

Data Path : Z:\voasrv\HPCHEM1\MSVOA_N\Data\VN120823\
 Data File : VN080413.D
 Acq On : 08 Dec 2023 17:57
 Operator : JC\MD
 Sample : 05729-04
 Misc : 5.0mL/MSVOA_N/WATER
 ALS Vial : 14 Sample Multiplier: 1

Instrument :
 MSVOA_N
 ClientSampleId :

Quant Time: Dec 08 22:43:44 2023
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_N\methods\82N111623W.M
 Quant Title : SW846 8260
 QLast Update : Fri Nov 17 01:19:32 2023
 Response via : Initial Calibration

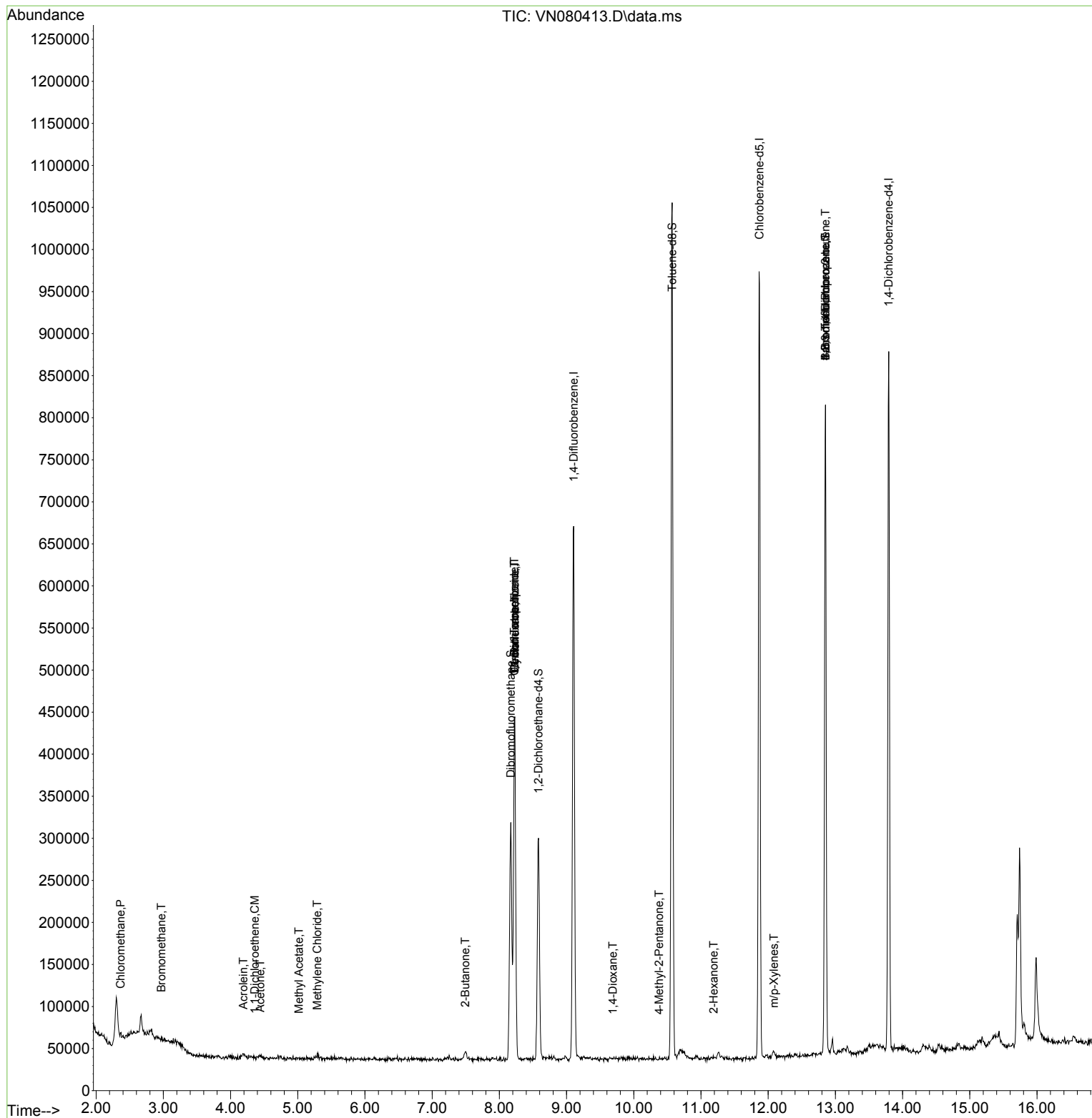
Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
Internal Standards						
1) Pentafluorobenzene	8.230	168	292597	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	9.106	114	556942	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.871	117	549369	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.794	152	227970	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.582	65	228103	47.214	ug/l	0.00
Spiked Amount	50.000	Range	74 - 125	Recovery	=	94.420%
35) Dibromofluoromethane	8.171	113	198088	48.202	ug/l	0.00
Spiked Amount	50.000	Range	75 - 124	Recovery	=	96.400%
50) Toluene-d8	10.571	98	724851	48.930	ug/l	0.00
Spiked Amount	50.000	Range	86 - 113	Recovery	=	97.860%
62) 4-Bromofluorobenzene	12.853	95	280577	50.144	ug/l	0.00
Spiked Amount	50.000	Range	83 - 123	Recovery	=	100.280%
Target Compounds						
					Qvalue	
3) Chloromethane	2.365	50	5342	1.630	ug/l	93
5) Bromomethane	2.971	94	503	0.214	ug/l #	75
6) Chloroethane	3.059	64	2440	Below Cal	#	43
12) 1,1-Dichloroethene	4.359	96	638	0.206	ug/l #	1
13) Acrolein	4.189	56	7660	16.292	ug/l #	68
16) Acetone	4.442	43	5216	3.214	ug/l #	86
18) Methyl Acetate	5.018	43	3029	0.581	ug/l #	59
20) Methylene Chloride	5.289	84	3169	0.933	ug/l #	78
25) 2-Butanone	7.494	43	13100	6.795	ug/l #	85
31) Cyclohexane	8.230	56	6754	1.285	ug/l #	14
36) 1,1-Dichloropropene	8.224	75	23875	4.013	ug/l #	49
38) Carbon Tetrachloride	8.224	117	32286	4.276	ug/l #	14
49) 1,4-Dioxane	9.688	88	2097	30.457	ug/l #	58
51) 4-Methyl-2-Pentanone	10.376	43	834	0.201	ug/l	93
59) 2-Hexanone	11.188	43	1522	0.456	ug/l	59
68) m/p-Xylenes	12.088	106	2502	0.310	ug/l	94
71) Bromoform	12.853	173	1160	0.324	ug/l #	1
76) 1,2,3-Trichloropropane	12.853	75	146640	26.253	ug/l #	1
81) trans-1,4-Dichloro-2-b...	12.853	75	146640	88.698	ug/l #	15

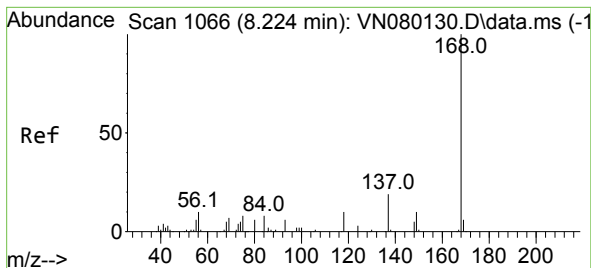
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 8.230 min Scan# 10

Delta R.T. 0.006 min

Lab File: VN080413.D

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Instrument :

MSVOA_N

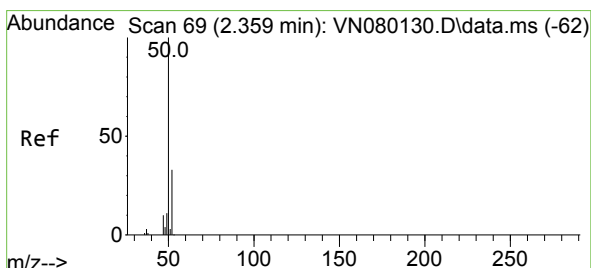
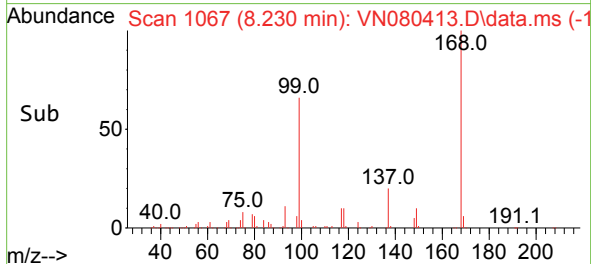
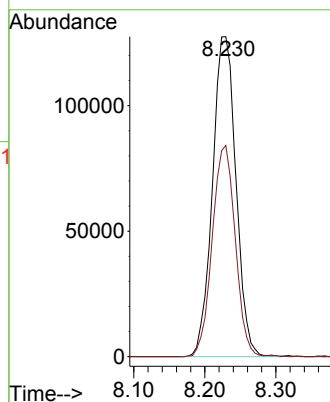
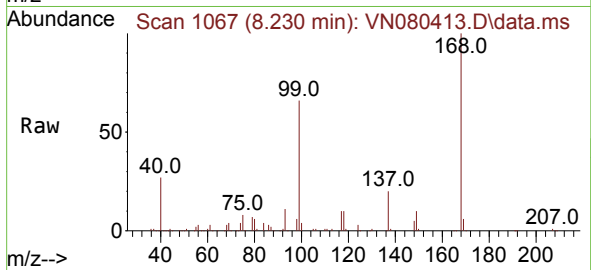
ClientSampleId :

