

Data Path : Z:\voasrv\HPCHEM1\MSVOA_N\Data\VN120623\
 Data File : VN080394.D
 Acq On : 06 Dec 2023 18:20
 Operator : JC\MD
 Sample : 05650-01 50X
 Misc : 5.0mL/MSVOA_N/WATER
 ALS Vial : 20 Sample Multiplier: 1

Instrument :
 MSVOA_N
 ClientSampleId :

Quant Time: Dec 07 01:05:01 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)

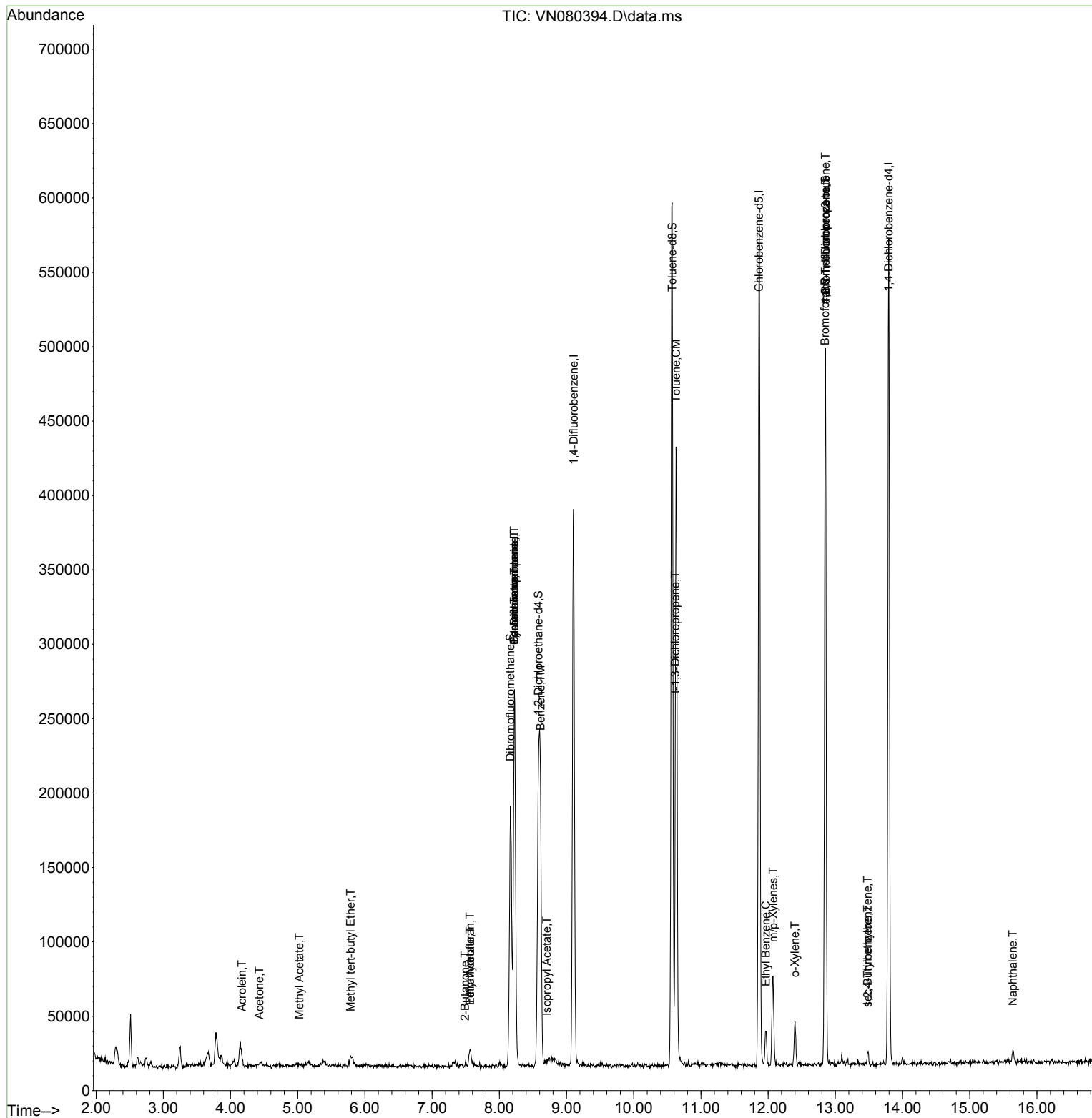
Internal Standards						
1) Pentafluorobenzene	8.224	168	174993	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	9.106	114	317507	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.865	117	331779	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.794	152	148606	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.583	65	148666	51.452	ug/l	0.00
Spiked Amount 50.000	Range 74 - 125		Recovery = 102.900%			
35) Dibromofluoromethane	8.165	113	120256	51.330	ug/l	0.00
Spiked Amount 50.000	Range 75 - 124		Recovery = 102.660%			
50) Toluene-d8	10.571	98	413482	48.960	ug/l	0.00
Spiked Amount 50.000	Range 86 - 113		Recovery = 97.920%			
62) 4-Bromofluorobenzene	12.853	95	167629	52.550	ug/l	0.00
Spiked Amount 50.000	Range 83 - 123		Recovery = 105.100%			
Target Compounds						Qvalue
6) Chloroethane	3.106	64	227	Below Cal	#	43
13) Acrolein	4.171	56	115	0.409	ug/l #	16
16) Acetone	4.430	43	5087	5.242	ug/l #	83
18) Methyl Acetate	5.024	43	2221	0.712	ug/l #	63
19) Methyl tert-butyl Ether	5.789	73	11762	1.801	ug/l #	89
25) 2-Butanone	7.489	43	683	0.592	ug/l #	37
29) Tetrahydrofuran	7.565	42	1210	1.955	ug/l #	20
31) Cyclohexane	8.224	56	5432	1.729	ug/l #	42
36) 1,1-Dichloropropene	8.224	75	15171	4.473	ug/l #	49
37) Ethyl Acetate	7.565	43	17189	7.306	ug/l #	88
38) Carbon Tetrachloride	8.224	117	20954	4.868	ug/l #	16
40) Benzene	8.612	78	193138	20.035	ug/l	99
43) Isopropyl Acetate	8.706	43	2144	0.468	ug/l #	49
52) Toluene	10.630	92	187161	31.023	ug/l	99
53) t-1,3-Dichloropropene	10.618	75	2597	0.678	ug/l #	59
67) Ethyl Benzene	11.965	91	17919	1.339	ug/l	92
68) m/p-Xylenes	12.076	106	19236	3.944	ug/l	92
69) o-Xylene	12.400	106	7560	1.645	ug/l	84
71) Bromoform	12.847	173	940	0.434	ug/l #	1
76) 1,2,3-Trichloropropane	12.853	75	94572	25.973	ug/l #	1
81) trans-1,4-Dichloro-2-b...	12.853	75	94572	87.754	ug/l #	15
84) 1,2,4-Trimethylbenzene	13.482	105	6051	0.611	ug/l	95
85) sec-Butylbenzene	13.482	105	6051	0.593	ug/l #	57
95) Naphthalene	15.641	128	8457	0.999	ug/l #	95

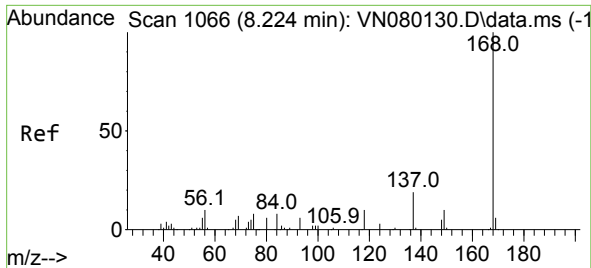
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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Quant Time: Dec 07 01:05:01 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

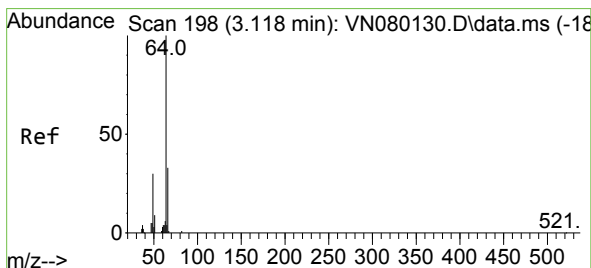
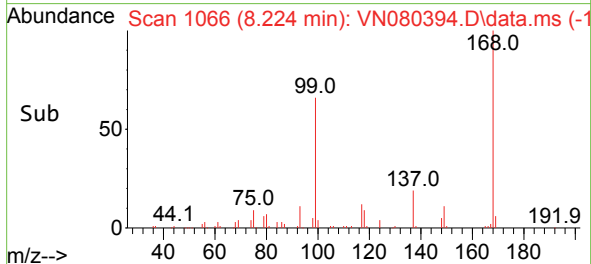
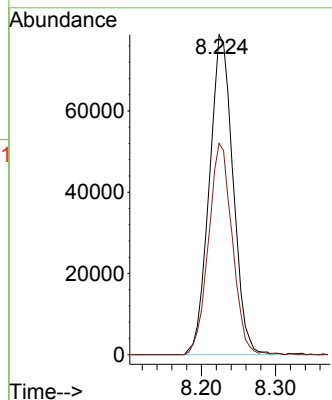
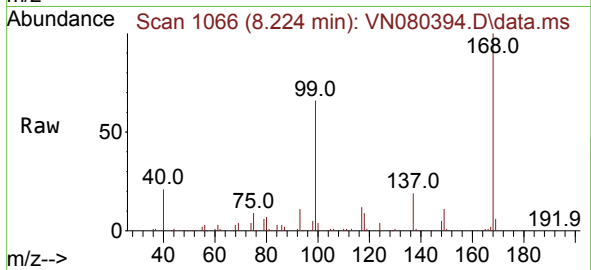




#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 8.224 min Scan# 1066
Delta R.T. -0.000 min
Lab File: VN080394.D
Acq: 06 Dec 2023 18:20

