

Data Path : Z:\voasrv\HPCHEM1\MSVOA_N\Data\VN120823\
 Data File : VN080414.D
 Acq On : 08 Dec 2023 18:21
 Operator : JC\MD
 Sample : 05650-02
 Misc : 5.0mL/MSVOA_N/WATER
 ALS Vial : 15 Sample Multiplier: 1

Instrument :
 MSVOA_N
 ClientSampleId :

Quant Time: Dec 08 22:44:12 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)

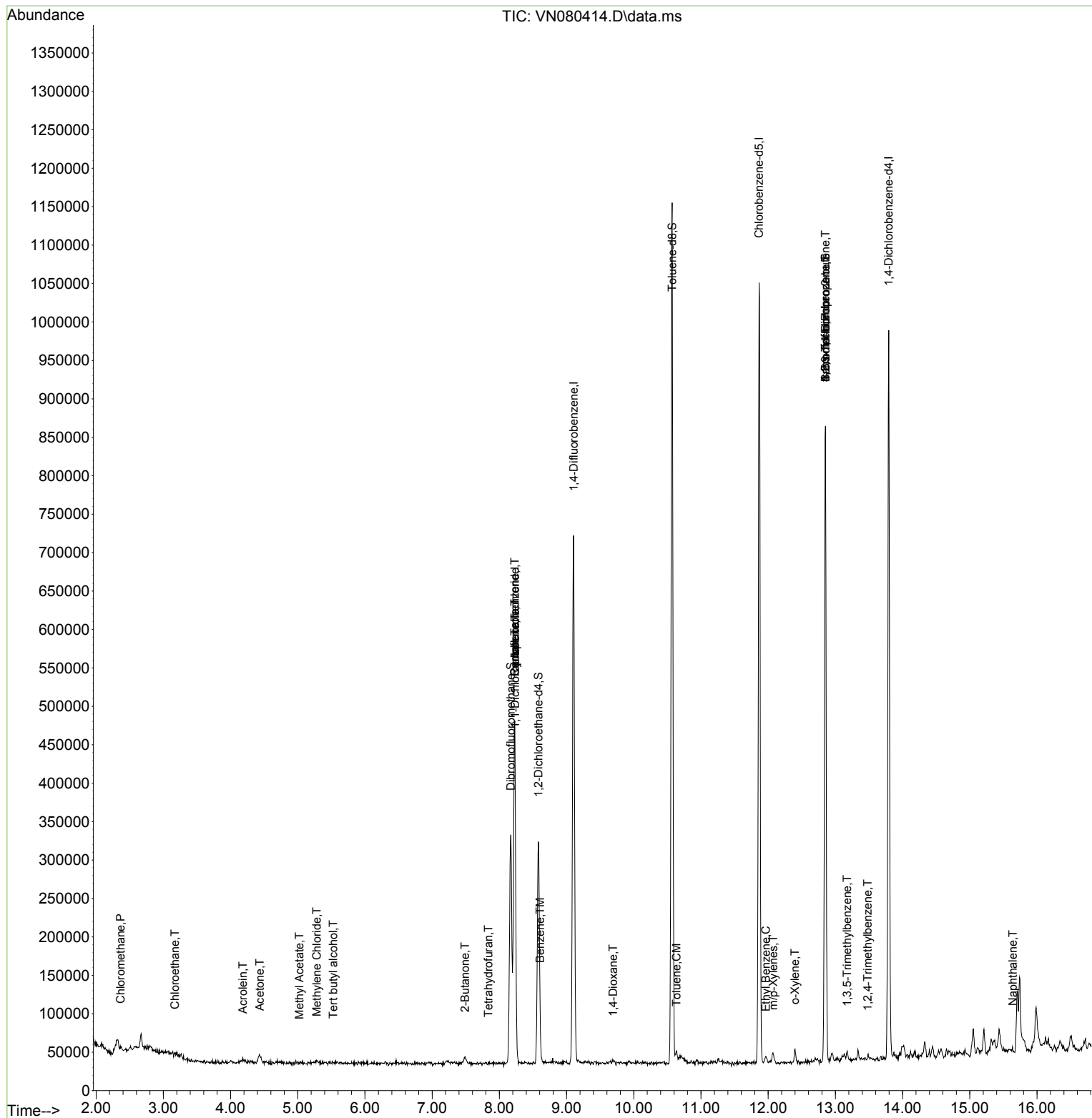
Internal Standards						
1) Pentafluorobenzene	8.230	168	319377	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	9.106	114	601590	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.865	117	607497	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.794	152	252230	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.582	65	247460	46.926	ug/l	0.00
Spiked Amount 50.000	Range 74 - 125		Recovery =	93.860%		
35) Dibromofluoromethane	8.171	113	217822	49.071	ug/l	0.00
Spiked Amount 50.000	Range 75 - 124		Recovery =	98.140%		
50) Toluene-d8	10.571	98	785161	49.068	ug/l	0.00
Spiked Amount 50.000	Range 86 - 113		Recovery =	98.140%		
62) 4-Bromofluorobenzene	12.853	95	305593	50.561	ug/l	0.00
Spiked Amount 50.000	Range 83 - 123		Recovery =	101.120%		
Target Compounds					Qvalue	
3) Chloromethane	2.365	50	6125	1.712	ug/l	98
6) Chloroethane	3.171	64	9143	2.708	ug/l #	73
11) Tert butyl alcohol	5.530	59	491	0.847	ug/l #	1
13) Acrolein	4.183	56	7634	14.875	ug/l #	82
16) Acetone	4.436	43	19474	10.995	ug/l	98
18) Methyl Acetate	5.024	43	1992	0.350	ug/l #	50
20) Methylene Chloride	5.283	84	2075	0.559	ug/l #	68
25) 2-Butanone	7.488	43	12871	6.116	ug/l #	87
29) Tetrahydrofuran	7.835	42	532	0.471	ug/l #	20
31) Cyclohexane	8.230	56	7110	1.240	ug/l #	18
36) 1,1-Dichloropropene	8.235	75	26386	4.106	ug/l #	48
38) Carbon Tetrachloride	8.230	117	36256	4.446	ug/l #	16
40) Benzene	8.606	78	5989	0.328	ug/l	94
49) 1,4-Dioxane	9.694	88	1369	18.408	ug/l #	3
52) Toluene	10.635	92	5308	0.464	ug/l	87
67) Ethyl Benzene	11.965	91	5522	0.225	ug/l	92
68) m/p-Xylenes	12.076	106	3982	0.446	ug/l	82
69) o-Xylene	12.400	106	4635	0.551	ug/l	95
71) Bromoform	12.853	173	1220	0.308	ug/l #	1
76) 1,2,3-Trichloropropane	12.853	75	161114	26.070	ug/l #	1
80) 1,3,5-Trimethylbenzene	13.176	105	4310	0.253	ug/l	99
81) trans-1,4-Dichloro-2-b...	12.853	75	161114	88.080	ug/l #	15
84) 1,2,4-Trimethylbenzene	13.482	105	3789	0.226	ug/l	80
95) Naphthalene	15.641	128	3018	0.210	ug/l #	94

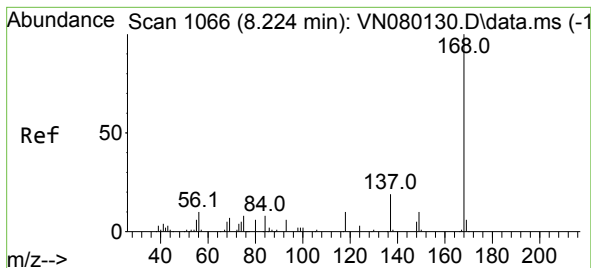
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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Quant Title : SW846 8260
QLast Update : Fri Nov 17 01:19:32 2023
Response via : Initial Calibration





#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 8.230 min Scan# 1

Delta R.T. 0.006 min

Lab File: VN080414.D

Acq: 08 Dec 2023 18:21

Instrument :

MSVOA_N

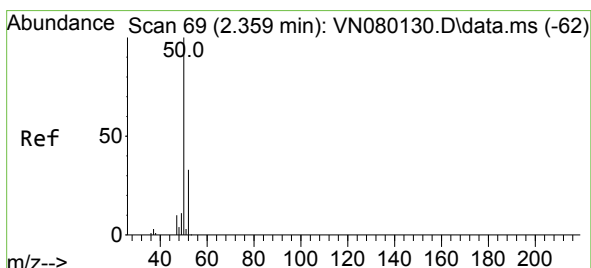
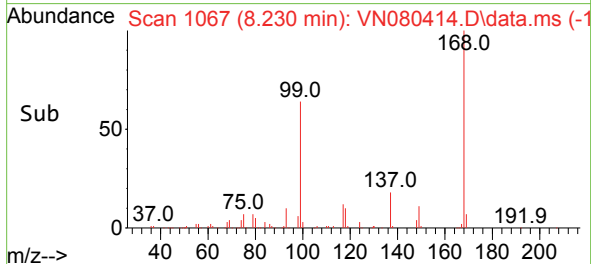
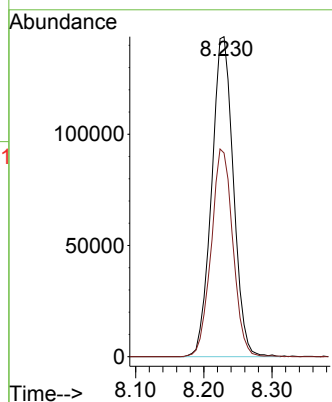
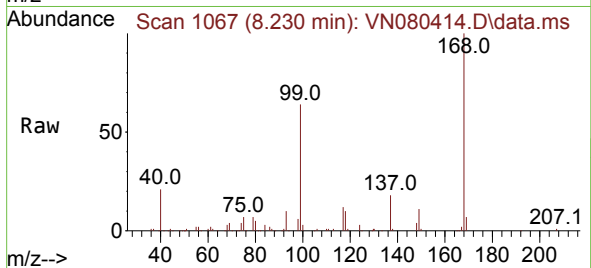
ClientSampleId :

