

Data Path : Z:\voasrv\HPCHEM1\MSVOA_N\Data\VN120623\
 Data File : VN080395.D
 Acq On : 06 Dec 2023 18:44
 Operator : JC\MD
 Sample : 05650-02 50X
 Misc : 5.0mL/MSVOA_N/WATER
 ALS Vial : 21 Sample Multiplier: 1

Instrument :
 MSVOA_N
 ClientSampleId :

Quant Time: Dec 07 01:05:27 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)

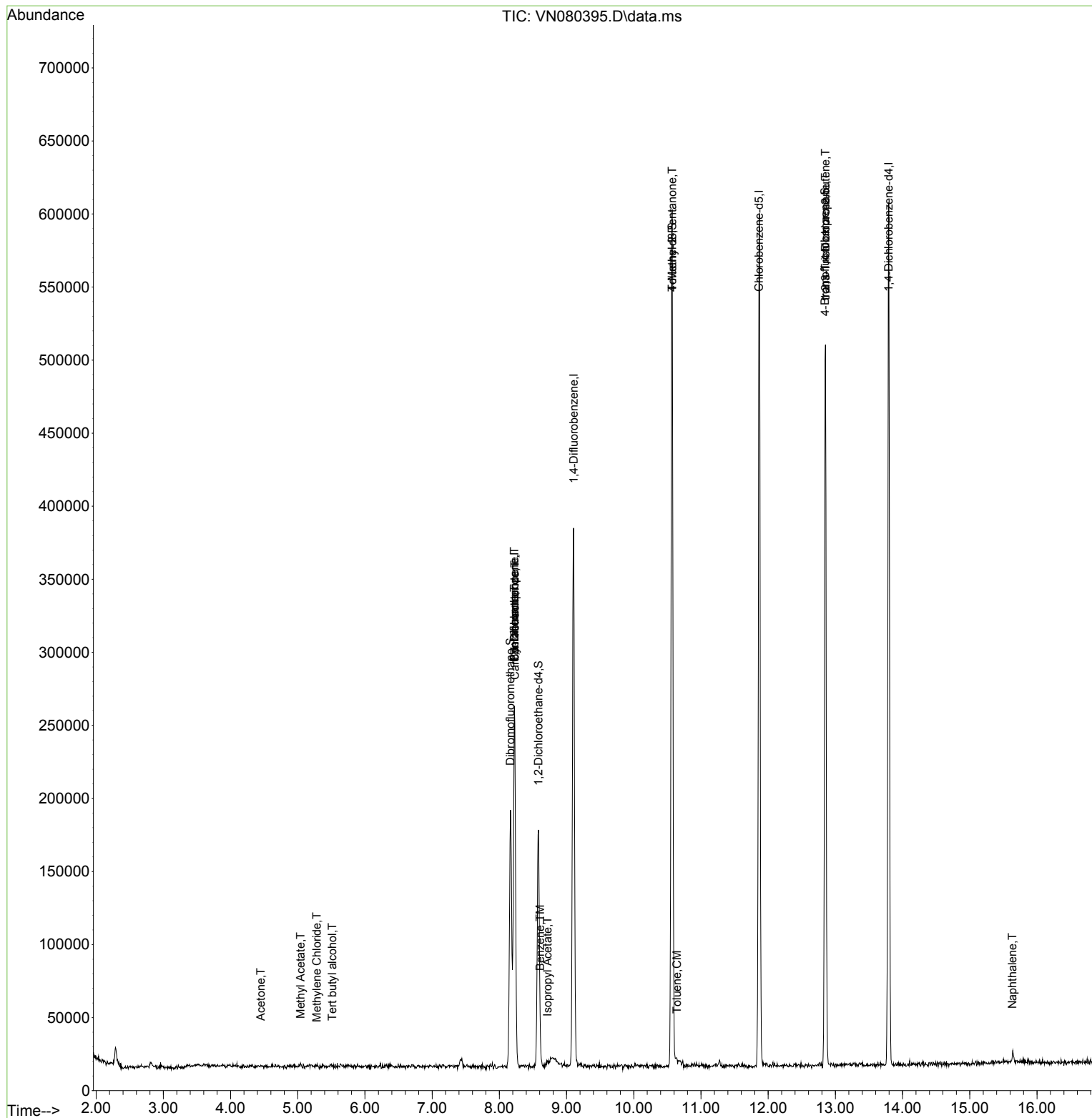
Internal Standards						
1) Pentafluorobenzene	8.224	168	170527	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	9.106	114	316572	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.865	117	341703	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.794	152	155951	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.582	65	149874	53.229	ug/l	0.00
Spiked Amount	50.000	Range	74 - 125	Recovery	= 106.460%	
35) Dibromofluoromethane	8.165	113	121915	52.192	ug/l	0.00
Spiked Amount	50.000	Range	75 - 124	Recovery	= 104.380%	
50) Toluene-d8	10.571	98	419962	49.874	ug/l	0.00
Spiked Amount	50.000	Range	86 - 113	Recovery	= 99.740%	
62) 4-Bromofluorobenzene	12.847	95	169117	53.173	ug/l	0.00
Spiked Amount	50.000	Range	83 - 123	Recovery	= 106.340%	
Target Compounds						
					Qvalue	
6) Chloroethane	3.136	64	183	Below Cal	#	43
11) Tert butyl alcohol	5.512	59	127	0.410	ug/l #	72
16) Acetone	4.447	43	477	0.504	ug/l #	40
18) Methyl Acetate	5.041	43	1902	0.626	ug/l #	72
20) Methylene Chloride	5.283	84	629	0.318	ug/l #	66
31) Cyclohexane	8.224	56	3597	1.175	ug/l #	20
36) 1,1-Dichloropropene	8.224	75	14291	4.226	ug/l #	50
38) Carbon Tetrachloride	8.230	117	19672	4.584	ug/l #	14
40) Benzene	8.606	78	1957	0.204	ug/l #	67
43) Isopropyl Acetate	8.718	43	2593	0.568	ug/l #	49
51) 4-Methyl-2-Pentanone	10.571	43	1597	0.676	ug/l #	1
52) Toluene	10.641	92	2510	0.417	ug/l	86
76) 1,2,3-Trichloropropane	12.853	75	95667	25.037	ug/l #	1
81) trans-1,4-Dichloro-2-b...	12.853	75	95667	84.589	ug/l #	15
95) Naphthalene	15.635	128	6285	0.707	ug/l	98