Tgt Ion:168 Resp: 292597

Ion Ratio Lower Upper

168 100

99 66.0 53.0 79.6



#3

Chloromethane

Concen: 1.630 ug/l

RT: 2.365 min Scan# 70

Delta R.T. 0.006 min

Lab File: VN080413.D

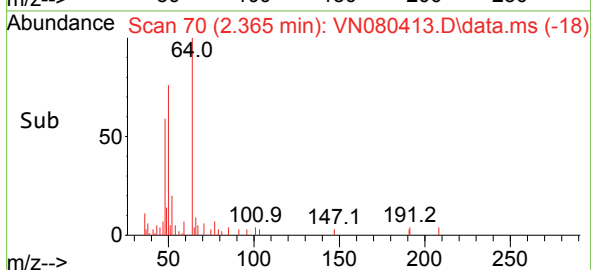
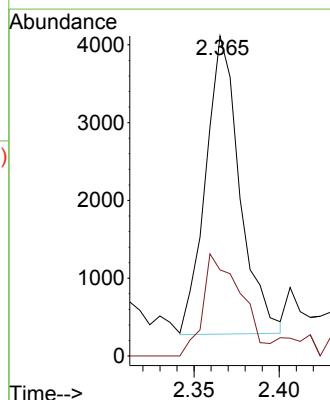
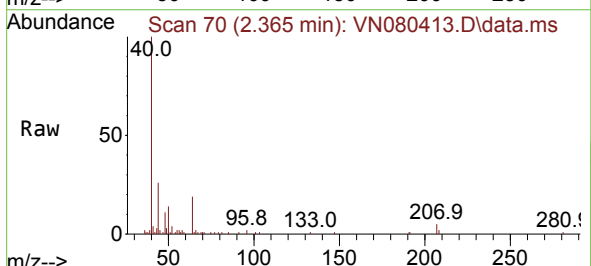
Acq: 08 Dec 2023 17:57

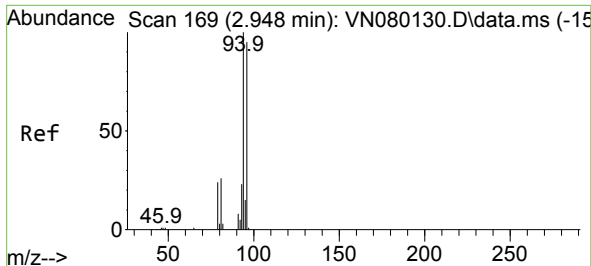
Tgt Ion: 50 Resp: 5342

Ion Ratio Lower Upper

50 100

52 28.9 26.5 39.7

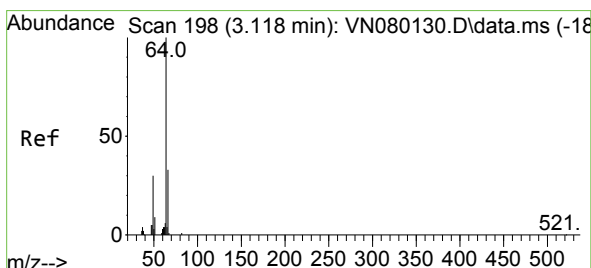
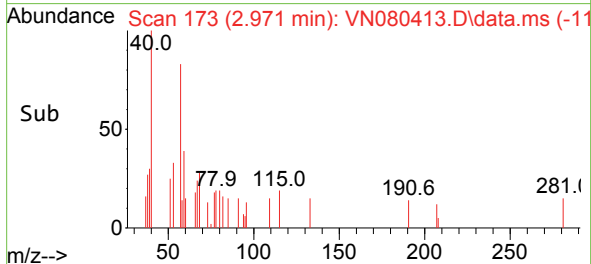
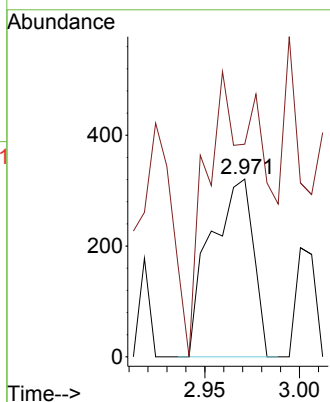
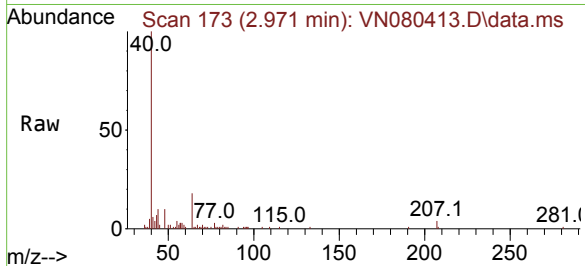




#5
Bromomethane
Concen: 0.214 ug/l
RT: 2.971 min Scan# 11
Delta R.T. 0.023 min
Lab File: VN080413.D
Acq: 08 Dec 2023 17:57

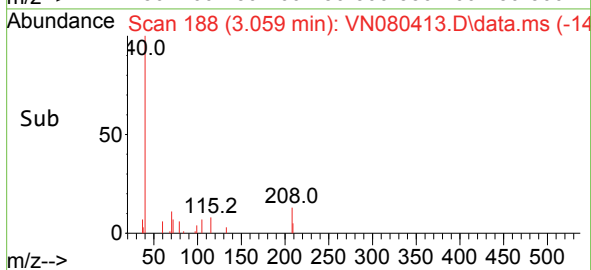
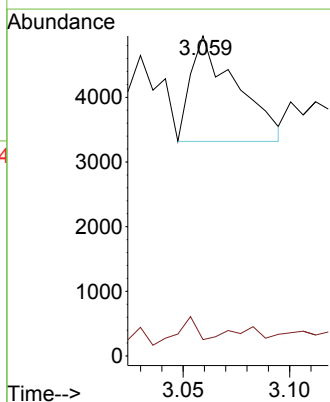
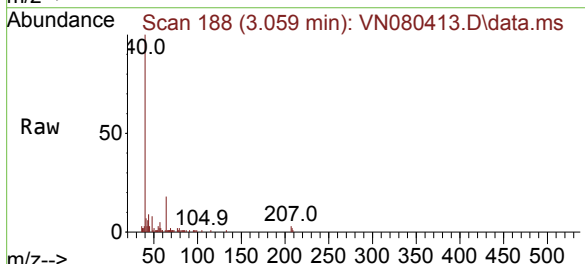
Instrument :
MSVOA_N
ClientSampleId :

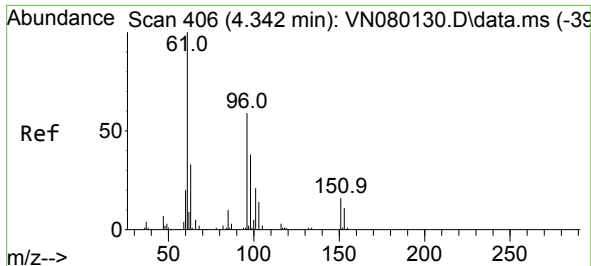
Tgt Ion: 94 Resp: 503
Ion Ratio Lower Upper
94 100
96 67.3 73.1 109.7#



#6
Chloroethane
Concen: Below Cal
RT: 3.059 min Scan# 188
Delta R.T. -0.059 min
Lab File: VN080413.D
Acq: 08 Dec 2023 17:57

Tgt Ion: 64 Resp: 2440
Ion Ratio Lower Upper
64 100
66 0.0 25.4 38.2#





#12

1,1-Dichloroethene

Concen: 0.206 ug/l

RT: 4.359 min Scan# 406

Delta R.T. 0.018 min

Lab File: VN080413.D

Acq: 08 Dec 2023 17:57

Instrument :

MSVOA_N

ClientSampleId :

