

Data Path : Z:\voasrv\HPCHEM1\MSVOA_N\Data\VN020824\
 Data File : VN080958.D
 Acq On : 08 Feb 2024 12:58
 Operator : JC\MD
 Sample : P1373-02
 Misc : 5.0mL/MSVOA_N/WATER
 ALS Vial : 10 Sample Multiplier: 1

Instrument :
 MSVOA_N
 ClientSampleId :

Quant Time: Feb 09 01:20:05 2024
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_N\methods\82N020624W.M
 Quant Title : SW846 8260
 QLast Update : Wed Feb 07 06:22:23 2024
 Response via : Initial Calibration

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

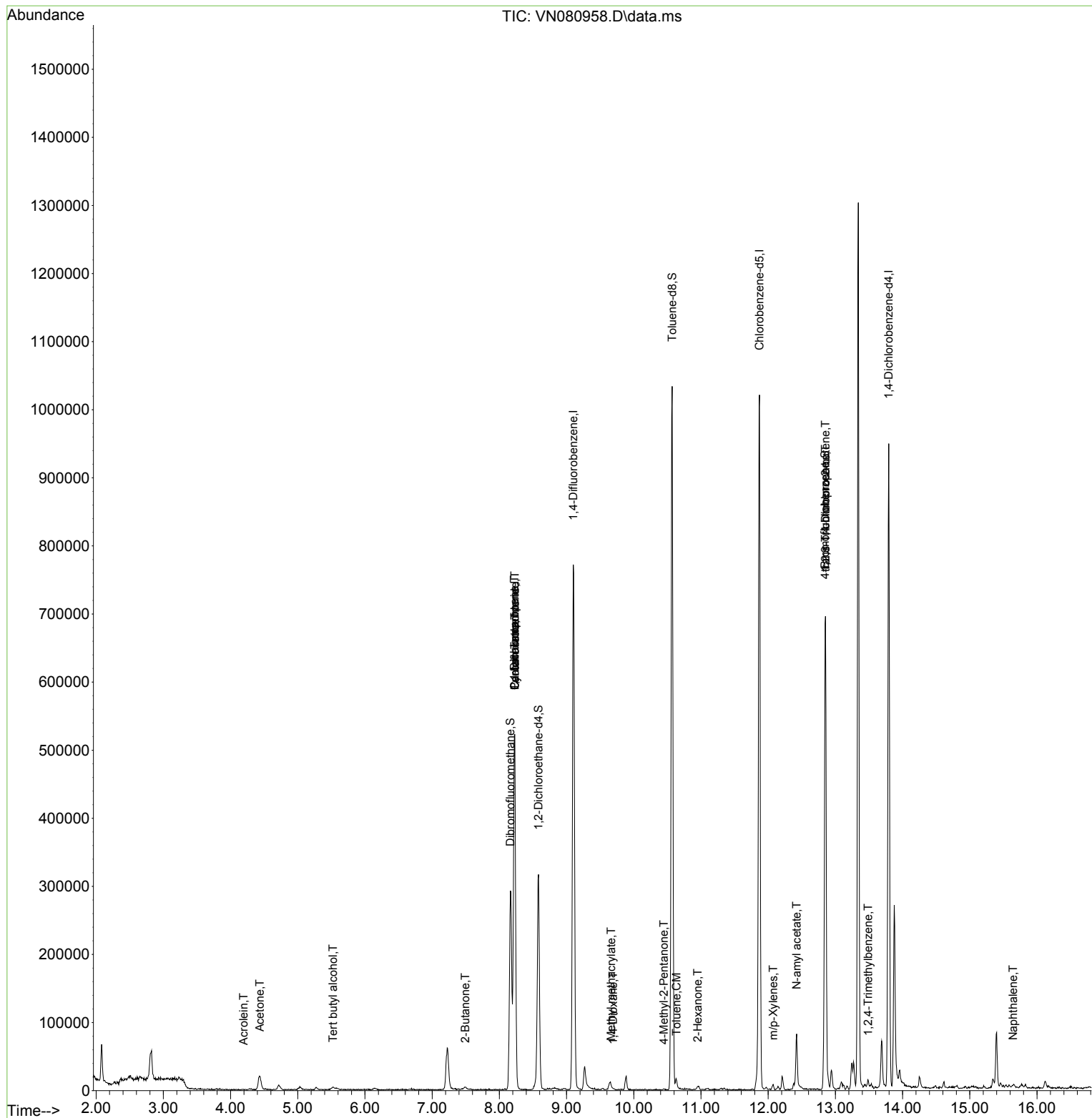
Internal Standards						
1) Pentafluorobenzene	8.229	168	376091	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	9.100	114	691868	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.870	117	594312	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.794	152	243926	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.582	65	249867	52.666	ug/l	0.00
Spiked Amount	50.000	Range	74 - 125	Recovery	=	105.340%
35) Dibromofluoromethane	8.165	113	212295	57.183	ug/l	0.00
Spiked Amount	50.000	Range	75 - 124	Recovery	=	114.360%
50) Toluene-d8	10.571	98	708212	52.739	ug/l	0.00
Spiked Amount	50.000	Range	86 - 113	Recovery	=	105.480%
62) 4-Bromofluorobenzene	12.847	95	241243	49.452	ug/l	0.00
Spiked Amount	50.000	Range	83 - 123	Recovery	=	98.900%
Target Compounds						
					Qvalue	
3) Chloromethane	2.371	50	3166	Below Cal		90
11) Tert butyl alcohol	5.524	59	5120	7.832 ug/l	#	89
13) Acrolein	4.194	56	606	0.736 ug/l	#	45
16) Acetone	4.436	43	39024	25.001 ug/l		94
18) Methyl Acetate	5.030	43	6824	Below Cal		92
25) 2-Butanone	7.494	43	6499	2.594 ug/l	#	76
31) Cyclohexane	8.229	56	9226	1.423 ug/l	#	1
36) 1,1-Dichloropropene	8.224	75	32628	5.908 ug/l	#	52
38) Carbon Tetrachloride	8.229	117	41707	7.366 ug/l	#	17
48) Methyl methacrylate	9.665	41	2047	0.473 ug/l	#	15
49) 1,4-Dioxane	9.694	88	1400	17.512 ug/l	#	18
51) 4-Methyl-2-Pentanone	10.447	43	1082	0.234 ug/l	#	78
52) Toluene	10.635	92	6238	0.554 ug/l		94
59) 2-Hexanone	10.953	43	765	0.218 ug/l		73
68) m/p-Xylenes	12.076	106	2809	0.345 ug/l	#	62
74) N-amyl acetate	12.423	43	17863	2.612 ug/l	#	1
76) 1,2,3-Trichloropropane	12.853	75	131885	26.517 ug/l	#	1
81) trans-1,4-Dichloro-2-b...	12.853	75	131885	72.045 ug/l	#	14
84) 1,2,4-Trimethylbenzene	13.488	105	4953	0.323 ug/l		97
95) Naphthalene	15.647	128	3258	0.244 ug/l	#	86

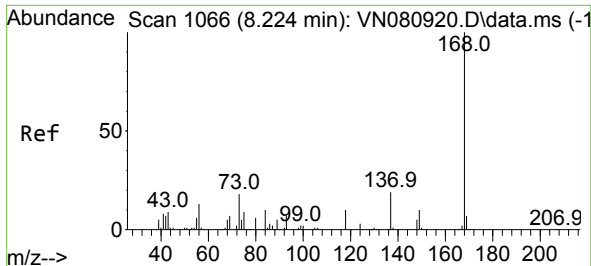
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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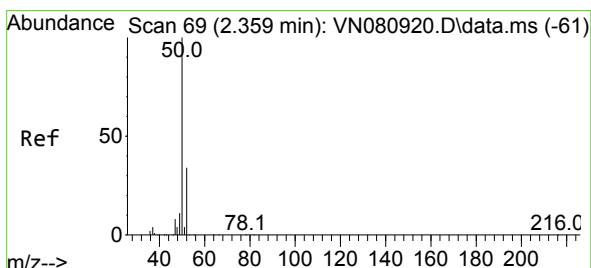
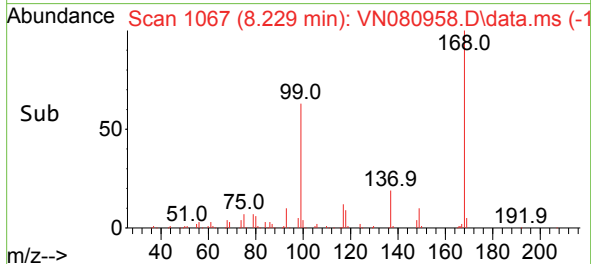
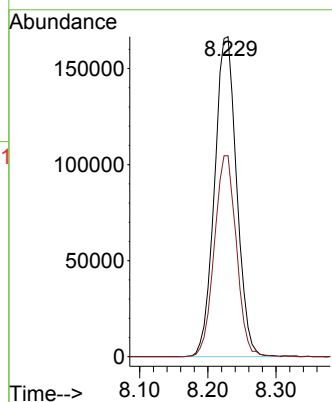
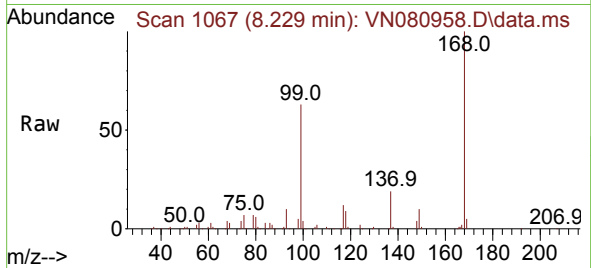




