

Data Path : Z:\voasrv\HPCHEM1\MSVOA_N\Data\VN052124\
 Data File : VN082237.D
 Acq On : 21 May 2024 13:52
 Operator : JC\MD
 Sample : P2537-04
 Misc : 5.0mL/MSVOA_N/WATER
 ALS Vial : 10 Sample Multiplier: 1

Instrument :
 MSVOA_N
 ClientSampleId :
 451

Quant Time: May 22 01:26:24 2024
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_N\methods\82N051524W.M
 Quant Title : SW846 8260
 QLast Update : Thu May 16 05:21:06 2024
 Response via : Initial Calibration

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

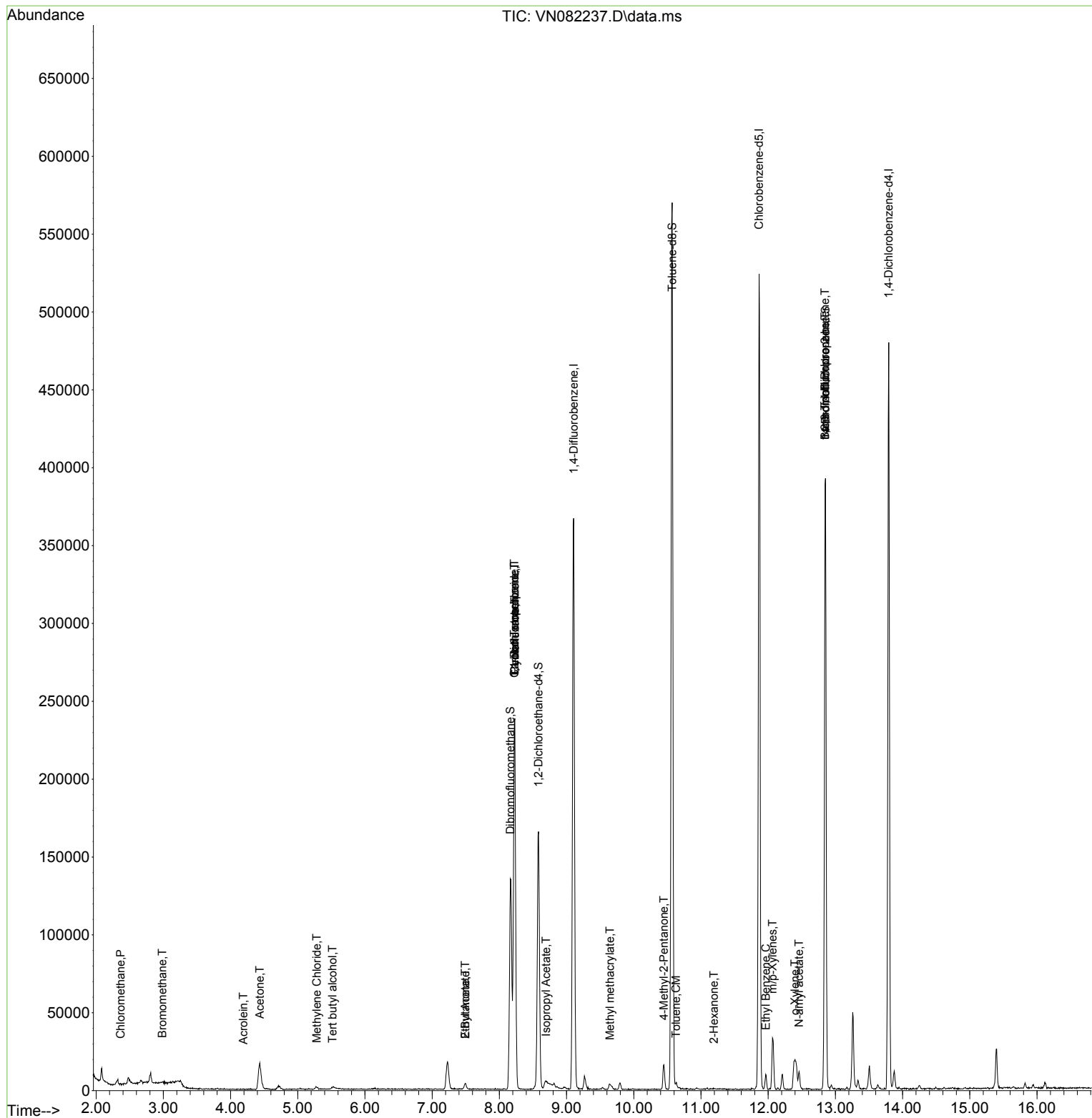
Internal Standards						
1) Pentafluorobenzene	8.229	168	166547	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	9.106	114	292776	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.865	117	274581	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.794	152	118515	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.582	65	137626	52.333	ug/l	0.00
Spiked Amount 50.000	Range 74 - 125		Recovery = 104.660%			
35) Dibromofluoromethane	8.165	113	95748	53.163	ug/l	0.00
Spiked Amount 50.000	Range 75 - 124		Recovery = 106.320%			
50) Toluene-d8	10.570	98	375759	54.419	ug/l	0.00
Spiked Amount 50.000	Range 86 - 113		Recovery = 108.840%			
62) 4-Bromofluorobenzene	12.853	95	125746	51.022	ug/l	0.00
Spiked Amount 50.000	Range 64 - 133		Recovery = 102.040%			
Target Compounds					Qvalue	
3) Chloromethane	2.365	50	615	0.226	ug/l #	43
5) Bromomethane	2.983	94	466	0.317	ug/l #	28
11) Tert butyl alcohol	5.518	59	2175	5.152	ug/l #	71
13) Acrolein	4.189	56	72	0.230	ug/l #	15
16) Acetone	4.436	43	32782	30.388	ug/l	89
20) Methylene Chloride	5.283	84	792	0.364	ug/l #	74
25) 2-Butanone	7.494	43	6653	4.068	ug/l #	80
31) Cyclohexane	8.229	56	4907	1.168	ug/l #	46
36) 1,1-Dichloropropene	8.224	75	15287	5.061	ug/l #	49
37) Ethyl Acetate	7.494	43	6653	1.968	ug/l #	68
38) Carbon Tetrachloride	8.224	117	17842	5.827	ug/l #	17
43) Isopropyl Acetate	8.694	43	5364	0.896	ug/l #	52
48) Methyl methacrylate	9.647	41	1278	0.448	ug/l #	32
51) 4-Methyl-2-Pentanone	10.447	43	12532	3.682	ug/l	87
52) Toluene	10.629	92	1193	0.221	ug/l	77
59) 2-Hexanone	11.194	43	680	0.273	ug/l #	23
67) Ethyl Benzene	11.965	91	6400	0.590	ug/l	98
68) m/p-Xylenes	12.065	106	10453	2.628	ug/l	90
69) o-Xylene	12.400	106	4030	1.046	ug/l	99
71) Bromoform	12.847	173	853	1.230	ug/l #	28
74) N-amyl acetate	12.459	43	8333	1.609	ug/l #	39
76) 1,2,3-Trichloropropane	12.847	75	74294	29.784	ug/l #	1
81) trans-1,4-Dichloro-2-b...	12.847	75	74294	69.663	ug/l #	12

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

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Quant Title : SW846 8260
QLast Update : Thu May 16 05:21:06 2024
Response via : Initial Calibration

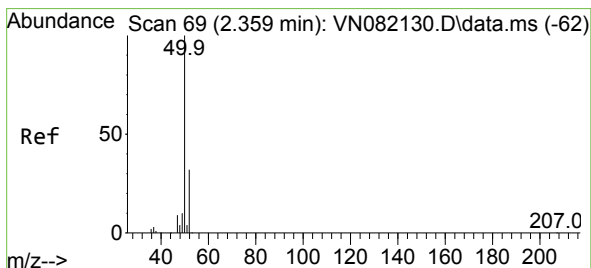
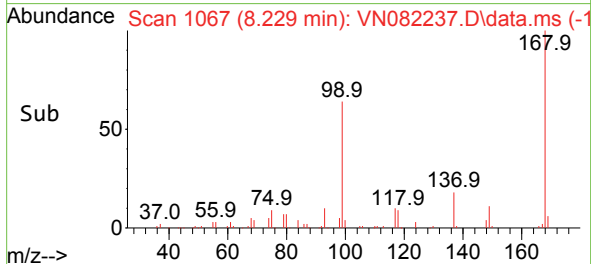
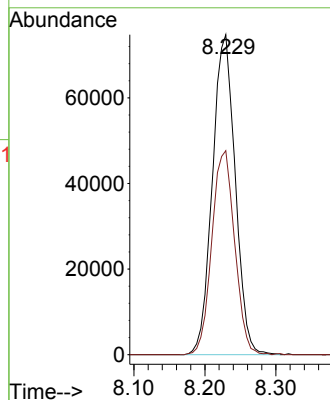
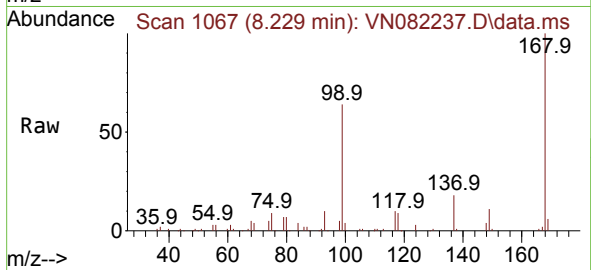




#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 8.229 min Scan# 10
Delta R.T. 0.005 min
Lab File: VN082237.D
Acq: 21 May 2024 13:52