Tgt Ion:168 Resp: 319377

Ion Ratio Lower Upper

168 100

99 63.7 53.0 79.6



#3

Chloromethane

Concen: 1.712 ug/l

RT: 2.365 min Scan# 70

Delta R.T. 0.006 min

Lab File: VN080414.D

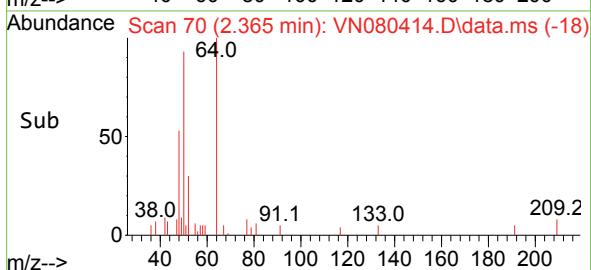
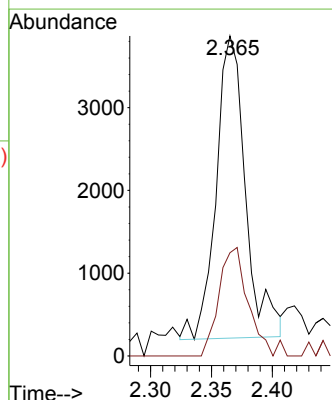
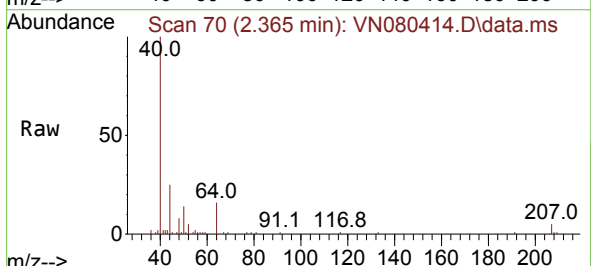
Acq: 08 Dec 2023 18:21

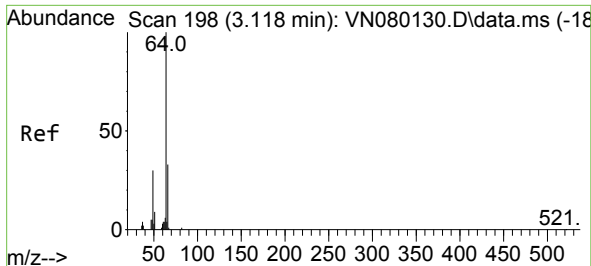
Tgt Ion: 50 Resp: 6125

Ion Ratio Lower Upper

50 100

52 34.3 26.5 39.7

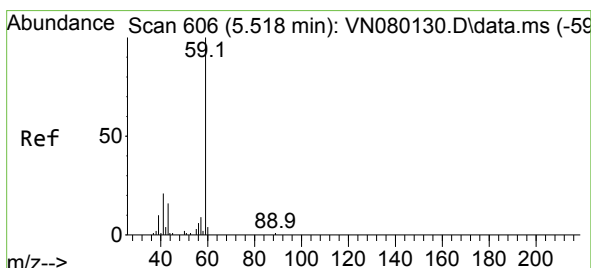
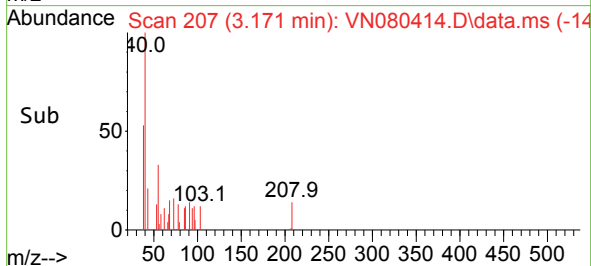
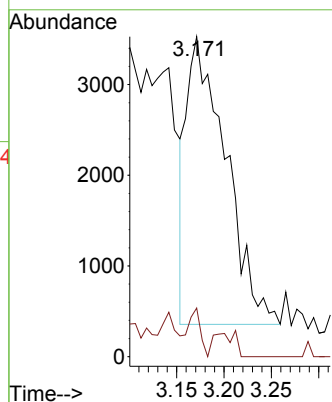
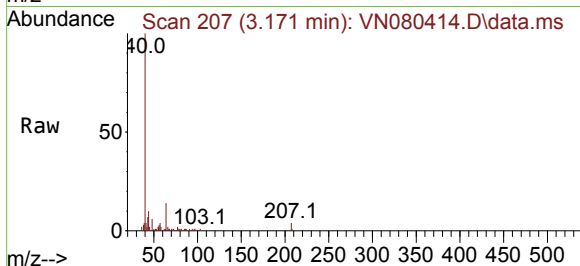




#6
Chloroethane
Concen: 2.708 ug/l
RT: 3.171 min Scan# 20
Delta R.T. 0.053 min
Lab File: VN080414.D
Acq: 08 Dec 2023 18:21

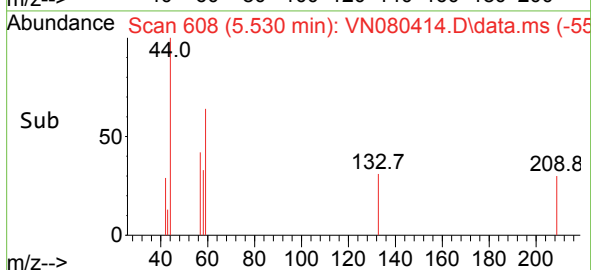
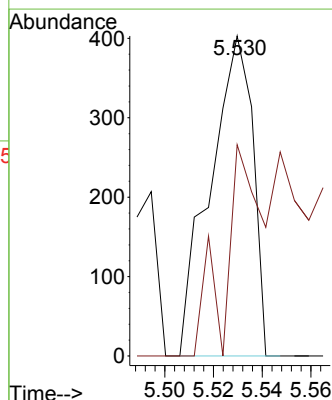
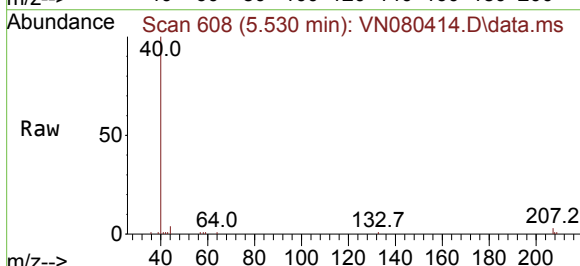
Instrument :
MSVOA_N
ClientSampleId :

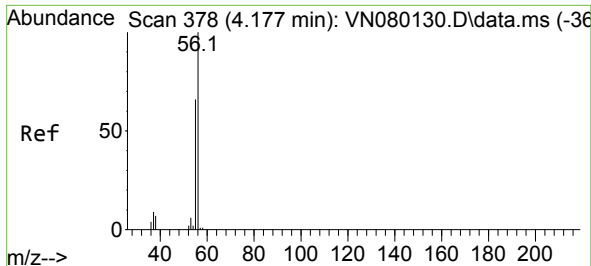
Tgt Ion: 64 Resp: 9143
Ion Ratio Lower Upper
64 100
66 16.9 25.4 38.2#



#11
Tert butyl alcohol
Concen: 0.847 ug/l
RT: 5.530 min Scan# 608
Delta R.T. 0.012 min
Lab File: VN080414.D
Acq: 08 Dec 2023 18:21

Tgt Ion: 59 Resp: 491
Ion Ratio Lower Upper
59 100
57 56.4 8.2 12.4#





#13

Acrolein

Concen: 14.875 ug/l

RT: 4.183 min Scan# 31

Delta R.T. 0.006 min

Lab File: VN080414.D

Acq: 08 Dec 2023 18:21

Instrument :

MSVOA_N

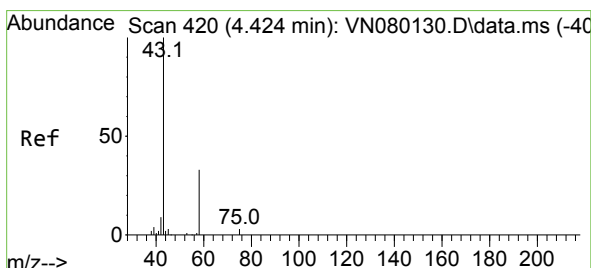
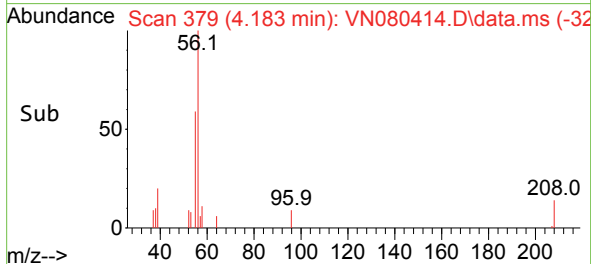
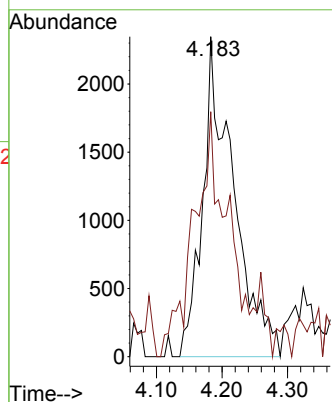
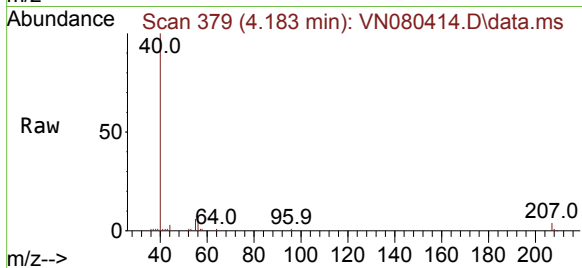
ClientSampleId :

Tgt Ion: 56 Resp: 7634

Ion Ratio Lower Upper

56 100

55 82.8 54.5 81.7#



#16

Acetone

Concen: 10.995 ug/l

RT: 4.436 min Scan# 422

Delta R.T. 0.012 min

Lab File: VN080414.D

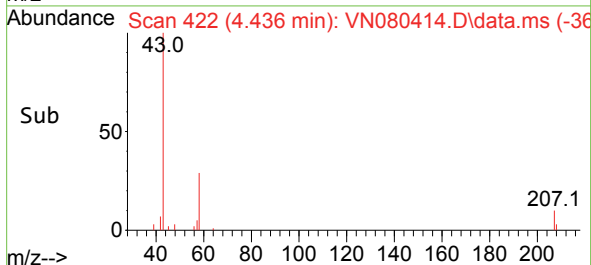
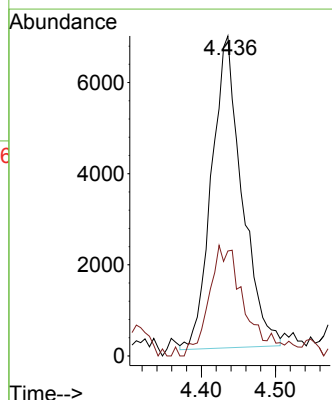
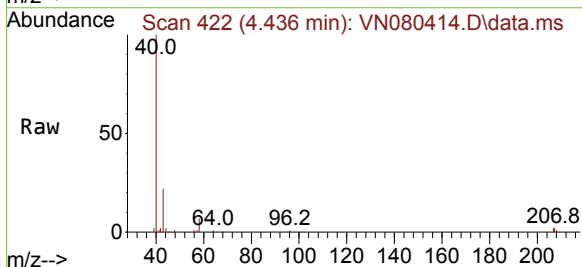
Acq: 08 Dec 2023 18:21