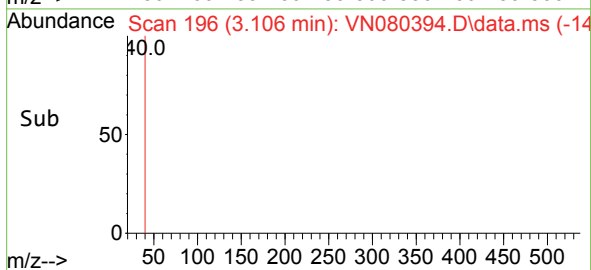
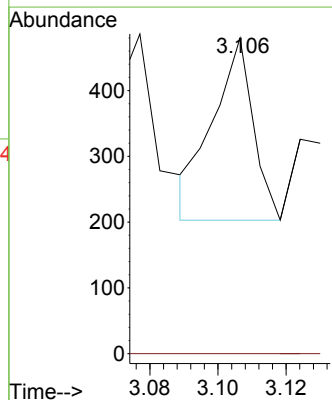
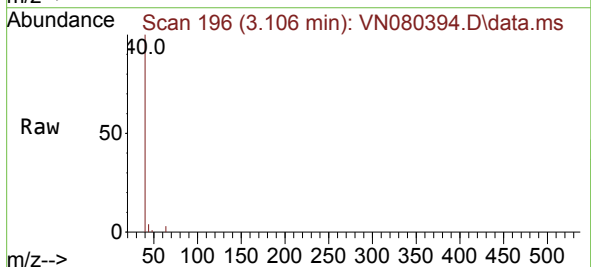
Instrument :
MSVOA_N
ClientSampleId :

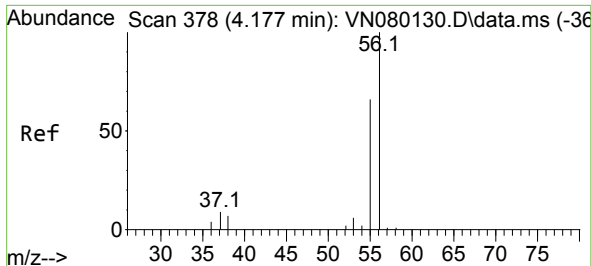
Tgt Ion:168 Resp: 174993
Ion Ratio Lower Upper
168 100
99 66.0 53.0 79.6



#6
Chloroethane
Concen: Below Cal
RT: 3.106 min Scan# 196
Delta R.T. -0.012 min
Lab File: VN080394.D
Acq: 06 Dec 2023 18:20

Tgt Ion: 64 Resp: 227
Ion Ratio Lower Upper
64 100
66 0.0 25.4 38.2#

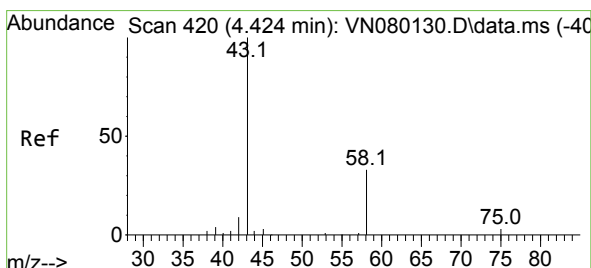
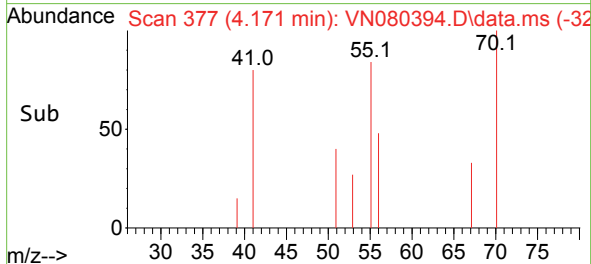
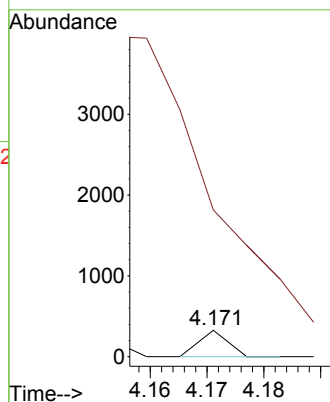
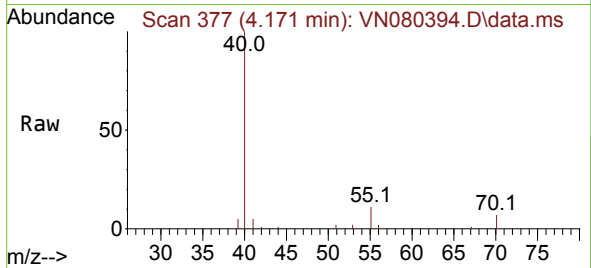




#13
Acrolein
Concen: 0.409 ug/l
RT: 4.171 min Scan# 31
Delta R.T. -0.006 min
Lab File: VN080394.D
Acq: 06 Dec 2023 18:20

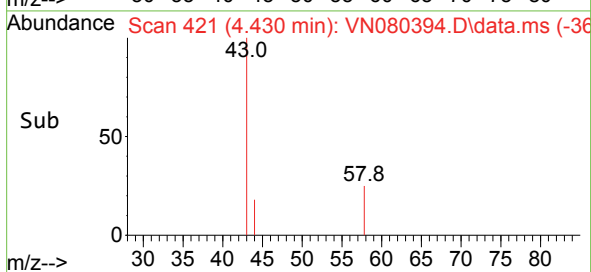
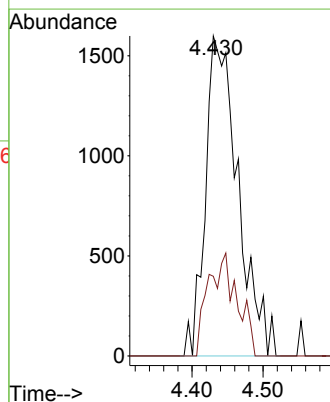
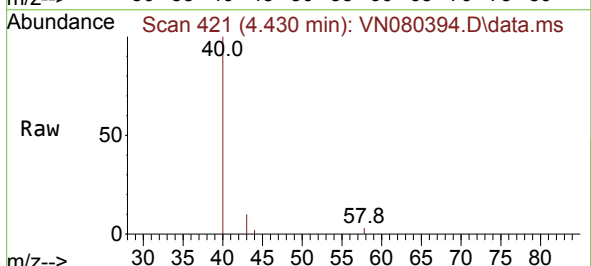
Instrument :
MSVOA_N
ClientSampleId :

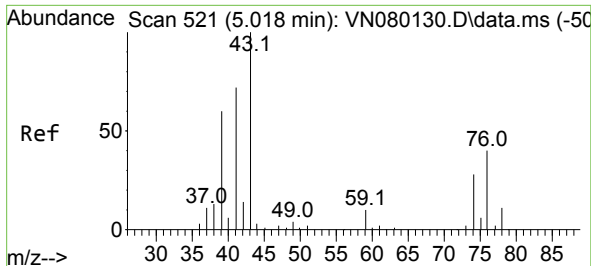
Tgt Ion: 56 Resp: 115
Ion Ratio Lower Upper
56 100
55 0.0 54.5 81.7#



#16
Acetone
Concen: 5.242 ug/l
RT: 4.430 min Scan# 421
Delta R.T. 0.006 min
Lab File: VN080394.D
Acq: 06 Dec 2023 18:20

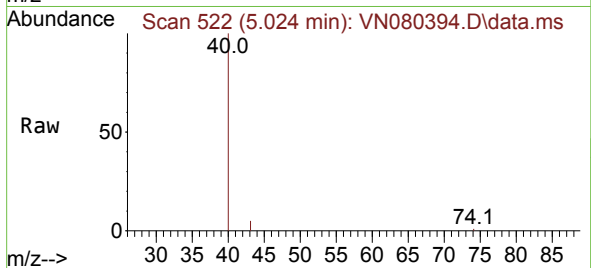
Tgt Ion: 43 Resp: 5087
Ion Ratio Lower Upper
43 100
58 24.9 28.0 42.0#



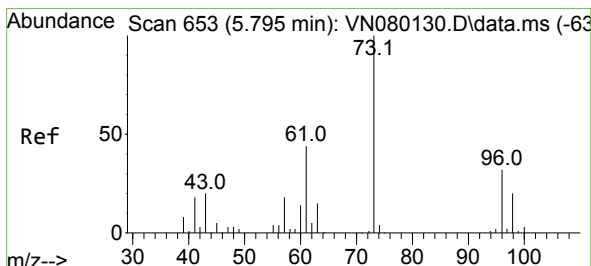
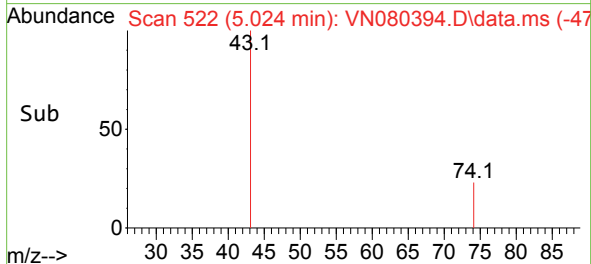
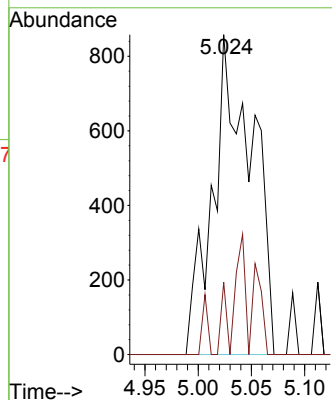


#18
Methyl Acetate
Concen: 0.712 ug/l
RT: 5.024 min Scan# 51
Delta R.T. 0.006 min
Lab File: VN080394.D
Acq: 06 Dec 2023 18:20

Instrument :
MSVOA_N
ClientSampleId :

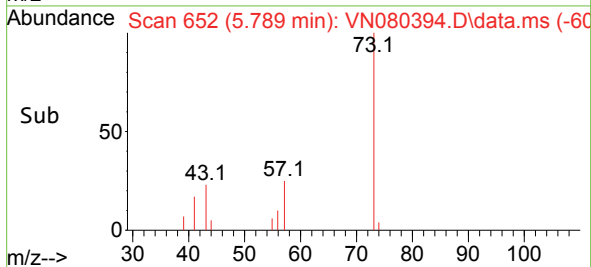
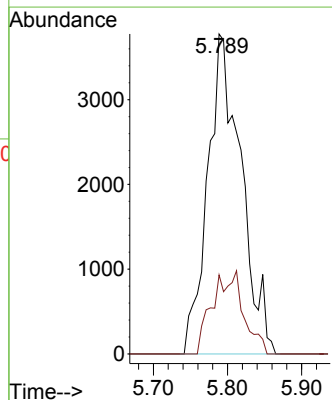
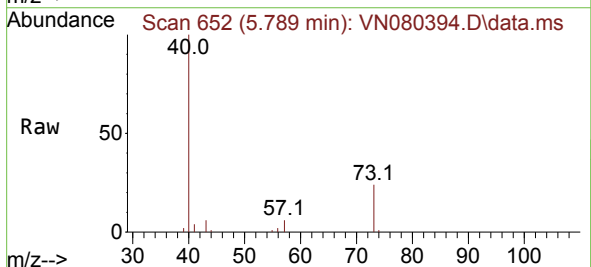


