	76
76) 1,2,3-Trichloropropane	12.853	75	28036	30.211	ug/l #	1
81) trans-1,4-Dichloro-2-b...	12.853	75	28036	59.416	ug/l #	6

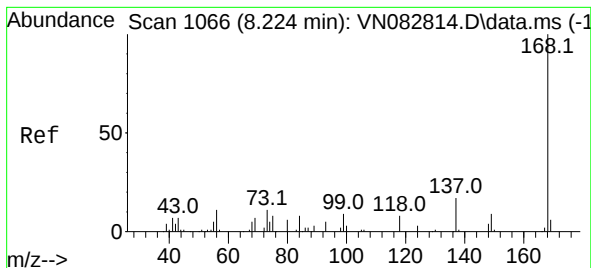
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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QLast Update : Mon Jul 08 13:46:04 2024
Response via : Initial Calibration





#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 8.224 min Scan# 1

Delta R.T. -0.005 min

Lab File: VN082987.D

Acq: 19 Jul 2024 14:34

Instrument :

MSVOA_N

ClientSampleId :

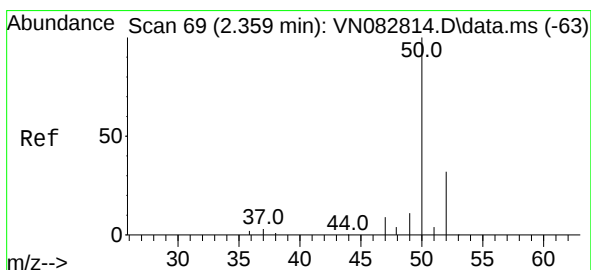
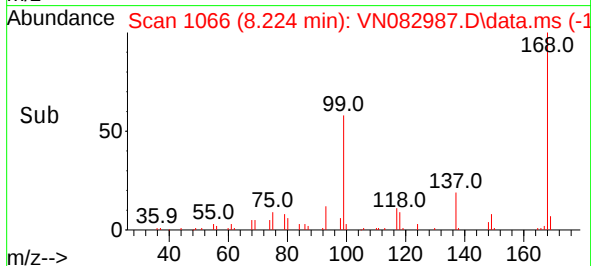
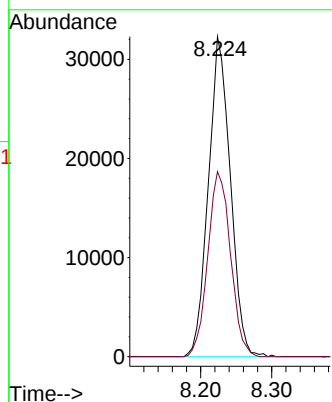
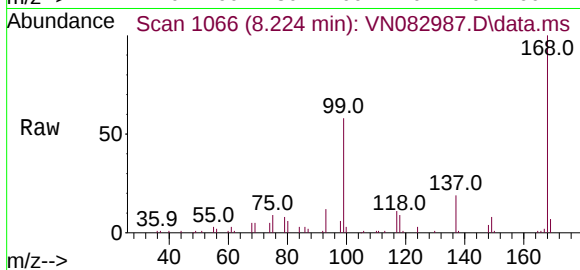
VPB189-HYD-20240717

Tgt Ion:168 Resp: 69448

Ion Ratio Lower Upper

168 100

99 57.8 48.2 72.4



#3

Chloromethane

Concen: 0.274 ug/l

RT: 2.365 min Scan# 70

Delta R.T. 0.006 min

Lab File: VN082987.D

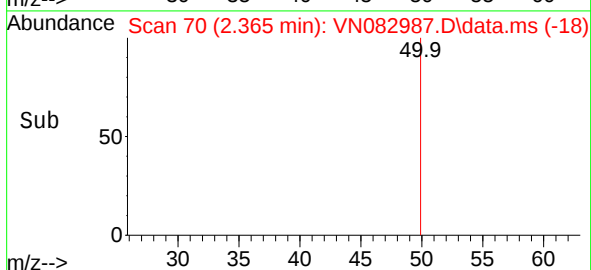
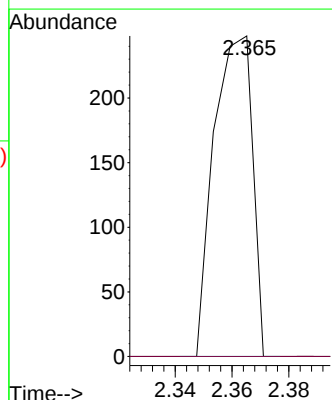
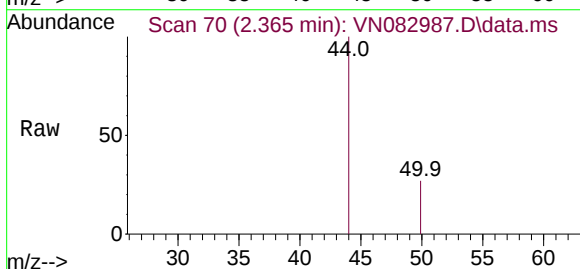
Acq: 19 Jul 2024 14:34