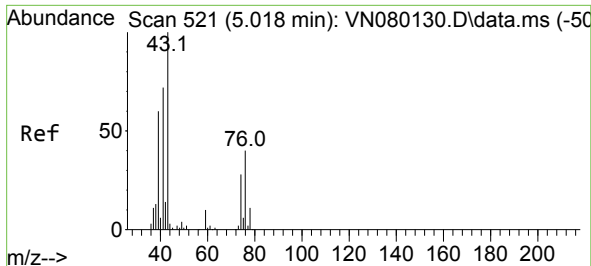
Tgt Ion: 43 Resp: 19474

Ion Ratio Lower Upper

43 100

58 33.9 28.0 42.0

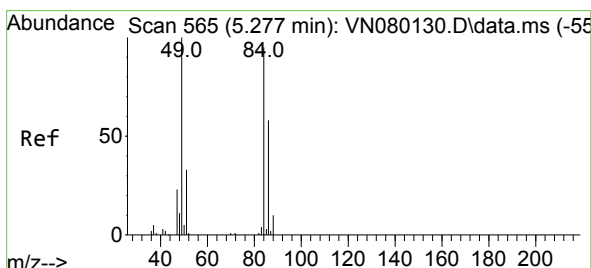
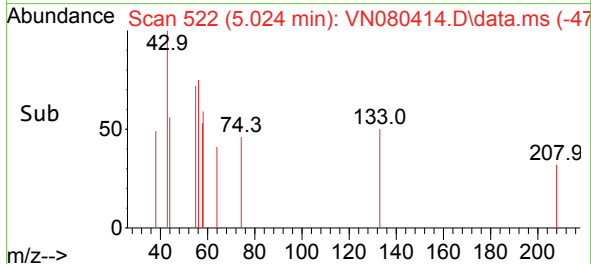
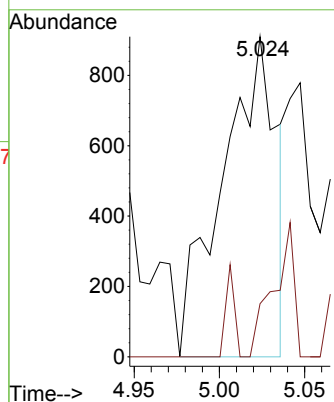
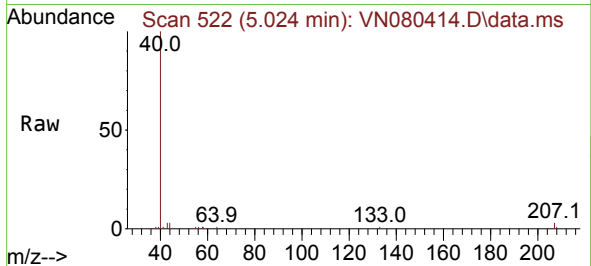




#18
Methyl Acetate
Concen: 0.350 ug/l
RT: 5.024 min Scan# 51
Delta R.T. 0.006 min
Lab File: VN080414.D
Acq: 08 Dec 2023 18:21

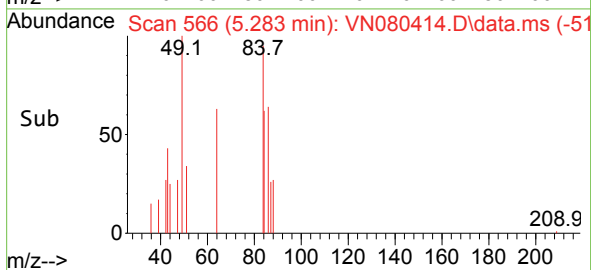
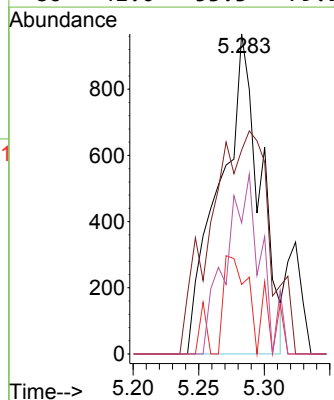
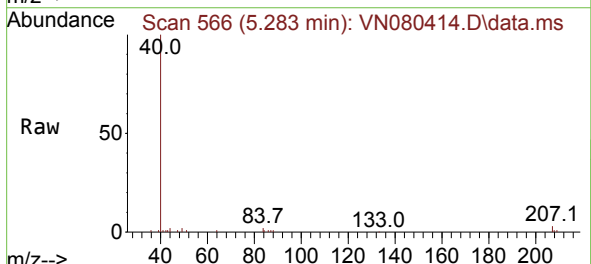
Instrument :
MSVOA_N
ClientSampleId :

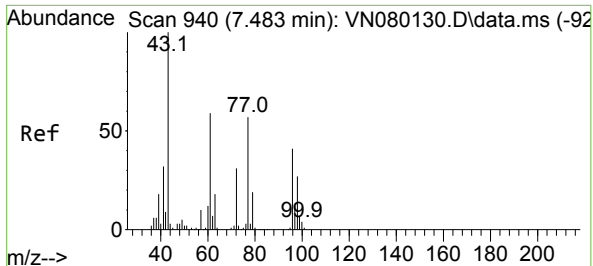
Tgt Ion: 43 Resp: 1992
Ion Ratio Lower Upper
43 100
74 4.6 26.2 39.4#



#20
Methylene Chloride
Concen: 0.559 ug/l
RT: 5.283 min Scan# 566
Delta R.T. 0.006 min
Lab File: VN080414.D
Acq: 08 Dec 2023 18:21

Tgt Ion: 84 Resp: 2075
Ion Ratio Lower Upper
84 100
49 63.7 79.7 119.5#
51 21.7 25.2 37.8#
86 41.0 53.3 79.9#

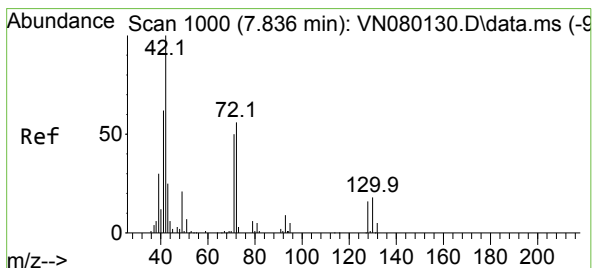
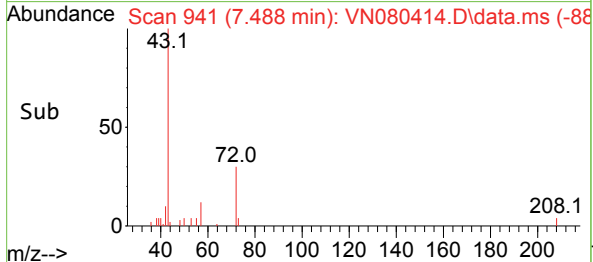
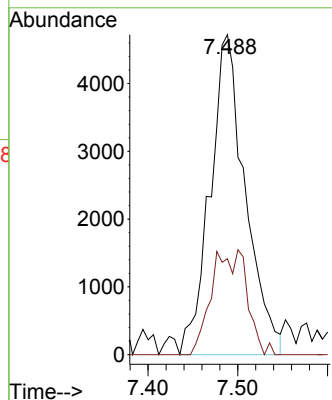
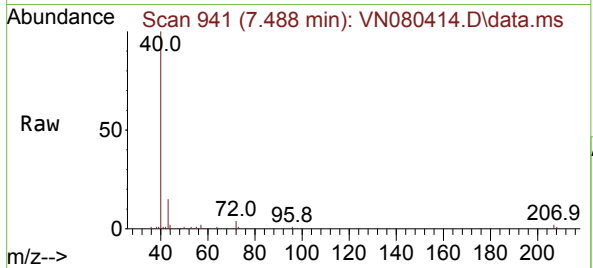




#25
2-Butanone
Concen: 6.116 ug/l
RT: 7.488 min Scan# 940
Delta R.T. 0.006 min
Lab File: VN080414.D
Acq: 08 Dec 2023 18:21

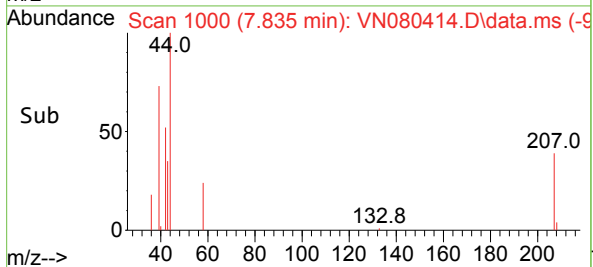
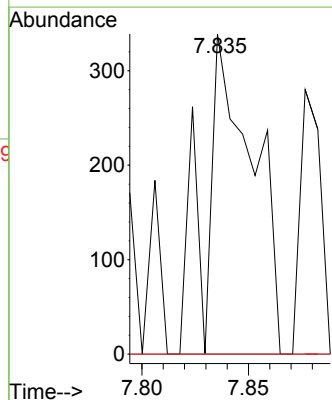
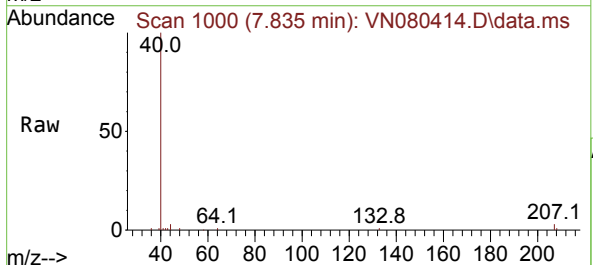
Instrument :
MSVOA_N
ClientSampleId :

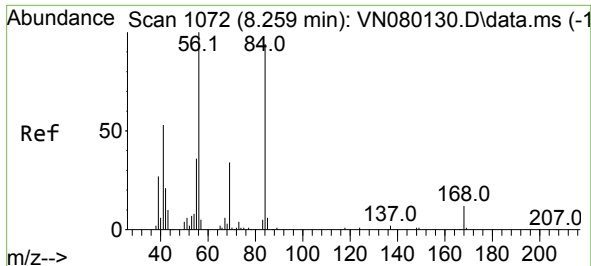
Tgt Ion: 43 Resp: 12871
Ion Ratio Lower Upper
43 100
72 30.0 30.2 45.2#