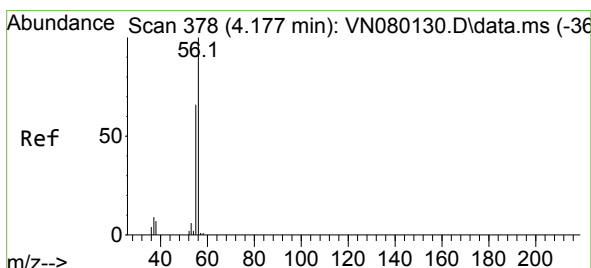
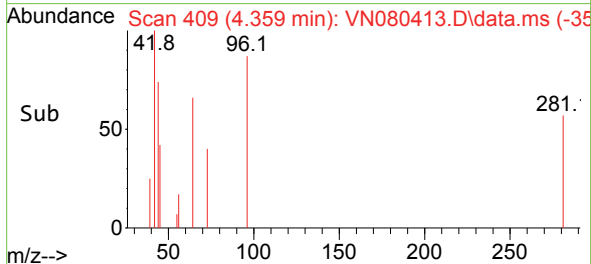
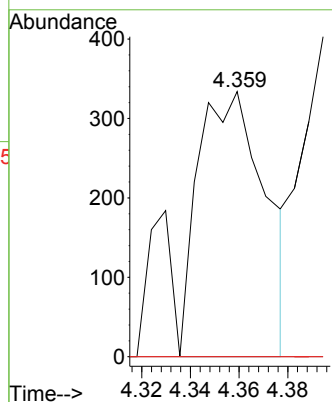
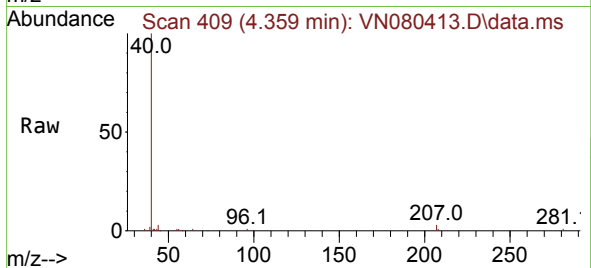
Tgt Ion: 96 Resp: 638

Ion Ratio Lower Upper

96 100

61 0.0 112.7 169.1#

98 0.0 51.2 76.8#



#13

Acrolein

Concen: 16.292 ug/l

RT: 4.189 min Scan# 380

Delta R.T. 0.012 min

Lab File: VN080413.D

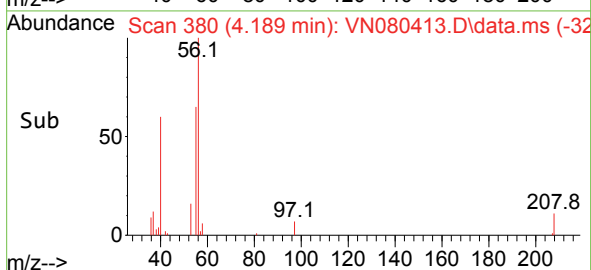
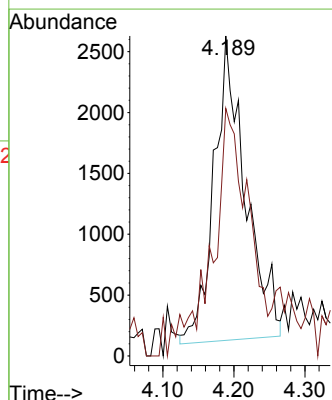
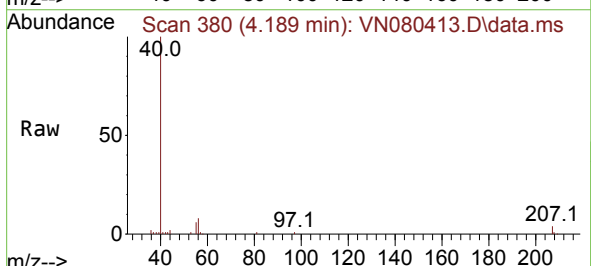
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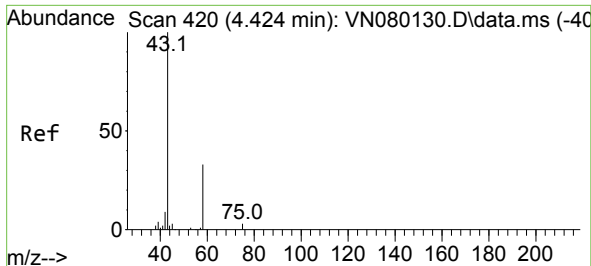
Tgt Ion: 56 Resp: 7660

Ion Ratio Lower Upper

56 100

55 93.6 54.5 81.7#

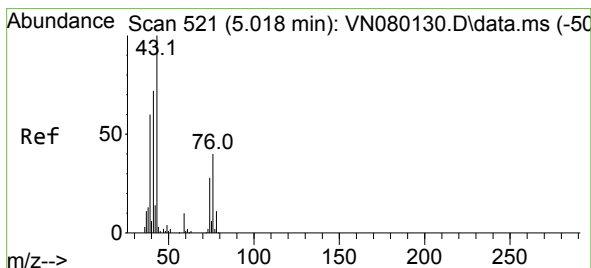
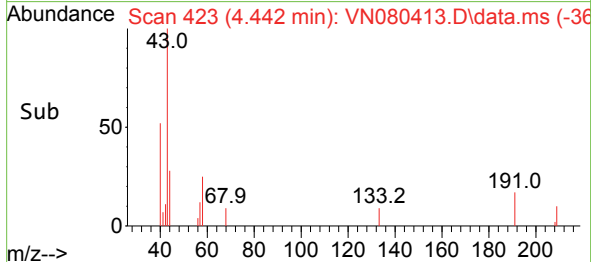
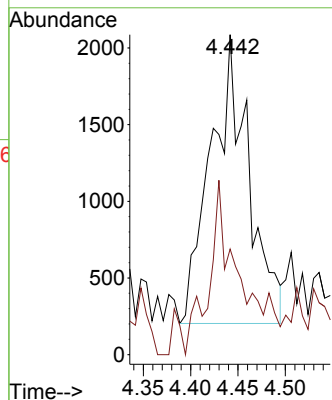
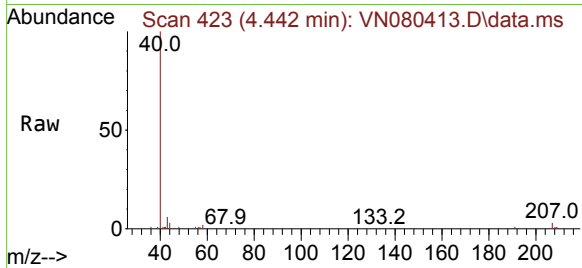




#16
Acetone
Concen: 3.214 ug/l
RT: 4.442 min Scan# 41
Delta R.T. 0.018 min
Lab File: VN080413.D
Acq: 08 Dec 2023 17:57

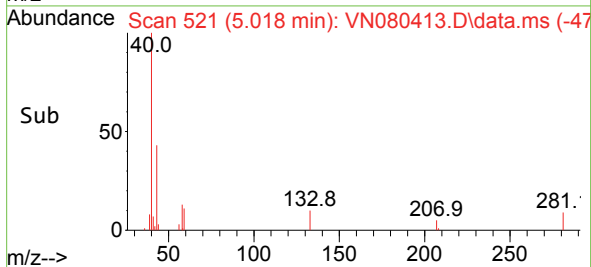
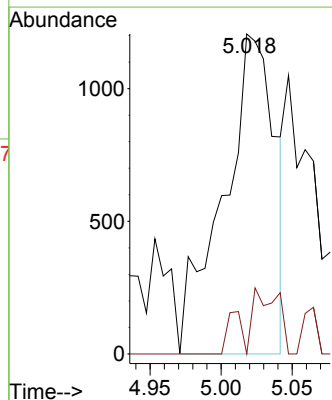
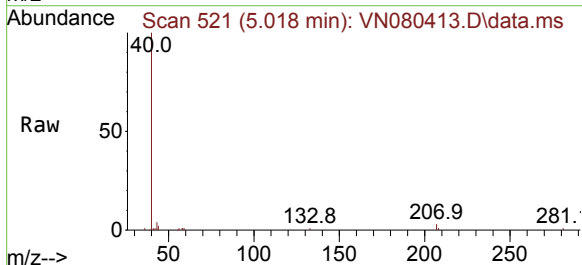
Instrument :
MSVOA_N
ClientSampleId :

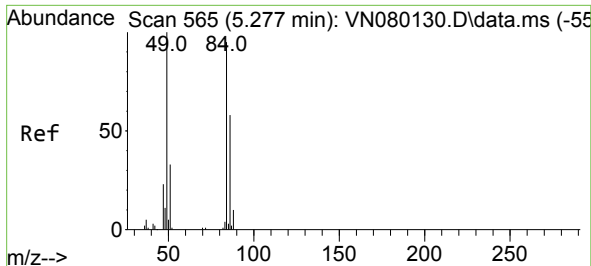
Tgt Ion: 43 Resp: 5216
Ion Ratio Lower Upper
43 100
58 26.9 28.0 42.0#



#18
Methyl Acetate
Concen: 0.581 ug/l
RT: 5.018 min Scan# 521
Delta R.T. -0.000 min
Lab File: VN080413.D
Acq: 08 Dec 2023 17:57

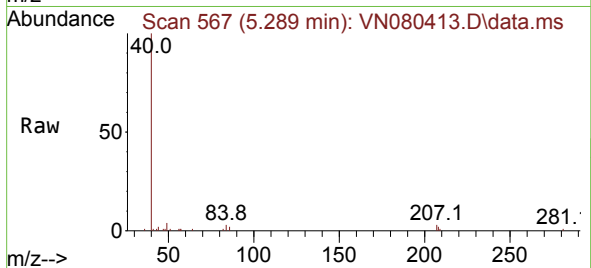
Tgt Ion: 43 Resp: 3029
Ion Ratio Lower Upper
43 100
74 9.9 26.2 39.4#