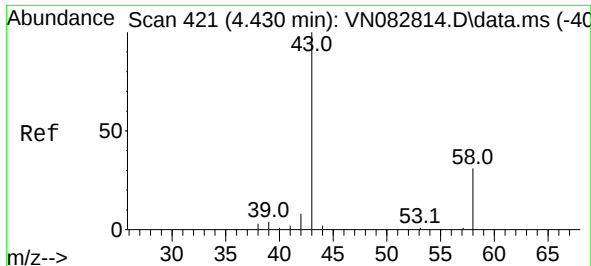
Tgt Ion: 50 Resp: 234

Ion Ratio Lower Upper

50 100

52 0.0 25.0 37.4#

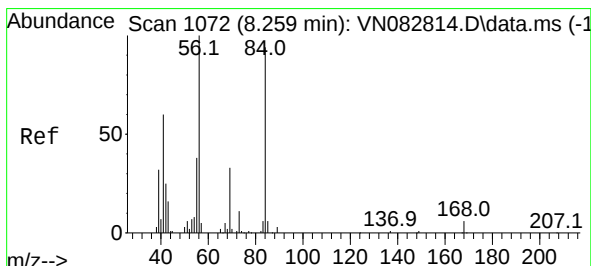
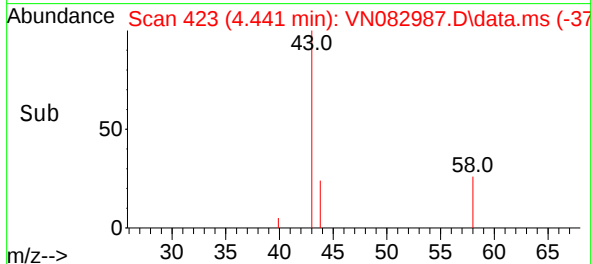
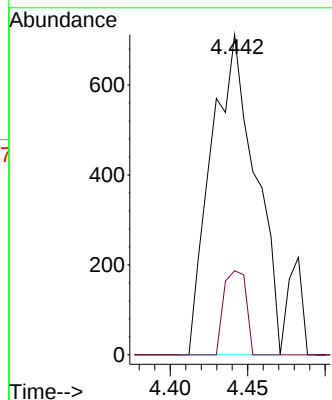
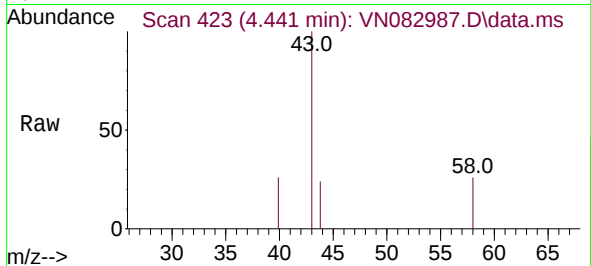




#16
Acetone
Concen: 4.111 ug/l
RT: 4.441 min Scan# 41
Delta R.T. 0.011 min
Lab File: VN082987.D
Acq: 19 Jul 2024 14:34

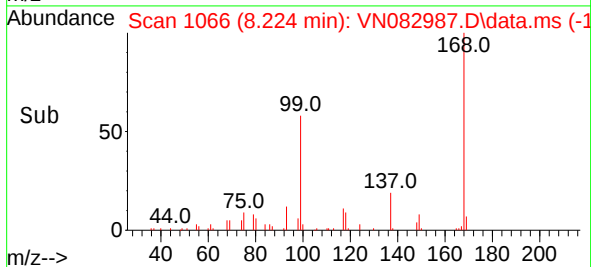
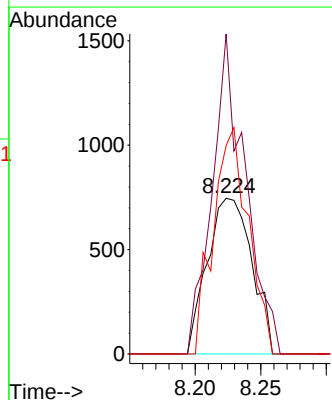
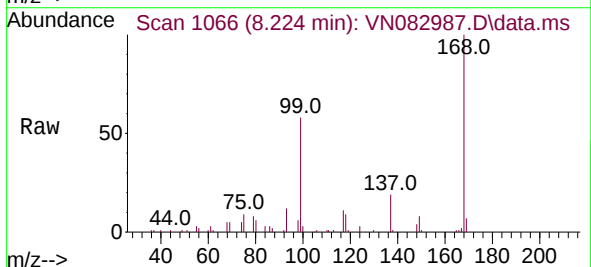
Instrument :
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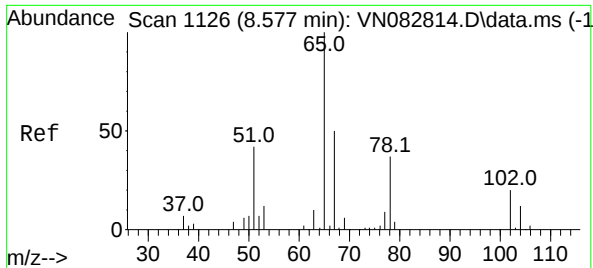
Tgt Ion: 43 Resp: 1409
Ion Ratio Lower Upper
43 100
58 26.3 21.8 32.6



#31
Cyclohexane
Concen: 1.389 ug/l
RT: 8.224 min Scan# 1066
Delta R.T. -0.035 min
Lab File: VN082987.D
Acq: 19 Jul 2024 14:34

Tgt Ion: 56 Resp: 1768
Ion Ratio Lower Upper
56 100
69 205.5 24.5 36.7#
84 133.8 66.0 99.0#