#29
Tetrahydrofuran
Concen: 0.471 ug/l
RT: 7.835 min Scan# 1000
Delta R.T. -0.000 min
Lab File: VN080414.D
Acq: 08 Dec 2023 18:21

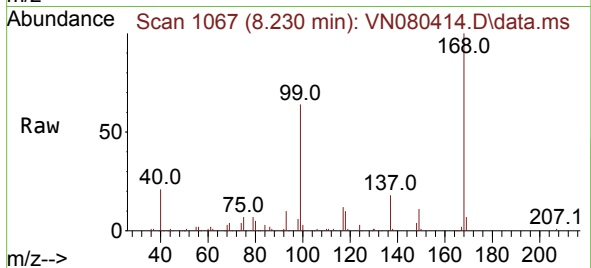
Tgt Ion: 42 Resp: 532
Ion Ratio Lower Upper
42 100
72 0.0 49.8 74.6#
71 0.0 47.4 71.2#



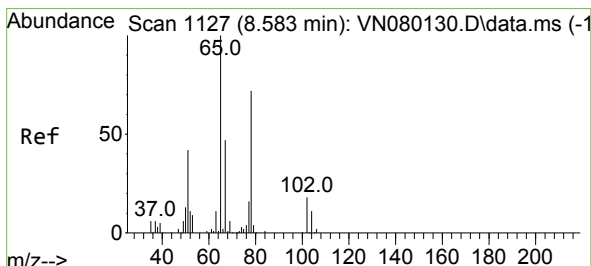
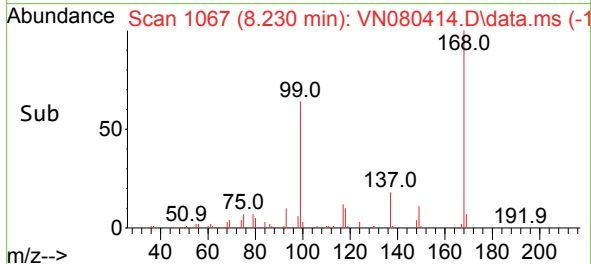
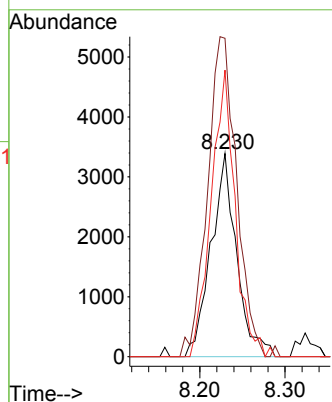


#31
Cyclohexane
Concen: 1.240 ug/l
RT: 8.230 min Scan# 1067
Delta R.T. -0.030 min
Lab File: VN080414.D
Acq: 08 Dec 2023 18:21

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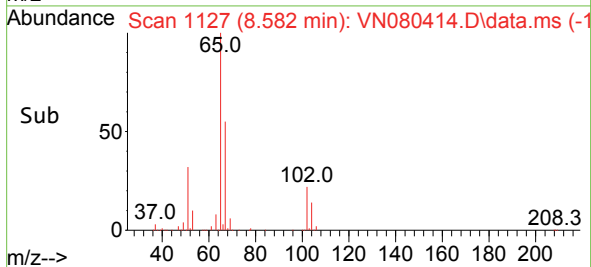
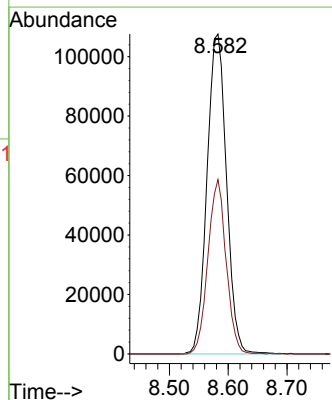
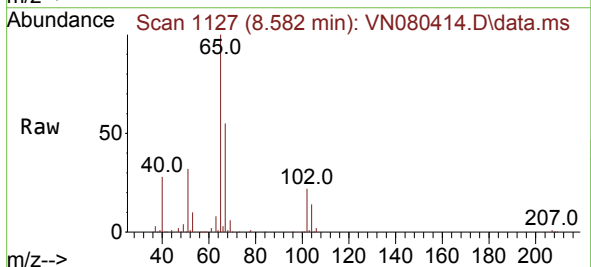


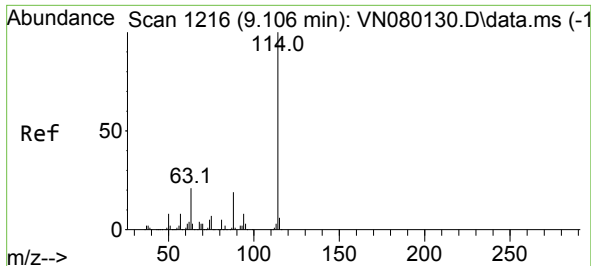
Tgt Ion: 56 Resp: 7110
Ion Ratio Lower Upper
56 100
69 156.7 26.8 40.2#
84 141.0 81.8 122.6#



#33
1,2-Dichloroethane-d4
Concen: 46.926 ug/l
RT: 8.582 min Scan# 1127
Delta R.T. -0.000 min
Lab File: VN080414.D
Acq: 08 Dec 2023 18:21

Tgt Ion: 65 Resp: 247460
Ion Ratio Lower Upper
65 100
67 51.0 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

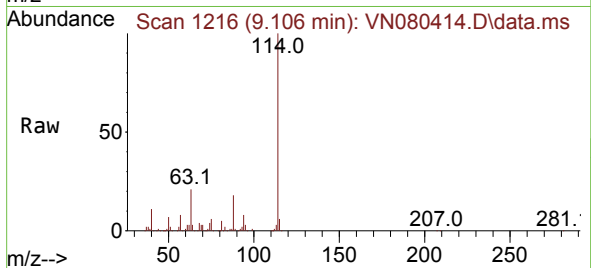
Lab File: VN080414.D

Acq: 08 Dec 2023 18:21

Instrument :

MSVOA_N

ClientSampleId :



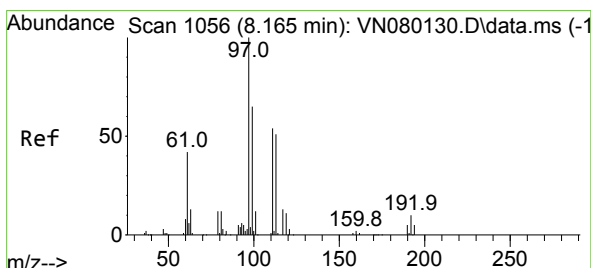
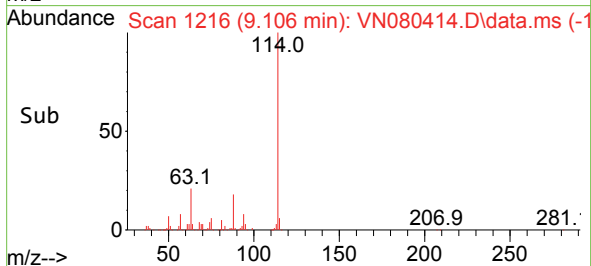
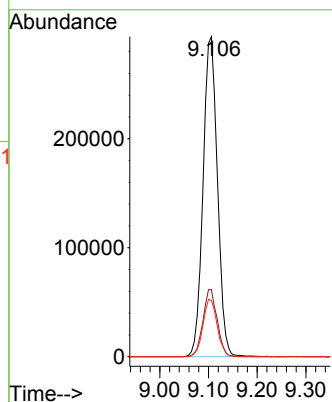
Tgt Ion:114 Resp: 601590

Ion Ratio Lower Upper

114 100

63 21.0 0.0 36.4

88 17.6 0.0 30.6



#35

Dibromofluoromethane

Concen: 49.071 ug/l

RT: 8.171 min Scan# 1057

Delta R.T. 0.006 min

Lab File: VN080414.D

Acq: 08 Dec 2023 18:21

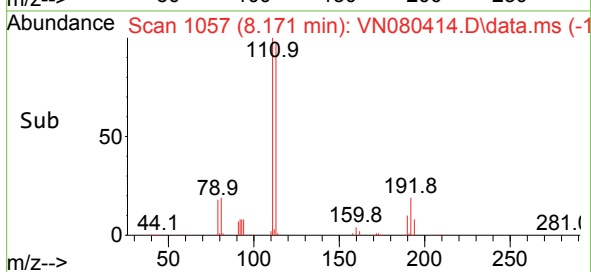
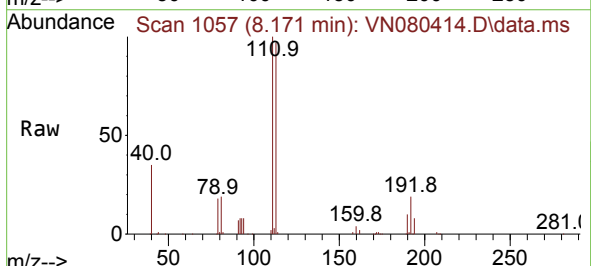
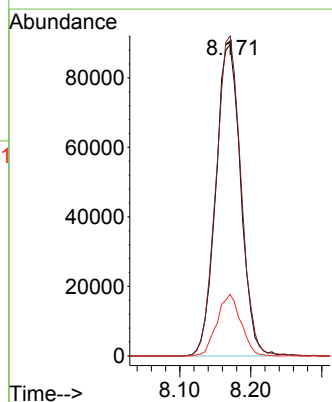
Tgt Ion:113 Resp: 217822