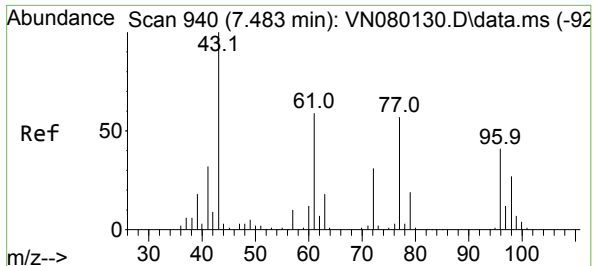
Tgt Ion: 43 Resp: 2221
Ion Ratio Lower Upper
43 100
74 11.7 26.2 39.4#



#19
Methyl tert-butyl Ether
Concen: 1.801 ug/l
RT: 5.789 min Scan# 652
Delta R.T. -0.006 min
Lab File: VN080394.D
Acq: 06 Dec 2023 18:20

Tgt Ion: 73 Resp: 11762
Ion Ratio Lower Upper
73 100
57 24.7 15.6 23.4#

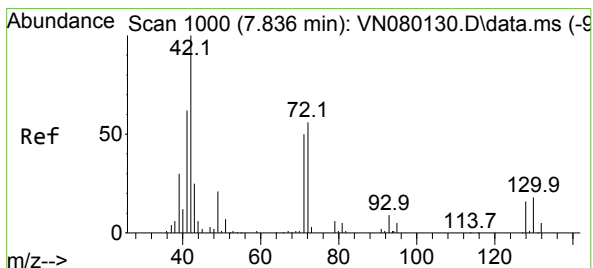
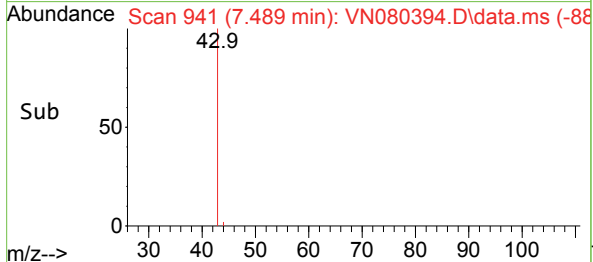
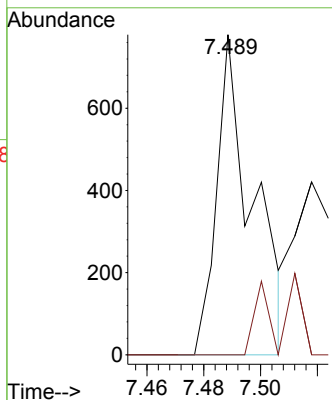
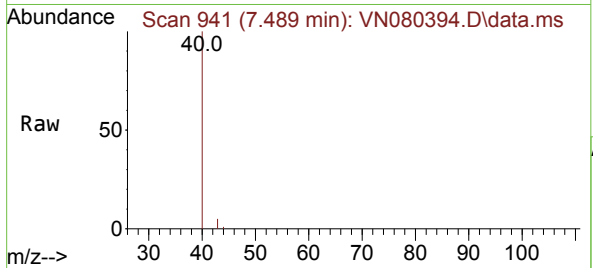




#25
2-Butanone
Concen: 0.592 ug/l
RT: 7.489 min Scan# 941
Delta R.T. 0.006 min
Lab File: VN080394.D
Acq: 06 Dec 2023 18:20

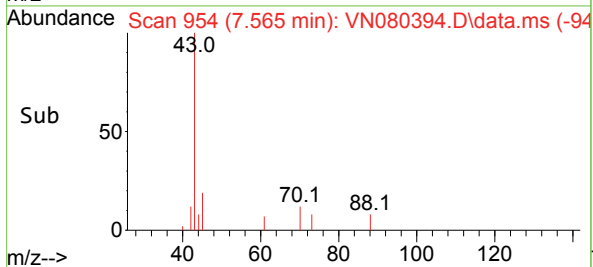
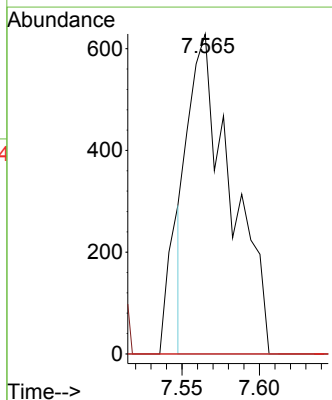
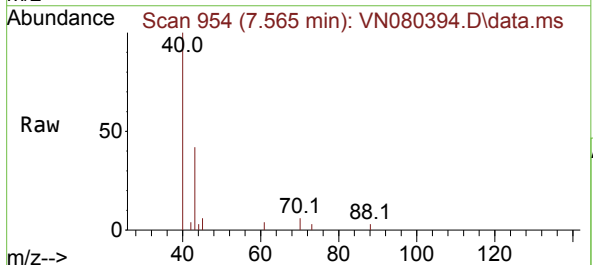
Instrument :
MSVOA_N
ClientSampleId :

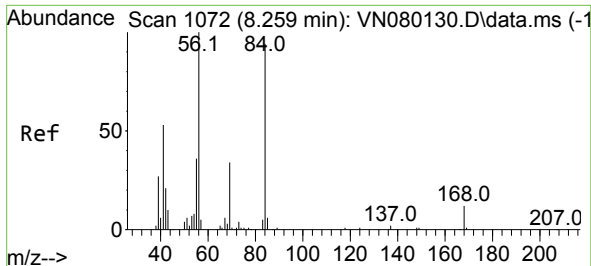
Tgt Ion: 43 Resp: 683
Ion Ratio Lower Upper
43 100
72 0.0 30.2 45.2#



#29
Tetrahydrofuran
Concen: 1.955 ug/l
RT: 7.565 min Scan# 954
Delta R.T. -0.271 min
Lab File: VN080394.D
Acq: 06 Dec 2023 18:20

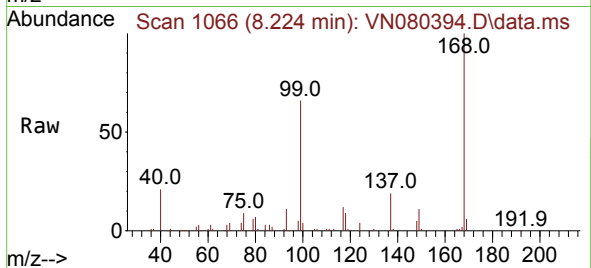
Tgt Ion: 42 Resp: 1210
Ion Ratio Lower Upper
42 100
72 0.0 49.8 74.6#
71 0.0 47.4 71.2#



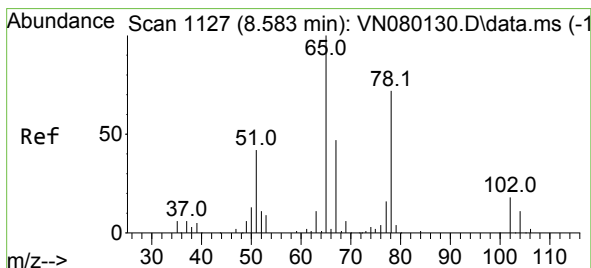
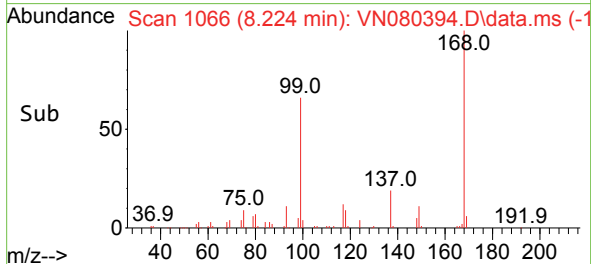
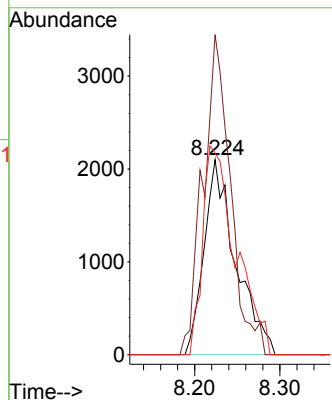


#31
Cyclohexane
Concen: 1.729 ug/l
RT: 8.224 min Scan# 1066
Delta R.T. -0.035 min
Lab File: VN080394.D
Acq: 06 Dec 2023 18:20

Instrument :
MSVOA_N
ClientSampleId :

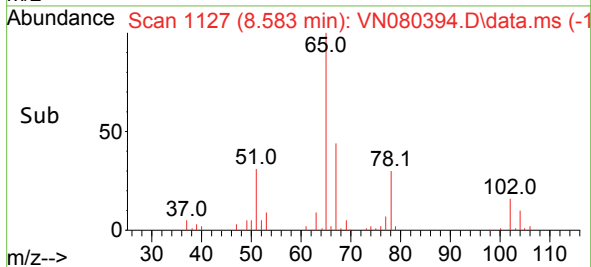
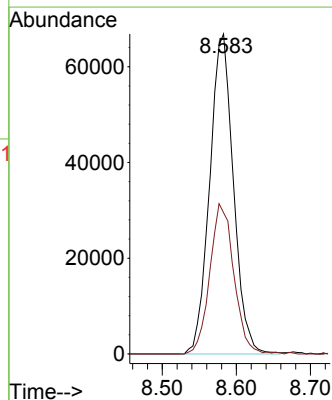
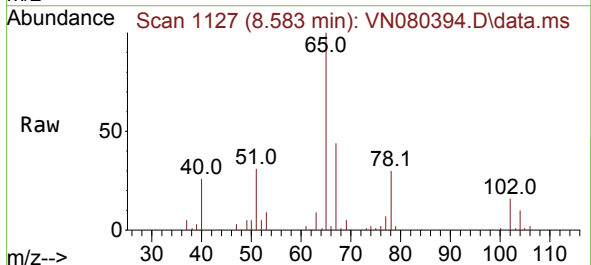


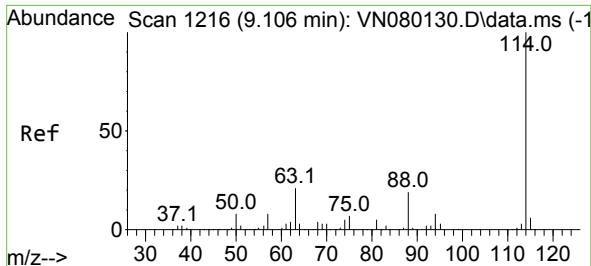
Tgt Ion: 56 Resp: 5432
Ion Ratio Lower Upper
56 100
69 164.1 26.8 40.2#
84 103.4 81.8 122.6