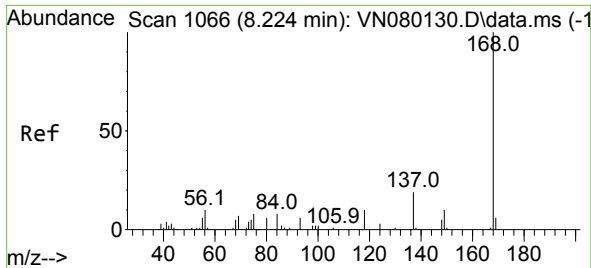
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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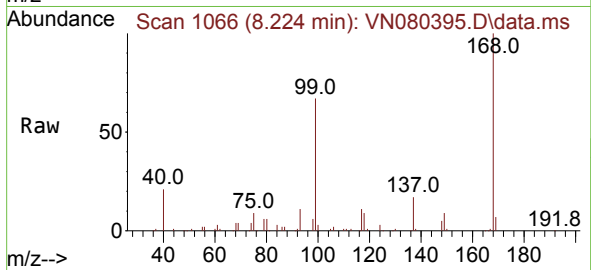
Quant Time: Dec 07 01:05:27 2023
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_N\methods\82N111623W.M
Quant Title : SW846 8260
QLast Update : Fri Nov 17 01:19:32 2023
Response via : Initial Calibration



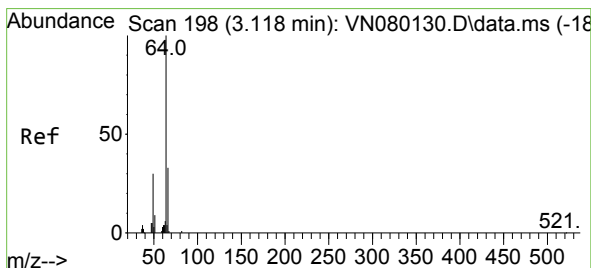
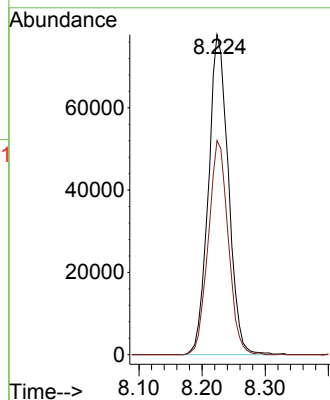
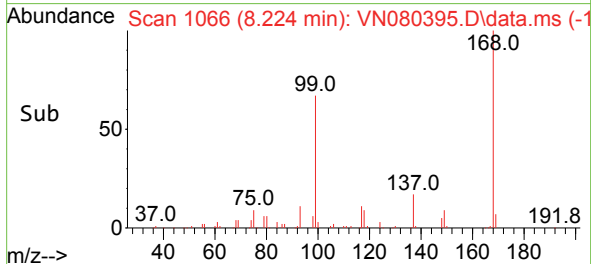


#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 8.224 min Scan# 1066
Delta R.T. -0.000 min
Lab File: VN080395.D
Acq: 06 Dec 2023 18:44

Instrument :
MSVOA_N
ClientSampleId :