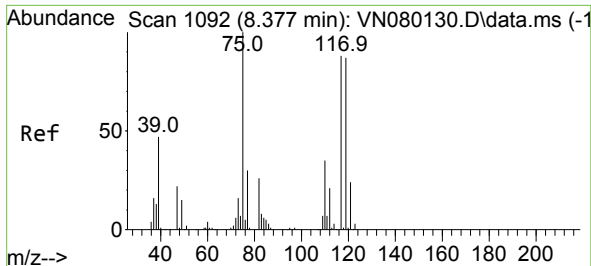
Ion Ratio Lower Upper

113 100

111 102.7 82.6 123.8

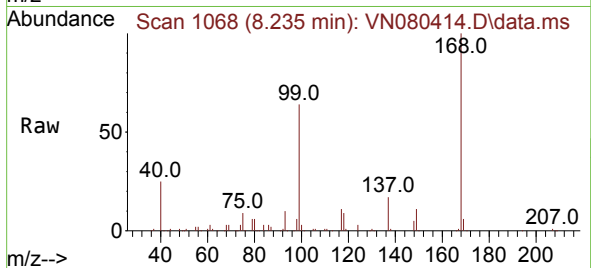
192 19.1 12.7 19.1



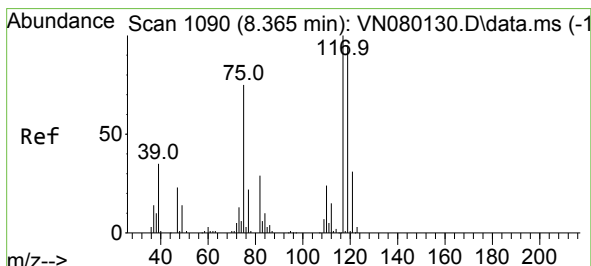
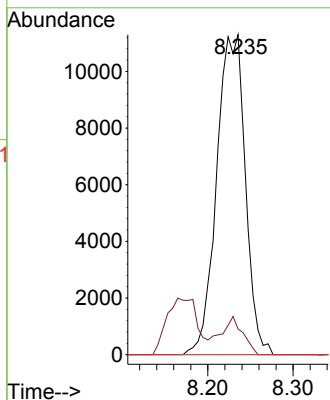
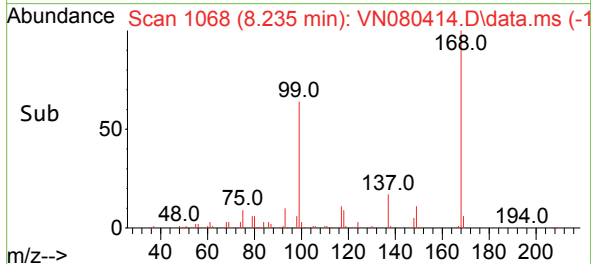


#36
1,1-Dichloropropene
Concen: 4.106 ug/l
RT: 8.235 min Scan# 1067
Delta R.T. -0.141 min
Lab File: VN080414.D
Acq: 08 Dec 2023 18:21

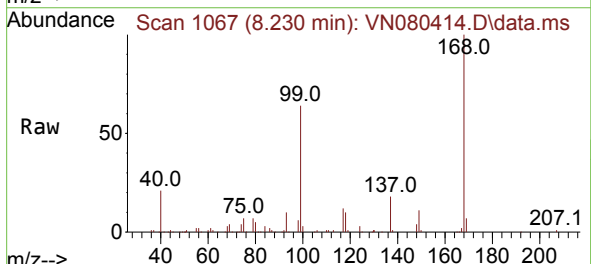
Instrument :
MSVOA_N
ClientSampleId :



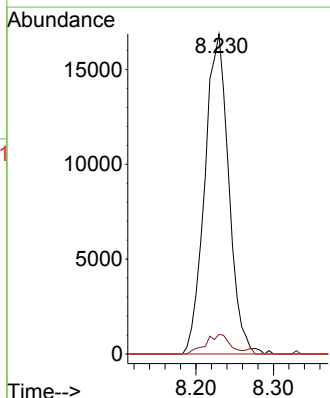
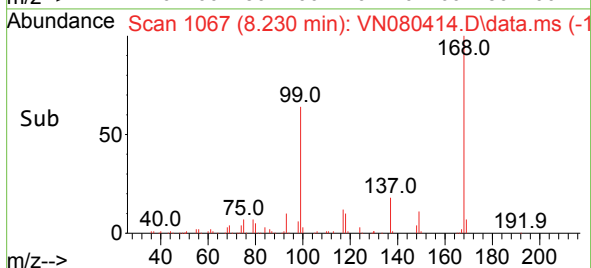
Tgt Ion: 75 Resp: 26386
Ion Ratio Lower Upper
75 100
110 9.2 19.1 57.3#
77 0.0 25.0 37.4#

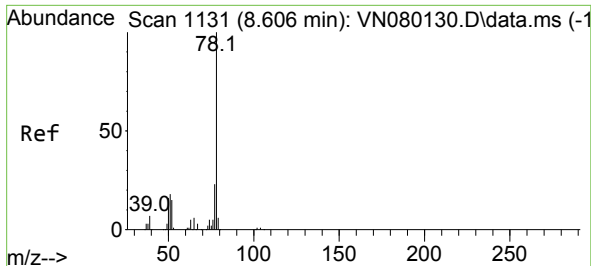


#38
Carbon Tetrachloride
Concen: 4.446 ug/l
RT: 8.230 min Scan# 1067
Delta R.T. -0.135 min
Lab File: VN080414.D
Acq: 08 Dec 2023 18:21



Tgt Ion: 117 Resp: 36256
Ion Ratio Lower Upper
117 100
119 6.1 77.3 115.9#
121 0.0 23.3 34.9#

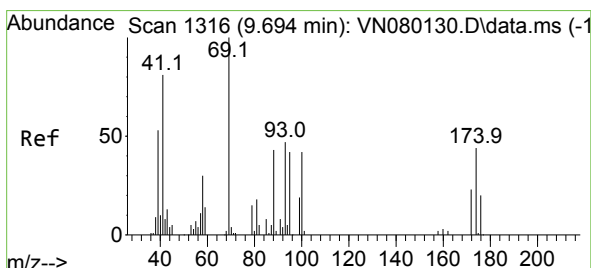
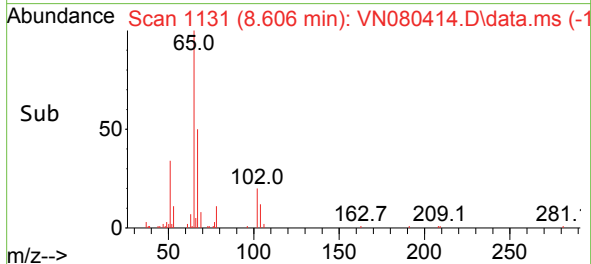
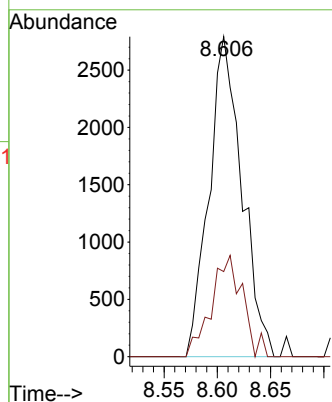
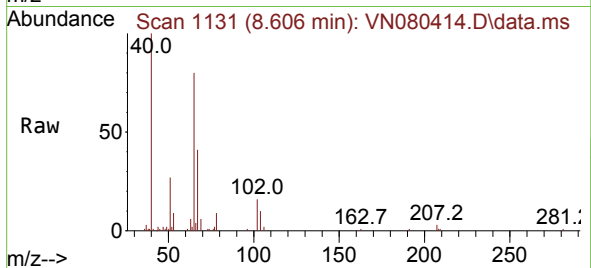




#40
Benzene
Concen: 0.328 ug/l
RT: 8.606 min Scan# 1131
Delta R.T. -0.000 min
Lab File: VN080414.D
Acq: 08 Dec 2023 18:21

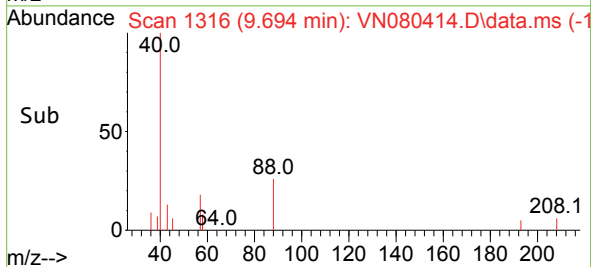
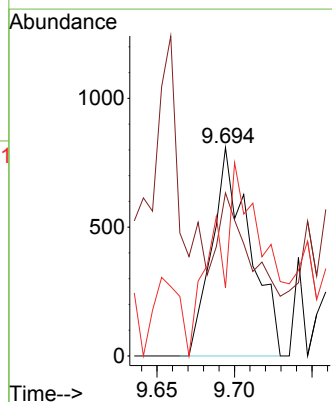
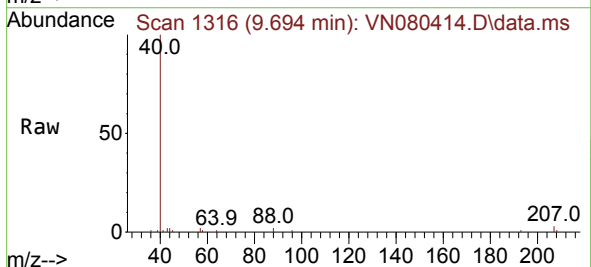
Instrument :
MSVOA_N
ClientSampleId :

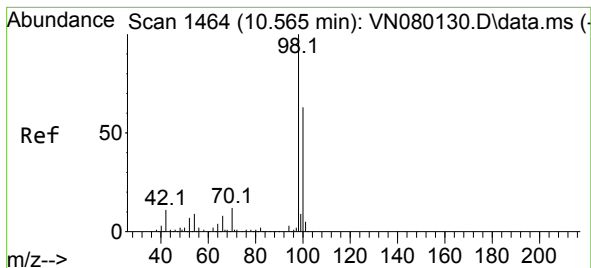
Tgt Ion: 78 Resp: 5989
Ion Ratio Lower Upper
78 100
77 26.6 19.0 28.6



#49
1,4-Dioxane
Concen: 18.408 ug/l
RT: 9.694 min Scan# 1316
Delta R.T. -0.000 min
Lab File: VN080414.D
Acq: 08 Dec 2023 18:21

Tgt Ion: 88 Resp: 1369
Ion Ratio Lower Upper
88 100
43 83.6 17.0 25.6#
58 121.9 47.0 70.4#





#50

Toluene-d8

Concen: 49.068 ug/l

RT: 10.571 min Scan# 1464

Delta R.T. 0.006 min

Lab File: VN080414.D

Acq: 08 Dec 2023 18:21

Instrument :