#33
1,2-Dichloroethane-d4
Concen: 51.452 ug/l
RT: 8.583 min Scan# 1127
Delta R.T. -0.000 min
Lab File: VN080394.D
Acq: 06 Dec 2023 18:20

Tgt Ion: 65 Resp: 148666
Ion Ratio Lower Upper
65 100
67 47.6 0.0 106.6





#34

1,4-Difluorobenzene

Concen: 50.000 ug/l

RT: 9.106 min Scan# 1

Delta R.T. -0.000 min

Lab File: VN080394.D

Acq: 06 Dec 2023 18:20

Instrument :

MSVOA_N

ClientSampleId :

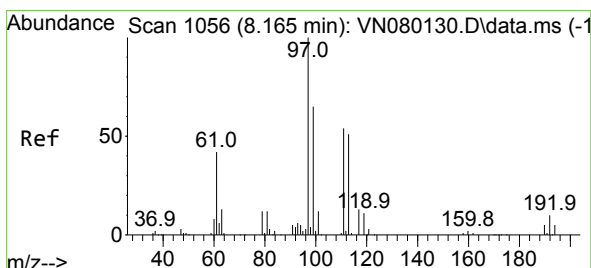
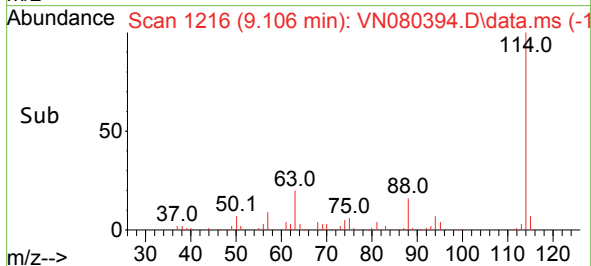
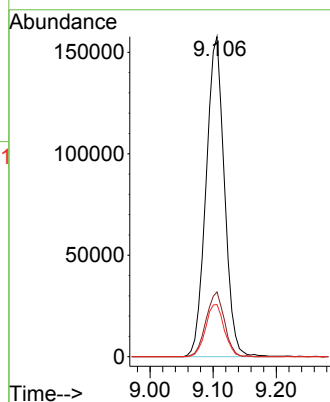
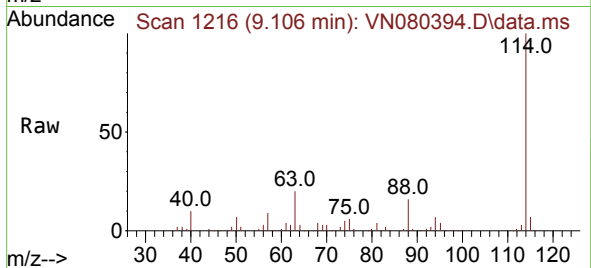
Tgt Ion:114 Resp: 317507

Ion Ratio Lower Upper

114 100

63 20.2 0.0 36.4

88 16.3 0.0 30.6



#35

Dibromofluoromethane

Concen: 51.330 ug/l

RT: 8.165 min Scan# 1056

Delta R.T. -0.000 min

Lab File: VN080394.D

Acq: 06 Dec 2023 18:20

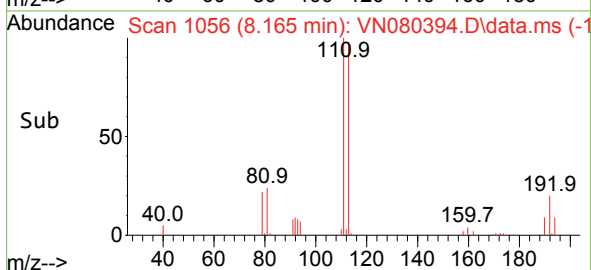
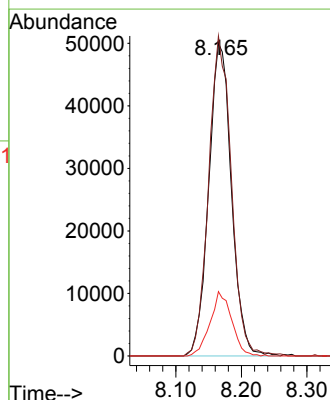
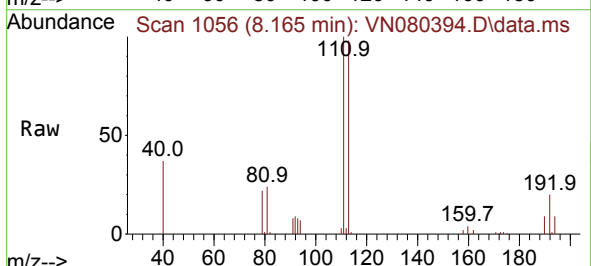
Tgt Ion:113 Resp: 120256

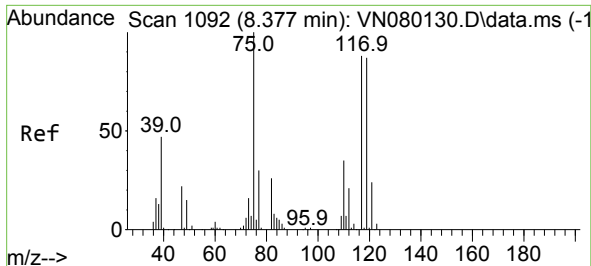
Ion Ratio Lower Upper

113 100

111 102.5 82.6 123.8

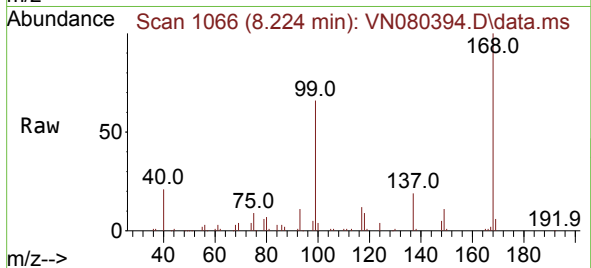
192 19.6 12.7 19.1#



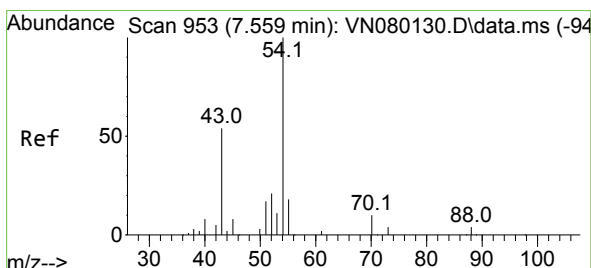
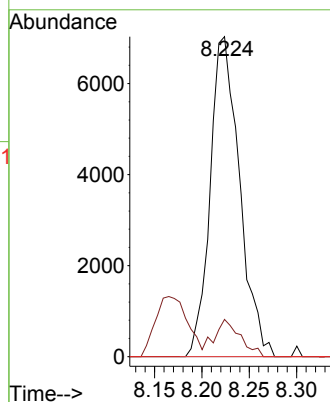
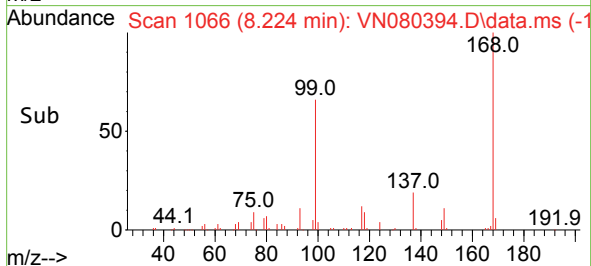


#36
 1,1-Dichloropropene
 Concen: 4.473 ug/l
 RT: 8.224 min Scan# 1092
 Delta R.T. -0.153 min
 Lab File: VN080394.D
 Acq: 06 Dec 2023 18:20

Instrument :
 MSVOA_N
 ClientSampleId :

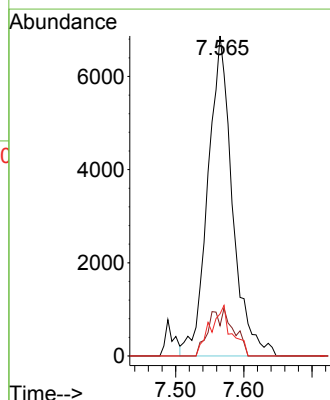
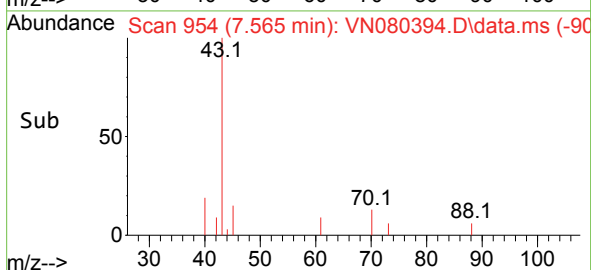
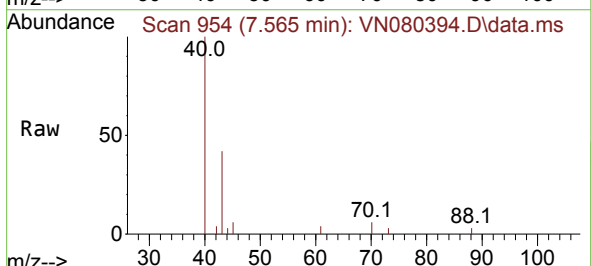


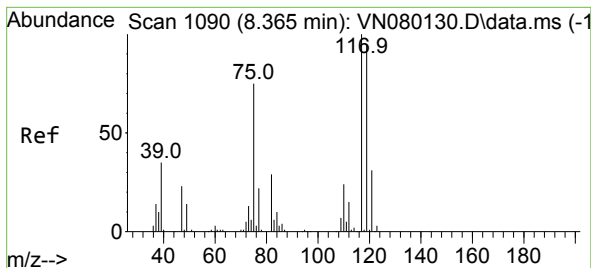
Tgt Ion: 75 Resp: 15171
 Ion Ratio Lower Upper
 75 100
 110 10.2 19.1 57.3#
 77 0.0 25.0 37.4#



#37
 Ethyl Acetate
 Concen: 7.306 ug/l
 RT: 7.565 min Scan# 954
 Delta R.T. 0.006 min
 Lab File: VN080394.D
 Acq: 06 Dec 2023 18:20

Tgt Ion: 43 Resp: 17189
 Ion Ratio Lower Upper
 43 100
 61 7.5 13.2 19.8#
 70 13.6 11.3 16.9