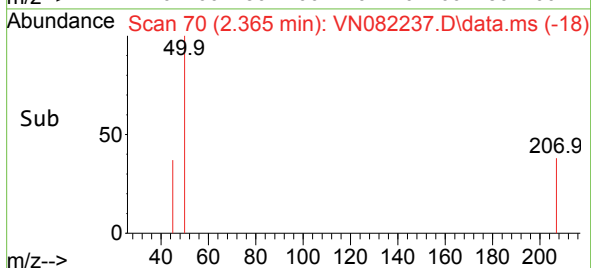
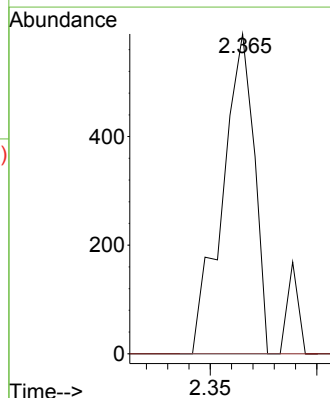
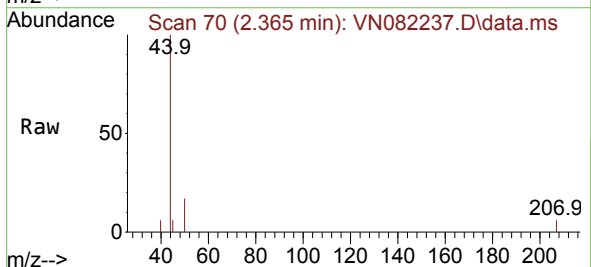
Instrument :
MSVOA_N
ClientSampleId :
451

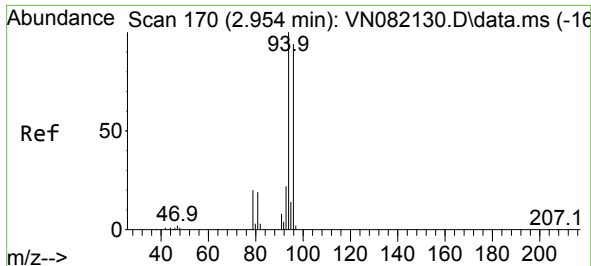
Tgt Ion:168 Resp: 166547
Ion Ratio Lower Upper
168 100
99 63.7 48.2 72.4



#3
Chloromethane
Concen: 0.226 ug/l
RT: 2.365 min Scan# 70
Delta R.T. 0.006 min
Lab File: VN082237.D
Acq: 21 May 2024 13:52

Tgt Ion: 50 Resp: 615
Ion Ratio Lower Upper
50 100
52 0.0 25.5 38.3#

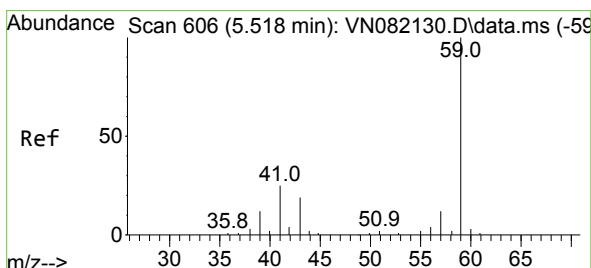
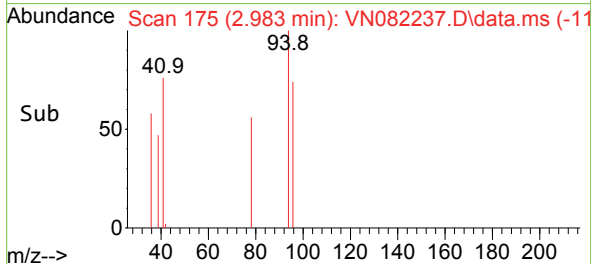
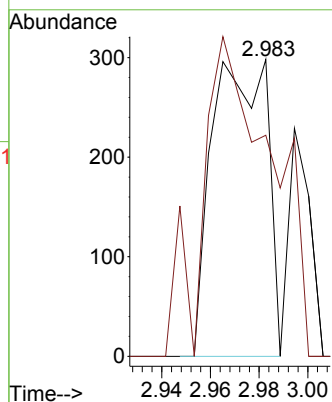
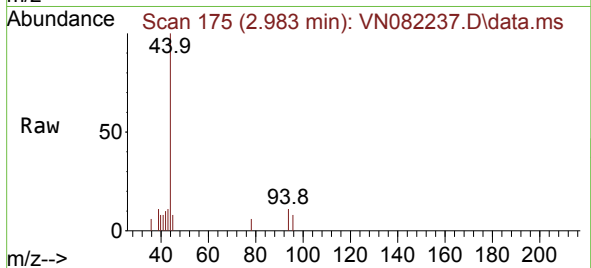




#5
Bromomethane
Concen: 0.317 ug/l
RT: 2.983 min Scan# 11
Delta R.T. 0.029 min
Lab File: VN082237.D
Acq: 21 May 2024 13:52

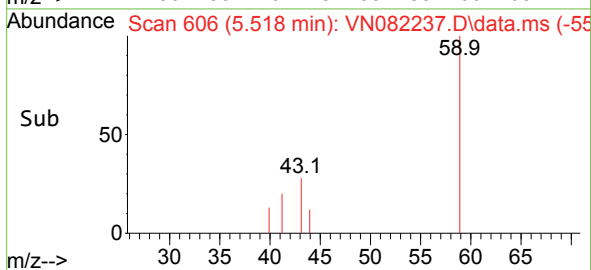
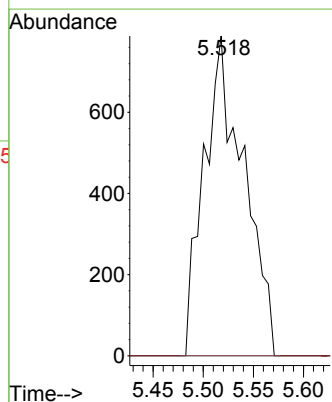
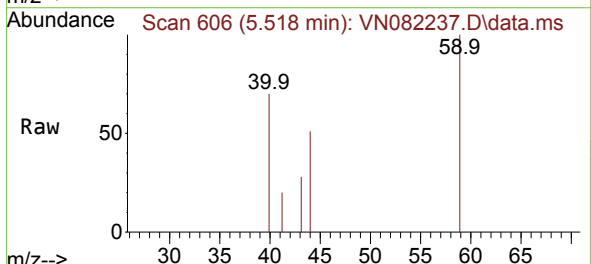
Instrument :
MSVOA_N
ClientSampleId :
451

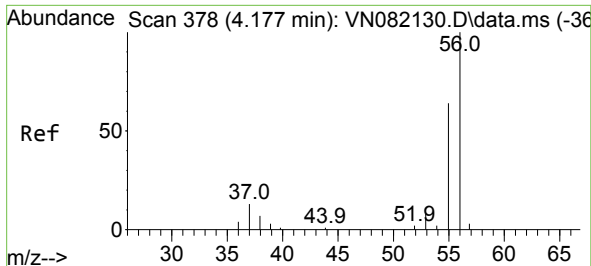
Tgt Ion: 94 Resp: 466
Ion Ratio Lower Upper
94 100
96 23.8 74.8 112.2#



#11
Tert butyl alcohol
Concen: 5.152 ug/l
RT: 5.518 min Scan# 606
Delta R.T. -0.000 min
Lab File: VN082237.D
Acq: 21 May 2024 13:52

Tgt Ion: 59 Resp: 2175
Ion Ratio Lower Upper
59 100
57 0.0 8.9 13.3#

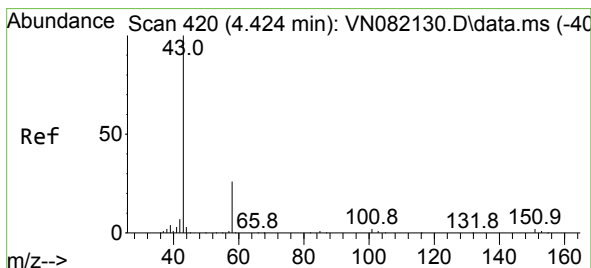
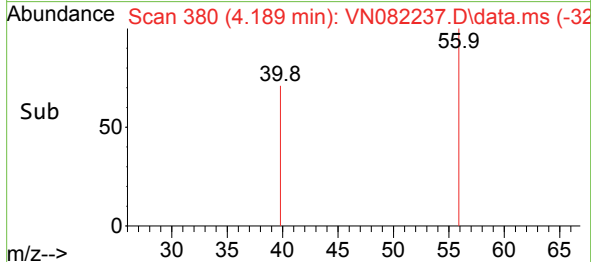
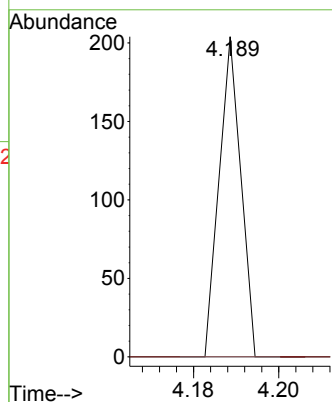
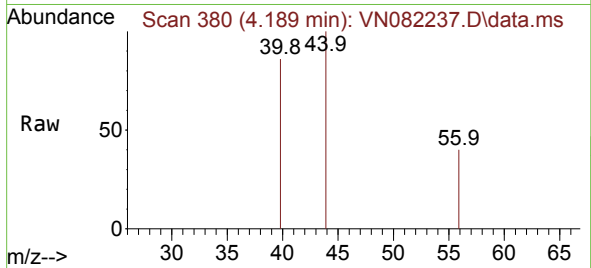




#13
Acrolein
Concen: 0.230 ug/l
RT: 4.189 min Scan# 31
Delta R.T. 0.012 min
Lab File: VN082237.D
Acq: 21 May 2024 13:52

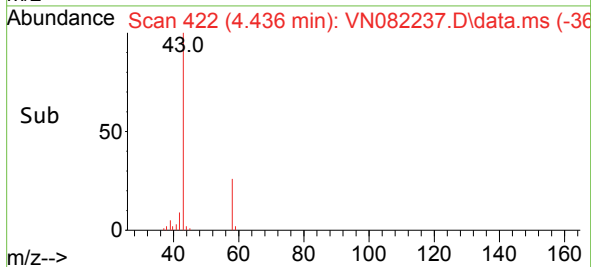
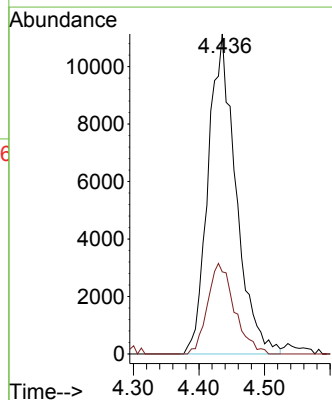
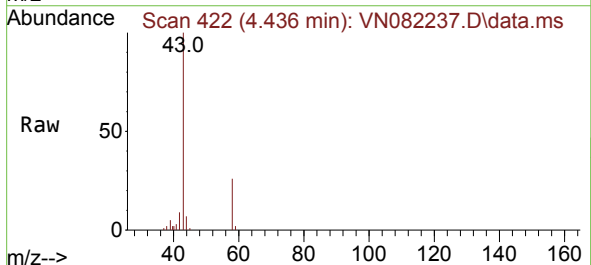
Instrument :
MSVOA_N
ClientSampleId :
451