MSVOA_N

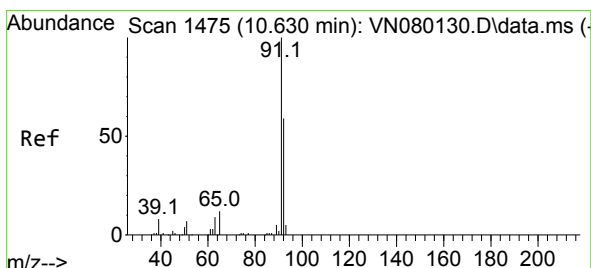
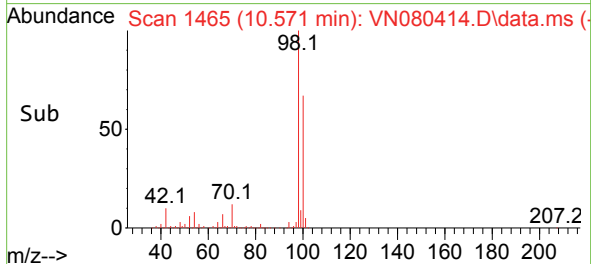
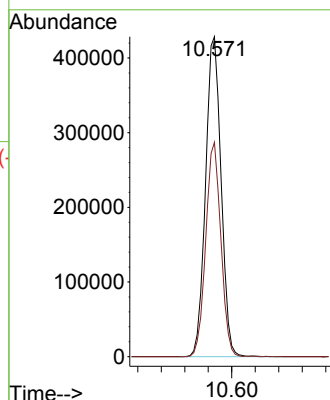
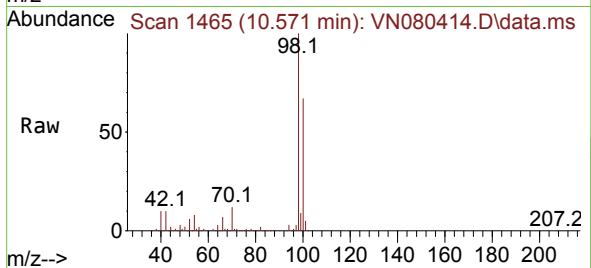
ClientSampleId :

Tgt Ion: 98 Resp: 785161

Ion Ratio Lower Upper

98 100

100 65.2 52.0 78.0



#52

Toluene

Concen: 0.464 ug/l

RT: 10.635 min Scan# 1476

Delta R.T. 0.006 min

Lab File: VN080414.D

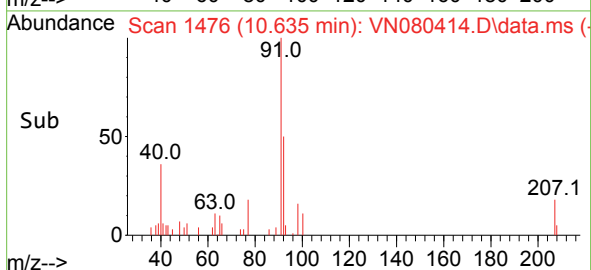
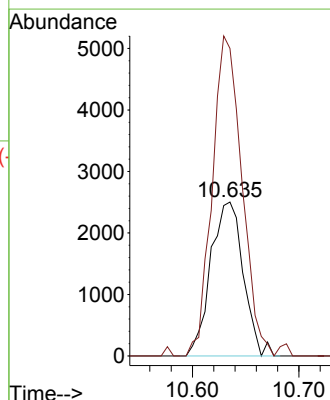
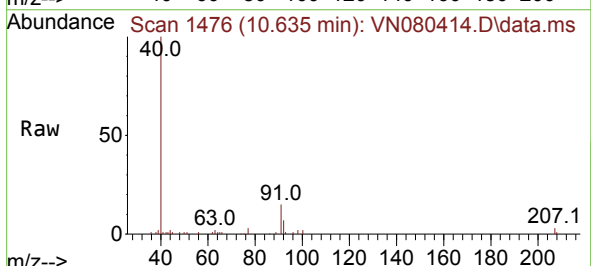
Acq: 08 Dec 2023 18:21

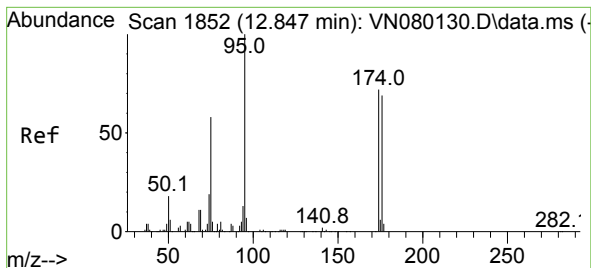
Tgt Ion: 92 Resp: 5308

Ion Ratio Lower Upper

92 100

91 189.7 137.4 206.0

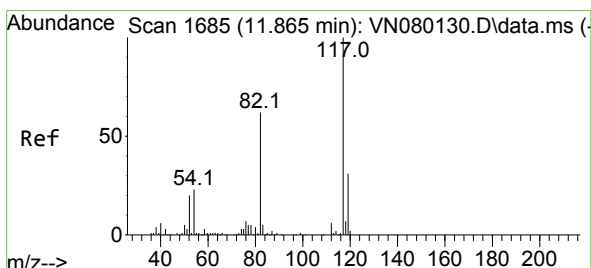
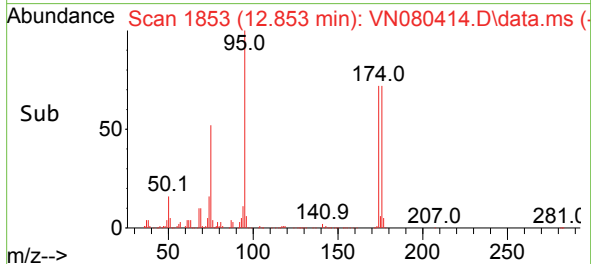
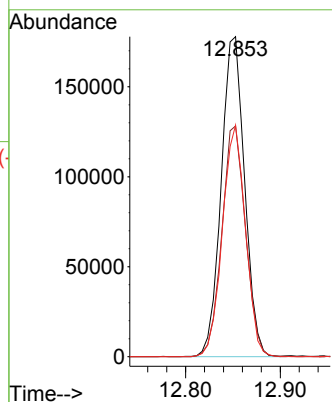
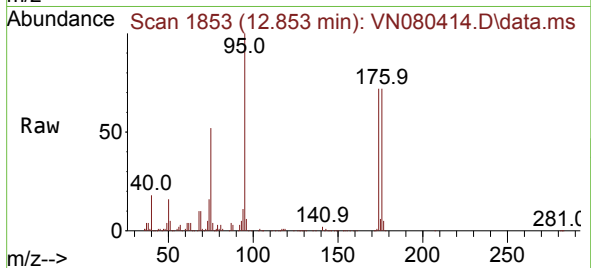




#62
4-Bromofluorobenzene
Concen: 50.561 ug/l
RT: 12.853 min Scan# 1853
Delta R.T. 0.006 min
Lab File: VN080414.D
Acq: 08 Dec 2023 18:21

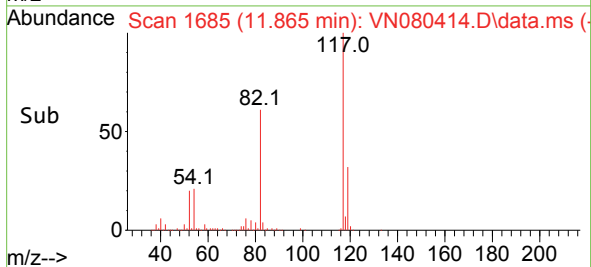
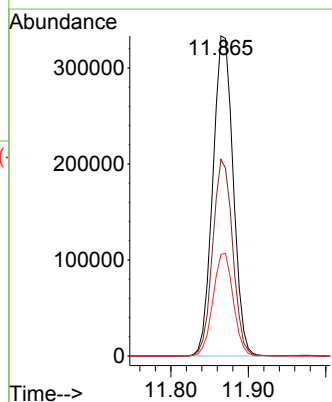
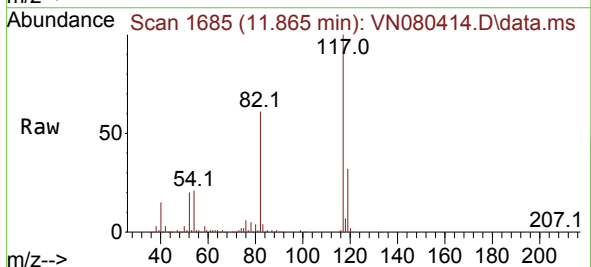
Instrument :
MSVOA_N
ClientSampleId :

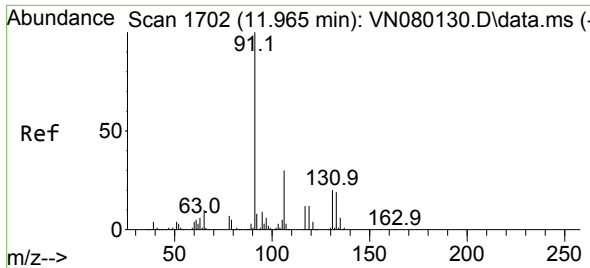
Tgt Ion: 95 Resp: 305593
Ion Ratio Lower Upper
95 100
174 72.8 0.0 143.8
176 71.2 0.0 135.8



#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.865 min Scan# 1685
Delta R.T. -0.000 min
Lab File: VN080414.D
Acq: 08 Dec 2023 18:21

Tgt Ion: 117 Resp: 607497
Ion Ratio Lower Upper
117 100
82 61.5 44.0 66.0
119 31.8 25.6 38.4





#67

Ethyl Benzene

Concen: 0.225 ug/l

RT: 11.965 min Scan# 1702

Delta R.T. -0.000 min

Lab File: VN080414.D

Acq: 08 Dec 2023 18:21

Instrument :

MSVOA_N

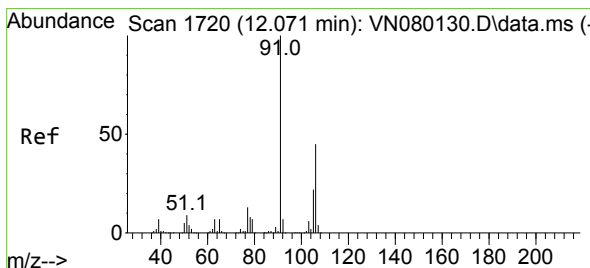
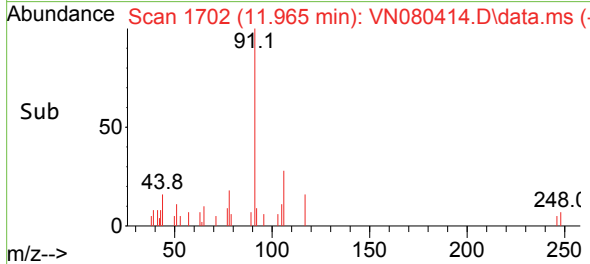
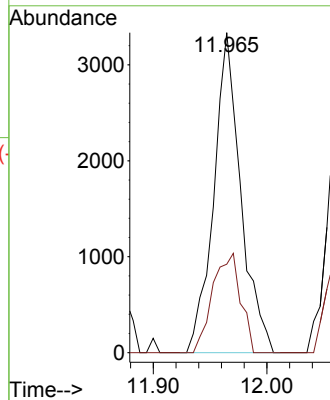
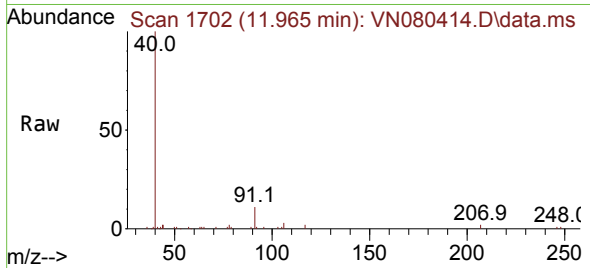
ClientSampleId :