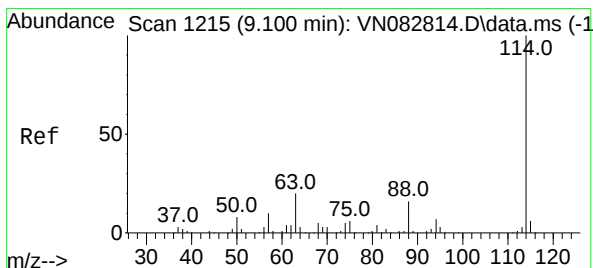
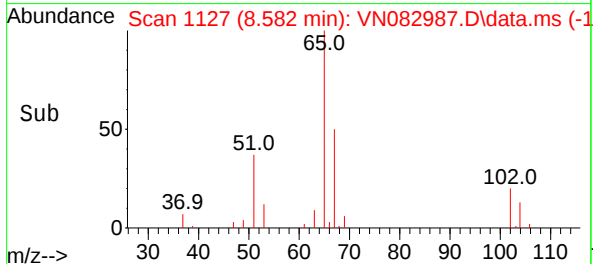
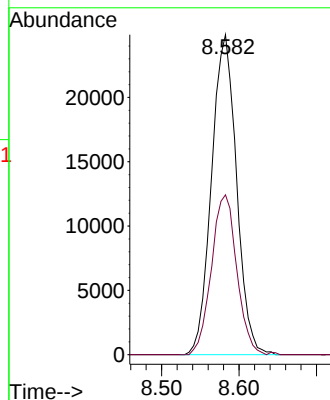
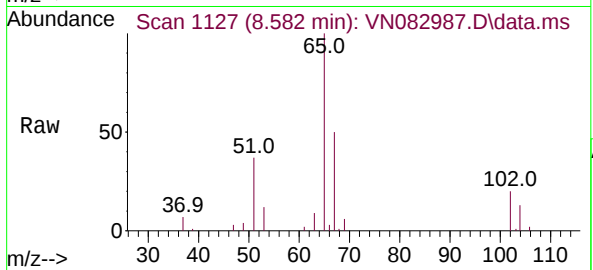




#33
1,2-Dichloroethane-d4
Concen: 57.274 ug/l
RT: 8.582 min Scan# 1127
Delta R.T. 0.000 min
Lab File: VN082987.D
Acq: 19 Jul 2024 14:34

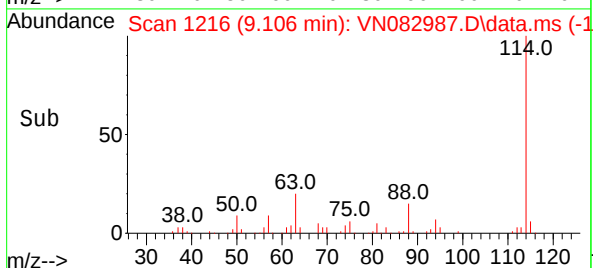
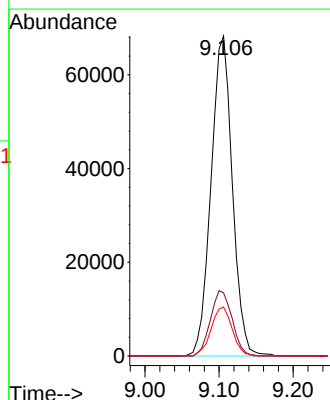
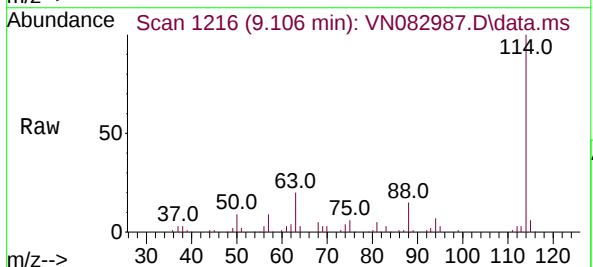
Instrument :
MSVOA_N
ClientSampleId :
VPB189-HYD-20240717

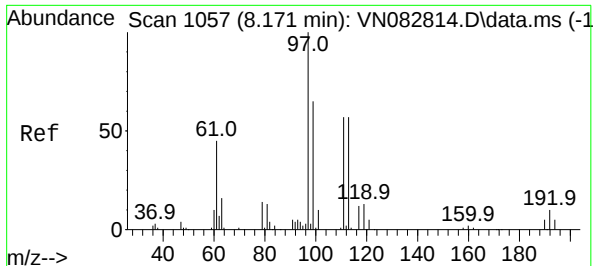
Tgt Ion: 65 Resp: 55757
Ion Ratio Lower Upper
65 100
67 50.7 0.0 104.4



#34
1,4-Difluorobenzene
Concen: 50.000 ug/l
RT: 9.106 min Scan# 1216
Delta R.T. -0.000 min
Lab File: VN082987.D
Acq: 19 Jul 2024 14:34

Tgt Ion: 114 Resp: 136472
Ion Ratio Lower Upper
114 100
63 19.8 0.0 44.6
88 15.3 0.0 31.4





#35

Dibromofluoromethane

Concen: 53.508 ug/l

RT: 8.171 min Scan# 1

Delta R.T. 0.006 min

Lab File: VN082987.D

Acq: 19 Jul 2024 14:34

Instrument :

MSVOA_N

ClientSampleId :