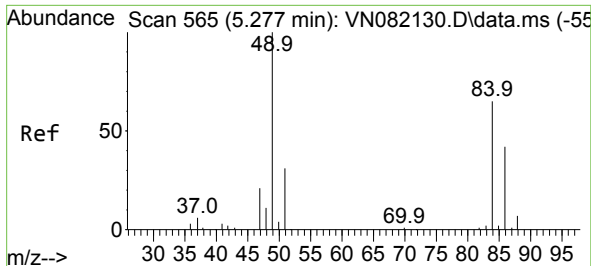
Tgt Ion: 56 Resp: 72
Ion Ratio Lower Upper
56 100
55 0.0 55.8 83.8#



#16
Acetone
Concen: 30.388 ug/l
RT: 4.436 min Scan# 422
Delta R.T. 0.012 min
Lab File: VN082237.D
Acq: 21 May 2024 13:52

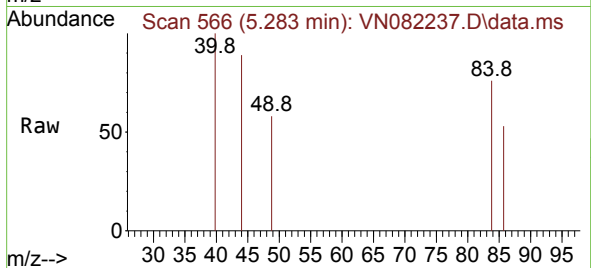
Tgt Ion: 43 Resp: 32782
Ion Ratio Lower Upper
43 100
58 25.7 25.2 37.8



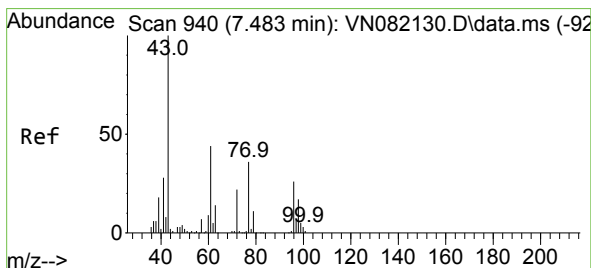
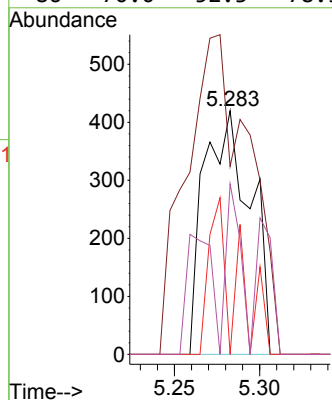


#20
Methylene Chloride
Concen: 0.364 ug/l
RT: 5.283 min Scan# 501
Delta R.T. 0.006 min
Lab File: VN082237.D
Acq: 21 May 2024 13:52

Instrument :
MSVOA_N
ClientSampleId :
451

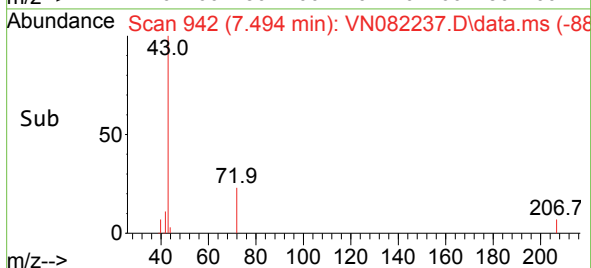
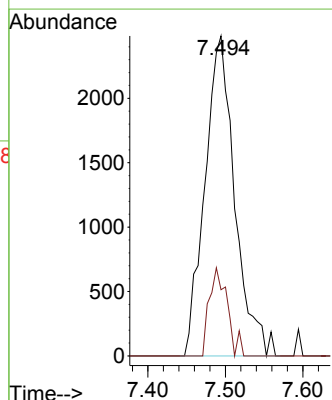
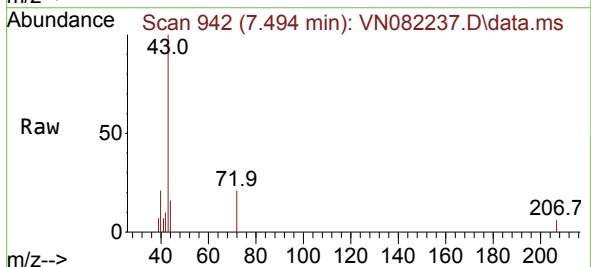


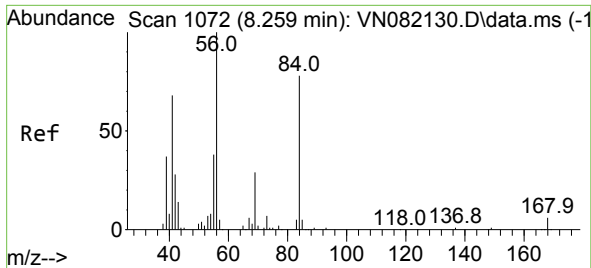
Tgt Ion: 84	Resp: 792
Ion Ratio	Lower Upper
84 100	
49 77.1	84.9 127.3#
51 0.0	27.0 40.6#
86 70.0	52.3 78.5



#25
2-Butanone
Concen: 4.068 ug/l
RT: 7.494 min Scan# 942
Delta R.T. 0.012 min
Lab File: VN082237.D
Acq: 21 May 2024 13:52

Tgt Ion: 43	Resp: 6653		
Ion Ratio	Lower	Upper	
43 100			
72 20.7	25.3	37.9#	

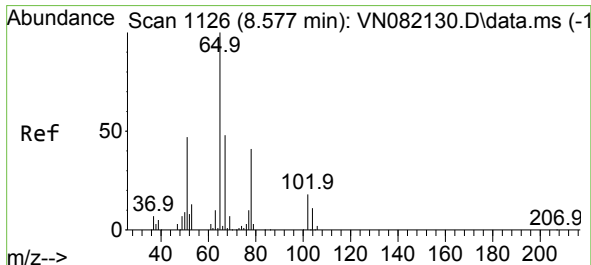
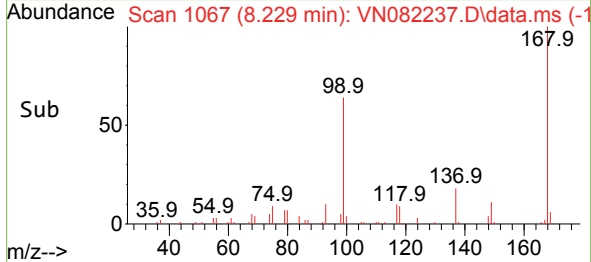
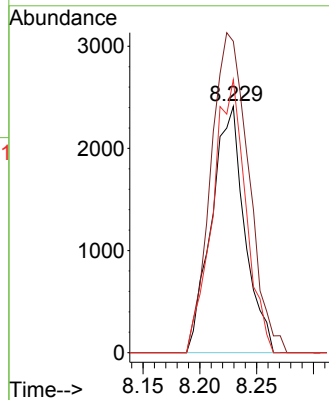
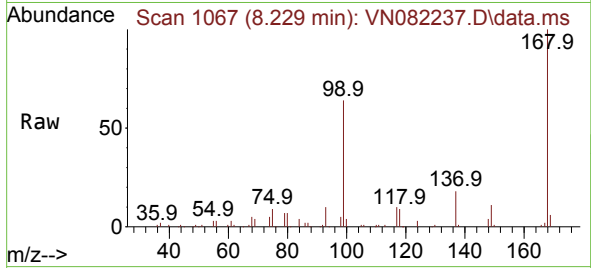




#31
Cyclohexane
Concen: 1.168 ug/l
RT: 8.229 min Scan# 1072
Delta R.T. -0.030 min
Lab File: VN082237.D
Acq: 21 May 2024 13:52

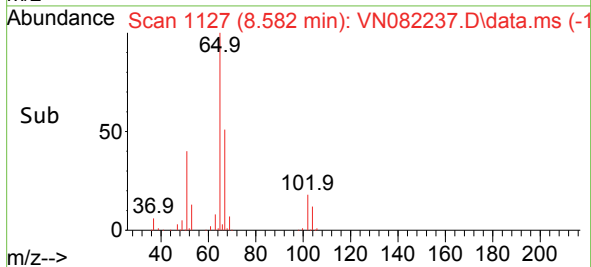
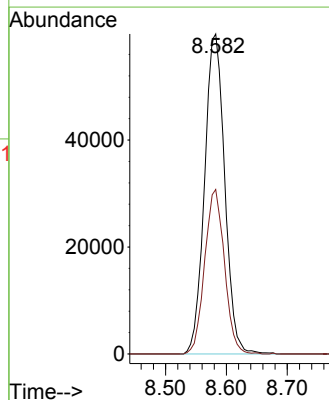
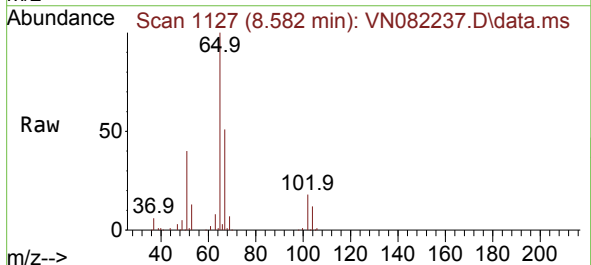
Instrument :
MSVOA_N
ClientSampleId :
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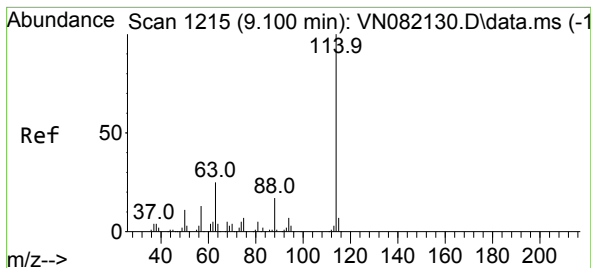
Tgt Ion: 56 Resp: 4907
Ion Ratio Lower Upper
56 100
69 126.4 24.4 36.6#
84 110.9 77.0 115.4