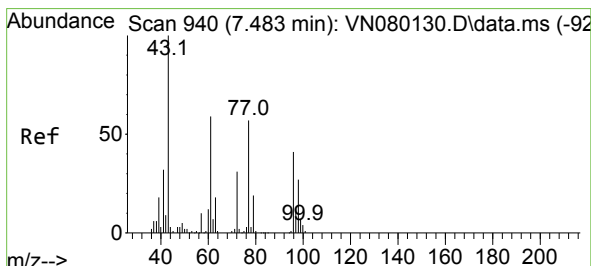
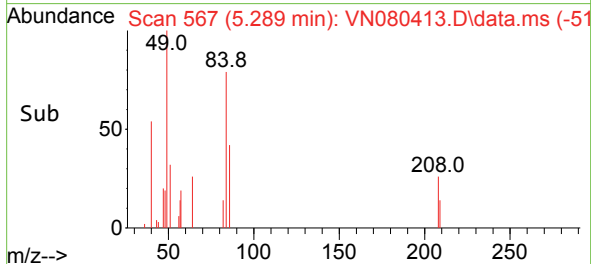
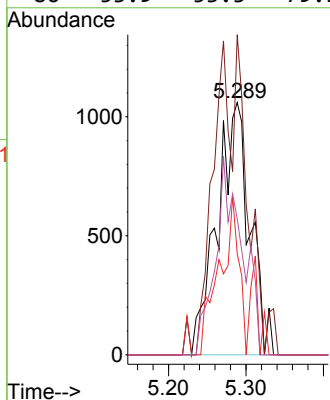


#20
Methylene Chloride
Concen: 0.933 ug/l
RT: 5.289 min Scan# 51
Delta R.T. 0.012 min
Lab File: VN080413.D
Acq: 08 Dec 2023 17:57

Instrument :
MSVOA_N
ClientSampleId :

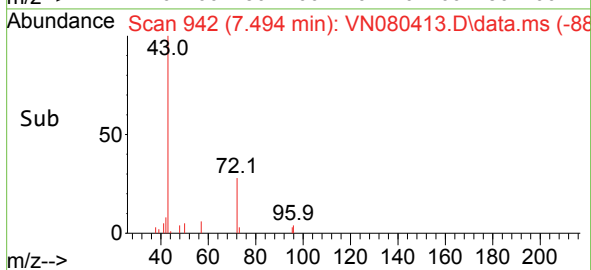
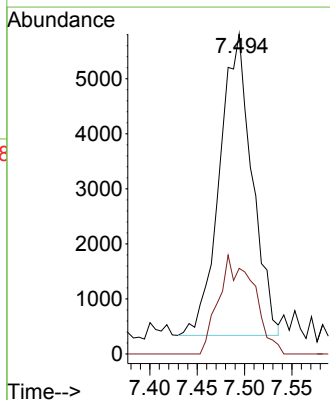
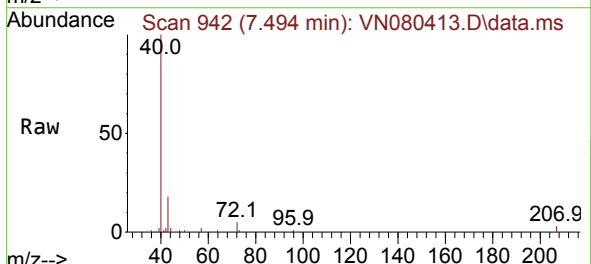


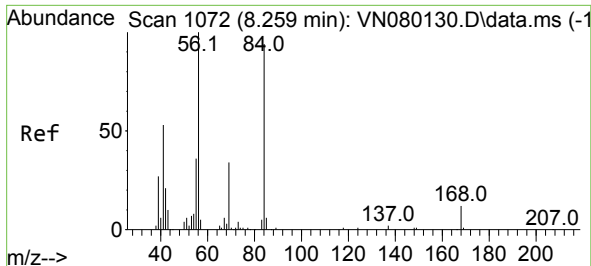
Tgt Ion: 84 Resp: 3169
Ion Ratio Lower Upper
84 100
49 126.9 79.7 119.5#
51 40.1 25.2 37.8#
86 53.9 53.3 79.9



#25
2-Butanone
Concen: 6.795 ug/l
RT: 7.494 min Scan# 942
Delta R.T. 0.012 min
Lab File: VN080413.D
Acq: 08 Dec 2023 17:57

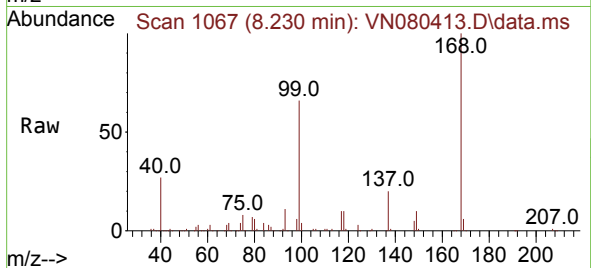
Tgt Ion: 43 Resp: 13100
Ion Ratio Lower Upper
43 100
72 28.4 30.2 45.2#



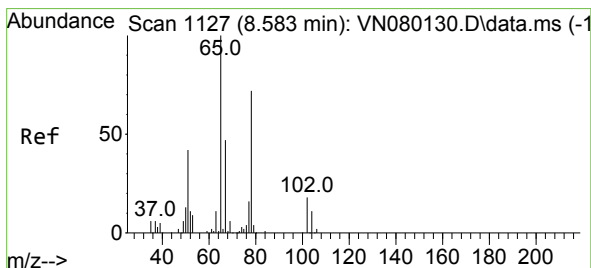
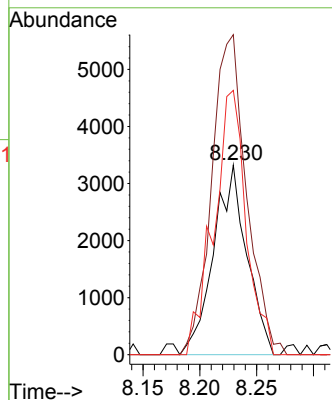
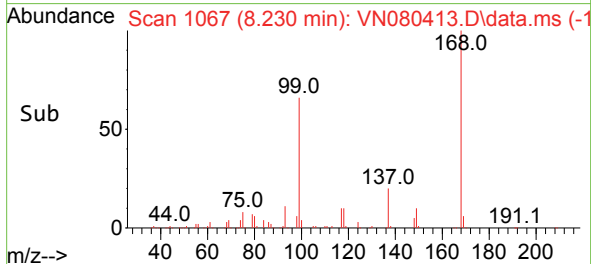


#31
Cyclohexane
Concen: 1.285 ug/l
RT: 8.230 min Scan# 1067
Delta R.T. -0.030 min
Lab File: VN080413.D
Acq: 08 Dec 2023 17:57

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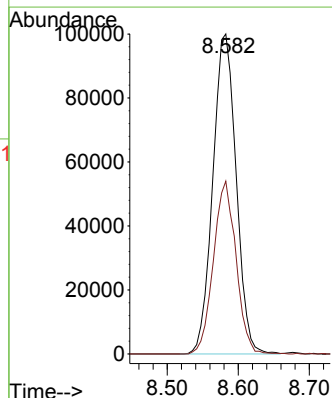
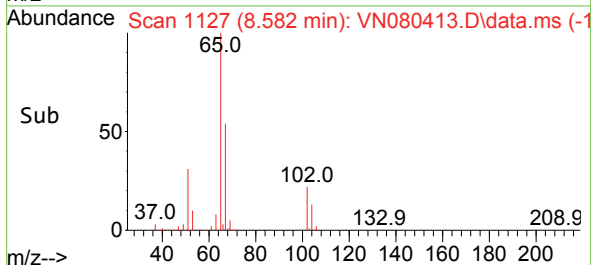
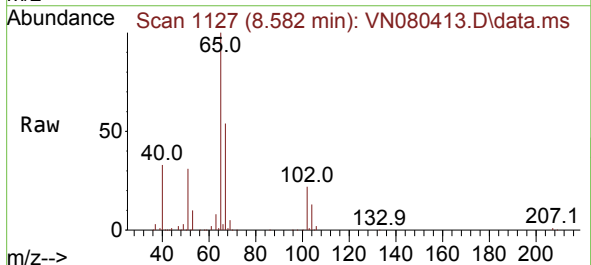


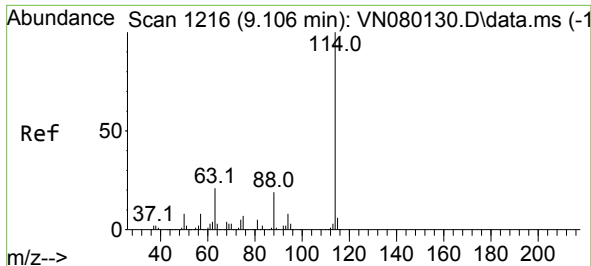
Tgt Ion: 56 Resp: 6754
Ion Ratio Lower Upper
56 100
69 168.7 26.8 40.2#
84 139.4 81.8 122.6#