#38

Carbon Tetrachloride

Concen: 4.868 ug/l

RT: 8.224 min Scan# 1066

Delta R.T. -0.141 min

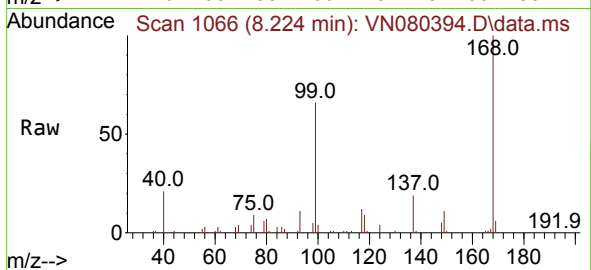
Lab File: VN080394.D

Acq: 06 Dec 2023 18:20

Instrument :

MSVOA_N

ClientSampleId :



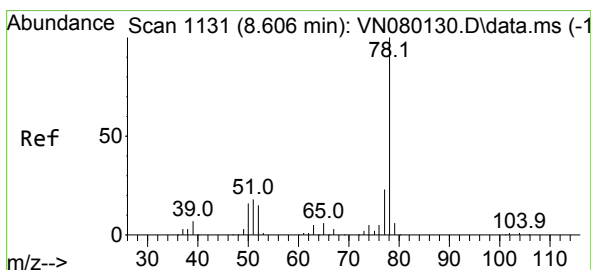
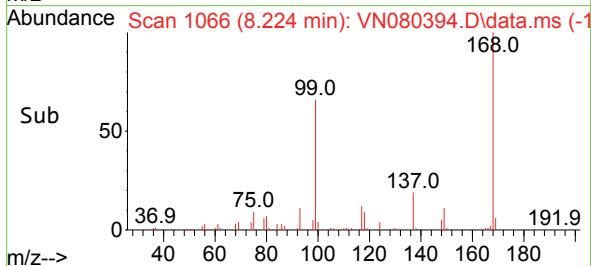
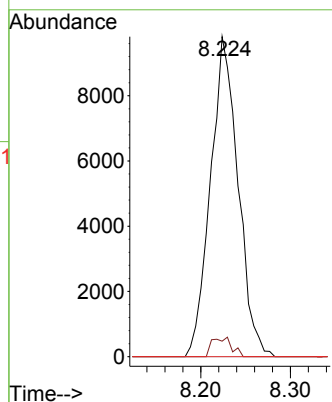
Tgt Ion:117 Resp: 20954

Ion Ratio Lower Upper

117 100

119 4.9 77.3 115.9#

121 0.0 23.3 34.9#



#40

Benzene

Concen: 20.035 ug/l

RT: 8.612 min Scan# 1132

Delta R.T. 0.006 min

Lab File: VN080394.D

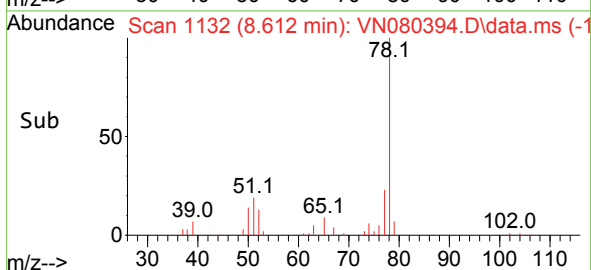
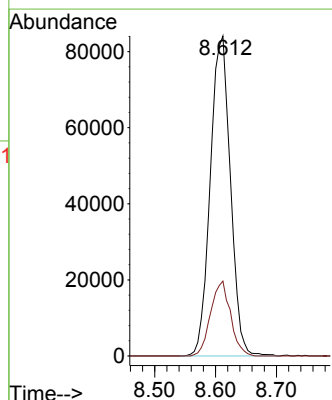
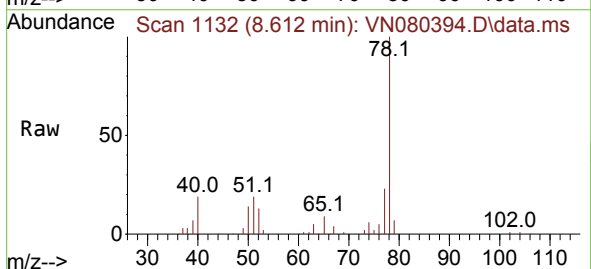
Acq: 06 Dec 2023 18:20

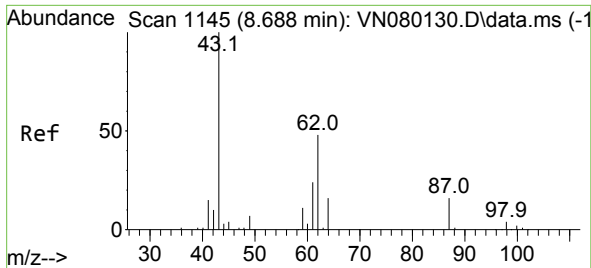
Tgt Ion: 78 Resp: 193138

Ion Ratio Lower Upper

78 100

77 23.4 19.0 28.6

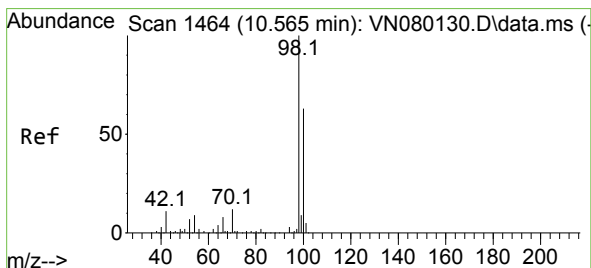
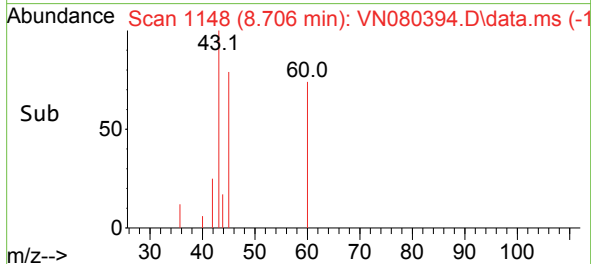
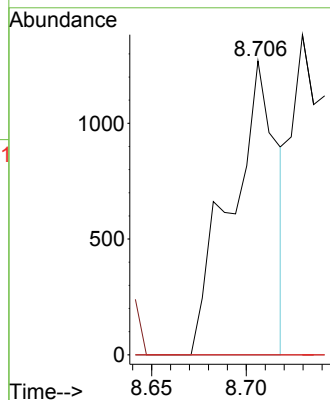
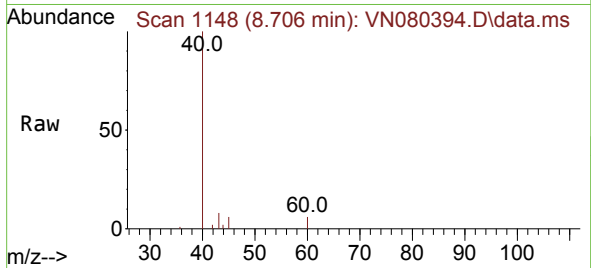




#43
Isopropyl Acetate
Concen: 0.468 ug/l
RT: 8.706 min Scan# 1148
Delta R.T. 0.018 min
Lab File: VN080394.D
Acq: 06 Dec 2023 18:20

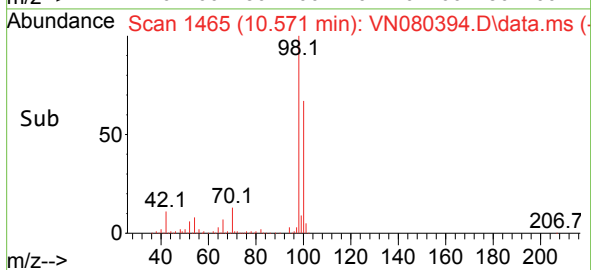
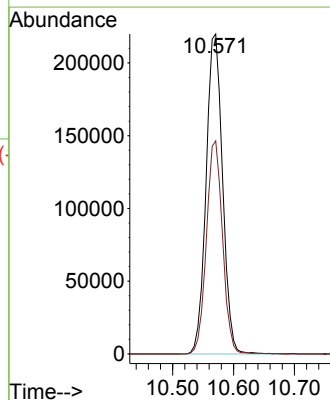
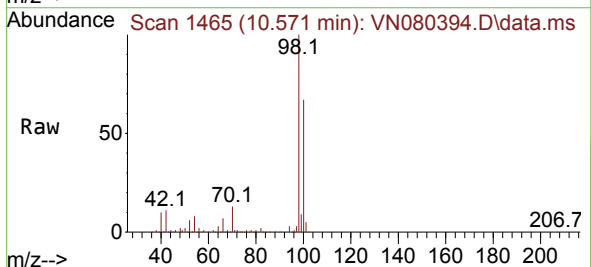
Instrument :
MSVOA_N
ClientSampleId :

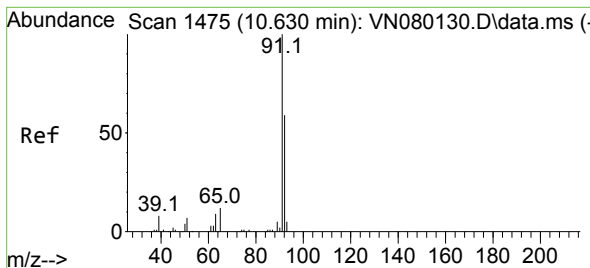
Tgt Ion: 43 Resp: 2144
Ion Ratio Lower Upper
43 100
61 0.0 24.7 37.1#
87 0.0 14.6 21.8#



#50
Toluene-d8
Concen: 48.960 ug/l
RT: 10.571 min Scan# 1465
Delta R.T. 0.006 min
Lab File: VN080394.D
Acq: 06 Dec 2023 18:20

Tgt Ion: 98 Resp: 413482
Ion Ratio Lower Upper
98 100
100 65.2 52.0 78.0





#52

Toluene

Concen: 31.023 ug/l

RT: 10.630 min Scan# 1475

Delta R.T. -0.000 min

Lab File: VN080394.D

Acq: 06 Dec 2023 18:20

Instrument :