#33
1,2-Dichloroethane-d4
Concen: 52.333 ug/l
RT: 8.582 min Scan# 1127
Delta R.T. 0.006 min
Lab File: VN082237.D
Acq: 21 May 2024 13:52

Tgt Ion: 65 Resp: 137626
Ion Ratio Lower Upper
65 100
67 50.4 0.0 103.0





#34

1,4-Difluorobenzene

Concen: 50.000 ug/l

RT: 9.106 min Scan# 1

Delta R.T. 0.006 min

Lab File: VN082237.D

Acq: 21 May 2024 13:52

Instrument :

MSVOA_N

ClientSampleId :

451

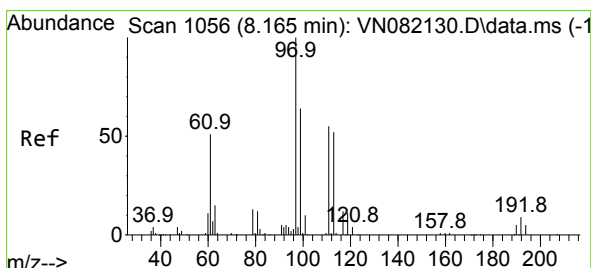
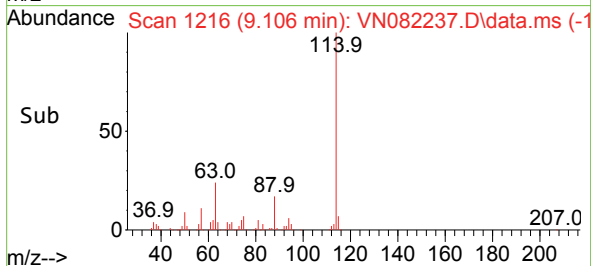
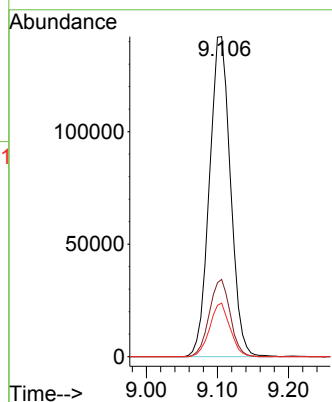
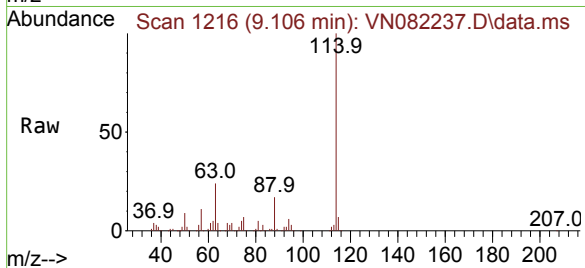
Tgt Ion:114 Resp: 292776

Ion Ratio Lower Upper

114 100

63 24.1 0.0 41.0

88 16.8 0.0 31.4



#35

Dibromofluoromethane

Concen: 53.163 ug/l

RT: 8.165 min Scan# 1056

Delta R.T. -0.000 min

Lab File: VN082237.D

Acq: 21 May 2024 13:52

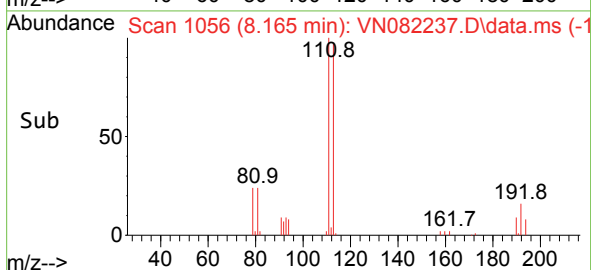
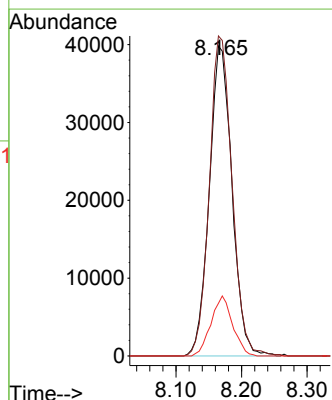
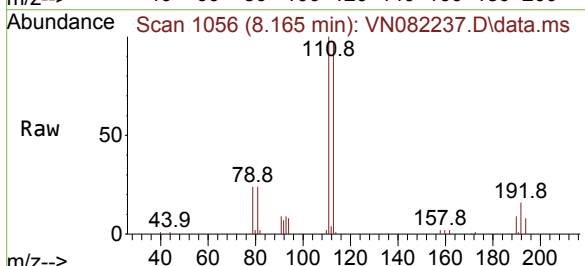
Tgt Ion:113 Resp: 95748

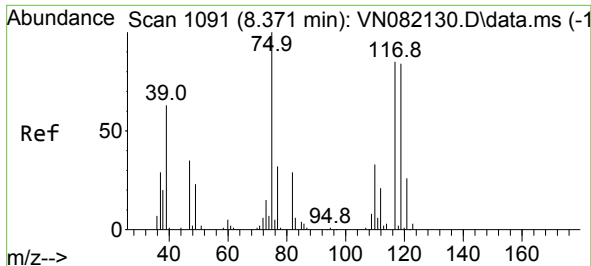
Ion Ratio Lower Upper

113 100

111 103.3 83.4 125.2

192 18.4 14.0 21.0





#36

1,1-Dichloropropene

Concen: 5.061 ug/l

RT: 8.224 min Scan# 1066

Delta R.T. -0.147 min

Lab File: VN082237.D

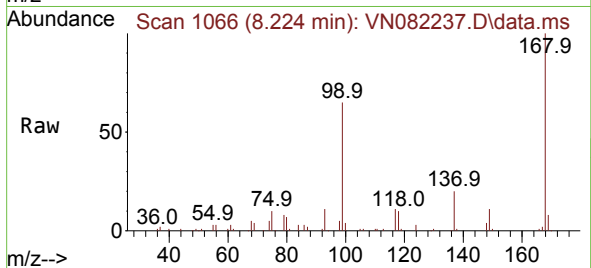
Acq: 21 May 2024 13:52

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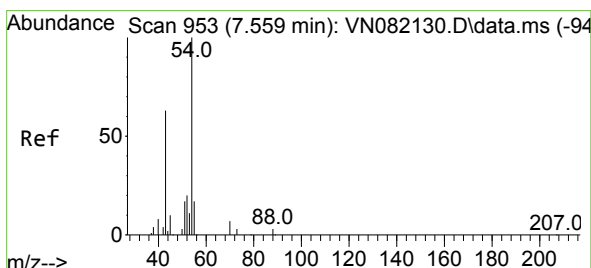
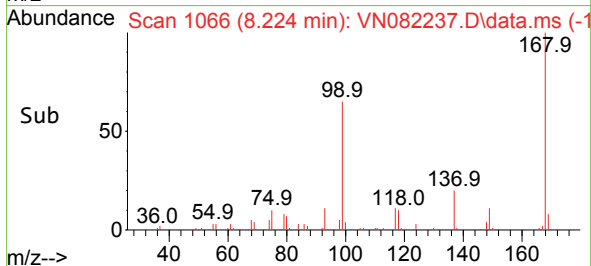
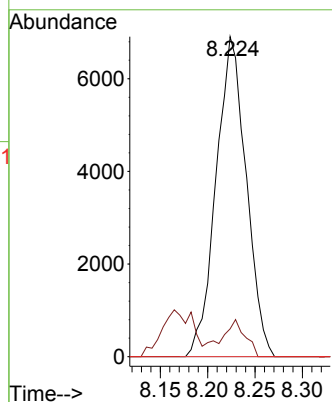
Tgt Ion: 75 Resp: 15287

Ion Ratio Lower Upper

75 100

110 8.7 17.8 53.5#

77 0.0 25.0 37.4#



#37

Ethyl Acetate

Concen: 1.968 ug/l

RT: 7.494 min Scan# 942

Delta R.T. -0.065 min

Lab File: VN082237.D

Acq: 21 May 2024 13:52

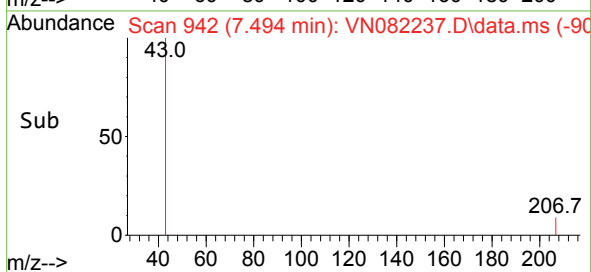
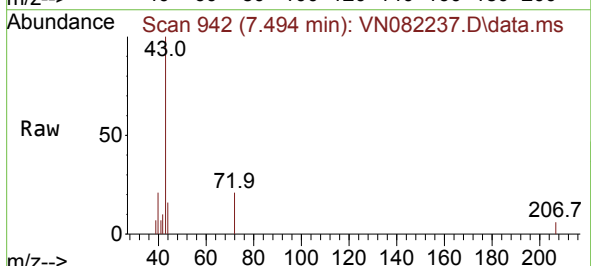
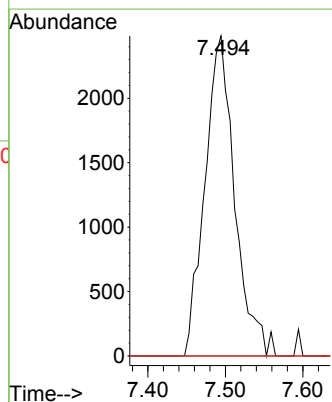
Tgt Ion: 43 Resp: 6653