VPB189-HYD-20240717

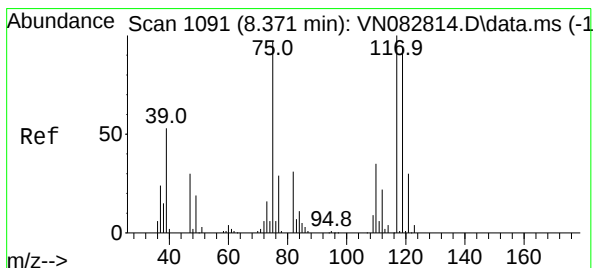
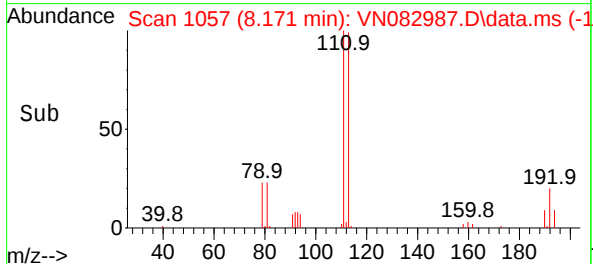
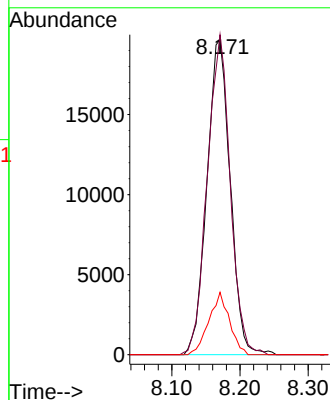
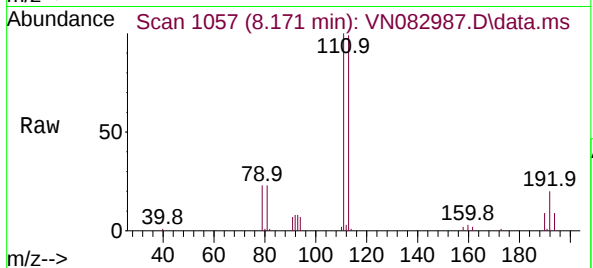
Tgt Ion:113 Resp: 46857

Ion Ratio Lower Upper

113 100

111 100.0 82.4 123.6

192 17.5 14.9 22.3



#36

1,1-Dichloropropene

Concen: 5.242 ug/l

RT: 8.224 min Scan# 1066

Delta R.T. -0.147 min

Lab File: VN082987.D

Acq: 19 Jul 2024 14:34

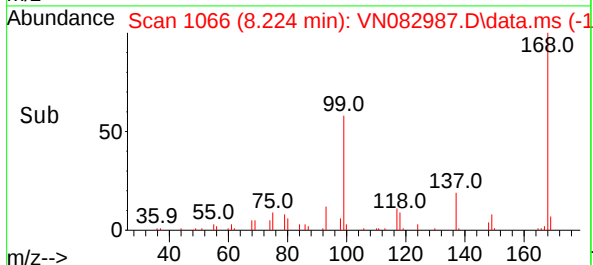
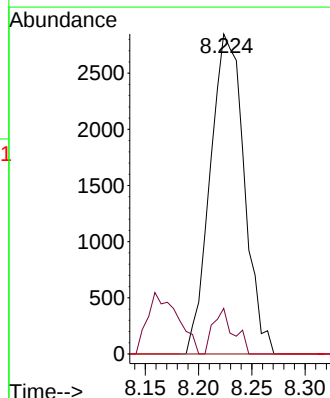
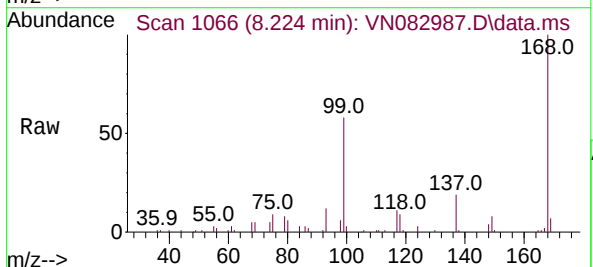
Tgt Ion: 75 Resp: 6329

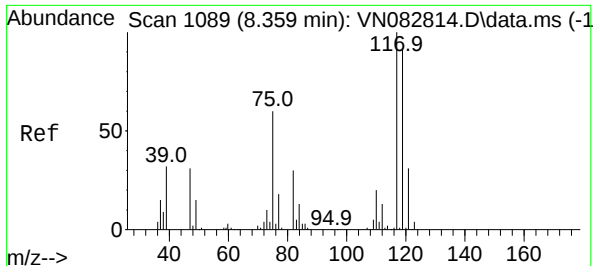
Ion Ratio Lower Upper

75 100

110 8.5 16.3 48.9#

77 0.0 24.6 37.0#





#38

Carbon Tetrachloride

Concen: 5.356 ug/l

RT: 8.229 min Scan# 1

Delta R.T. -0.136 min

Lab File: VN082987.D

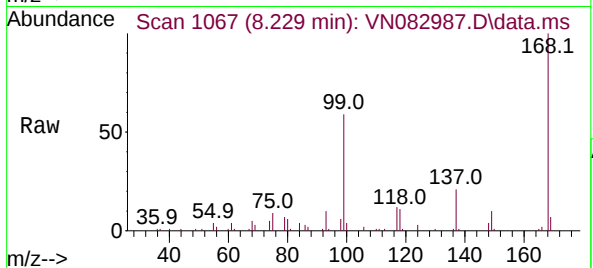
Acq: 19 Jul 2024 14:34

Instrument :

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ClientSampleId :