#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 8.229 min Scan# 10
Delta R.T. 0.005 min
Lab File: VN080958.D
Acq: 08 Feb 2024 12:58

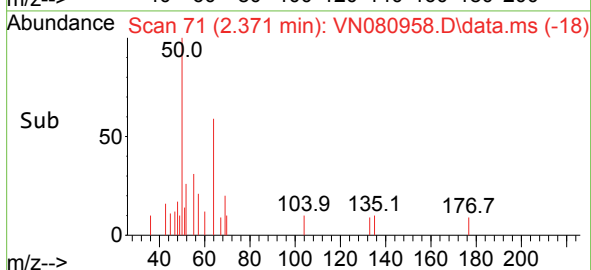
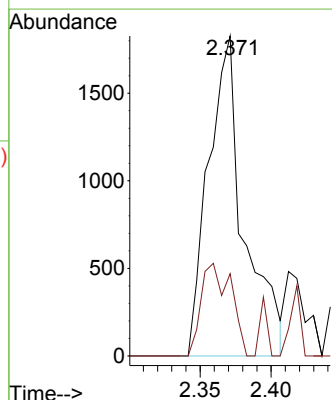
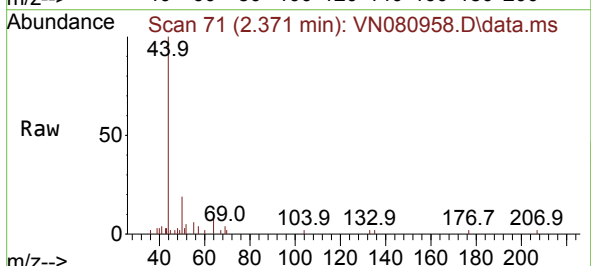
Instrument :
MSVOA_N
ClientSampleId :

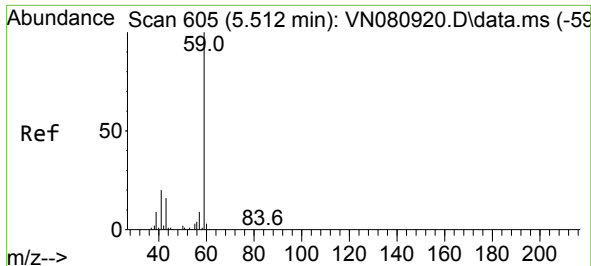
Tgt Ion:168 Resp: 376091
Ion Ratio Lower Upper
168 100
99 62.8 59.9 89.9



#3
Chloromethane
Concen: Below Cal
RT: 2.371 min Scan# 71
Delta R.T. 0.012 min
Lab File: VN080958.D
Acq: 08 Feb 2024 12:58

Tgt Ion: 50 Resp: 3166
Ion Ratio Lower Upper
50 100
52 25.7 25.0 37.4

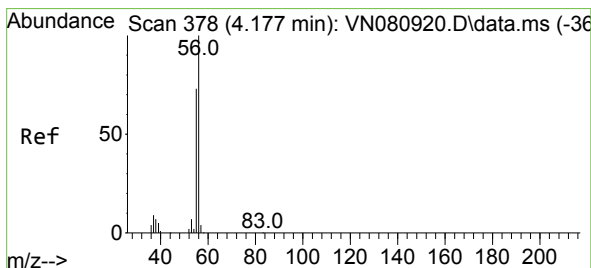
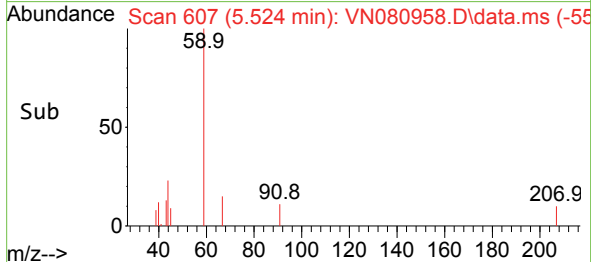
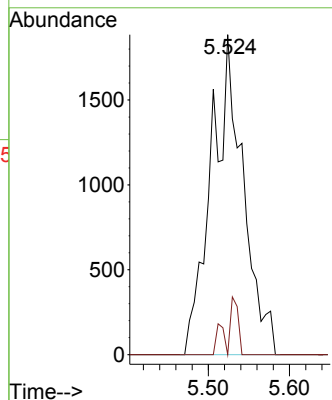
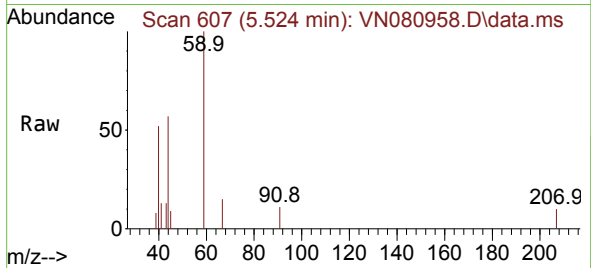




#11
Tert butyl alcohol
Concen: 7.832 ug/l
RT: 5.524 min Scan# 605
Delta R.T. 0.012 min
Lab File: VN080958.D
Acq: 08 Feb 2024 12:58

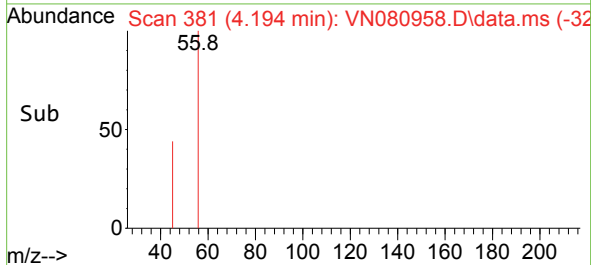
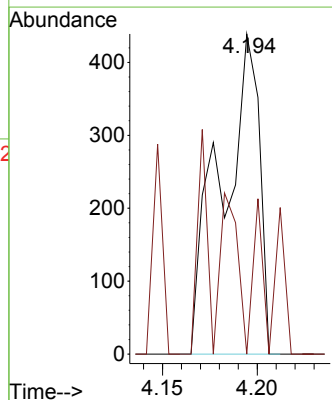
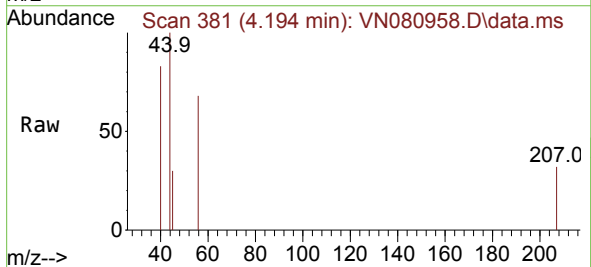
Instrument :
MSVOA_N
ClientSampleId :

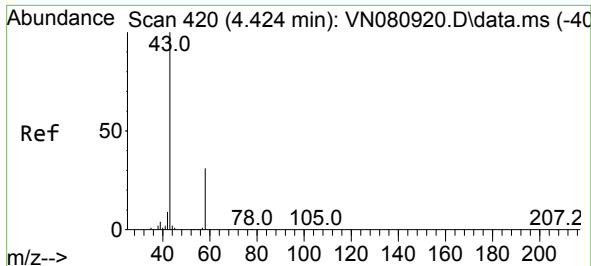
Tgt Ion: 59 Resp: 5120
Ion Ratio Lower Upper
59 100
57 6.6 8.6 12.8#



#13
Acrolein
Concen: 0.736 ug/l
RT: 4.194 min Scan# 381
Delta R.T. 0.017 min
Lab File: VN080958.D
Acq: 08 Feb 2024 12:58

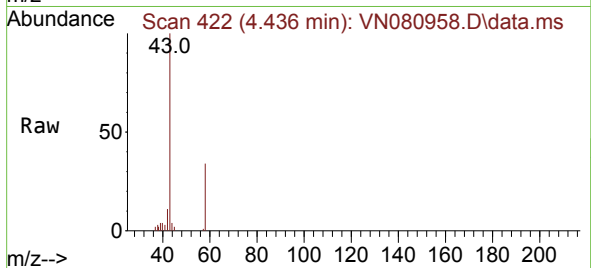
Tgt Ion: 56 Resp: 606
Ion Ratio Lower Upper
56 100
55 24.1 55.3 82.9#



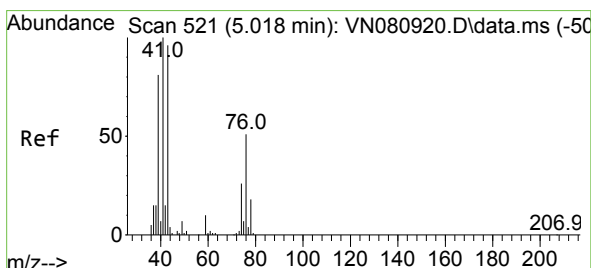
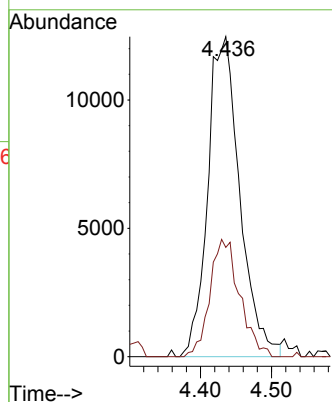
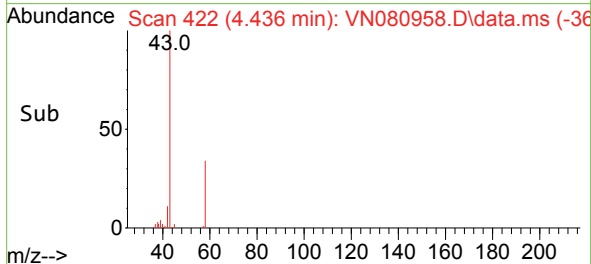