#33
1,2-Dichloroethane-d4
Concen: 47.214 ug/l
RT: 8.582 min Scan# 1127
Delta R.T. -0.000 min
Lab File: VN080413.D
Acq: 08 Dec 2023 17:57

Tgt Ion: 65 Resp: 228103
Ion Ratio Lower Upper
65 100
67 52.2 0.0 106.6

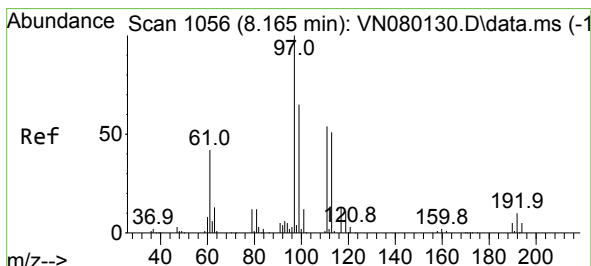
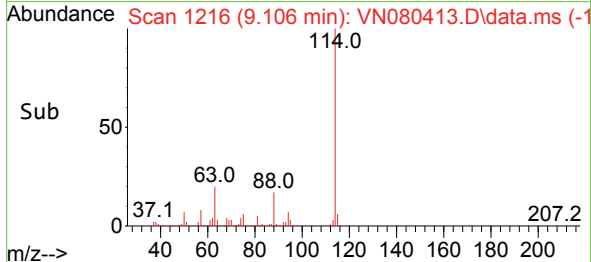
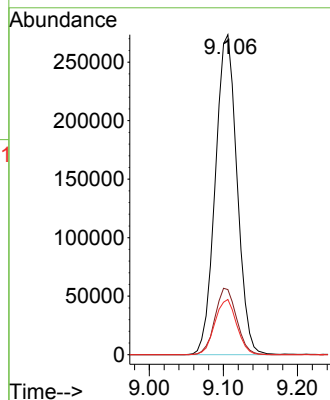
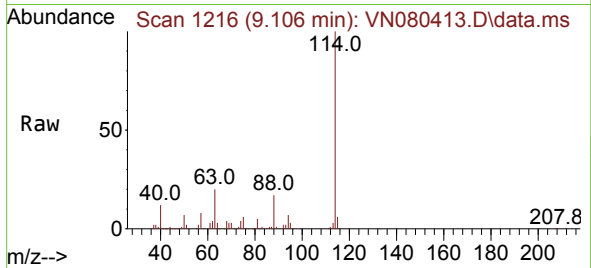




#34
1,4-Difluorobenzene
Concen: 50.000 ug/l
RT: 9.106 min Scan# 11
Delta R.T. -0.000 min
Lab File: VN080413.D
Acq: 08 Dec 2023 17:57

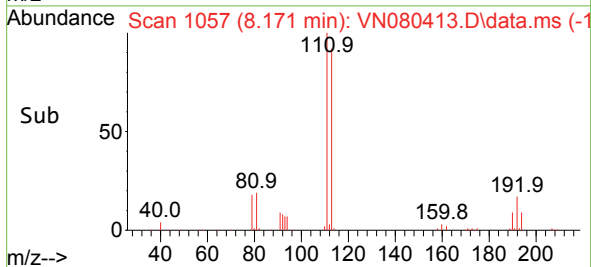
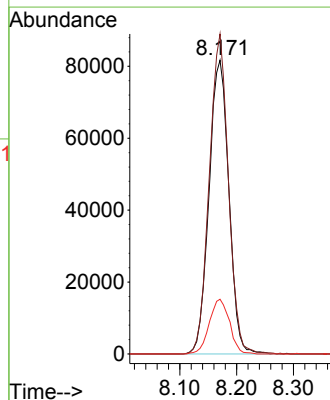
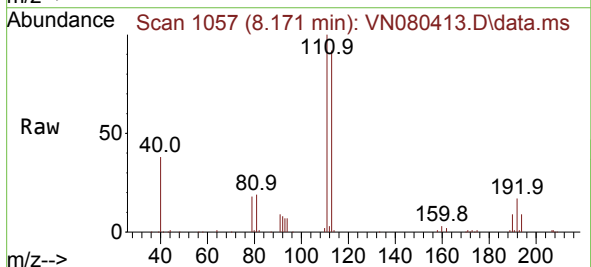
Instrument :
MSVOA_N
ClientSampleId :

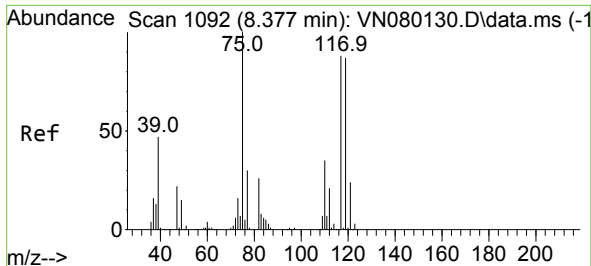
Tgt Ion:114 Resp: 556942
Ion Ratio Lower Upper
114 100
63 20.3 0.0 36.4
88 17.2 0.0 30.6



#35
Dibromofluoromethane
Concen: 48.202 ug/l
RT: 8.171 min Scan# 1057
Delta R.T. 0.006 min
Lab File: VN080413.D
Acq: 08 Dec 2023 17:57

Tgt Ion:113 Resp: 198088
Ion Ratio Lower Upper
113 100
111 105.0 82.6 123.8
192 19.0 12.7 19.1





#36

1,1-Dichloropropene

Concen: 4.013 ug/l

RT: 8.224 min Scan# 1066

Delta R.T. -0.153 min

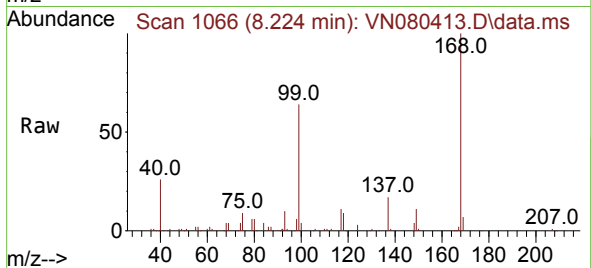
Lab File: VN080413.D

Acq: 08 Dec 2023 17:57

Instrument :

MSVOA_N

ClientSampleId :



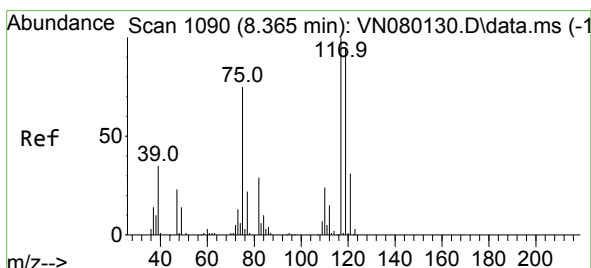
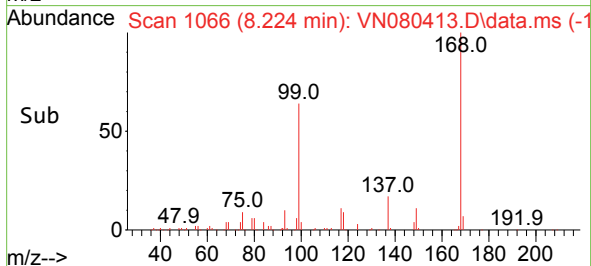
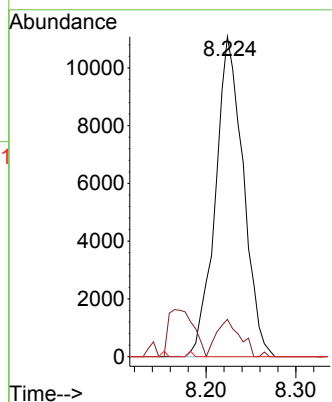
Tgt Ion: 75 Resp: 23875

Ion Ratio Lower Upper

75 100

110 9.8 19.1 57.3#

77 0.0 25.0 37.4#



#38

Carbon Tetrachloride

Concen: 4.276 ug/l

RT: 8.224 min Scan# 1066

Delta R.T. -0.141 min

Lab File: VN080413.D

Acq: 08 Dec 2023 17:57

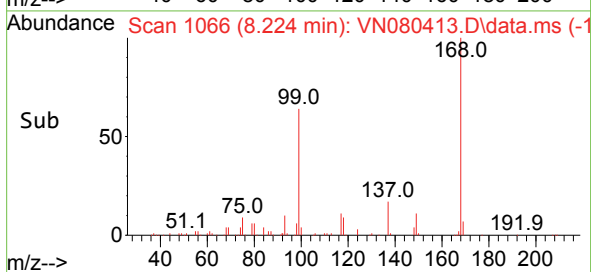
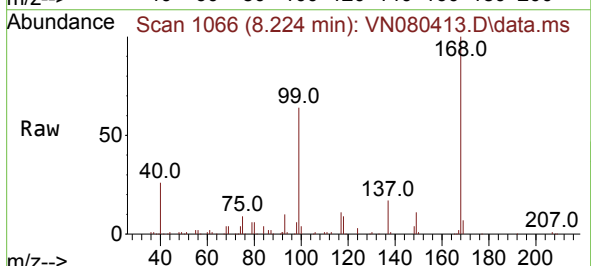
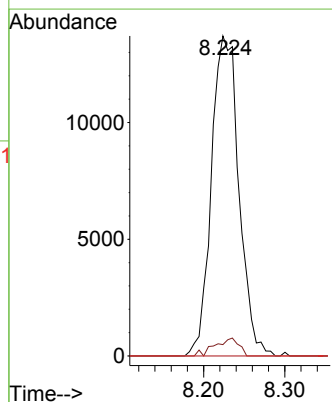
Tgt Ion: 117 Resp: 32286