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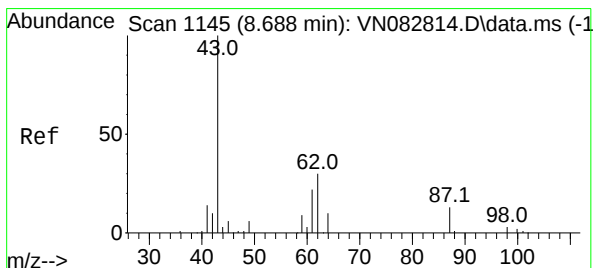
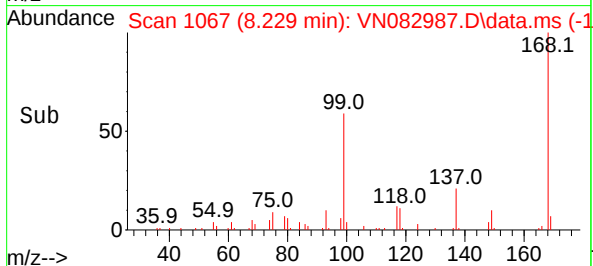
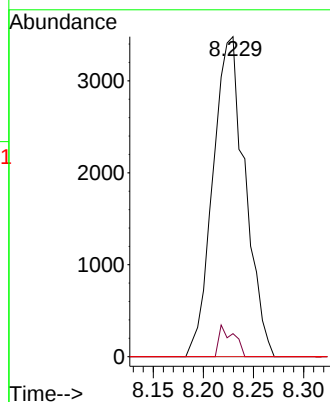
Tgt Ion:117 Resp: 7786

Ion Ratio Lower Upper

117 100

119 7.2 74.9 112.3#

121 0.0 24.3 36.5#



#43

Isopropyl Acetate

Concen: Below Cal

RT: 8.700 min Scan# 1147

Delta R.T. 0.006 min

Lab File: VN082987.D

Acq: 19 Jul 2024 14:34

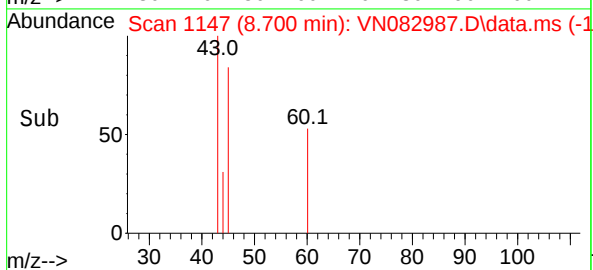
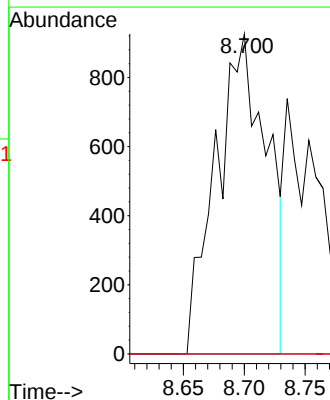
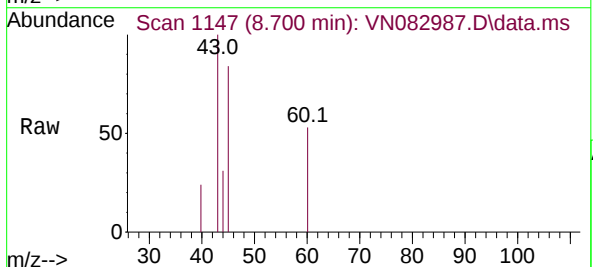
Tgt Ion: 43 Resp: 2706

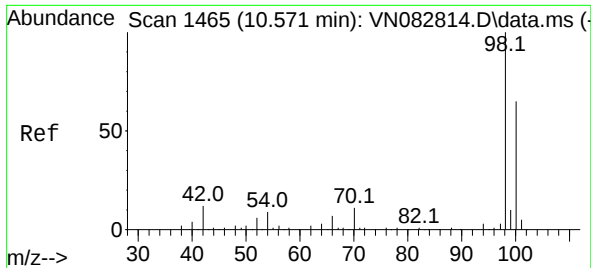
Ion Ratio Lower Upper

43 100

61 0.0 17.8 26.6#

87 0.0 8.2 12.2#

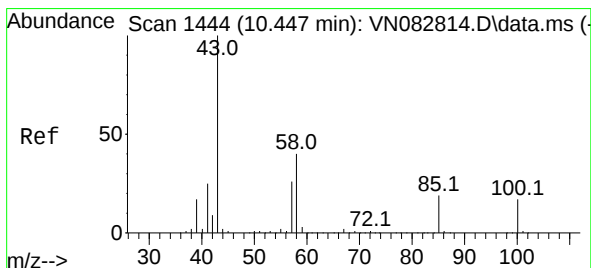
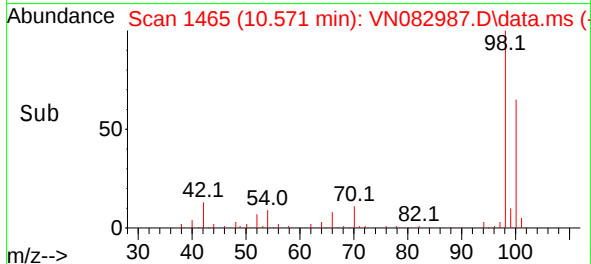
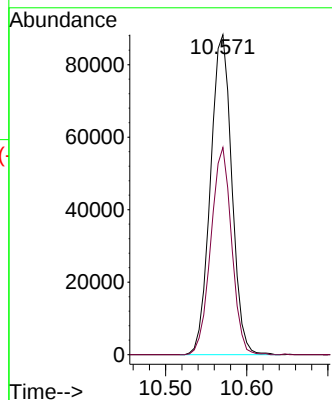
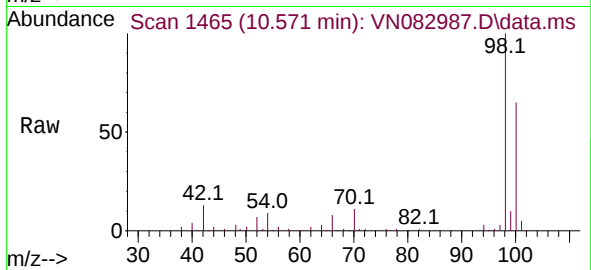