#16
Acetone
Concen: 25.001 ug/l
RT: 4.436 min Scan# 41
Delta R.T. 0.012 min
Lab File: VN080958.D
Acq: 08 Feb 2024 12:58

Instrument :
MSVOA_N
ClientSampleId :

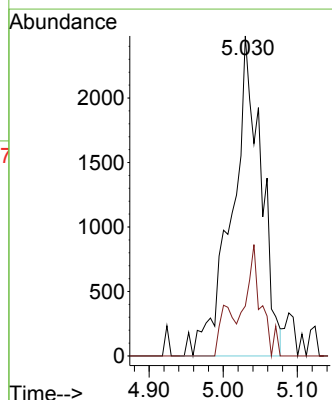
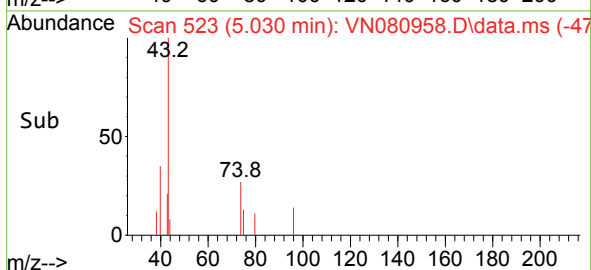
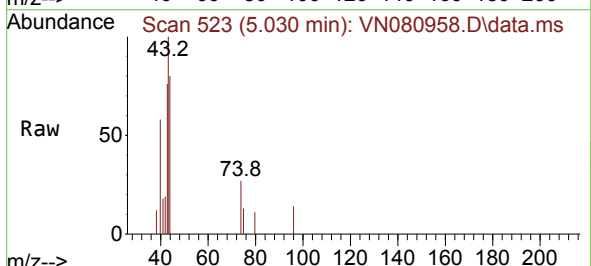


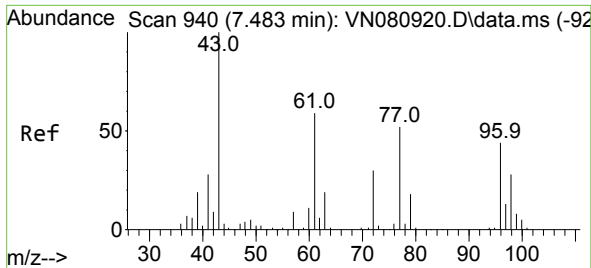
Tgt Ion: 43 Resp: 39024
Ion Ratio Lower Upper
43 100
58 34.1 24.8 37.2



#18
Methyl Acetate
Concen: Below Cal
RT: 5.030 min Scan# 523
Delta R.T. 0.012 min
Lab File: VN080958.D
Acq: 08 Feb 2024 12:58

Tgt Ion: 43 Resp: 6824
Ion Ratio Lower Upper
43 100
74 18.0 17.3 25.9

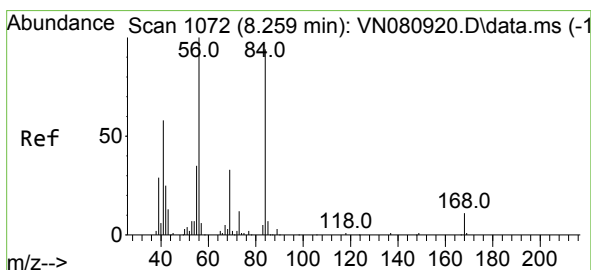
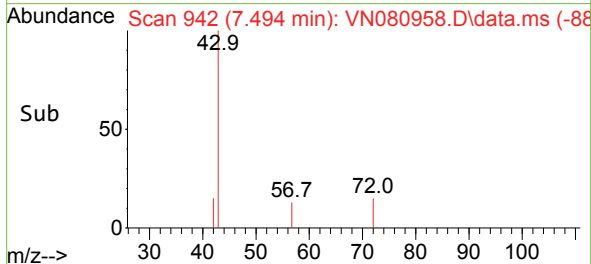
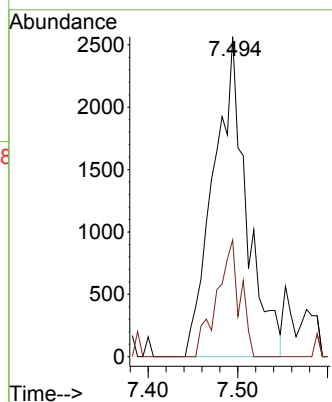
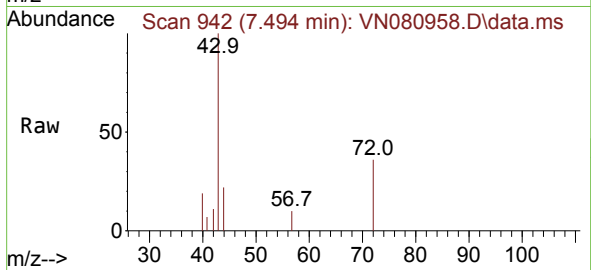




#25
2-Butanone
Concen: 2.594 ug/l
RT: 7.494 min Scan# 94
Delta R.T. 0.012 min
Lab File: VN080958.D
Acq: 08 Feb 2024 12:58

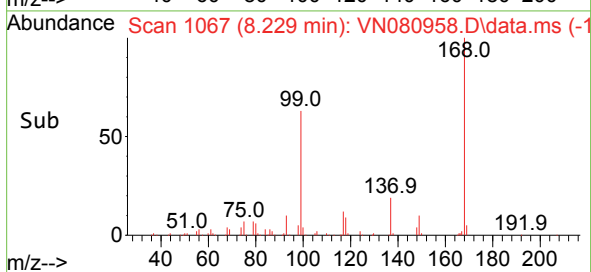
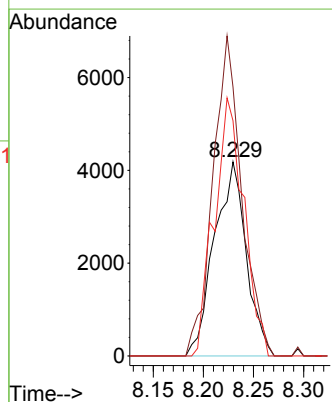
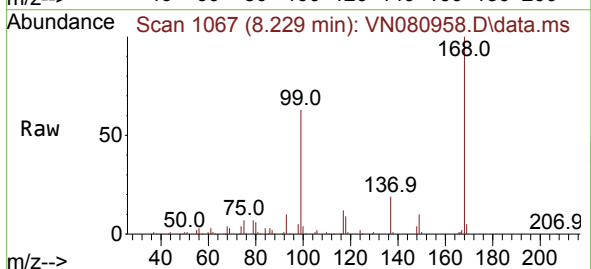
Instrument :
MSVOA_N
ClientSampleId :

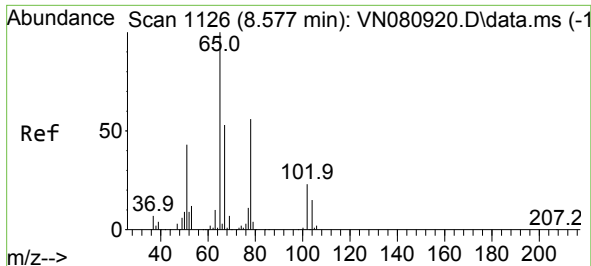
Tgt Ion: 43 Resp: 6499
Ion Ratio Lower Upper
43 100
72 36.4 19.5 29.3#



#31
Cyclohexane
Concen: 1.423 ug/l
RT: 8.229 min Scan# 1067
Delta R.T. -0.030 min
Lab File: VN080958.D
Acq: 08 Feb 2024 12:58

Tgt Ion: 56 Resp: 9226
Ion Ratio Lower Upper
56 100
69 138.5 20.1 30.1#
84 121.1 56.9 85.3#





#33

1,2-Dichloroethane-d4

Concen: 52.666 ug/l

RT: 8.582 min Scan# 1127

Delta R.T. 0.006 min

Lab File: VN080958.D

Acq: 08 Feb 2024 12:58

Instrument :