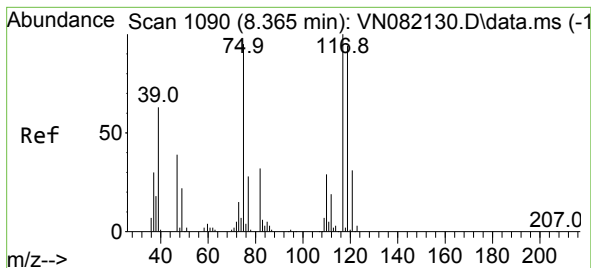
Ion Ratio Lower Upper

43 100

61 0.0 11.3 16.9#

70 0.0 8.7 13.1#





#38

Carbon Tetrachloride

Concen: 5.827 ug/l

RT: 8.224 min Scan# 1066

Delta R.T. -0.141 min

Lab File: VN082237.D

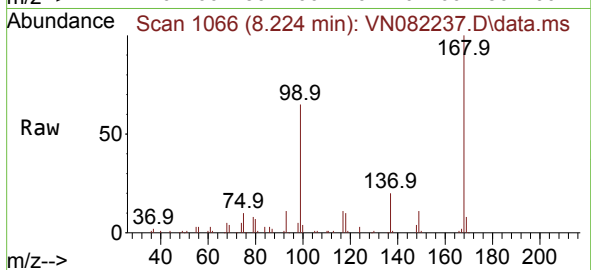
Acq: 21 May 2024 13:52

Instrument :

MSVOA_N

ClientSampleId :

451



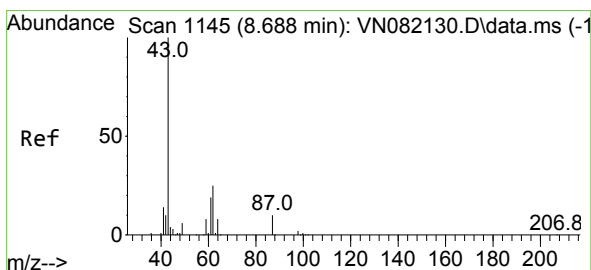
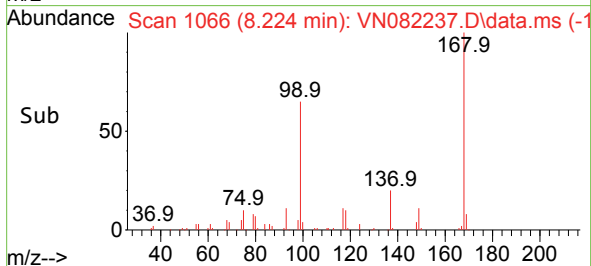
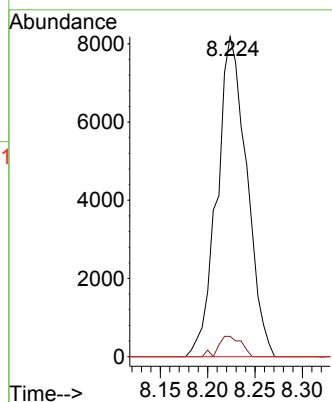
Tgt Ion:117 Resp: 17842

Ion Ratio Lower Upper

117 100

119 6.4 76.5 114.7#

121 0.0 23.9 35.9#



#43

Isopropyl Acetate

Concen: 0.896 ug/l

RT: 8.694 min Scan# 1146

Delta R.T. 0.006 min

Lab File: VN082237.D

Acq: 21 May 2024 13:52

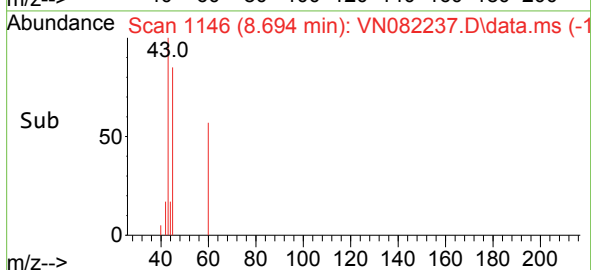
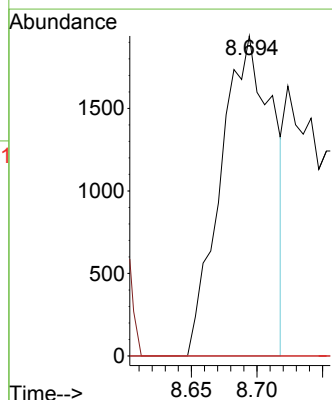
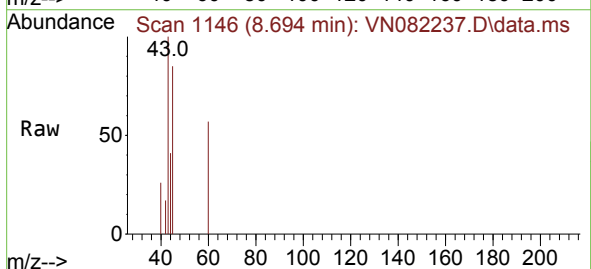
Tgt Ion: 43 Resp: 5364

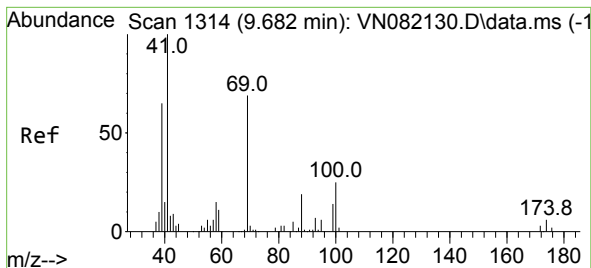
Ion Ratio Lower Upper

43 100

61 0.0 22.8 34.2#

87 0.0 12.0 18.0#





#48

Methyl methacrylate

Concen: 0.448 ug/l

RT: 9.647 min Scan# 1

Delta R.T. -0.035 min

Lab File: VN082237.D

Acq: 21 May 2024 13:52

Instrument :

MSVOA_N

ClientSampleId :

451

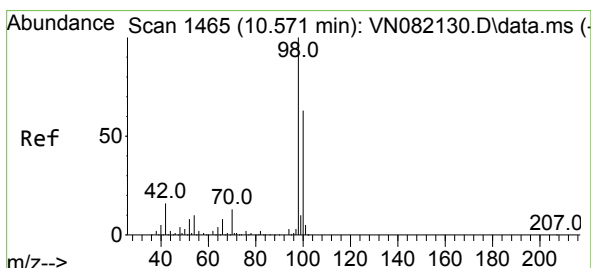
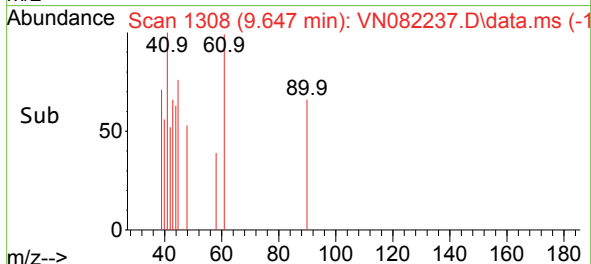
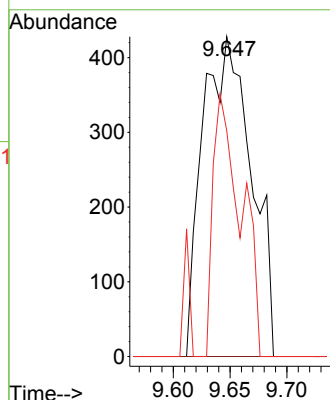
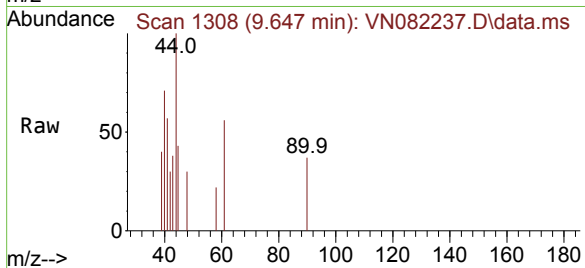
Tgt Ion: 41 Resp: 1278

Ion Ratio Lower Upper

41 100

69 0.0 77.9 116.9#

39 47.1 50.9 76.3#



#50

Toluene-d8

Concen: 54.419 ug/l

RT: 10.570 min Scan# 1465

Delta R.T. -0.000 min

Lab File: VN082237.D

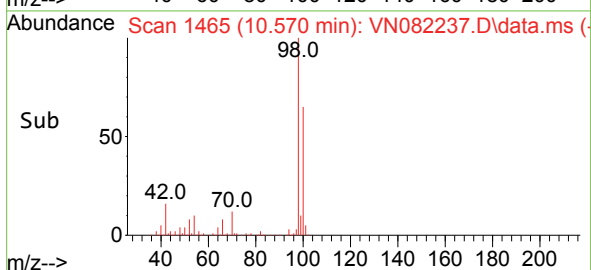
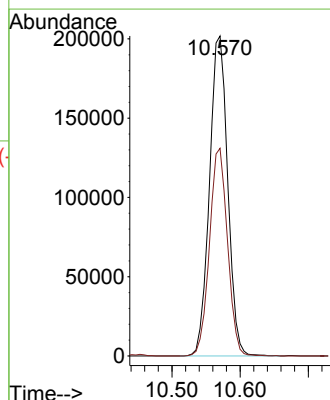
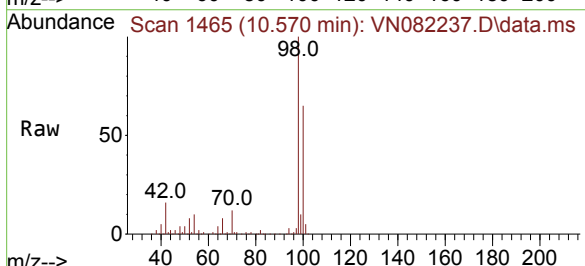
Acq: 21 May 2024 13:52