Tgt Ion: 91 Resp: 5522

Ion Ratio Lower Upper

91 100

106 27.7 25.6 38.4



#68

m/p-Xylenes

Concen: 0.446 ug/l

RT: 12.076 min Scan# 1721

Delta R.T. 0.006 min

Lab File: VN080414.D

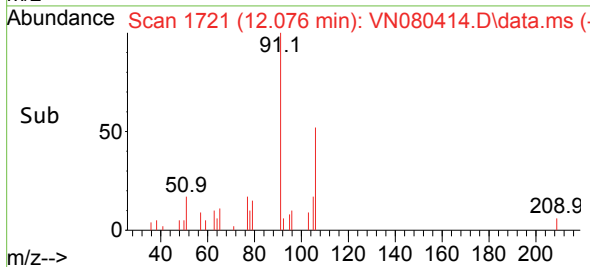
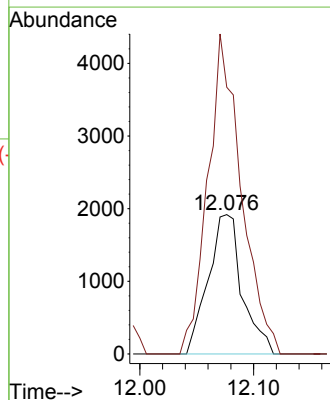
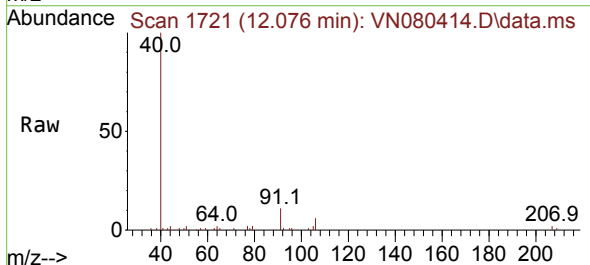
Acq: 08 Dec 2023 18:21

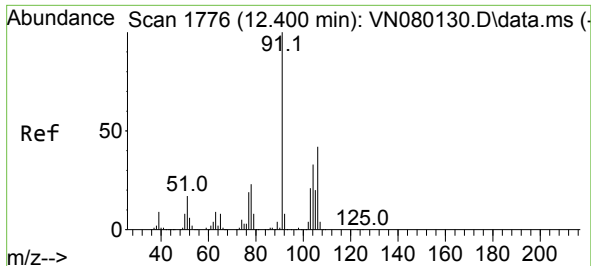
Tgt Ion:106 Resp: 3982

Ion Ratio Lower Upper

106 100

91 227.0 159.6 239.4

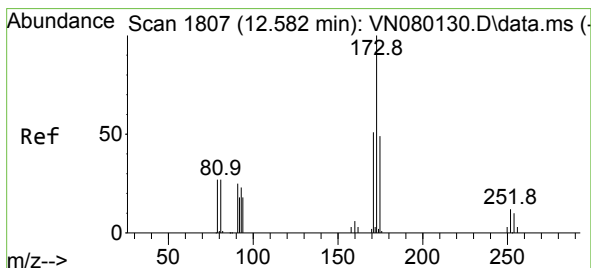
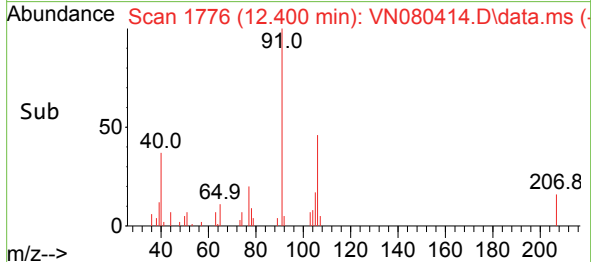
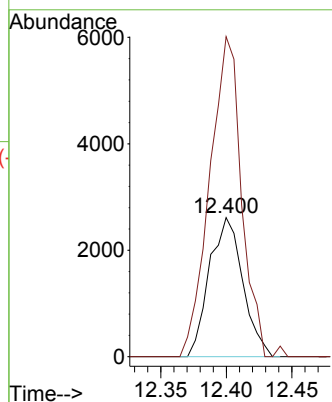
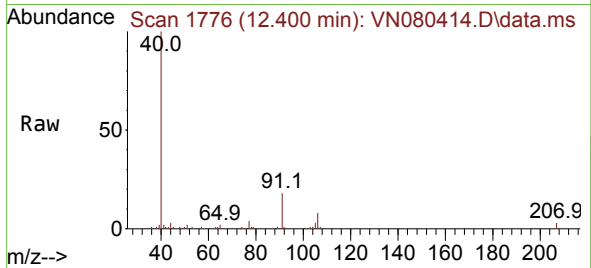




#69
o-Xylene
Concen: 0.551 ug/l
RT: 12.400 min Scan# 11
Delta R.T. -0.000 min
Lab File: VN080414.D
Acq: 08 Dec 2023 18:21

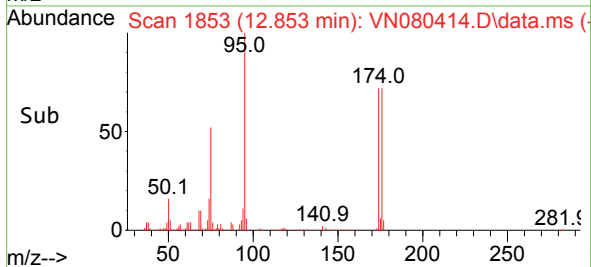
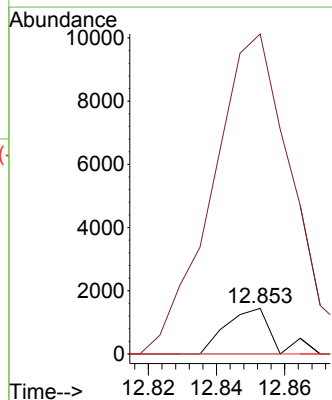
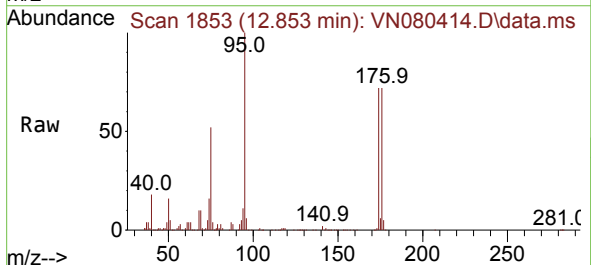
Instrument :
MSVOA_N
ClientSampleId :

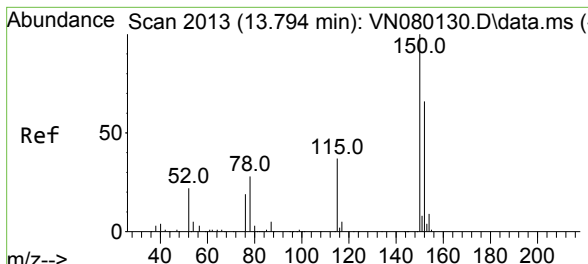
Tgt Ion:106 Resp: 4635
Ion Ratio Lower Upper
106 100
91 218.4 105.2 315.5



#71
Bromoform
Concen: 0.308 ug/l
RT: 12.853 min Scan# 1853
Delta R.T. 0.270 min
Lab File: VN080414.D
Acq: 08 Dec 2023 18:21

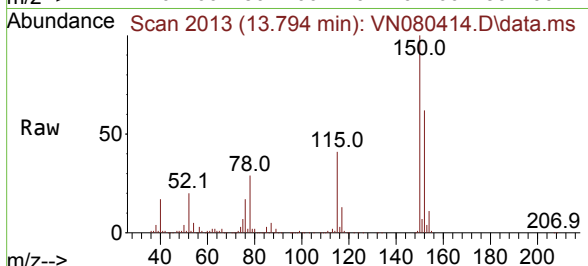
Tgt Ion:173 Resp: 1220
Ion Ratio Lower Upper
173 100
175 1138.7 24.3 73.0#
254 0.0 0.0 0.0



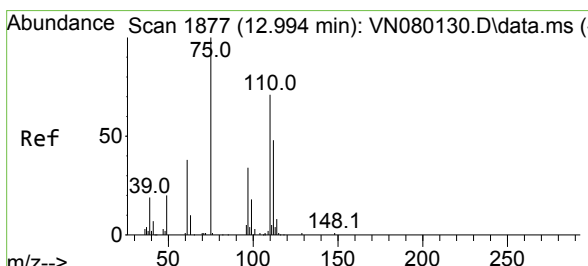
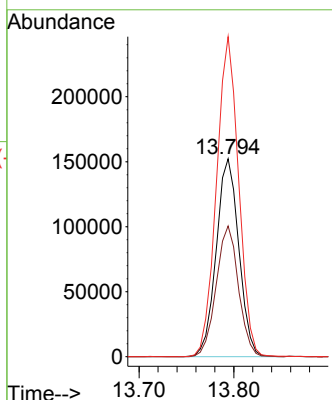
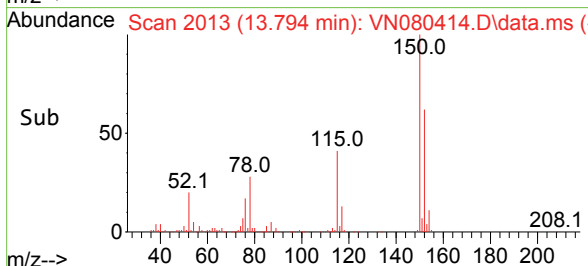


#72
 1,4-Dichlorobenzene-d4
 Concen: 50.000 ug/l
 RT: 13.794 min Scan# 2013
 Delta R.T. -0.000 min
 Lab File: VN080414.D
 Acq: 08 Dec 2023 18:21