MSVOA_N

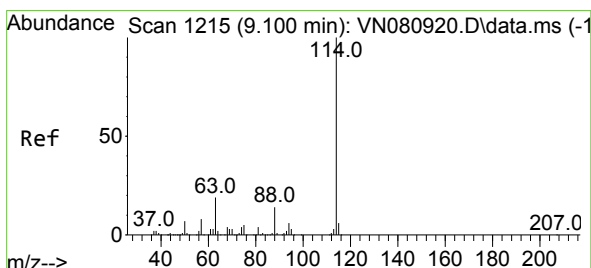
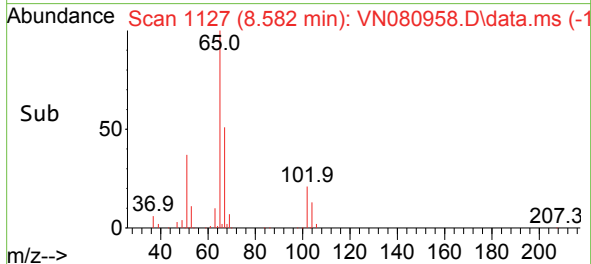
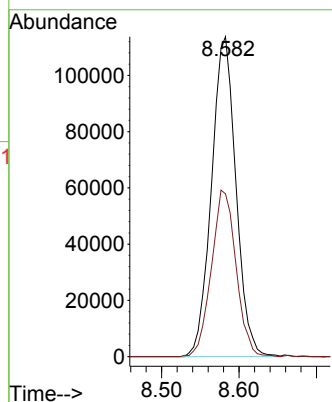
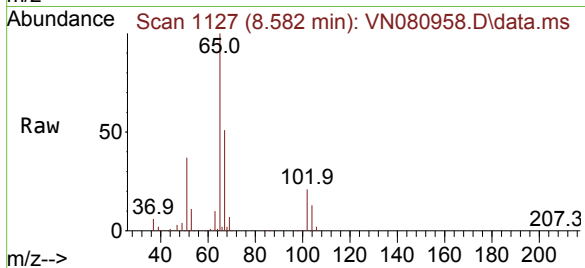
ClientSampleId :

Tgt Ion: 65 Resp: 249867

Ion Ratio Lower Upper

65 100

67 52.4 0.0 102.4



#34

1,4-Difluorobenzene

Concen: 50.000 ug/l

RT: 9.100 min Scan# 1215

Delta R.T. -0.000 min

Lab File: VN080958.D

Acq: 08 Feb 2024 12:58

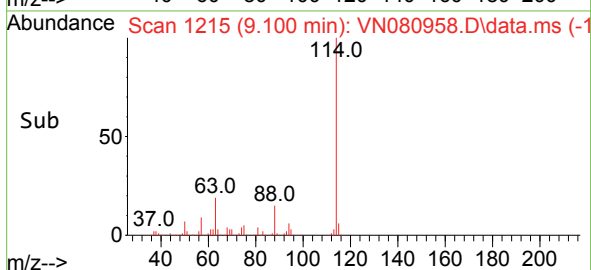
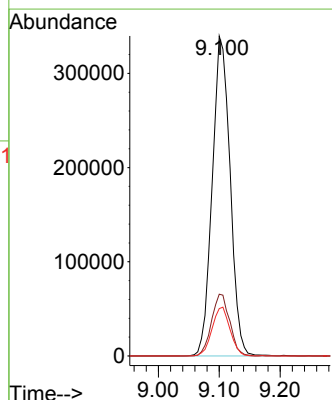
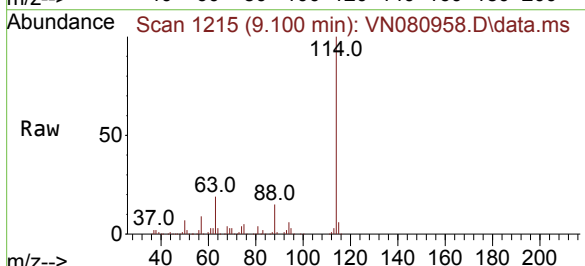
Tgt Ion: 114 Resp: 691868

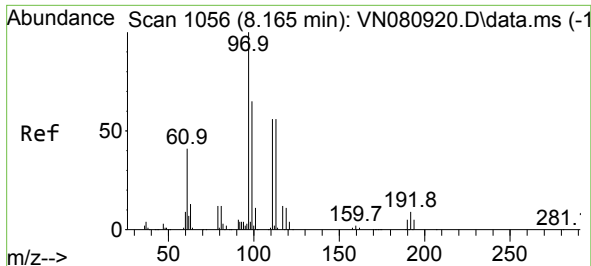
Ion Ratio Lower Upper

114 100

63 19.3 0.0 48.0

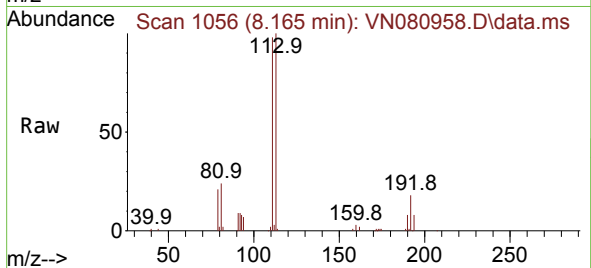
88 14.8 0.0 34.8



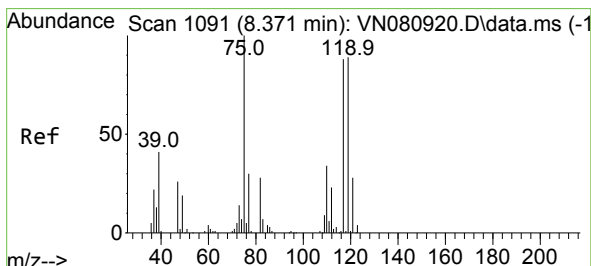
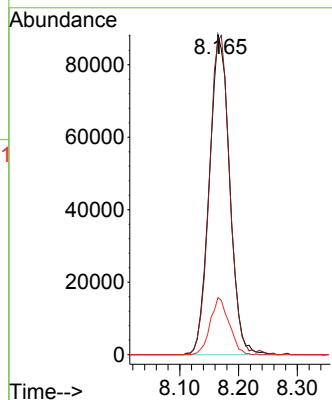
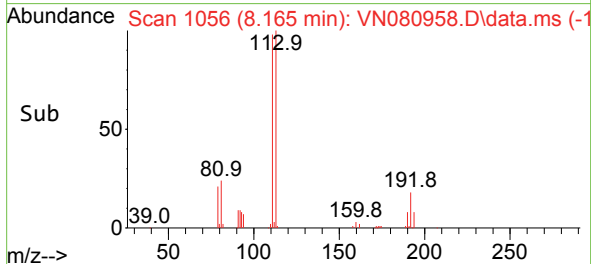


#35
Dibromofluoromethane
Concen: 57.183 ug/l
RT: 8.165 min Scan# 1056
Delta R.T. -0.000 min
Lab File: VN080958.D
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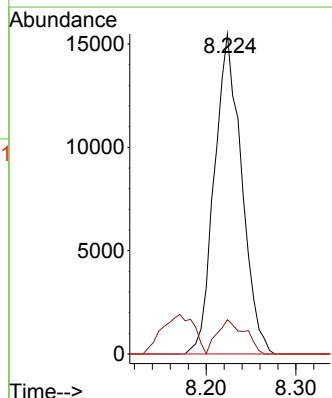
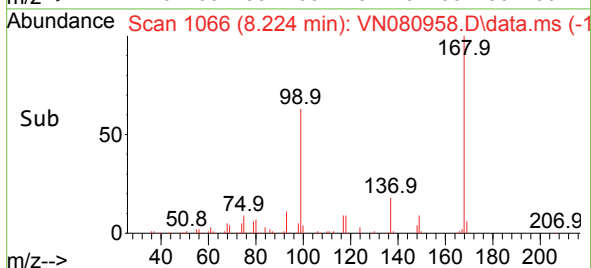
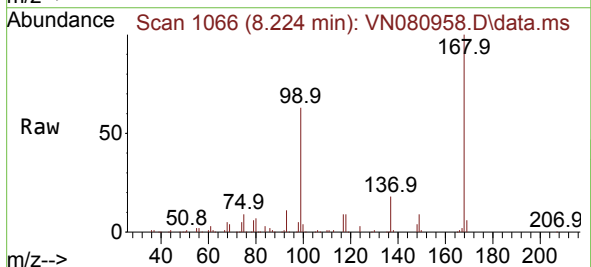


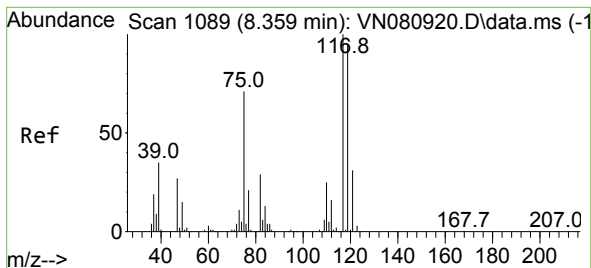
Tgt Ion:113 Resp: 212295
Ion Ratio Lower Upper
113 100
111 100.3 82.2 123.4
192 16.5 12.5 18.7



#36
1,1-Dichloropropene
Concen: 5.908 ug/l
RT: 8.224 min Scan# 1066
Delta R.T. -0.147 min
Lab File: VN080958.D
Acq: 08 Feb 2024 12:58

Tgt Ion: 75 Resp: 32628
Ion Ratio Lower Upper
75 100
110 10.9 16.0 48.0#
77 0.0 25.8 38.6#