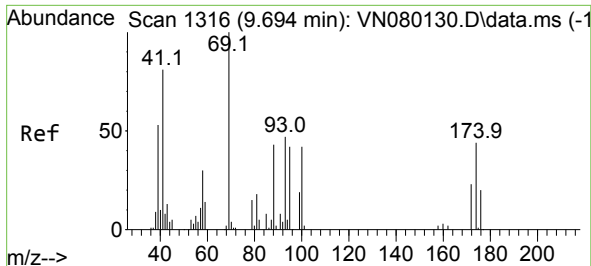
Ion Ratio Lower Upper

117 100

119 3.6 77.3 115.9#

121 0.0 23.3 34.9#





#49

1,4-Dioxane

Concen: 30.457 ug/l

RT: 9.688 min Scan# 11

Delta R.T. -0.006 min

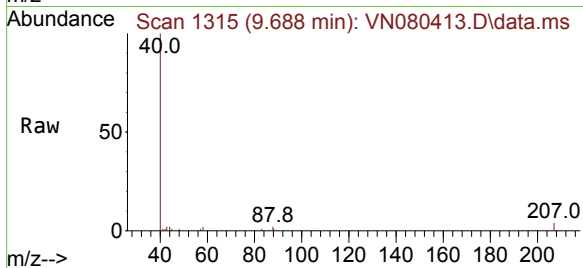
Lab File: VN080413.D

Acq: 08 Dec 2023 17:57

Instrument :

MSVOA_N

ClientSampleId :



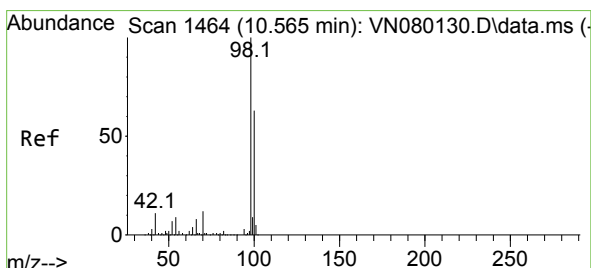
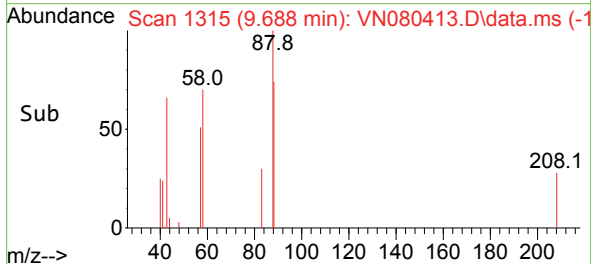
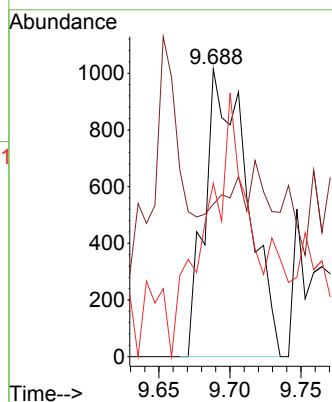
Tgt Ion: 88 Resp: 2097

Ion Ratio Lower Upper

88 100

43 0.0 17.0 25.6#

58 88.8 47.0 70.4#



#50

Toluene-d8

Concen: 48.930 ug/l

RT: 10.571 min Scan# 1465

Delta R.T. 0.006 min

Lab File: VN080413.D

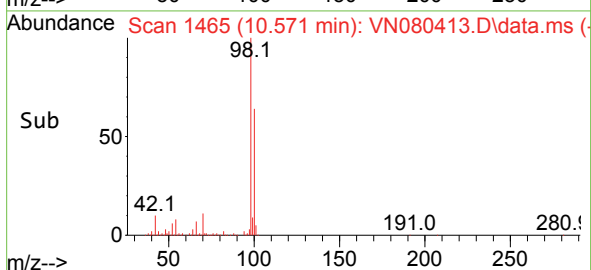
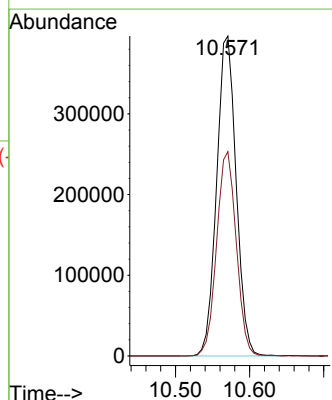
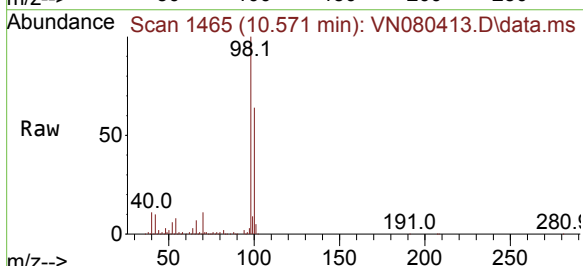
Acq: 08 Dec 2023 17:57

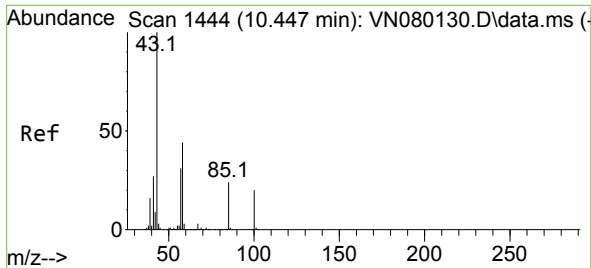
Tgt Ion: 98 Resp: 724851

Ion Ratio Lower Upper

98 100

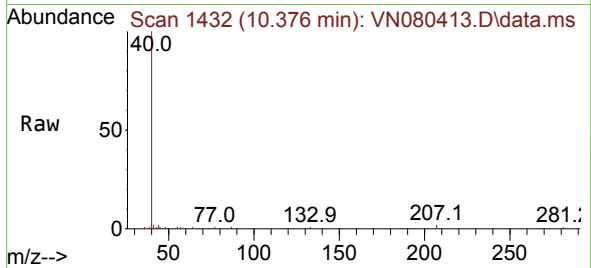
100 64.3 52.0 78.0



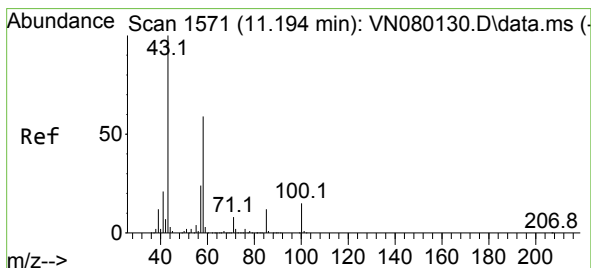
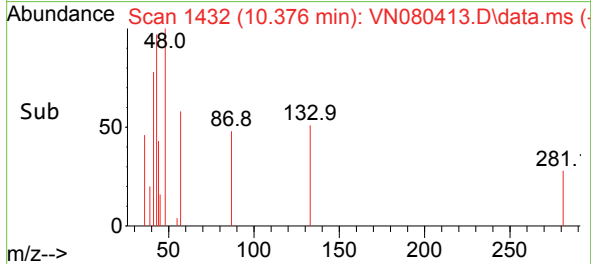
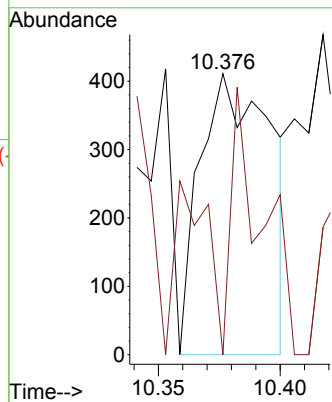


#51
4-Methyl-2-Pentanone
Concen: 0.201 ug/l
RT: 10.376 min Scan# 1444
Delta R.T. -0.071 min
Lab File: VN080413.D
Acq: 08 Dec 2023 17:57

Instrument :
MSVOA_N
ClientSampleId :