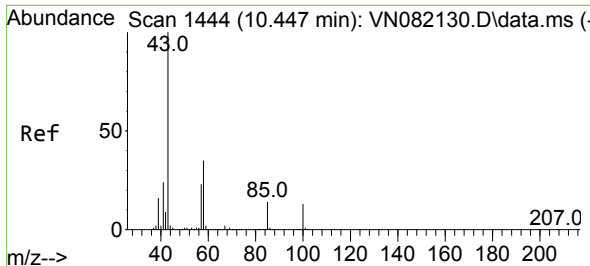
Tgt Ion: 98 Resp: 375759

Ion Ratio Lower Upper

98 100

100 64.1 51.8 77.6

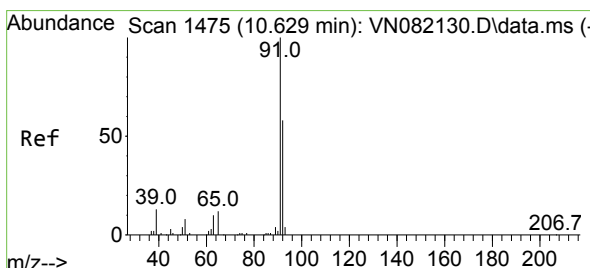
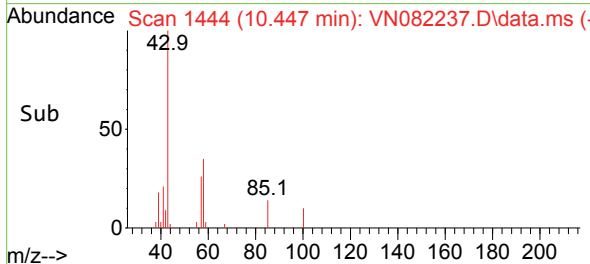
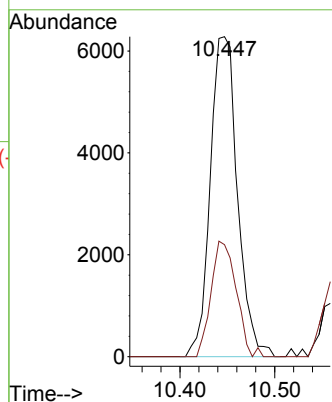
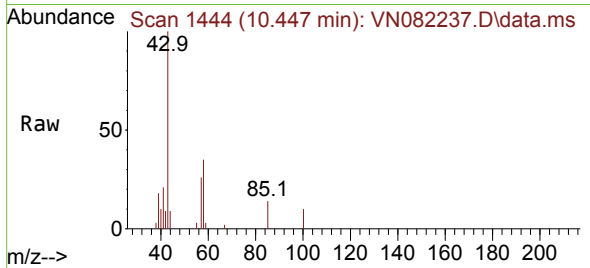




#51
4-Methyl-2-Pentanone
Concen: 3.682 ug/l
RT: 10.447 min Scan# 1444
Delta R.T. -0.000 min
Lab File: VN082237.D
Acq: 21 May 2024 13:52

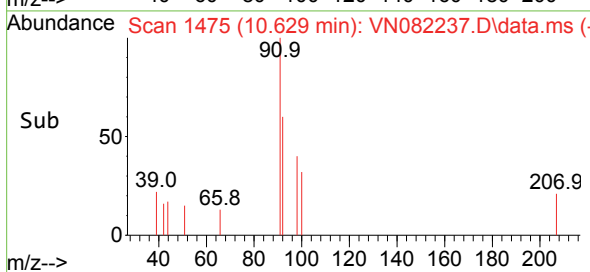
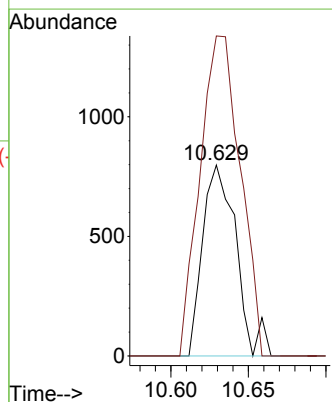
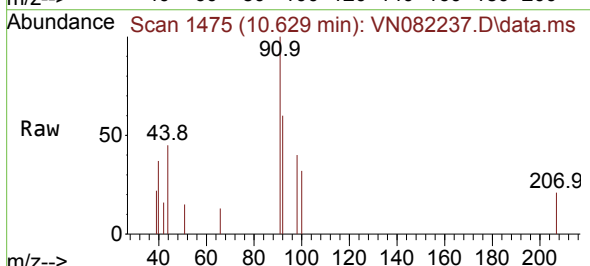
Instrument :
MSVOA_N
ClientSampleId :
451

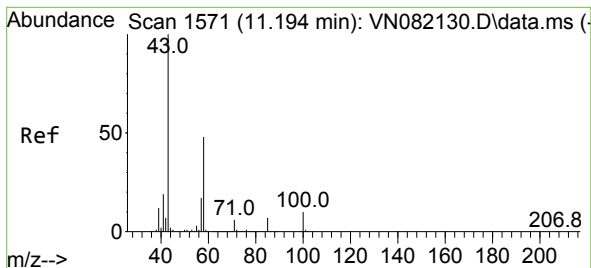
Tgt Ion: 43 Resp: 12532
Ion Ratio Lower Upper
43 100
58 33.3 33.2 49.8



#52
Toluene
Concen: 0.221 ug/l
RT: 10.629 min Scan# 1475
Delta R.T. -0.000 min
Lab File: VN082237.D
Acq: 21 May 2024 13:52

Tgt Ion: 92 Resp: 1193
Ion Ratio Lower Upper
92 100
91 202.8 136.7 205.1

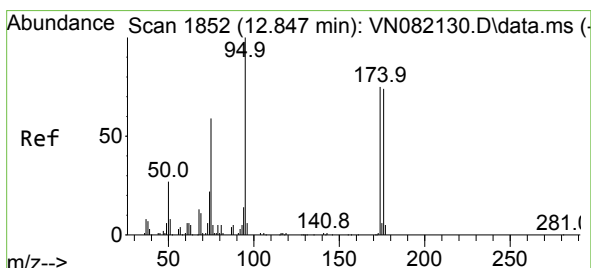
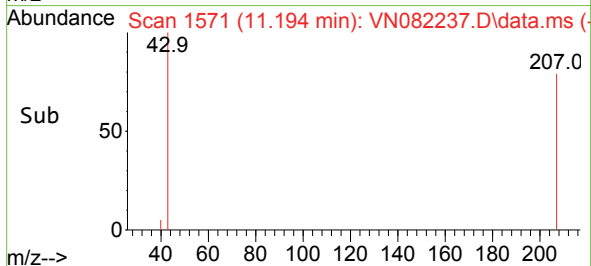
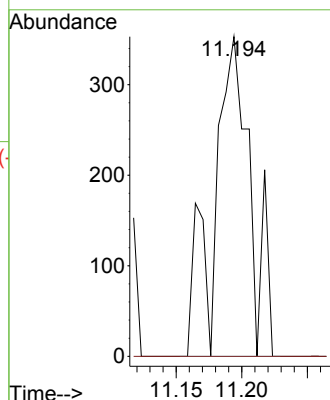
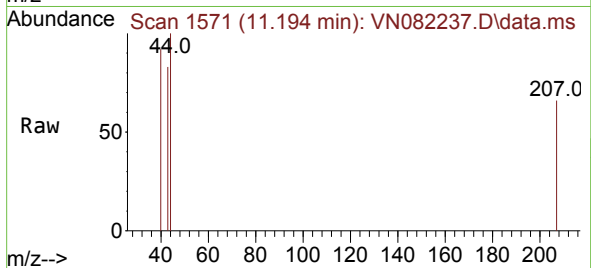




#59
2-Hexanone
Concen: 0.273 ug/l
RT: 11.194 min Scan# 111
Delta R.T. -0.000 min
Lab File: VN082237.D
Acq: 21 May 2024 13:52

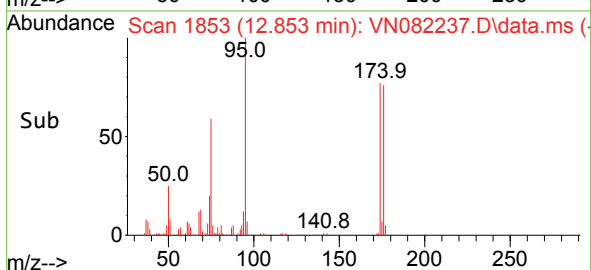
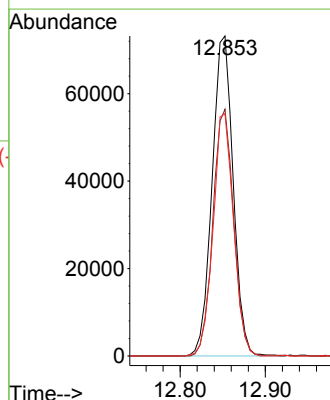
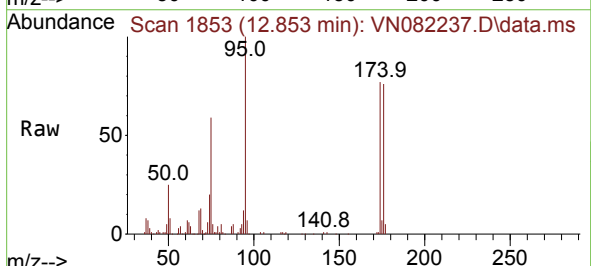
Instrument :
MSVOA_N
ClientSampleId :
451

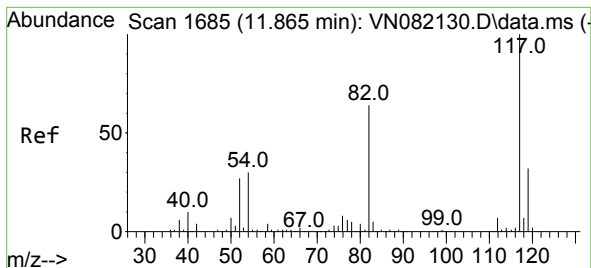
Tgt Ion: 43 Resp: 680
Ion Ratio Lower Upper
43 100
58 0.0 28.3 84.9#



#62
4-Bromofluorobenzene
Concen: 51.022 ug/l
RT: 12.853 min Scan# 1853
Delta R.T. 0.006 min
Lab File: VN082237.D
Acq: 21 May 2024 13:52

Tgt Ion: 95 Resp: 125746
Ion Ratio Lower Upper
95 100
174 76.0 0.0 160.6
176 73.6 0.0 152.8





#63

Chlorobenzene-d5

Concen: 50.000 ug/l

RT: 11.865 min Scan# 1

Delta R.T. -0.000 min

Lab File: VN082237.D

Acq: 21 May 2024 13:52

Instrument :

MSVOA_N

ClientSampleId :