#38

Carbon Tetrachloride

Concen: 7.366 ug/l

RT: 8.229 min Scan# 117

Delta R.T. -0.130 min

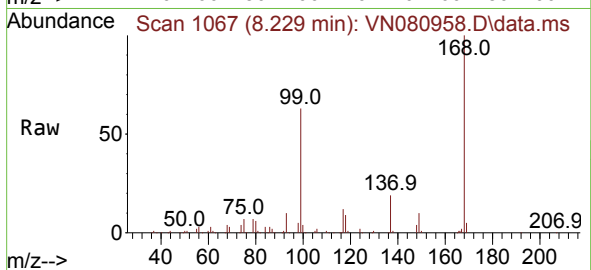
Lab File: VN080958.D

Acq: 08 Feb 2024 12:58

Instrument :

MSVOA_N

ClientSampleId :



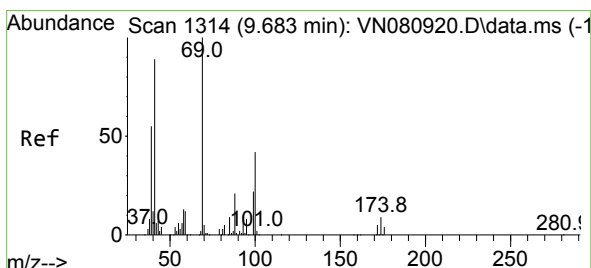
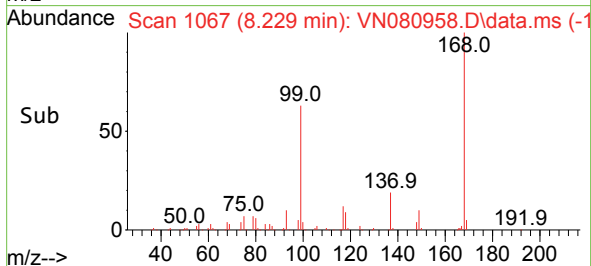
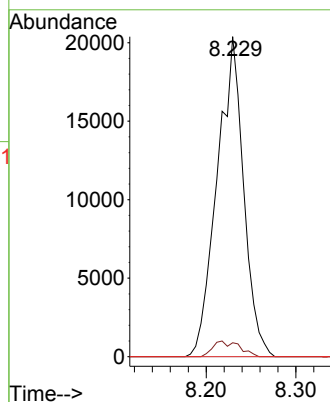
Tgt Ion:117 Resp: 41707

Ion Ratio Lower Upper

117 100

119 4.3 73.4 110.2#

121 0.0 24.4 36.6#



#48

Methyl methacrylate

Concen: 0.473 ug/l

RT: 9.665 min Scan# 1311

Delta R.T. -0.018 min

Lab File: VN080958.D

Acq: 08 Feb 2024 12:58

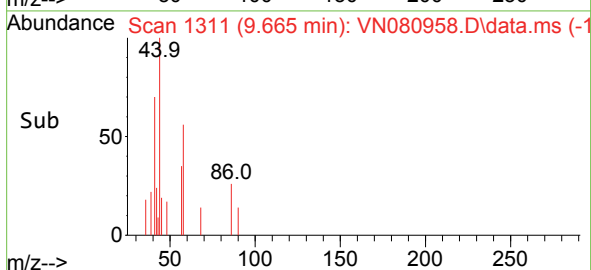
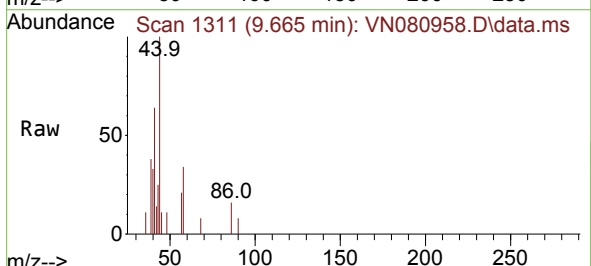
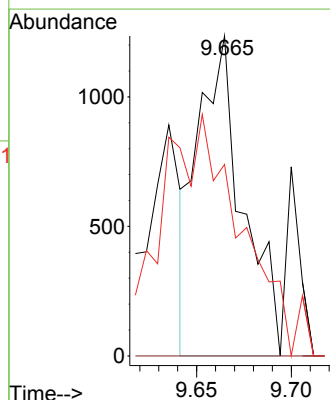
Tgt Ion: 41 Resp: 2047

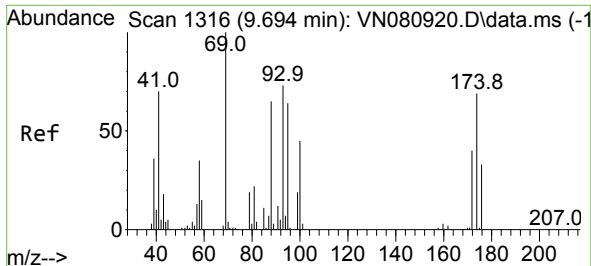
Ion Ratio Lower Upper

41 100

69 0.0 62.2 93.2#

39 0.0 47.6 71.4#





#49

1,4-Dioxane

Concen: 17.512 ug/l

RT: 9.694 min Scan# 1316

Delta R.T. -0.000 min

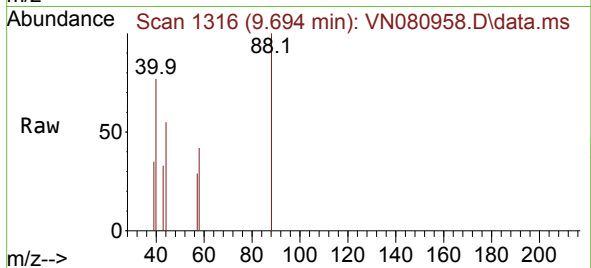
Lab File: VN080958.D

Acq: 08 Feb 2024 12:58

Instrument :

MSVOA_N

ClientSampleId :



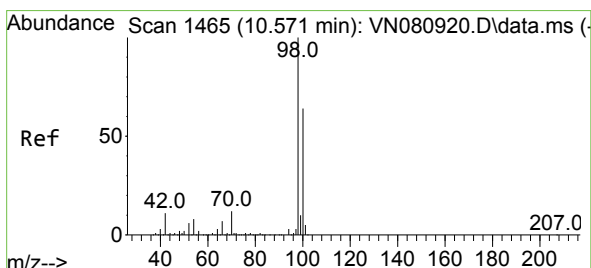
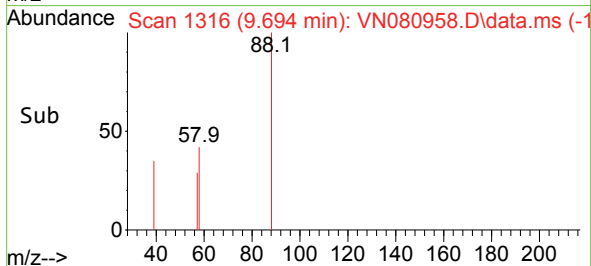
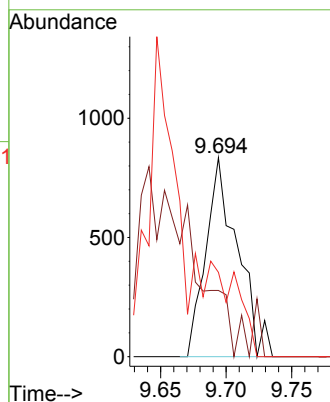
Tgt Ion: 88 Resp: 1400

Ion Ratio Lower Upper

88 100

43 0.0 30.1 45.1#

58 0.0 63.9 95.9#



#50

Toluene-d8

Concen: 52.739 ug/l

RT: 10.571 min Scan# 1465

Delta R.T. -0.000 min

Lab File: VN080958.D

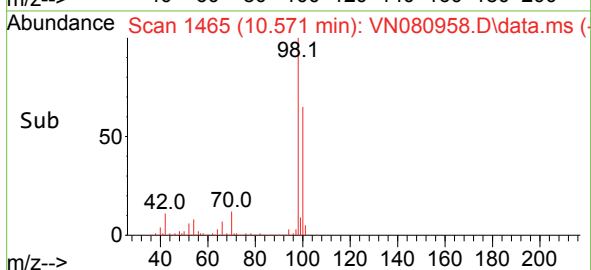
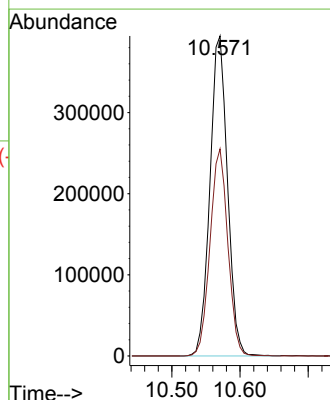
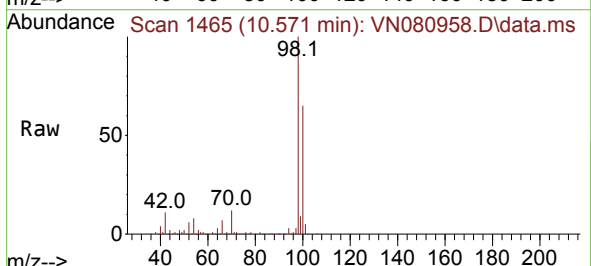
Acq: 08 Feb 2024 12:58