MSVOA_N

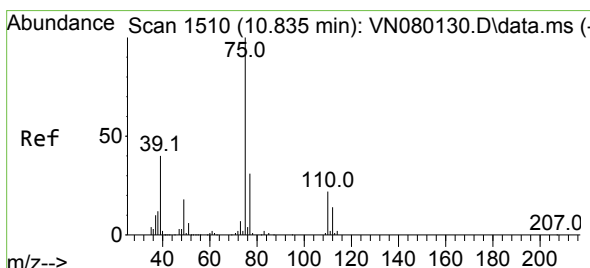
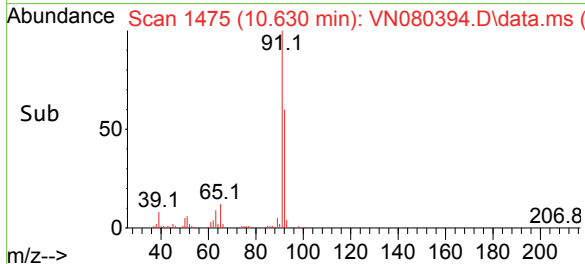
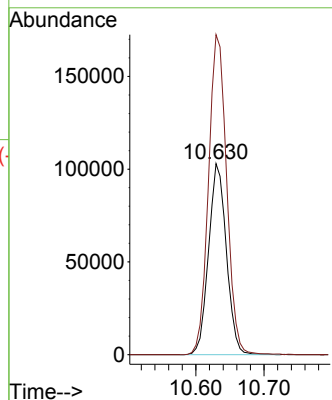
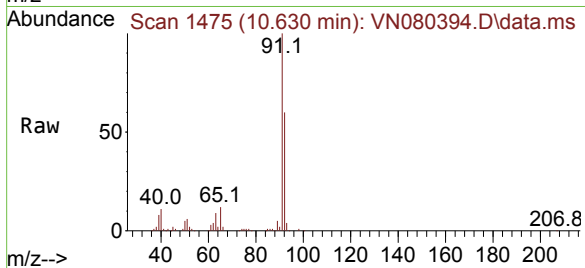
ClientSampleId :

Tgt Ion: 92 Resp: 187161

Ion Ratio Lower Upper

92 100

91 170.9 137.4 206.0



#53

t-1,3-Dichloropropene

Concen: 0.678 ug/l

RT: 10.618 min Scan# 1473

Delta R.T. -0.218 min

Lab File: VN080394.D

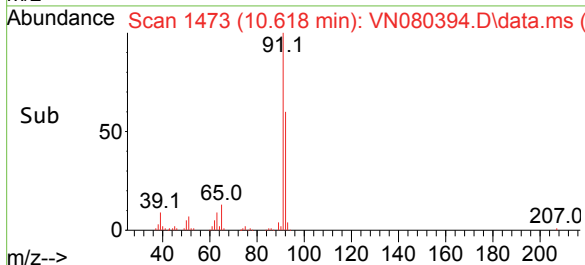
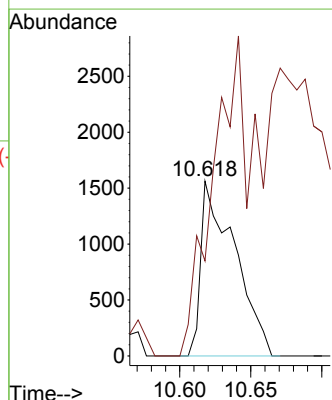
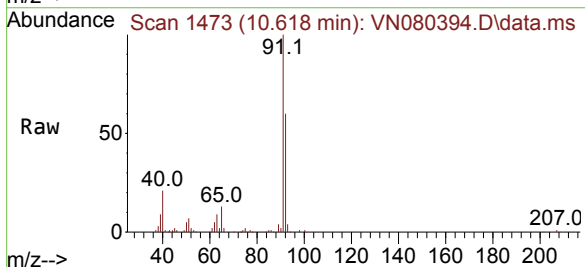
Acq: 06 Dec 2023 18:20

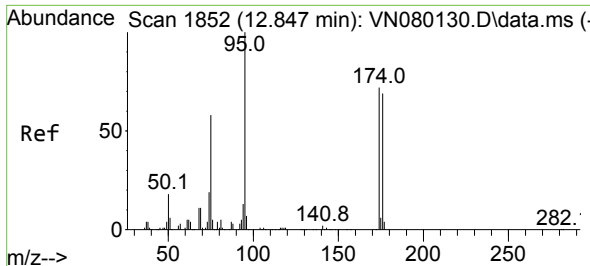
Tgt Ion: 75 Resp: 2597

Ion Ratio Lower Upper

75 100

77 54.4 25.4 38.0#

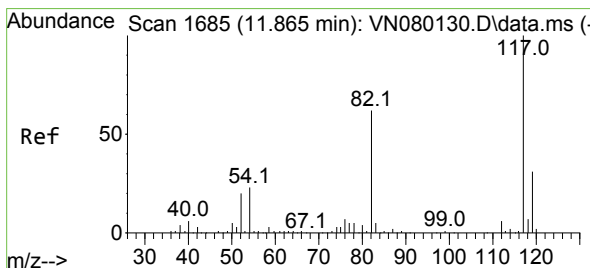
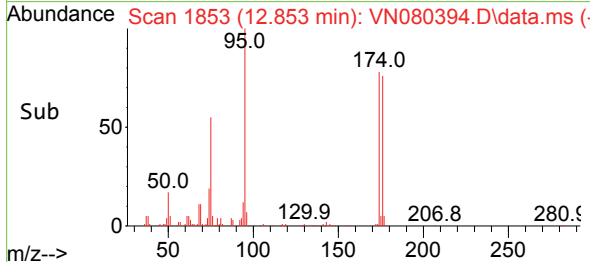
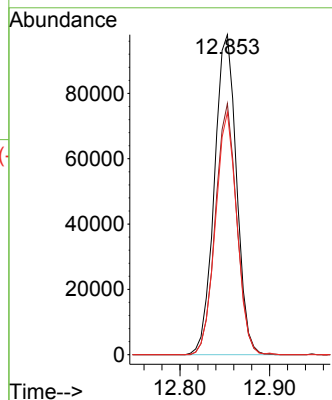
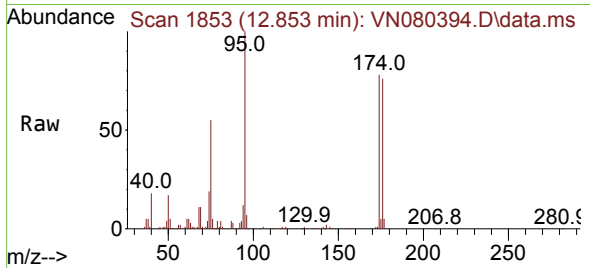




#62
4-Bromofluorobenzene
Concen: 52.550 ug/l
RT: 12.853 min Scan# 1853
Delta R.T. 0.006 min
Lab File: VN080394.D
Acq: 06 Dec 2023 18:20

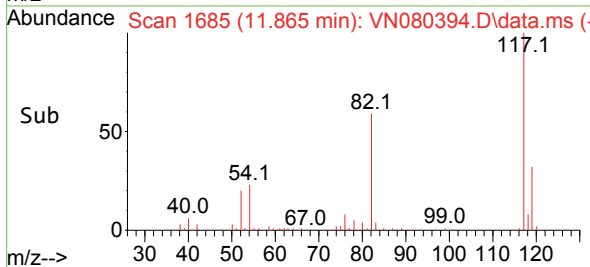
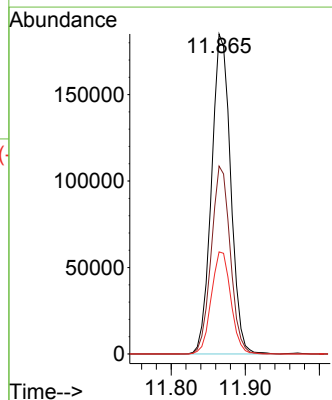
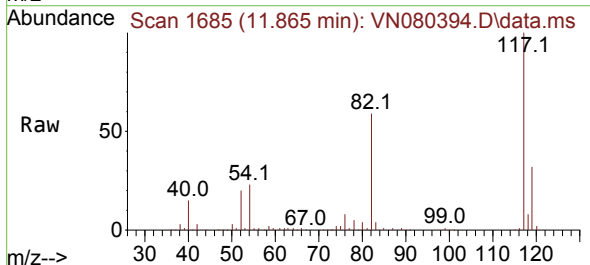
Instrument :
MSVOA_N
ClientSampleId :

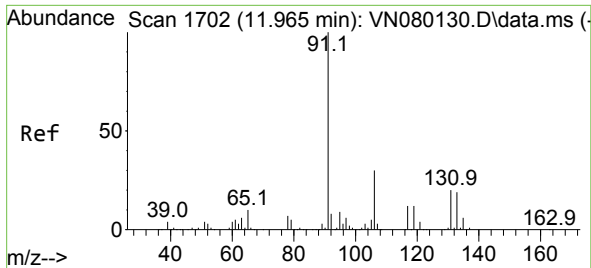
Tgt Ion: 95 Resp: 167629
Ion Ratio Lower Upper
95 100
174 75.7 0.0 143.8
176 73.5 0.0 135.8



#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.865 min Scan# 1685
Delta R.T. -0.000 min
Lab File: VN080394.D
Acq: 06 Dec 2023 18:20

Tgt Ion: 117 Resp: 331779
Ion Ratio Lower Upper
117 100
82 58.7 44.0 66.0
119 31.9 25.6 38.4

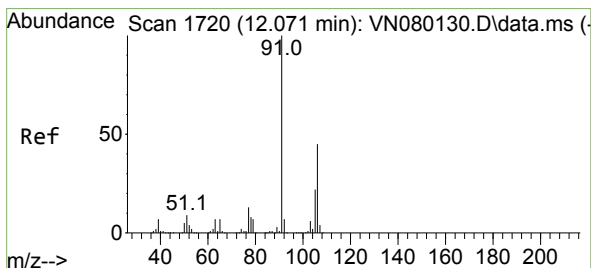
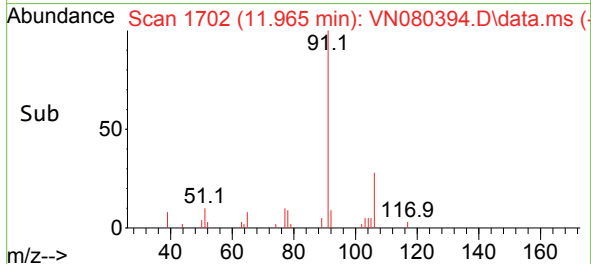
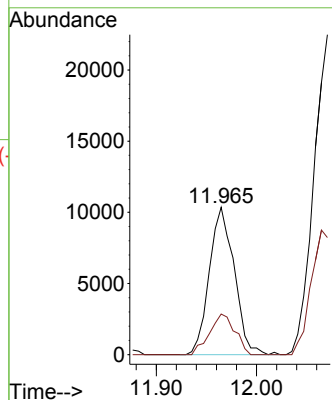
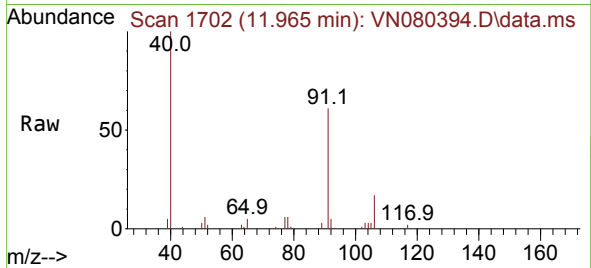