451

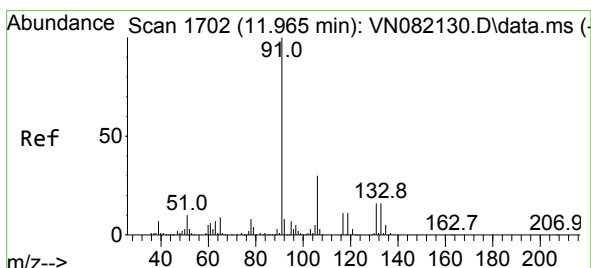
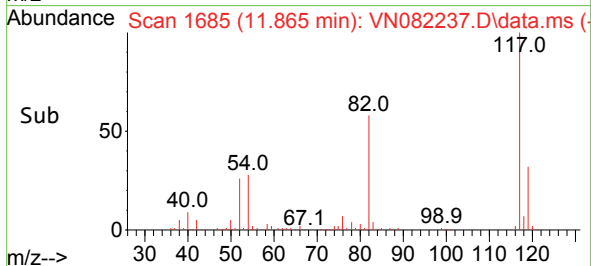
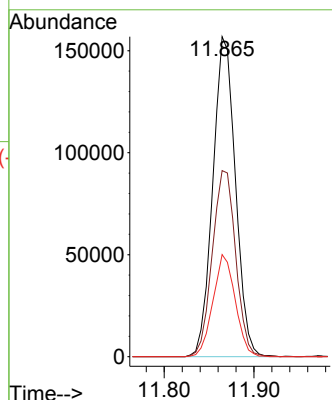
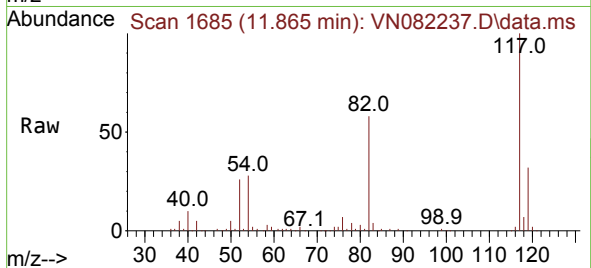
Tgt Ion:117 Resp: 274581

Ion Ratio Lower Upper

117 100

82 58.1 44.6 66.8

119 31.9 25.9 38.9



#67

Ethyl Benzene

Concen: 0.590 ug/l

RT: 11.965 min Scan# 1702

Delta R.T. -0.000 min

Lab File: VN082237.D

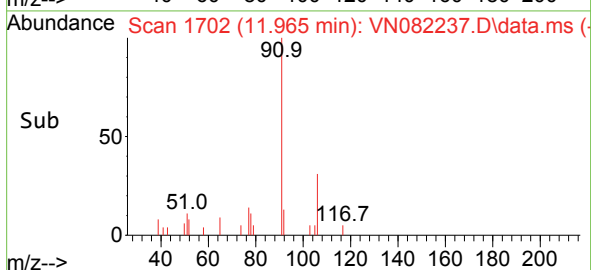
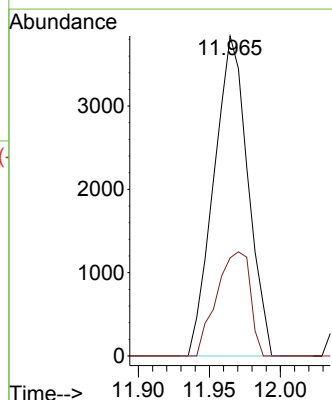
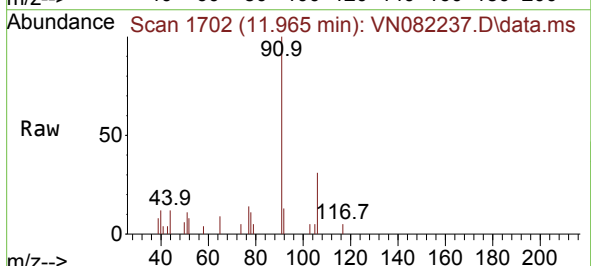
Acq: 21 May 2024 13:52

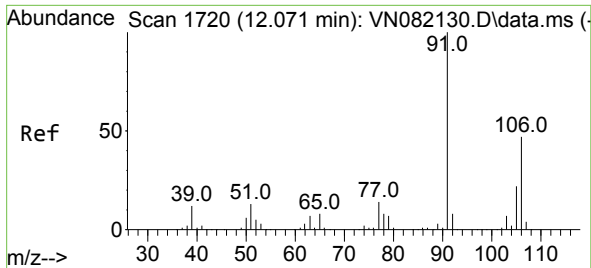
Tgt Ion: 91 Resp: 6400

Ion Ratio Lower Upper

91 100

106 30.7 25.3 37.9

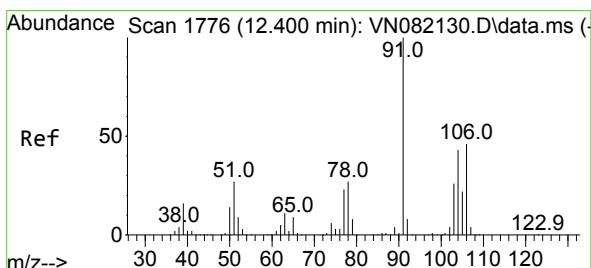
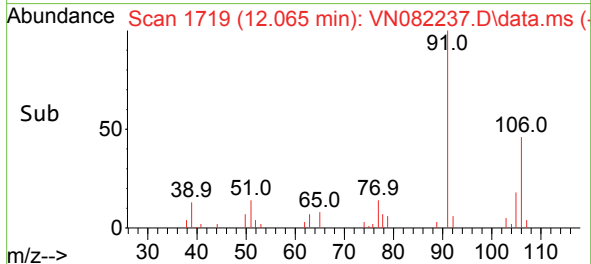
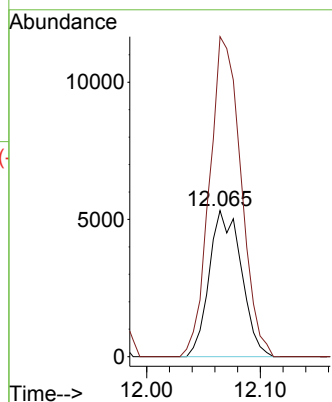
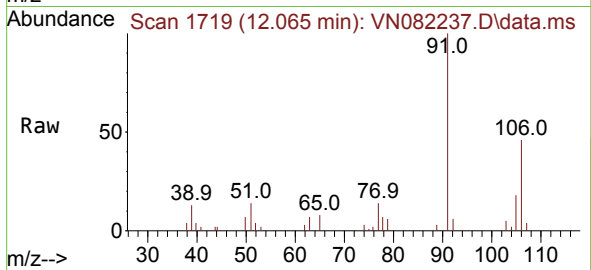




#68
m/p-Xylenes
Concen: 2.628 ug/l
RT: 12.065 min Scan# 1719
Delta R.T. -0.006 min
Lab File: VN082237.D
Acq: 21 May 2024 13:52

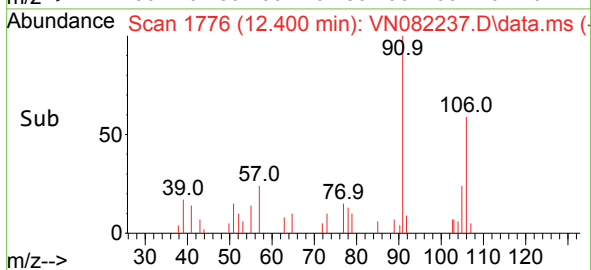
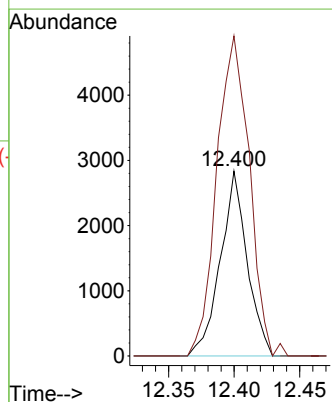
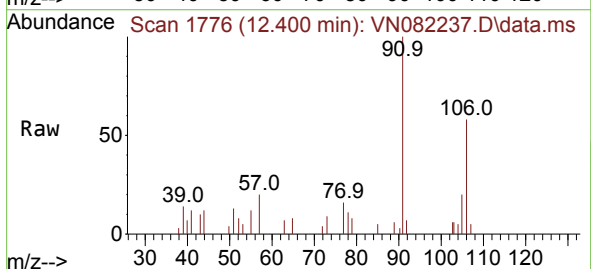
Instrument :
MSVOA_N
ClientSampleId :
451

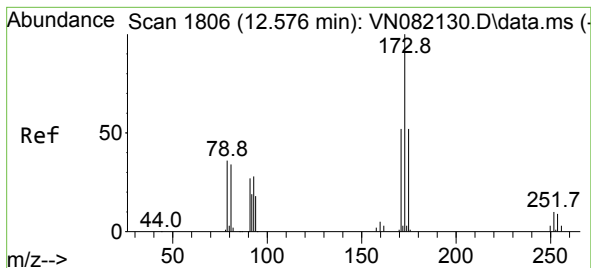
Tgt Ion:106 Resp: 10453
Ion Ratio Lower Upper
106 100
91 214.8 159.4 239.0



#69
o-Xylene
Concen: 1.046 ug/l
RT: 12.400 min Scan# 1776
Delta R.T. -0.000 min
Lab File: VN082237.D
Acq: 21 May 2024 13:52

Tgt Ion:106 Resp: 4030
Ion Ratio Lower Upper
106 100
91 210.5 104.7 314.1





#71

Bromoform

Concen: 1.230 ug/l

RT: 12.847 min Scan# 1806

Delta R.T. 0.271 min

Lab File: VN082237.D

Acq: 21 May 2024 13:52

Instrument :

MSVOA_N

ClientSampleId :