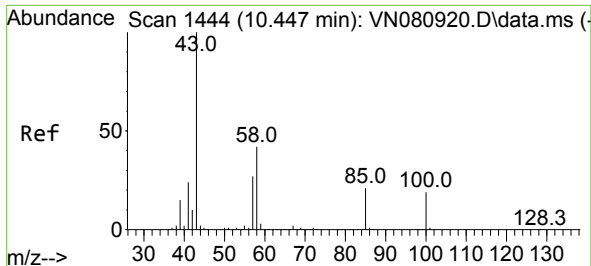
Tgt Ion: 98 Resp: 708212

Ion Ratio Lower Upper

98 100

100 65.4 51.4 77.0

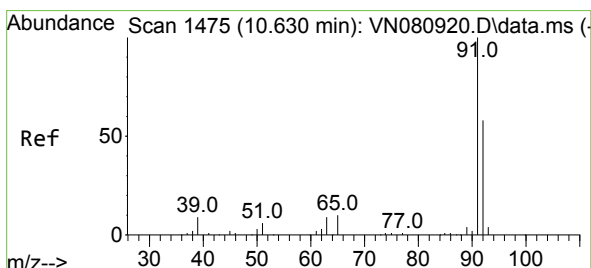
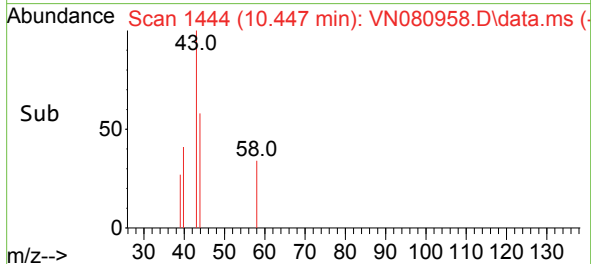
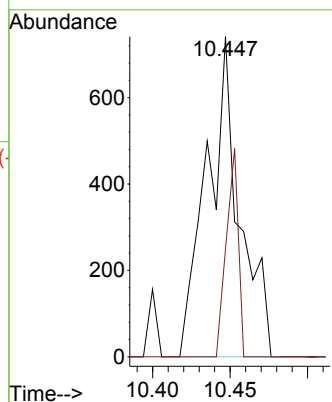
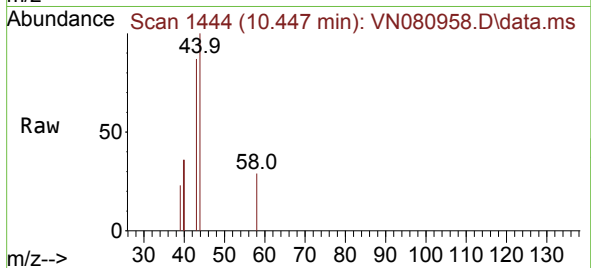




#51
4-Methyl-2-Pentanone
Concen: 0.234 ug/l
RT: 10.447 min Scan# 1444
Delta R.T. -0.000 min
Lab File: VN080958.D
Acq: 08 Feb 2024 12:58

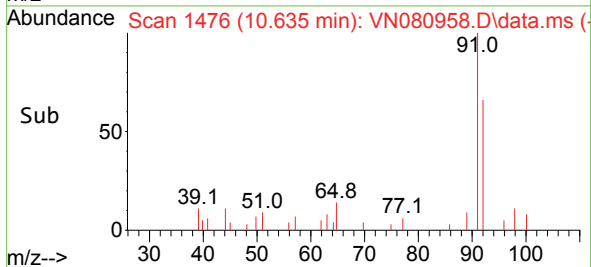
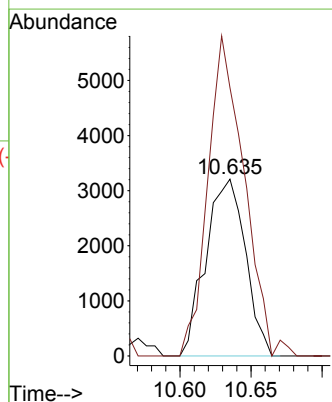
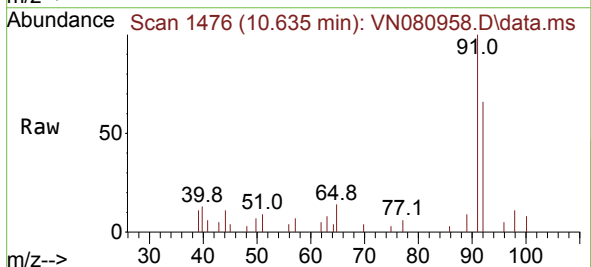
Instrument :
MSVOA_N
ClientSampleId :

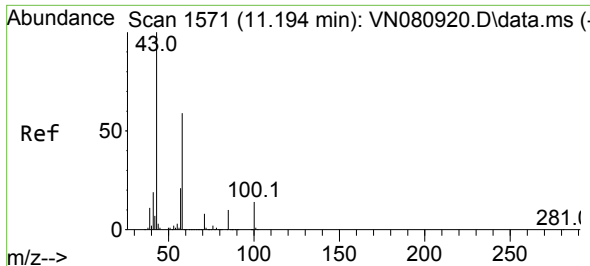
Tgt Ion: 43 Resp: 1082
Ion Ratio Lower Upper
43 100
58 23.8 29.4 44.0#



#52
Toluene
Concen: 0.554 ug/l
RT: 10.635 min Scan# 1476
Delta R.T. 0.006 min
Lab File: VN080958.D
Acq: 08 Feb 2024 12:58

Tgt Ion: 92 Resp: 6238
Ion Ratio Lower Upper
92 100
91 165.6 139.4 209.0

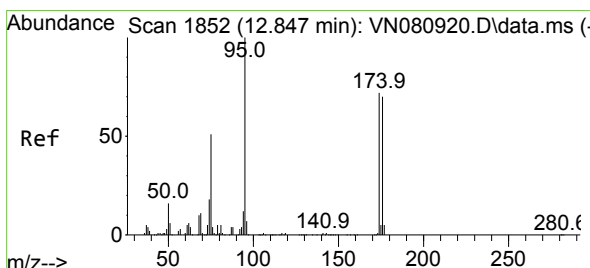
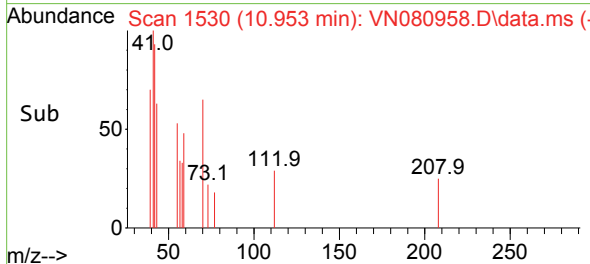
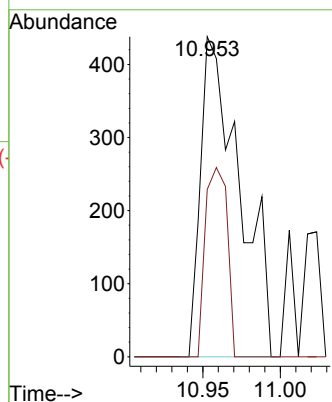
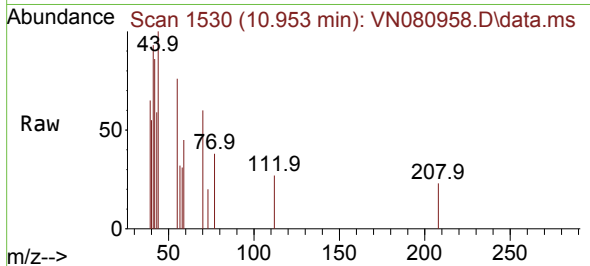




#59
2-Hexanone
Concen: 0.218 ug/l
RT: 10.953 min Scan# 1530
Delta R.T. -0.241 min
Lab File: VN080958.D
Acq: 08 Feb 2024 12:58

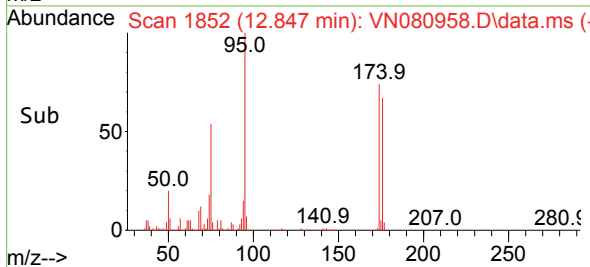
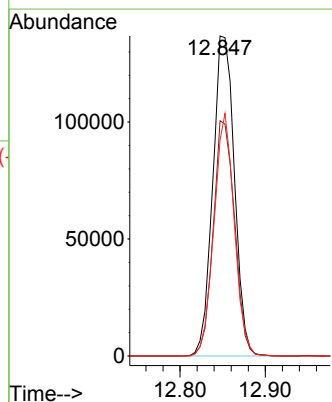
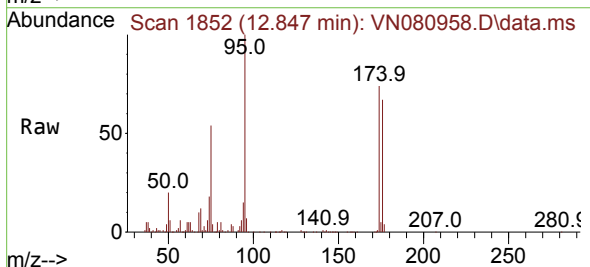
Instrument :
MSVOA_N
ClientSampleId :