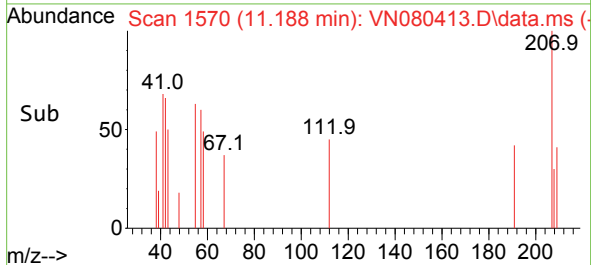
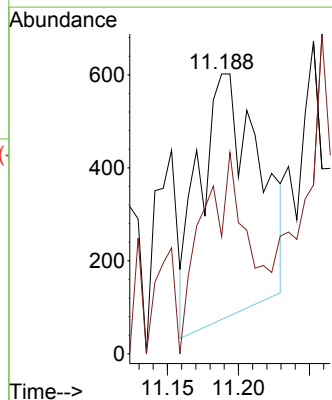
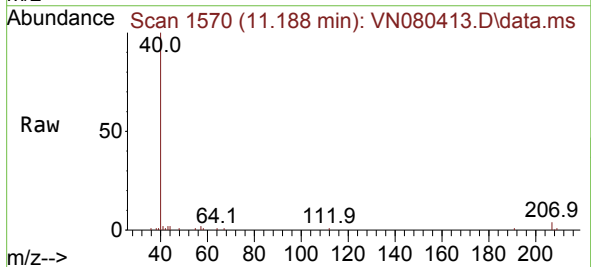


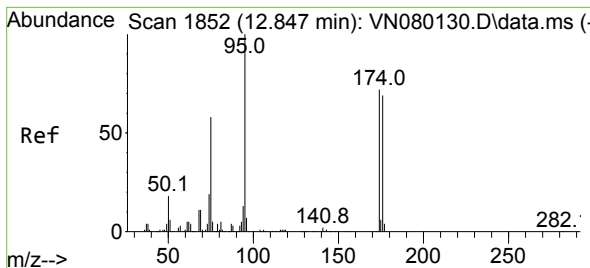
Tgt Ion: 43 Resp: 834
Ion Ratio Lower Upper
43 100
58 41.4 36.6 54.8



#59
2-Hexanone
Concen: 0.456 ug/l
RT: 11.188 min Scan# 1570
Delta R.T. -0.006 min
Lab File: VN080413.D
Acq: 08 Dec 2023 17:57

Tgt Ion: 43 Resp: 1522
Ion Ratio Lower Upper
43 100
58 31.7 31.7 95.1

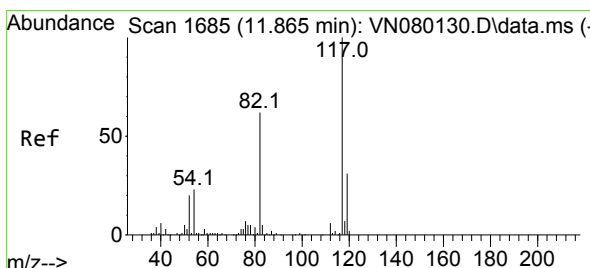
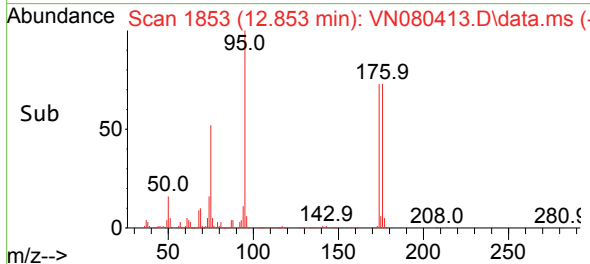
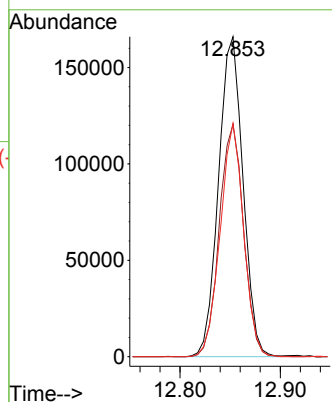
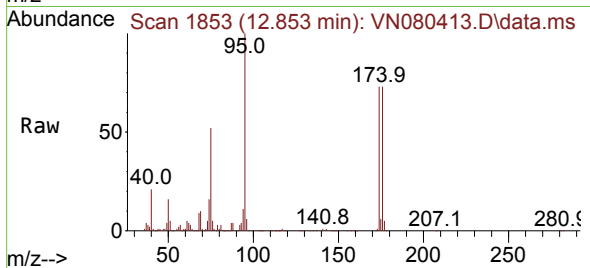




#62
4-Bromofluorobenzene
Concen: 50.144 ug/l
RT: 12.853 min Scan# 1853
Delta R.T. 0.006 min
Lab File: VN080413.D
Acq: 08 Dec 2023 17:57

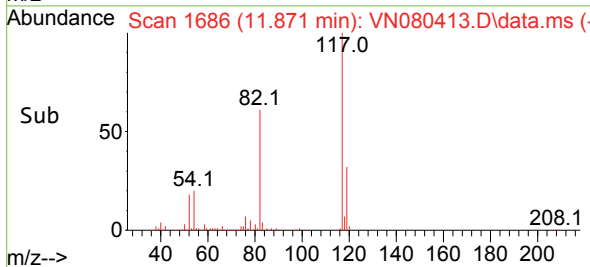
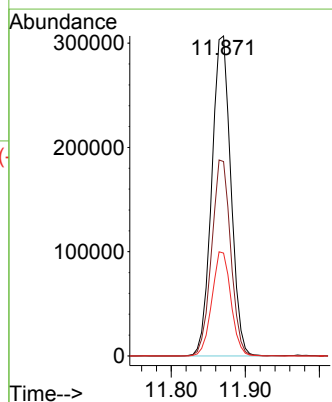
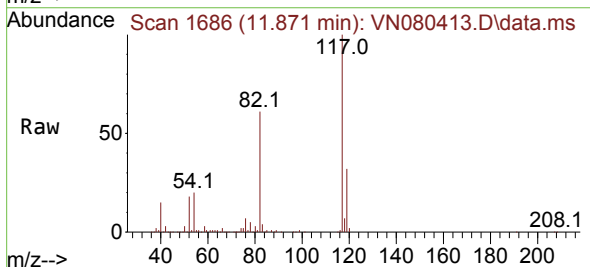
Instrument :
MSVOA_N
ClientSampleId :

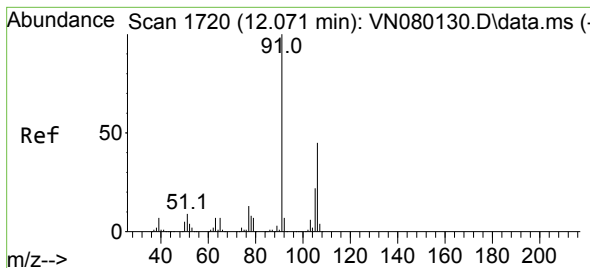
Tgt Ion: 95 Resp: 280577
Ion Ratio Lower Upper
95 100
174 72.0 0.0 143.8
176 69.7 0.0 135.8



#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.871 min Scan# 1686
Delta R.T. 0.006 min
Lab File: VN080413.D
Acq: 08 Dec 2023 17:57

Tgt Ion: 117 Resp: 549369
Ion Ratio Lower Upper
117 100
82 60.8 44.0 66.0
119 32.2 25.6 38.4





#68

m/p-Xylenes

Concen: 0.310 ug/l

RT: 12.088 min Scan# 11

Delta R.T. 0.018 min

Lab File: VN080413.D

Acq: 08 Dec 2023 17:57

Instrument :

MSVOA_N

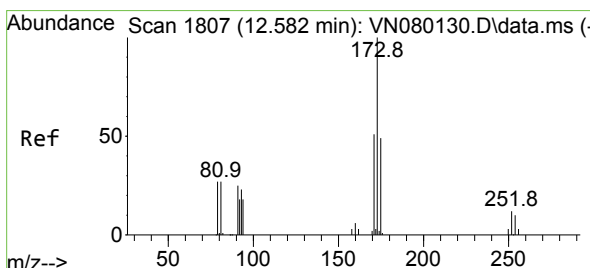
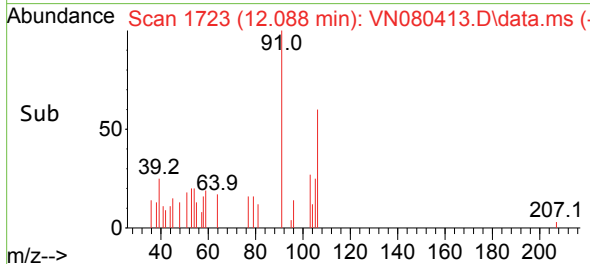
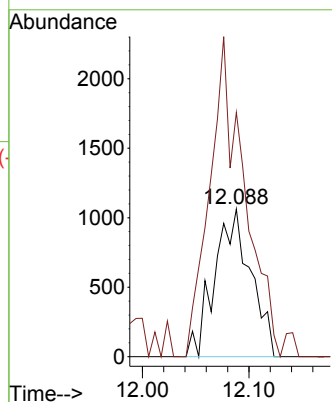
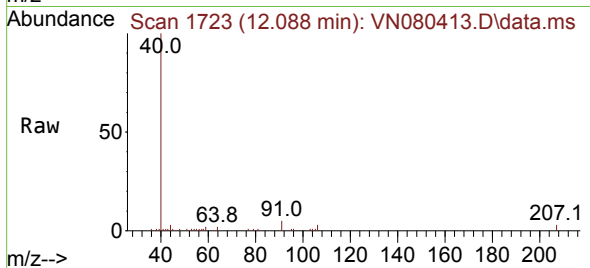
ClientSampleId :