#50
Toluene-d8
Concen: 49.761 ug/l
RT: 10.571 min Scan# 1465
Delta R.T. 0.001 min
Lab File: VN082987.D
Acq: 19 Jul 2024 14:34

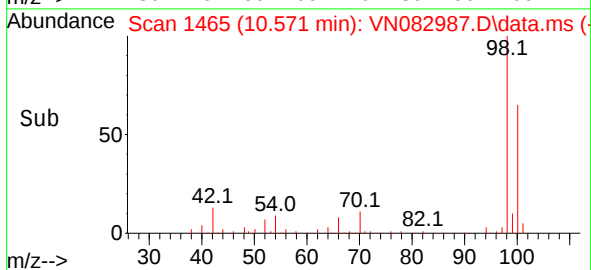
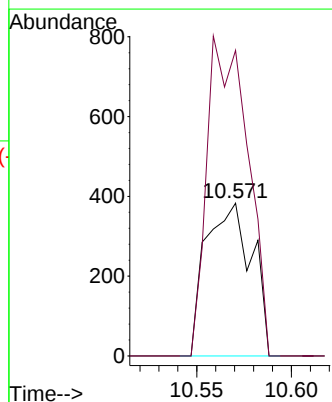
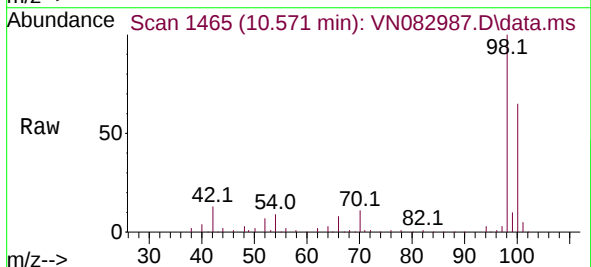
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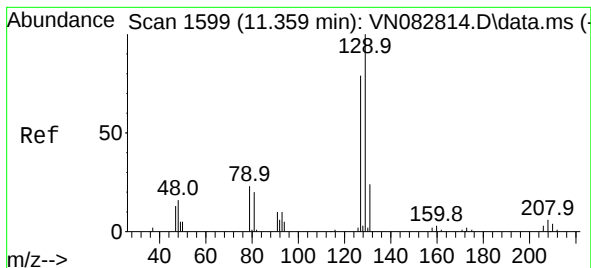
Tgt Ion: 98 Resp: 160946
Ion Ratio Lower Upper
98 100
100 63.0 51.5 77.3



#51
4-Methyl-2-Pentanone
Concen: 0.529 ug/l
RT: 10.571 min Scan# 1465
Delta R.T. 0.124 min
Lab File: VN082987.D
Acq: 19 Jul 2024 14:34

Tgt Ion: 43 Resp: 645
Ion Ratio Lower Upper
43 100
58 185.3 28.2 42.4#





#60

Dibromochloromethane

Concen: 0.444 ug/l

RT: 11.359 min Scan# 1599

Delta R.T. -0.000 min

Lab File: VN082987.D

Acq: 19 Jul 2024 14:34

Instrument :

MSVOA_N

ClientSampleId :

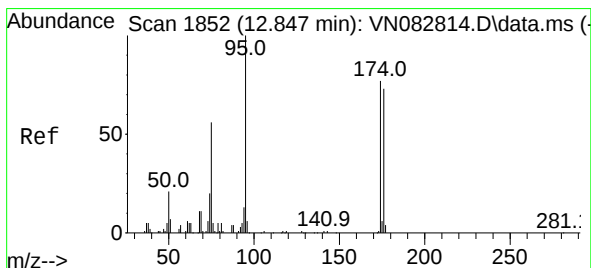
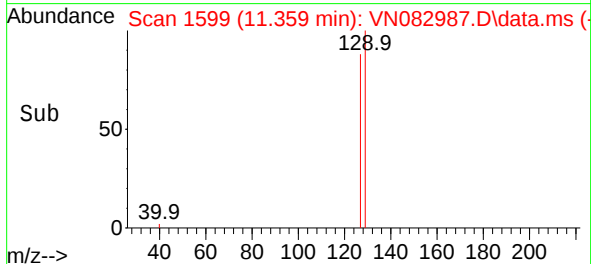
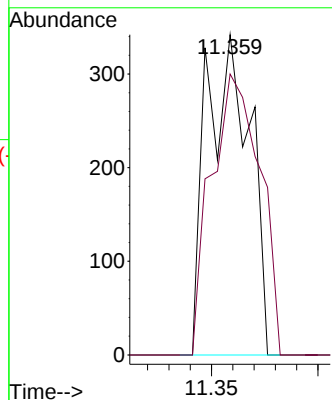
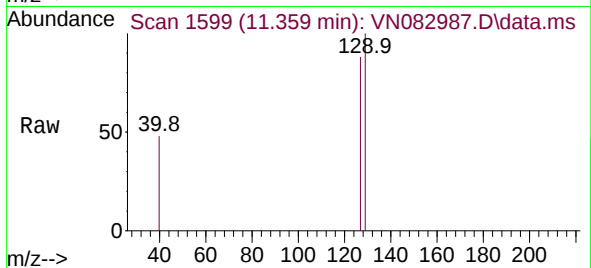
VPB189-HYD-20240717