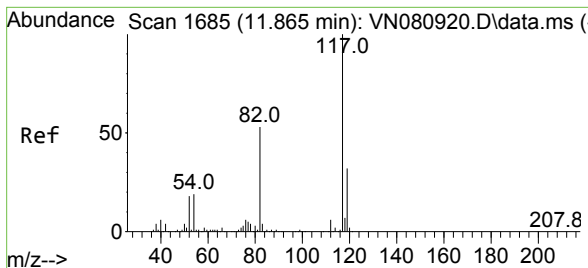
Tgt Ion: 43 Resp: 765
Ion Ratio Lower Upper
43 100
58 33.2 25.9 77.8



#62
4-Bromofluorobenzene
Concen: 49.452 ug/l
RT: 12.847 min Scan# 1852
Delta R.T. -0.000 min
Lab File: VN080958.D
Acq: 08 Feb 2024 12:58

Tgt Ion: 95 Resp: 241243
Ion Ratio Lower Upper
95 100
174 72.6 0.0 120.4
176 71.0 0.0 121.0





#63

Chlorobenzene-d5

Concen: 50.000 ug/l

RT: 11.870 min Scan# 1

Delta R.T. 0.006 min

Lab File: VN080958.D

Acq: 08 Feb 2024 12:58

Instrument :

MSVOA_N

ClientSampleId :

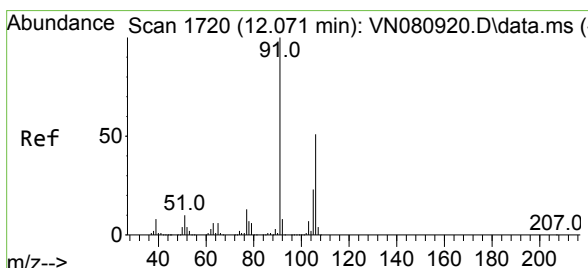
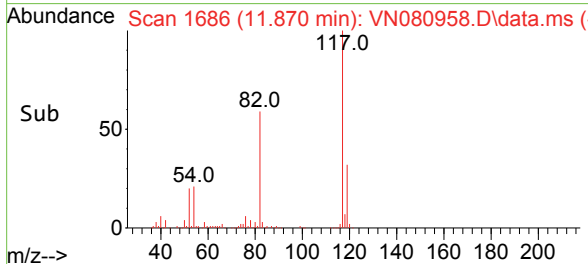
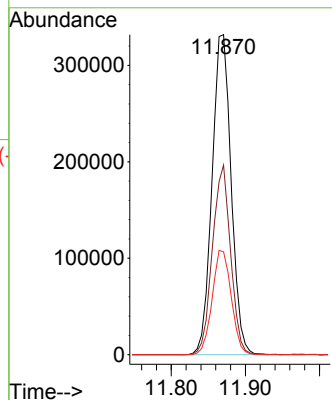
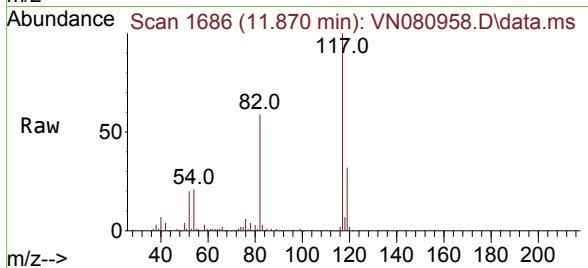
Tgt Ion:117 Resp: 594312

Ion Ratio Lower Upper

117 100

82 59.2 52.7 79.1

119 32.2 25.3 37.9



#68

m/p-Xylenes

Concen: 0.345 ug/l

RT: 12.076 min Scan# 1721

Delta R.T. 0.006 min

Lab File: VN080958.D

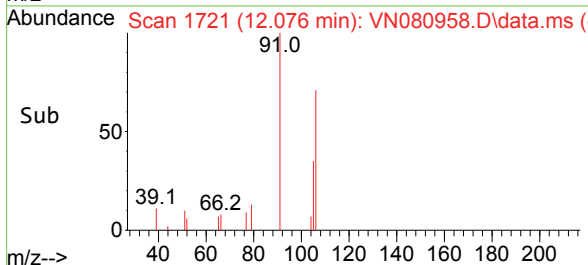
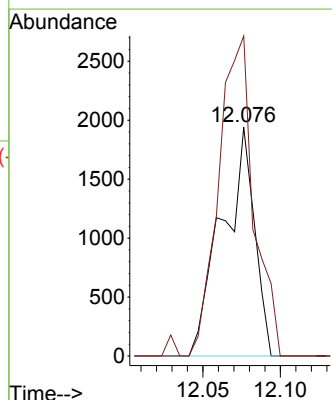
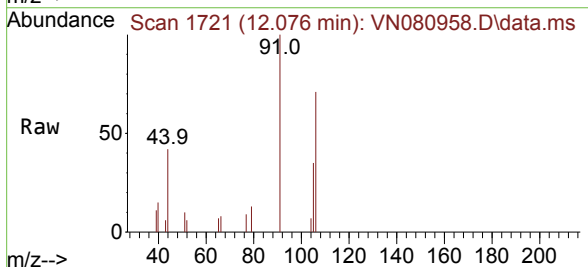
Acq: 08 Feb 2024 12:58

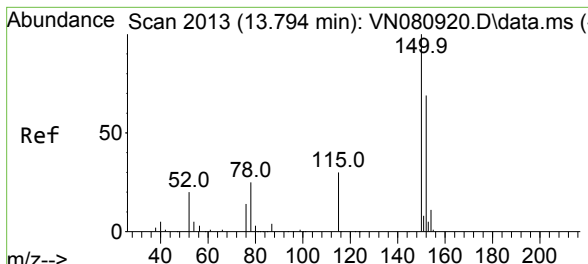
Tgt Ion:106 Resp: 2809

Ion Ratio Lower Upper

106 100

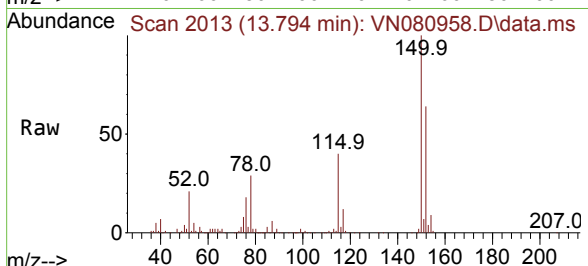
91 152.1 169.0 253.6#



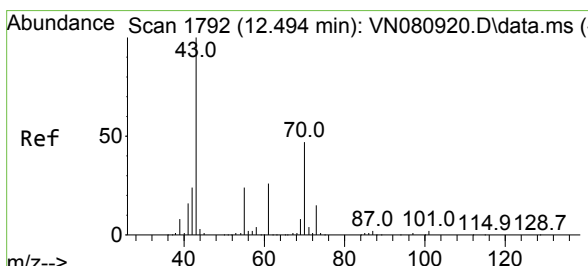
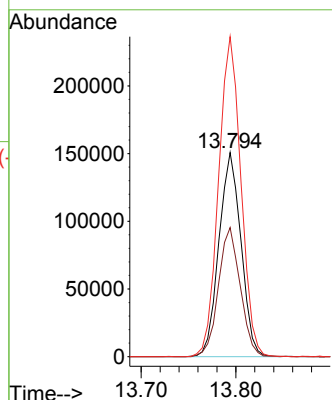
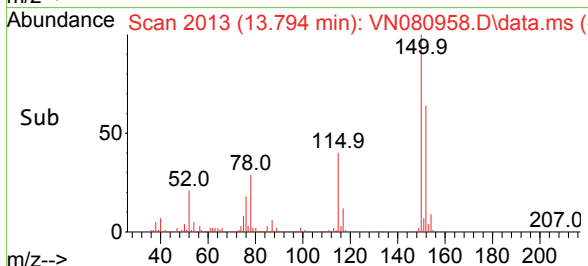


#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 13.794 min Scan# 20
Delta R.T. -0.000 min
Lab File: VN080958.D
Acq: 08 Feb 2024 12:58

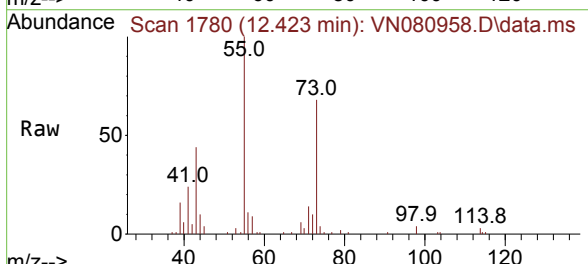
Instrument :
MSVOA_N
ClientSampleId :



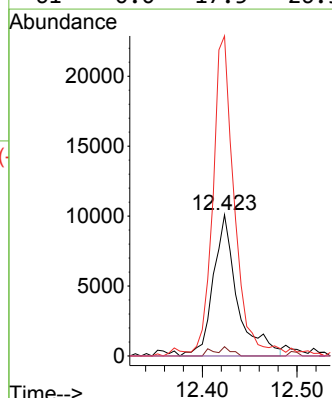
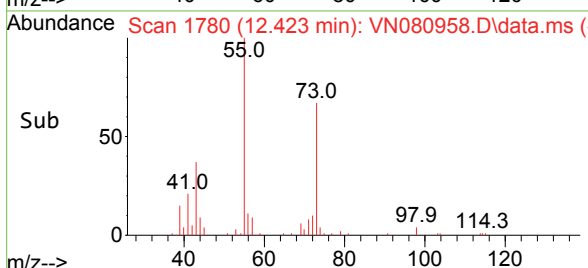
Tgt Ion:152 Resp: 243926
Ion Ratio Lower Upper
152 100
115 62.6 32.3 96.8
150 158.9 0.0 339.8