Tgt Ion:106 Resp: 2502

Ion Ratio Lower Upper

106 100

91 208.0 159.6 239.4



#71

Bromoform

Concen: 0.324 ug/l

RT: 12.853 min Scan# 1853

Delta R.T. 0.270 min

Lab File: VN080413.D

Acq: 08 Dec 2023 17:57

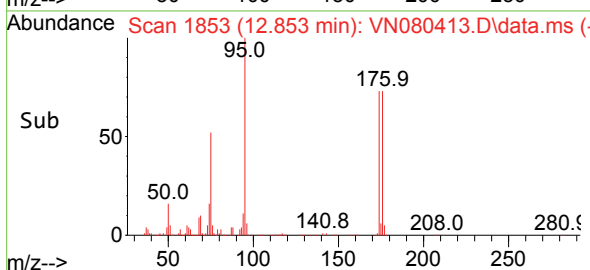
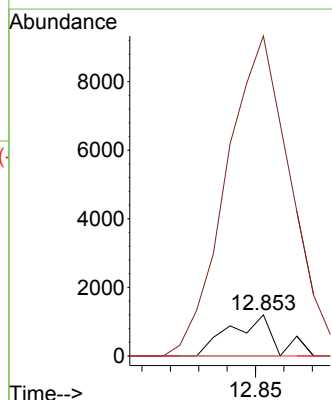
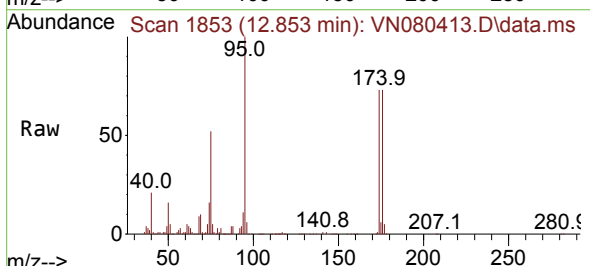
Tgt Ion:173 Resp: 1160

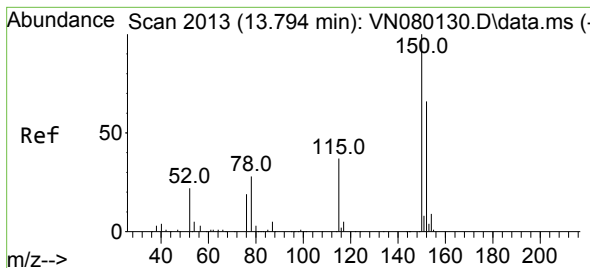
Ion Ratio Lower Upper

173 100

175 1060.7 24.3 73.0#

254 0.0 0.0 0.0





#72

1,4-Dichlorobenzene-d4

Concen: 50.000 ug/l

RT: 13.794 min Scan# 20

Delta R.T. -0.000 min

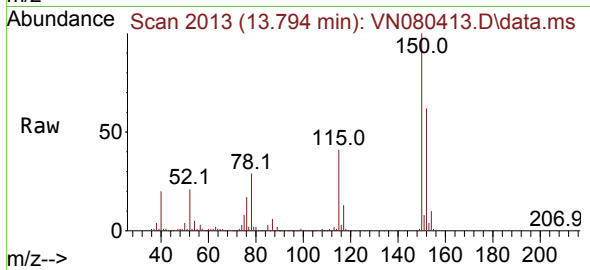
Lab File: VN080413.D

Acq: 08 Dec 2023 17:57

Instrument :

MSVOA_N

ClientSampleId :



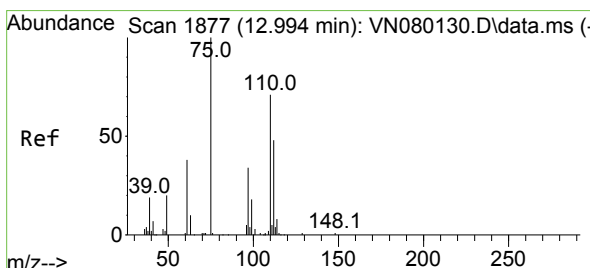
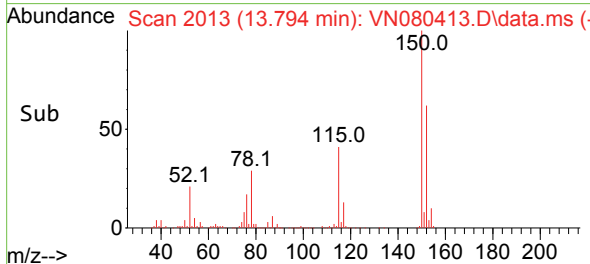
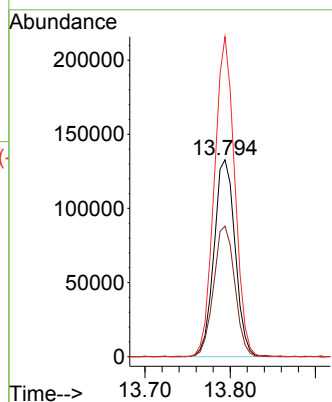
Tgt Ion:152 Resp: 227970

Ion Ratio Lower Upper

152 100

115 66.7 32.3 96.8

150 157.1 0.0 355.8



#76

1,2,3-Trichloropropane

Concen: 26.253 ug/l

RT: 12.853 min Scan# 1853

Delta R.T. -0.141 min

Lab File: VN080413.D

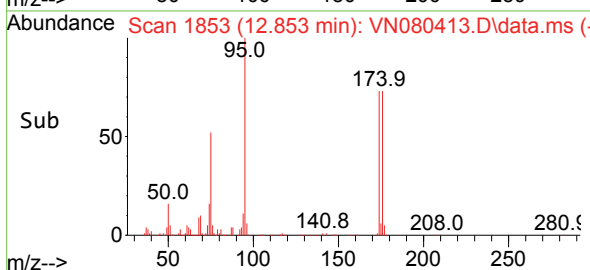
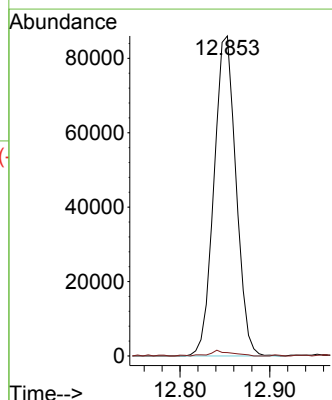
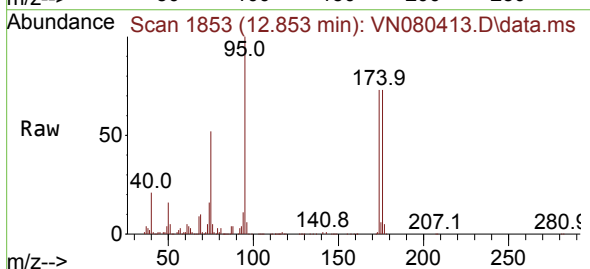
Acq: 08 Dec 2023 17:57

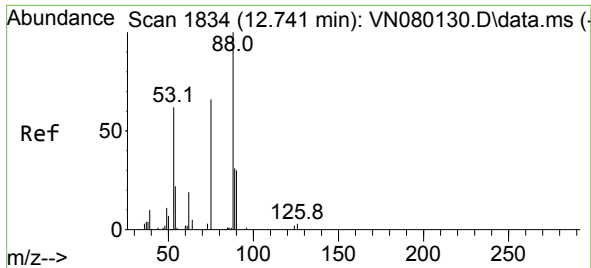
Tgt Ion: 75 Resp: 146640

Ion Ratio Lower Upper

75 100

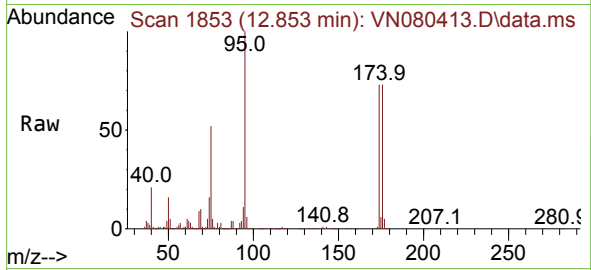
77 1.7 84.5 253.5#





#81
 trans-1,4-Dichloro-2-butene
 Concen: 88.698 ug/l
 RT: 12.853 min Scan# 11
 Delta R.T. 0.112 min
 Lab File: VN080413.D
 Acq: 08 Dec 2023 17:57

Instrument :
 MSVOA_N
 ClientSampleId :



Tgt Ion: 75 Resp: 146640
 Ion Ratio Lower Upper
 75 100
 53 0.1 67.4 101.2#
 89 0.0 38.8 58.2#