#67
Ethyl Benzene
Concen: 1.339 ug/l
RT: 11.965 min Scan# 1702
Delta R.T. -0.000 min
Lab File: VN080394.D
Acq: 06 Dec 2023 18:20

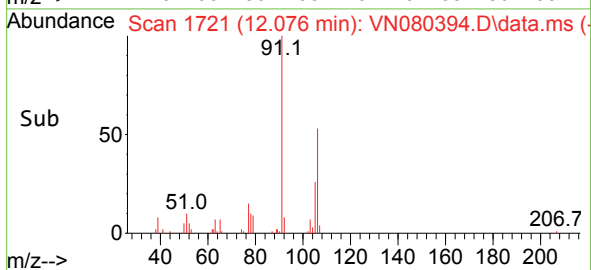
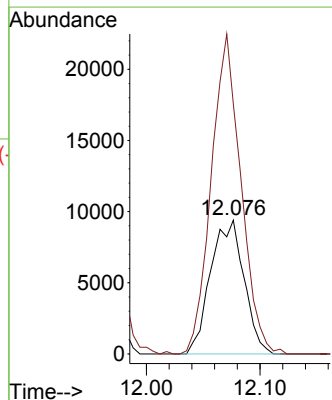
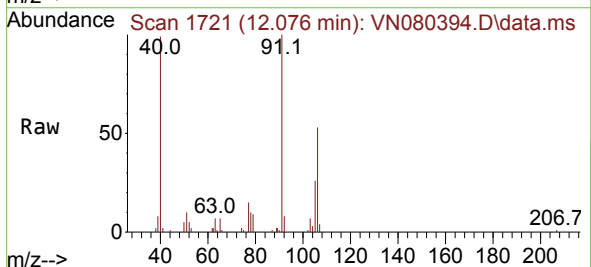
Instrument :
MSVOA_N
ClientSampleId :

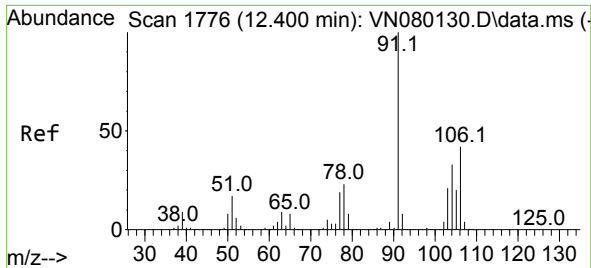
Tgt Ion: 91 Resp: 17919
Ion Ratio Lower Upper
91 100
106 27.5 25.6 38.4



#68
m/p-Xylenes
Concen: 3.944 ug/l
RT: 12.076 min Scan# 1721
Delta R.T. 0.006 min
Lab File: VN080394.D
Acq: 06 Dec 2023 18:20

Tgt Ion:106 Resp: 19236
Ion Ratio Lower Upper
106 100
91 212.1 159.6 239.4

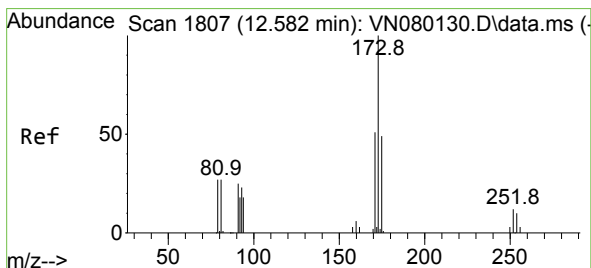
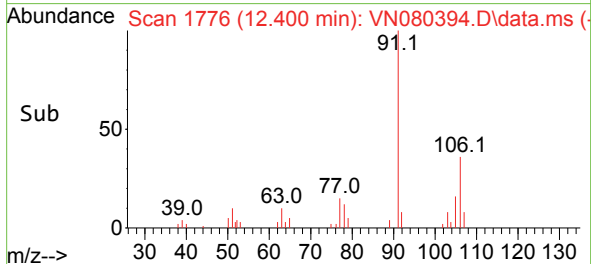
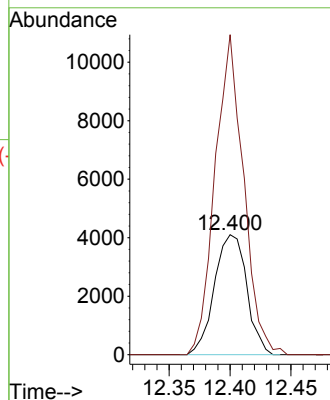
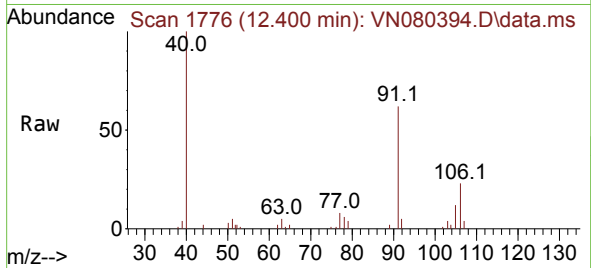




#69
o-Xylene
Concen: 1.645 ug/l
RT: 12.400 min Scan# 11
Delta R.T. -0.000 min
Lab File: VN080394.D
Acq: 06 Dec 2023 18:20

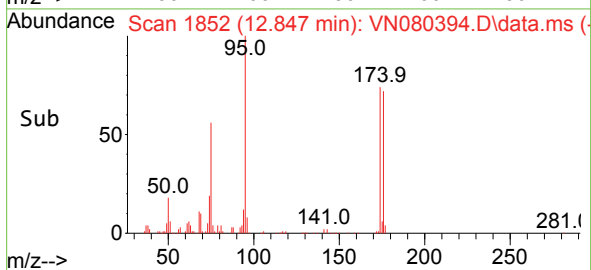
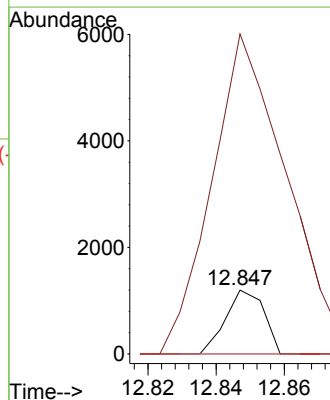
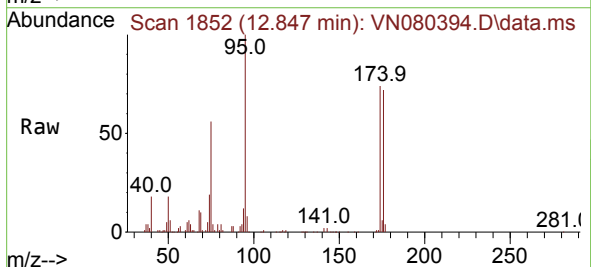
Instrument :
MSVOA_N
ClientSampleId :

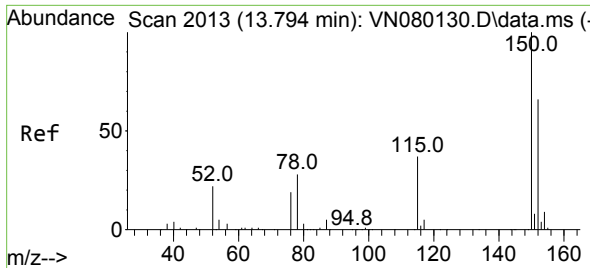
Tgt Ion:106 Resp: 7560
Ion Ratio Lower Upper
106 100
91 235.8 105.2 315.5



#71
Bromoform
Concen: 0.434 ug/l
RT: 12.847 min Scan# 1852
Delta R.T. 0.265 min
Lab File: VN080394.D
Acq: 06 Dec 2023 18:20

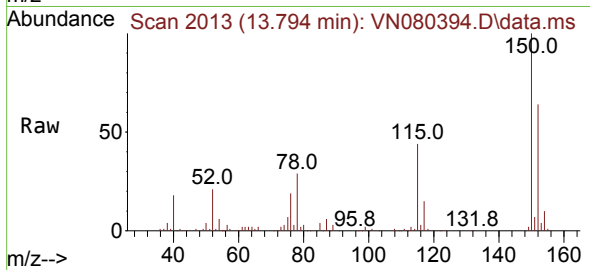
Tgt Ion:173 Resp: 940
Ion Ratio Lower Upper
173 100
175 812.9 24.3 73.0#
254 0.0 0.0 0.0



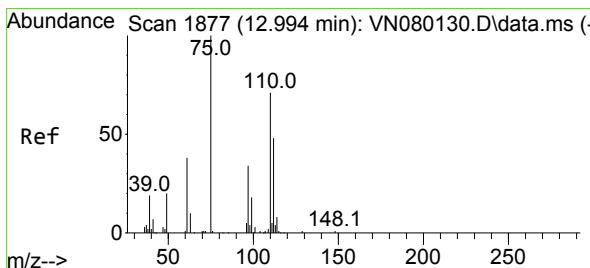
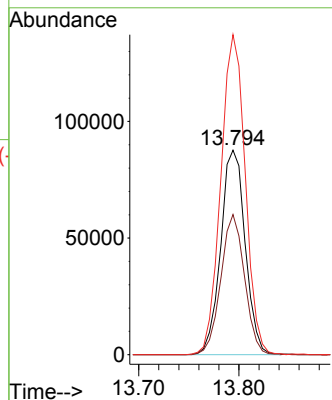
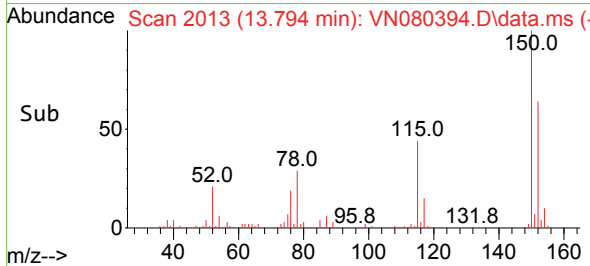


#72
 1,4-Dichlorobenzene-d4
 Concen: 50.000 ug/l
 RT: 13.794 min Scan# 20
 Delta R.T. -0.000 min
 Lab File: VN080394.D
 Acq: 06 Dec 2023 18:20