Tgt Ion:129 Resp: 482

Ion Ratio Lower Upper

129 100

127 99.0 39.2 117.6



#62

4-Bromofluorobenzene

Concen: 41.799 ug/l

RT: 12.847 min Scan# 1852

Delta R.T. -0.000 min

Lab File: VN082987.D

Acq: 19 Jul 2024 14:34

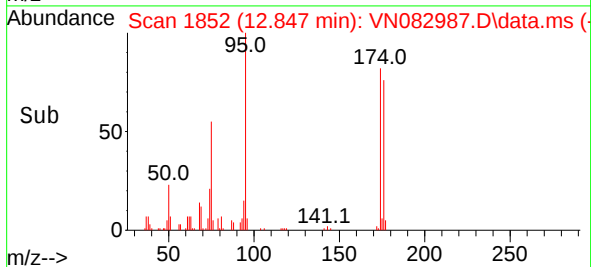
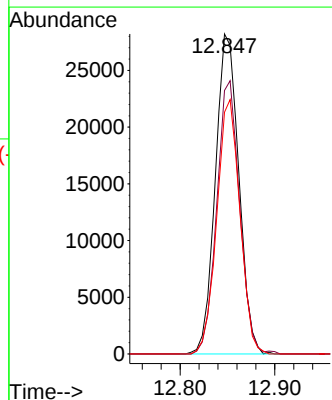
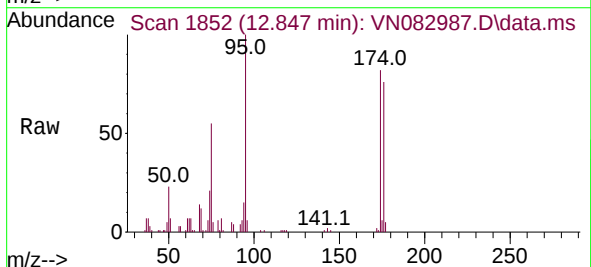
Tgt Ion: 95 Resp: 48563

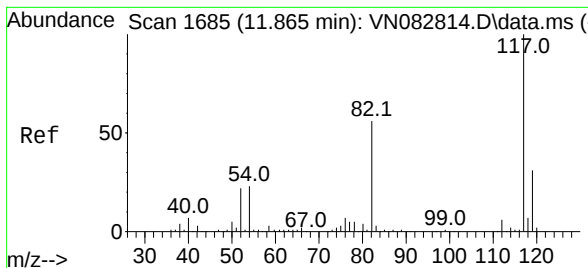
Ion Ratio Lower Upper

95 100

174 83.5 0.0 159.2

176 78.4 0.0 147.6





#63

Chlorobenzene-d5

Concen: 50.000 ug/l

RT: 11.870 min Scan# 1

Delta R.T. 0.000 min

Lab File: VN082987.D

Acq: 19 Jul 2024 14:34

Instrument :

MSVOA_N

ClientSampleId :

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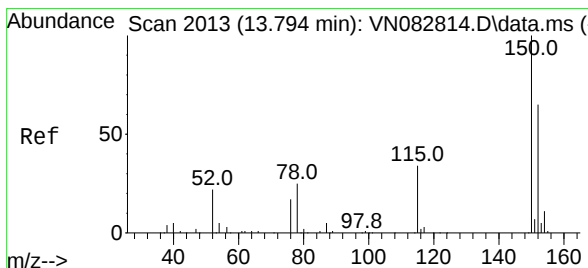
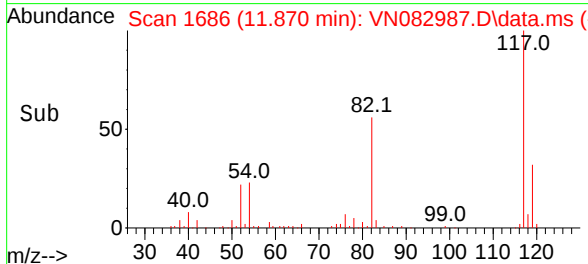
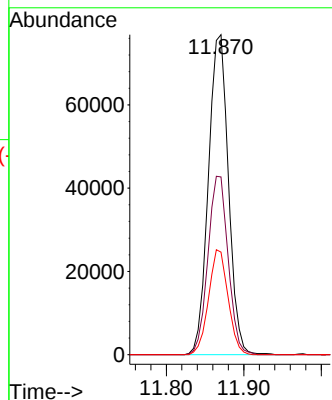
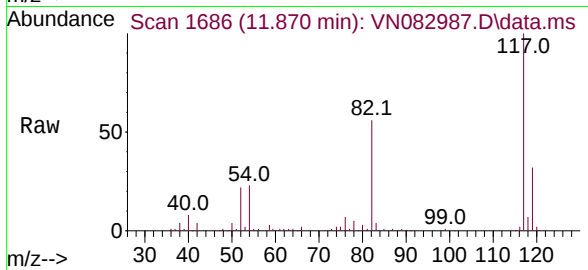
Tgt Ion:117 Resp: 137954