Instrument :
 MSVOA_N
 ClientSampleId :

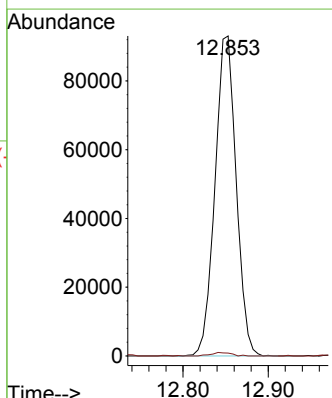
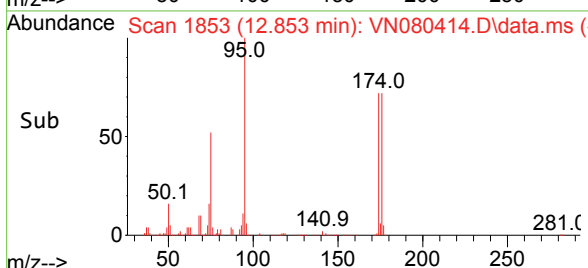
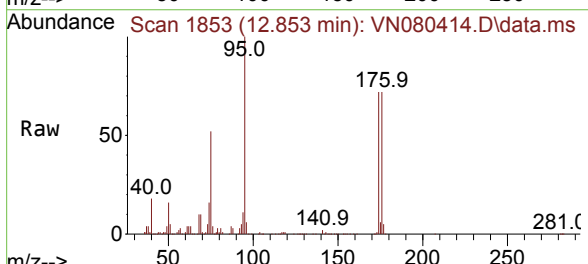


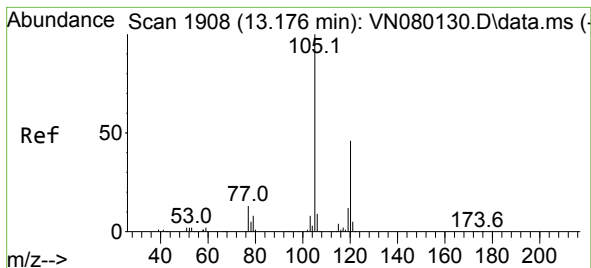
Tgt Ion:	152	Resp:	252230
Ion Ratio	Lower	Upper	
152	100		
115	65.2	32.3	96.8
150	158.6	0.0	355.8



#76
 1,2,3-Trichloropropane
 Concen: 26.070 ug/l
 RT: 12.853 min Scan# 1853
 Delta R.T. -0.141 min
 Lab File: VN080414.D
 Acq: 08 Dec 2023 18:21

Tgt Ion:	75	Resp:	161114
Ion Ratio	Lower	Upper	
75	100		
77	1.1	84.5	253.5#





#80

1,3,5-Trimethylbenzene

Concen: 0.253 ug/l

RT: 13.176 min Scan# 1908

Delta R.T. -0.000 min

Lab File: VN080414.D

Acq: 08 Dec 2023 18:21

Instrument :

MSVOA_N

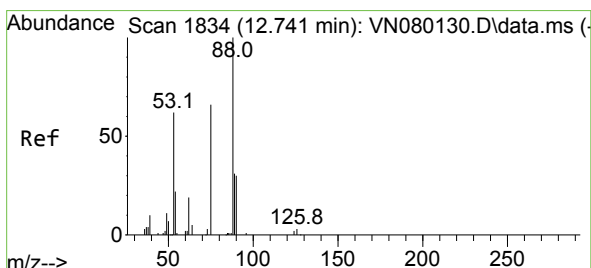
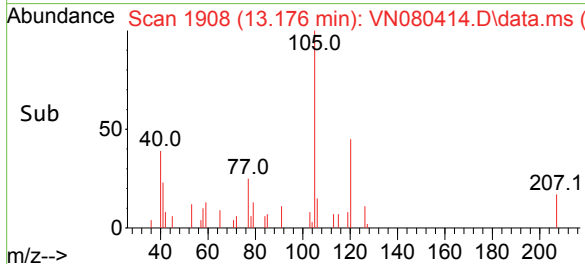
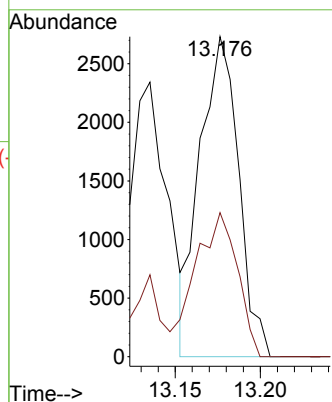
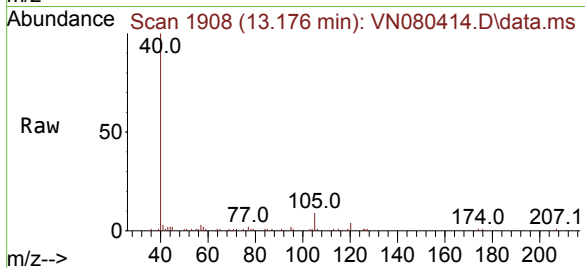
ClientSampleId :

Tgt Ion:105 Resp: 4310

Ion Ratio Lower Upper

105 100

120 48.9 24.1 72.3



#81

trans-1,4-Dichloro-2-butene

Concen: 88.080 ug/l

RT: 12.853 min Scan# 1853

Delta R.T. 0.112 min

Lab File: VN080414.D

Acq: 08 Dec 2023 18:21

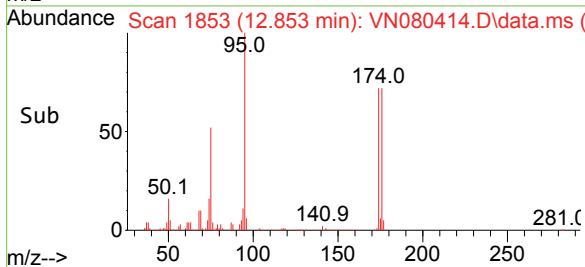
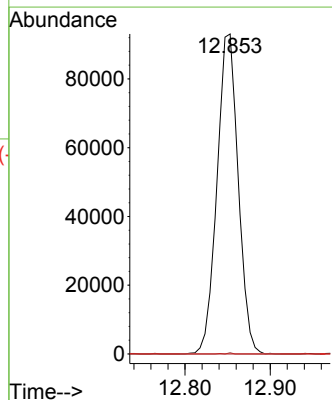
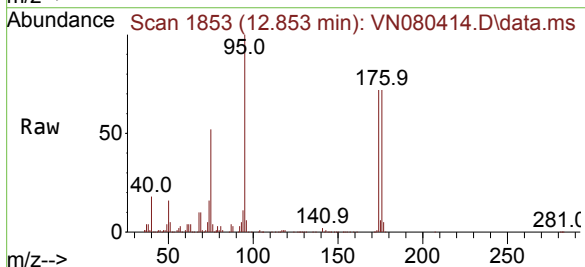
Tgt Ion: 75 Resp: 161114

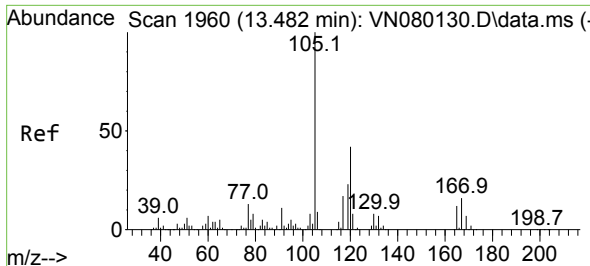
Ion Ratio Lower Upper

75 100

53 0.1 67.4 101.2#

89 0.0 38.8 58.2#

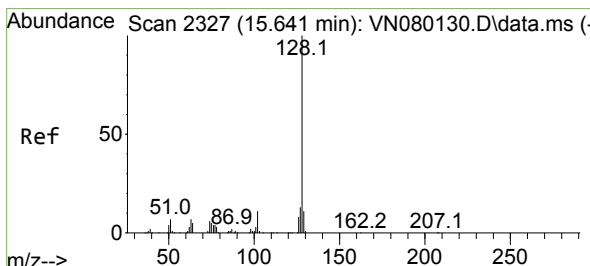
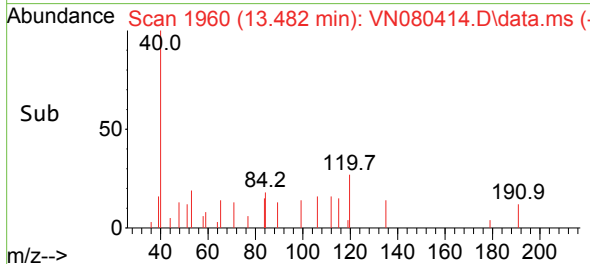
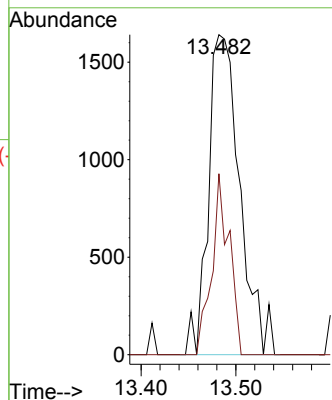
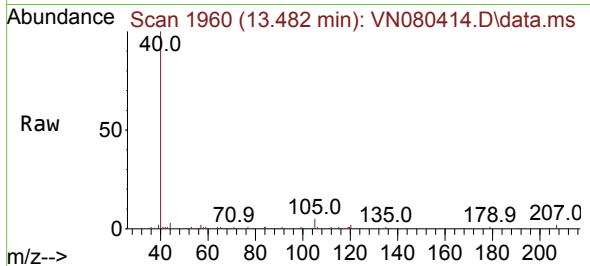




#84
1,2,4-Trimethylbenzene
Concen: 0.226 ug/l
RT: 13.482 min Scan# 1960
Delta R.T. -0.000 min
Lab File: VN080414.D
Acq: 08 Dec 2023 18:21

Instrument :
MSVOA_N
ClientSampleId :

Tgt Ion:105 Resp: 3789
Ion Ratio Lower Upper
105 100
120 31.4 22.0 66.0



#95
Naphthalene
Concen: 0.210 ug/l
RT: 15.641 min Scan# 2327
Delta R.T. -0.000 min
Lab File: VN080414.D
Acq: 08 Dec 2023 18:21

Tgt Ion:128 Resp: 3018
Ion Ratio Lower Upper
128 100
127 11.0 10.0 15.0
129 14.4 8.7 13.1#