Instrument :
 MSVOA_N
 ClientSampleId :

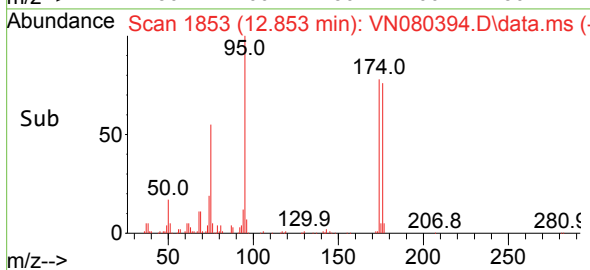
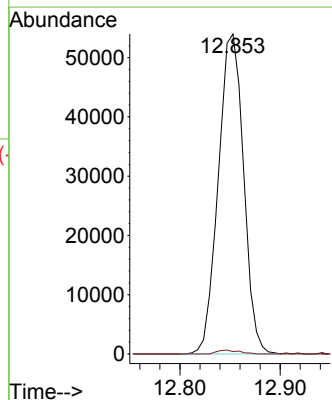
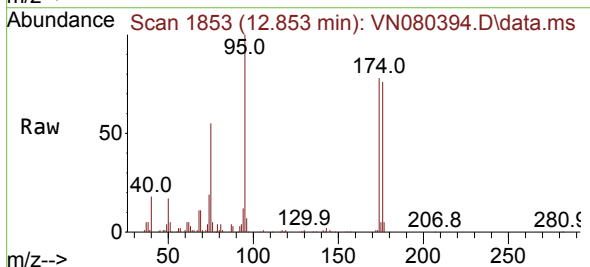


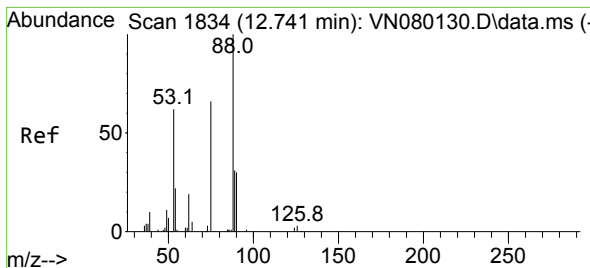
Tgt Ion:152 Resp: 148606
 Ion Ratio Lower Upper
 152 100
 115 66.5 32.3 96.8
 150 156.1 0.0 355.8



#76
 1,2,3-Trichloropropane
 Concen: 25.973 ug/l
 RT: 12.853 min Scan# 1853
 Delta R.T. -0.141 min
 Lab File: VN080394.D
 Acq: 06 Dec 2023 18:20

Tgt Ion: 75 Resp: 94572
 Ion Ratio Lower Upper
 75 100
 77 1.1 84.5 253.5#

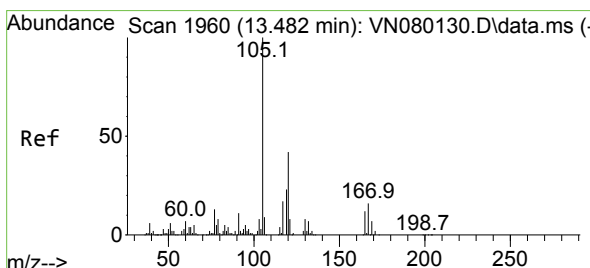
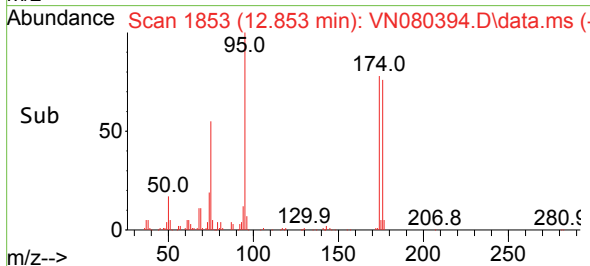
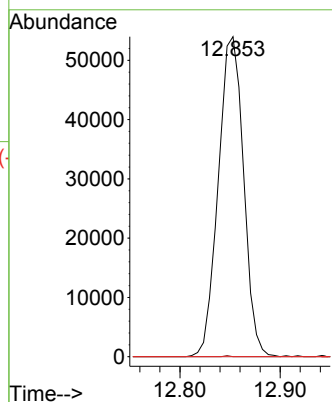
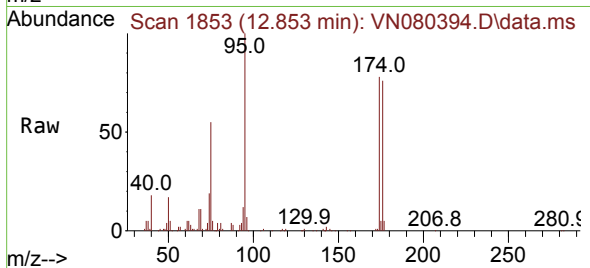




#81
 trans-1,4-Dichloro-2-butene
 Concen: 87.754 ug/l
 RT: 12.853 min Scan# 1853
 Delta R.T. 0.112 min
 Lab File: VN080394.D
 Acq: 06 Dec 2023 18:20

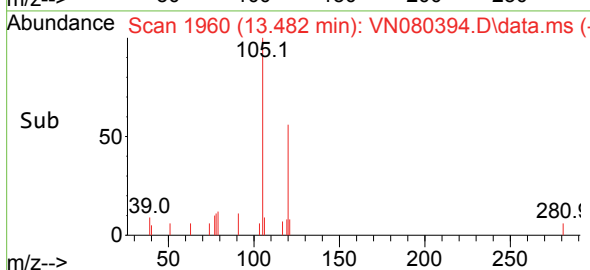
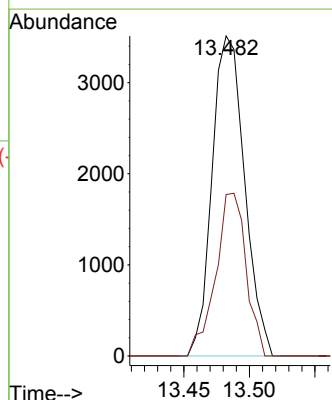
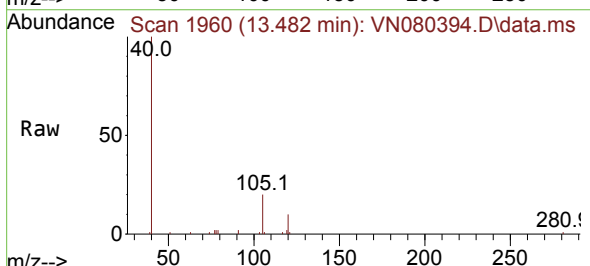
Instrument :
 MSVOA_N
 ClientSampleId :

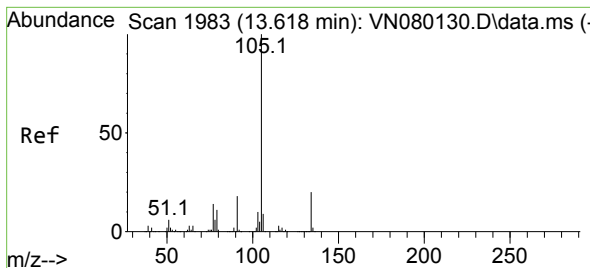
Tgt Ion: 75 Resp: 94572
 Ion Ratio Lower Upper
 75 100
 53 0.1 67.4 101.2#
 89 0.0 38.8 58.2#



#84
 1,2,4-Trimethylbenzene
 Concen: 0.611 ug/l
 RT: 13.482 min Scan# 1960
 Delta R.T. -0.000 min
 Lab File: VN080394.D
 Acq: 06 Dec 2023 18:20

Tgt Ion: 105 Resp: 6051
 Ion Ratio Lower Upper
 105 100
 120 47.5 22.0 66.0





#85

sec-Butylbenzene

Concen: 0.593 ug/l

RT: 13.482 min Scan# 1960

Delta R.T. -0.135 min

Lab File: VN080394.D

Acq: 06 Dec 2023 18:20

Instrument :

MSVOA_N

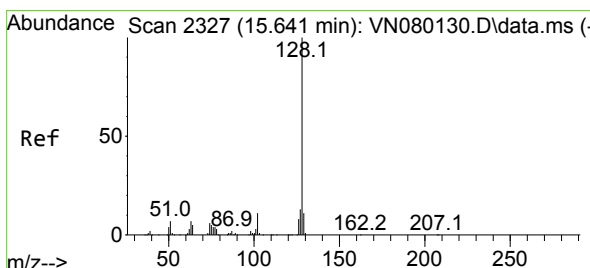
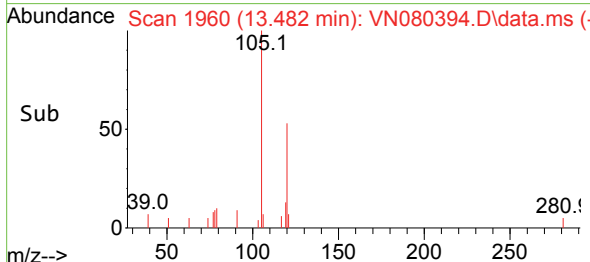
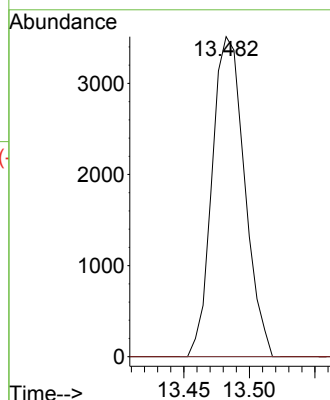
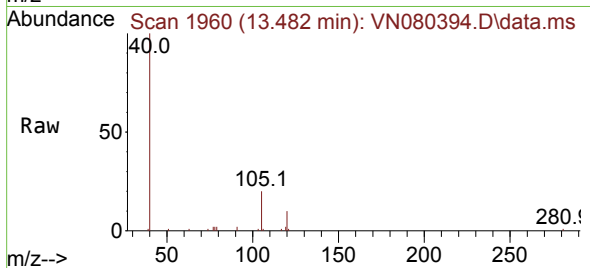
ClientSampleId :

Tgt Ion:105 Resp: 6051

Ion Ratio Lower Upper

105 100

134 0.0 9.8 29.3#



#95

Naphthalene

Concen: 0.999 ug/l

RT: 15.641 min Scan# 2327

Delta R.T. -0.000 min

Lab File: VN080394.D

Acq: 06 Dec 2023 18:20

Tgt Ion:128 Resp: 8457

Ion Ratio Lower Upper

128 100

127 15.8 10.0 15.0#

129 10.3 8.7 13.1