Ion Ratio Lower Upper

117 100

82 55.6 47.5 71.3

119 32.0 25.6 38.4



#72

1,4-Dichlorobenzene-d4

Concen: 50.000 ug/l

RT: 13.794 min Scan# 2013

Delta R.T. -0.000 min

Lab File: VN082987.D

Acq: 19 Jul 2024 14:34

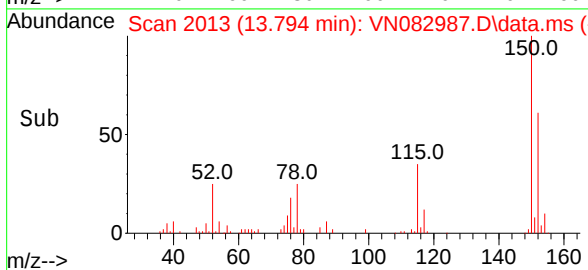
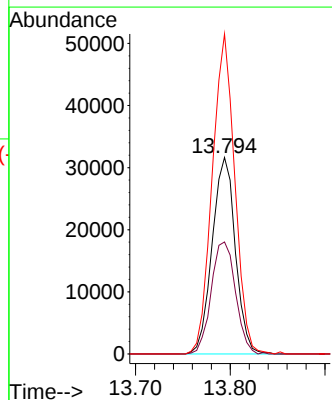
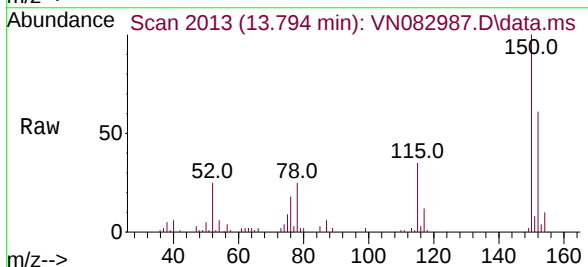
Tgt Ion:152 Resp: 53827

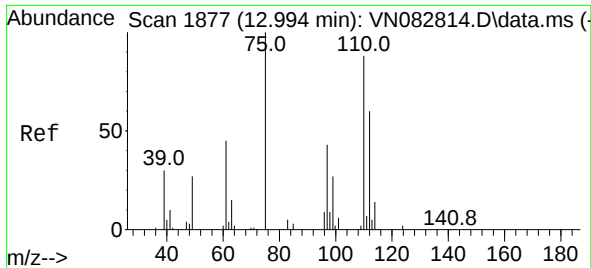
Ion Ratio Lower Upper

152 100

115 59.7 30.6 91.6

150 157.7 0.0 348.6

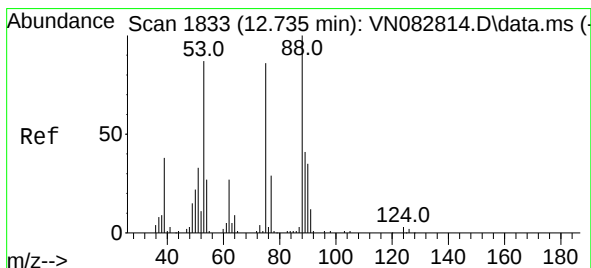
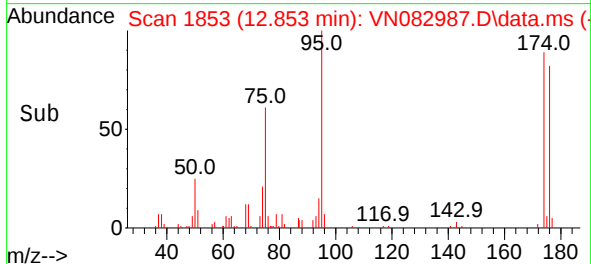
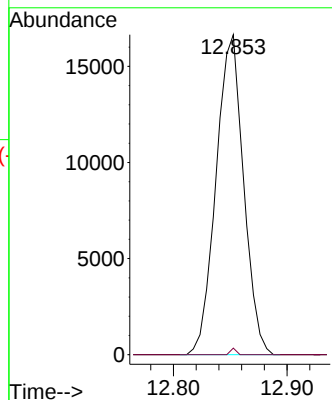
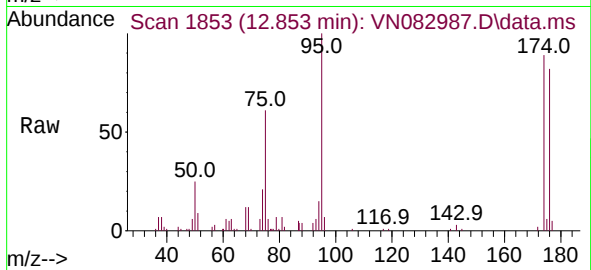




#76
1,2,3-Trichloropropane
Concen: 30.211 ug/l
RT: 12.853 min Scan# 1853
Delta R.T. -0.141 min
Lab File: VN082987.D
Acq: 19 Jul 2024 14:34

Instrument :
MSVOA_N
ClientSampleId :
VPB189-HYD-20240717

Tgt Ion: 75 Resp: 28036
Ion Ratio Lower Upper
75 100
77 0.4 110.9 332.6#



#81
trans-1,4-Dichloro-2-butene
Concen: 59.416 ug/l
RT: 12.853 min Scan# 1853
Delta R.T. 0.112 min
Lab File: VN082987.D
Acq: 19 Jul 2024 14:34

Tgt Ion: 75 Resp: 28036
Ion Ratio Lower Upper
75 100
53 0.0 88.4 132.6#
89 0.0 36.3 54.5#