451

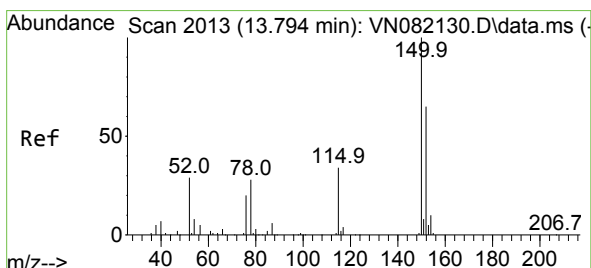
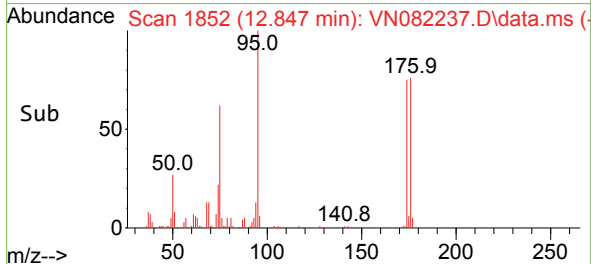
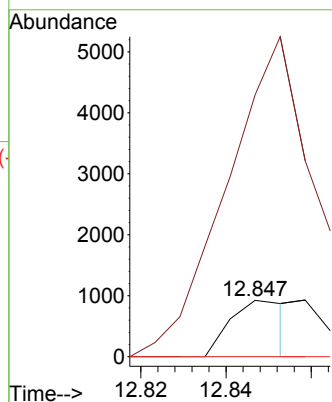
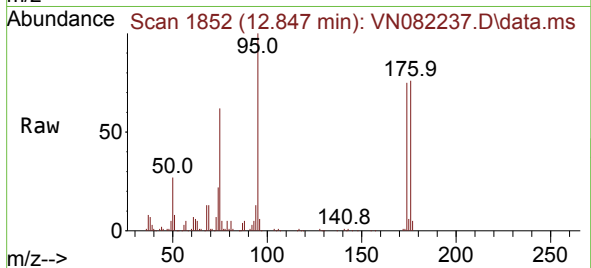
Tgt Ion:173 Resp: 853

Ion Ratio Lower Upper

173 100

175 0.0 24.6 74.0#

254 0.0 0.0 0.0



#72

1,4-Dichlorobenzene-d4

Concen: 50.000 ug/l

RT: 13.794 min Scan# 2013

Delta R.T. -0.000 min

Lab File: VN082237.D

Acq: 21 May 2024 13:52

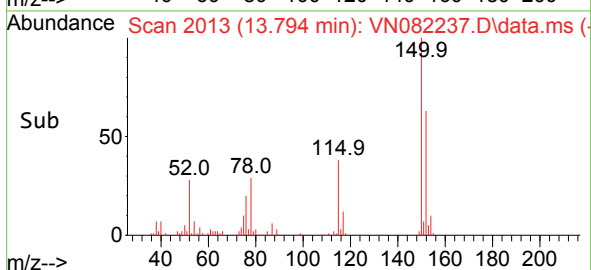
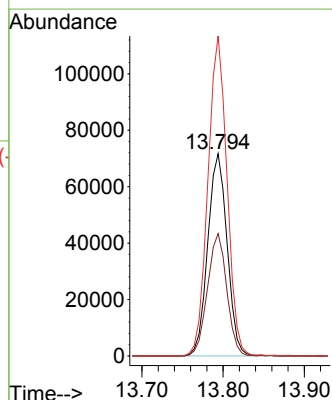
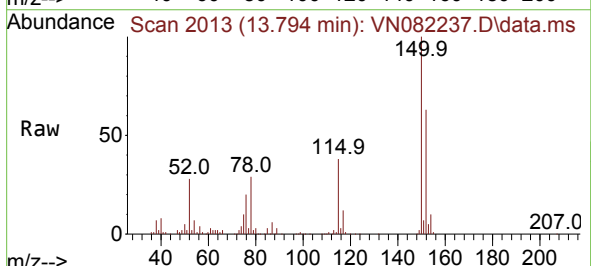
Tgt Ion:152 Resp: 118515

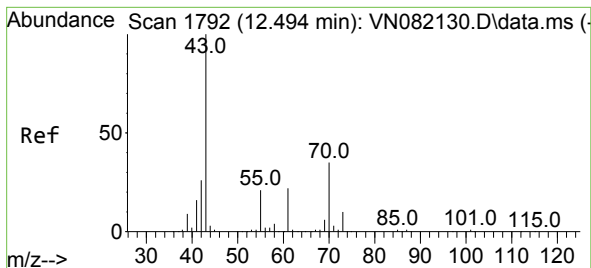
Ion Ratio Lower Upper

152 100

115 60.3 30.4 91.3

150 156.1 0.0 353.2





#74

N-amy1 acetate

Concen: 1.609 ug/l

RT: 12.459 min Scan# 1

Delta R.T. -0.035 min

Lab File: VN082237.D

Acq: 21 May 2024 13:52

Instrument :

MSVOA_N

ClientSampleId :

451

Tgt Ion: 43 Resp: 8333

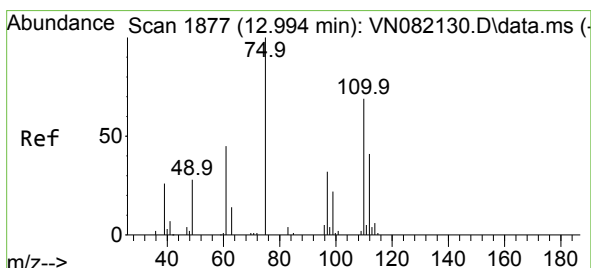
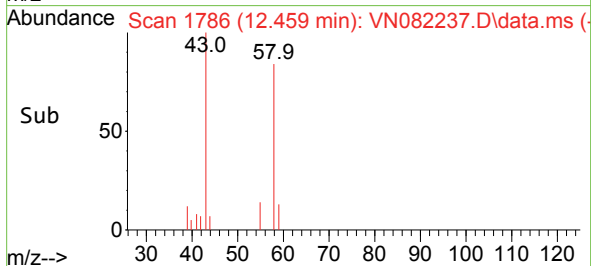
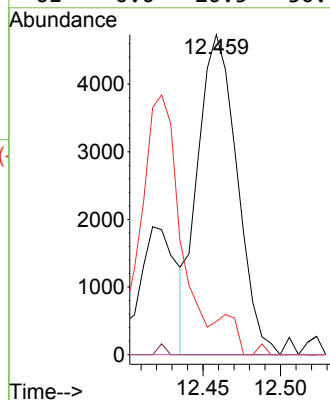
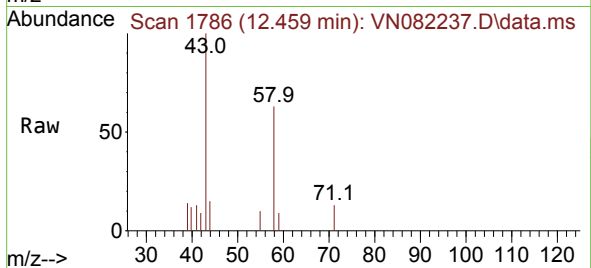
Ion Ratio Lower Upper

43 100

70 0.0 39.0 58.4#

55 0.0 21.3 31.9#

61 0.0 20.5 30.7#



#76

1,2,3-Trichloropropane

Concen: 29.784 ug/l

RT: 12.847 min Scan# 1852

Delta R.T. -0.147 min

Lab File: VN082237.D

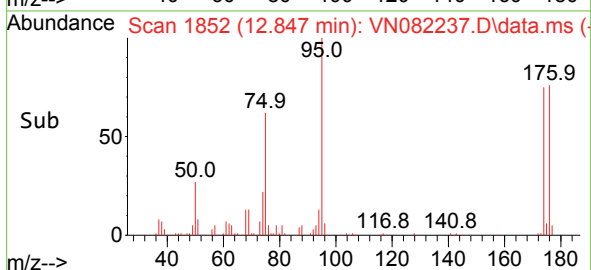
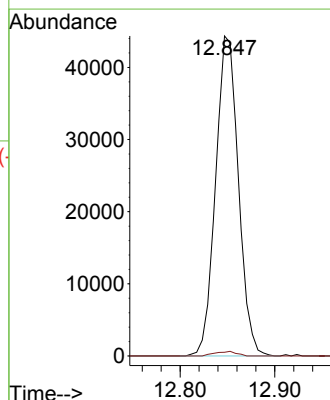
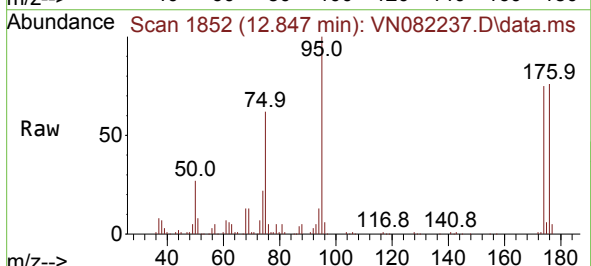
Acq: 21 May 2024 13:52

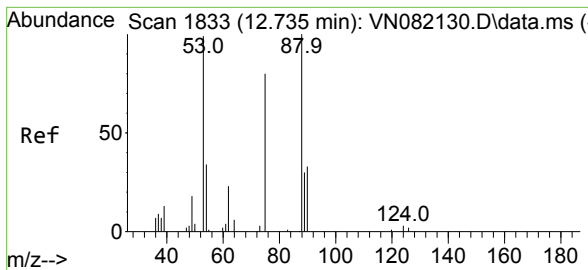
Tgt Ion: 75 Resp: 74294

Ion Ratio Lower Upper

75 100

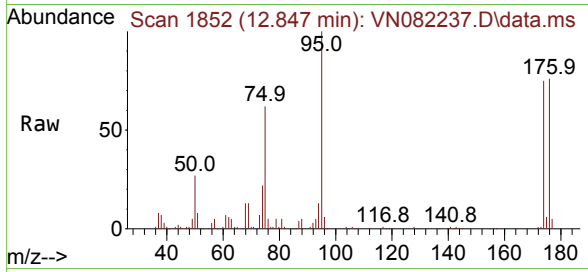
77 1.3 90.5 271.3#





#81
 trans-1,4-Dichloro-2-butene
 Concen: 69.663 ug/l
 RT: 12.847 min Scan# 11
 Delta R.T. 0.112 min
 Lab File: VN082237.D
 Acq: 21 May 2024 13:52

Instrument :
 MSVOA_N
 ClientSampleId :
 451



Tgt Ion: 75 Resp: 74294
 Ion Ratio Lower Upper
 75 100
 53 0.1 72.9 109.3#
 89 0.0 39.1 58.7#