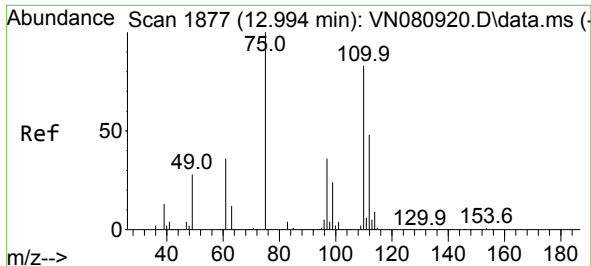


#74
N-ethyl acetate
Concen: 2.612 ug/l
RT: 12.423 min Scan# 1780
Delta R.T. -0.071 min
Lab File: VN080958.D
Acq: 08 Feb 2024 12:58



Tgt Ion: 43 Resp: 17863
Ion Ratio Lower Upper
43 100
70 4.7 30.1 45.1#
55 195.5 17.0 25.4#
61 0.0 17.5 26.3#

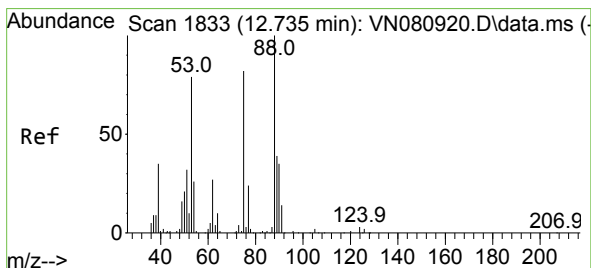
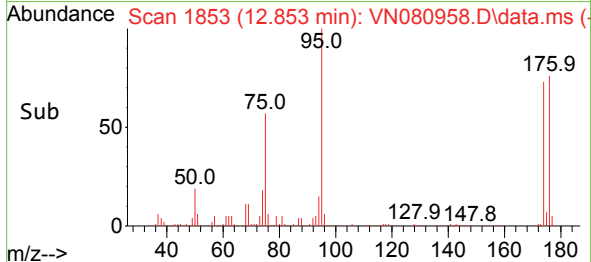
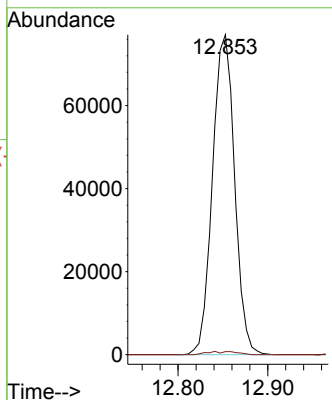
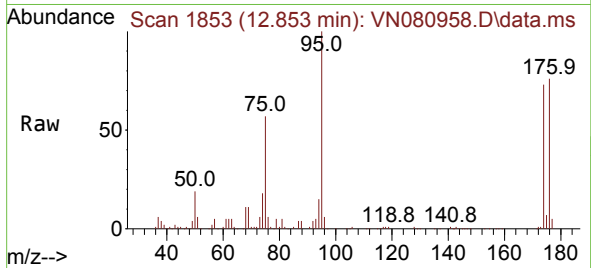




#76
1,2,3-Trichloropropane
Concen: 26.517 ug/l
RT: 12.853 min Scan# 1853
Delta R.T. -0.141 min
Lab File: VN080958.D
Acq: 08 Feb 2024 12:58

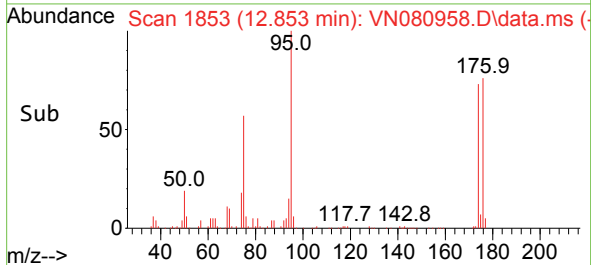
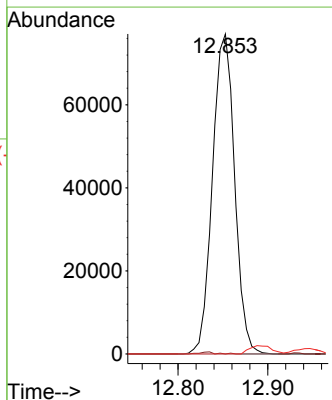
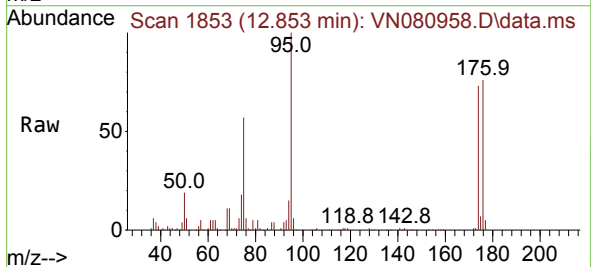
Instrument :
MSVOA_N
ClientSampleId :

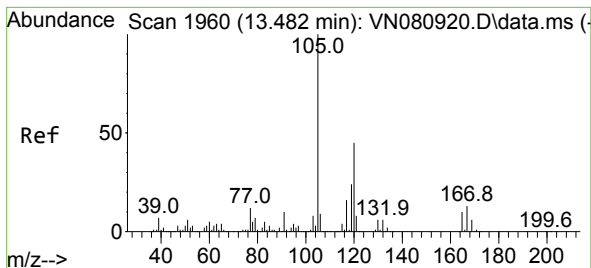
Tgt Ion: 75 Resp: 131885
Ion Ratio Lower Upper
75 100
77 0.6 91.0 272.8#



#81
trans-1,4-Dichloro-2-butene
Concen: 72.045 ug/l
RT: 12.853 min Scan# 1853
Delta R.T. 0.117 min
Lab File: VN080958.D
Acq: 08 Feb 2024 12:58

Tgt Ion: 75 Resp: 131885
Ion Ratio Lower Upper
75 100
53 0.4 71.4 107.2#
89 0.0 33.4 50.0#





#84

1,2,4-Trimethylbenzene

Concen: 0.323 ug/l

RT: 13.488 min Scan# 1960

Delta R.T. 0.006 min

Lab File: VN080958.D

Acq: 08 Feb 2024 12:58

Instrument :

MSVOA_N

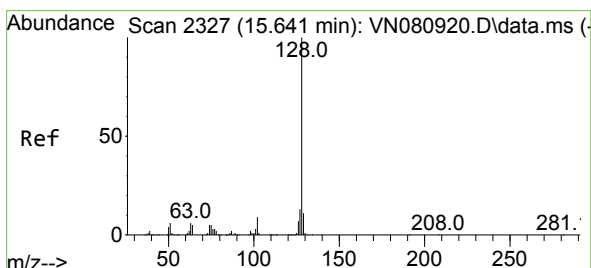
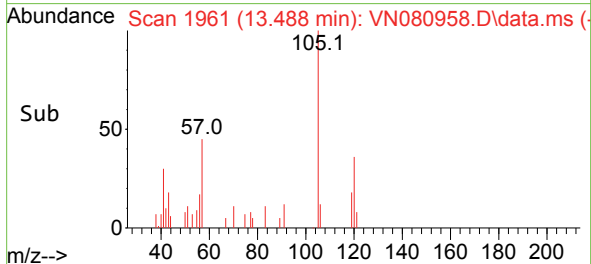
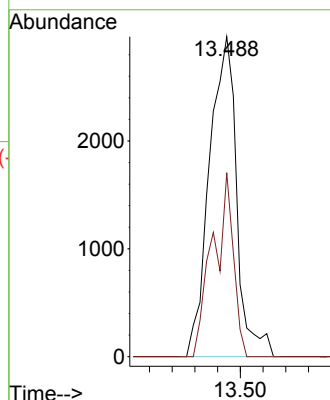
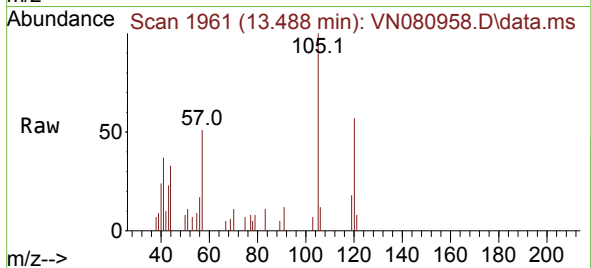
ClientSampleId :

Tgt Ion:105 Resp: 4953

Ion Ratio Lower Upper

105 100

120 43.4 20.9 62.7



#95

Naphthalene

Concen: 0.244 ug/l

RT: 15.647 min Scan# 2328

Delta R.T. 0.006 min

Lab File: VN080958.D

Acq: 08 Feb 2024 12:58

Tgt Ion:128 Resp: 3258

Ion Ratio Lower Upper

128 100

127 17.1 10.0 15.0#

129 4.2 8.7 13.1#