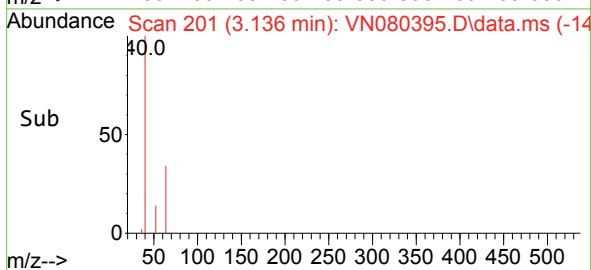
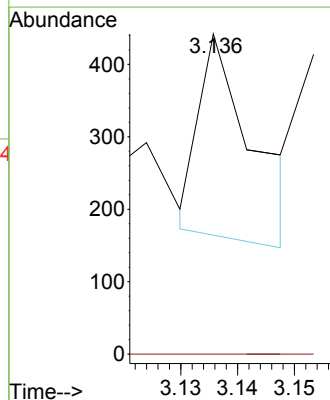
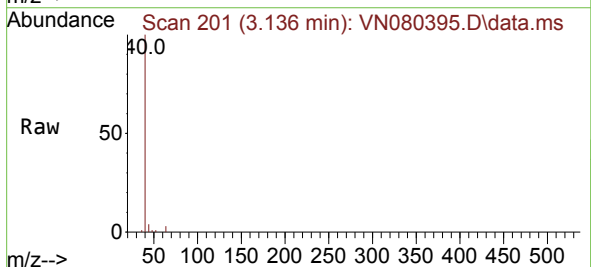


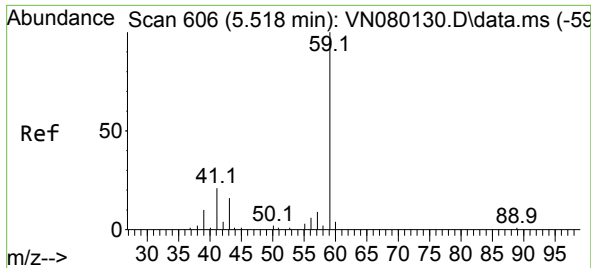
Tgt Ion:168 Resp: 170527
Ion Ratio Lower Upper
168 100
99 66.9 53.0 79.6



#6
Chloroethane
Concen: Below Cal
RT: 3.136 min Scan# 201
Delta R.T. 0.018 min
Lab File: VN080395.D
Acq: 06 Dec 2023 18:44

Tgt Ion: 64 Resp: 183
Ion Ratio Lower Upper
64 100
66 0.0 25.4 38.2#

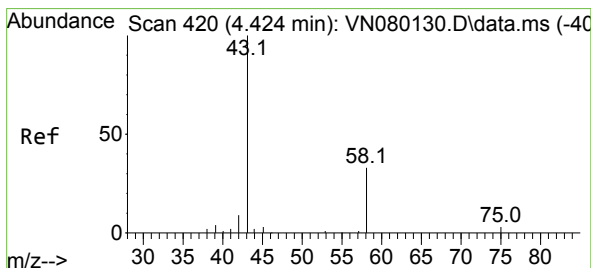
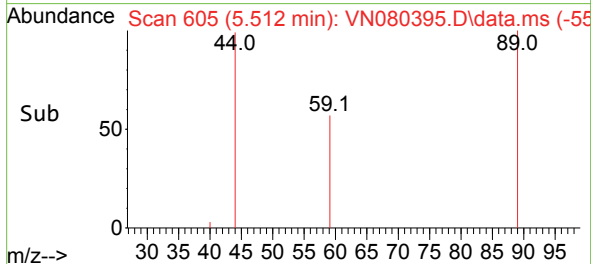
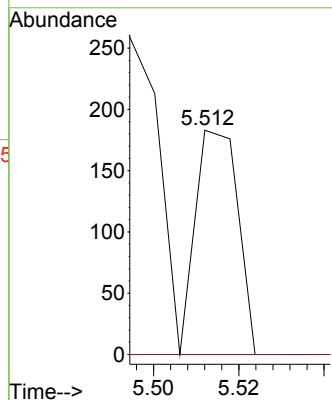
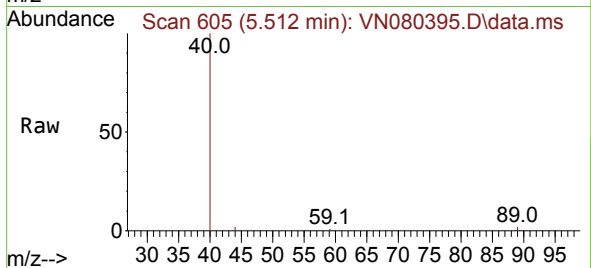




#11
Tert butyl alcohol
Concen: 0.410 ug/l
RT: 5.512 min Scan# 606
Delta R.T. -0.006 min
Lab File: VN080395.D
Acq: 06 Dec 2023 18:44

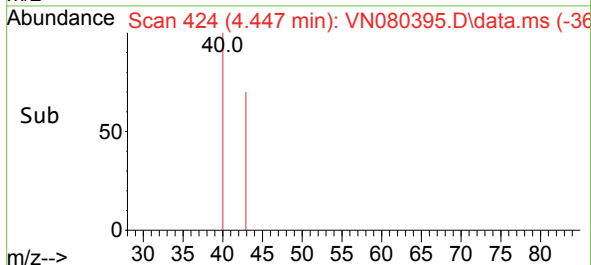
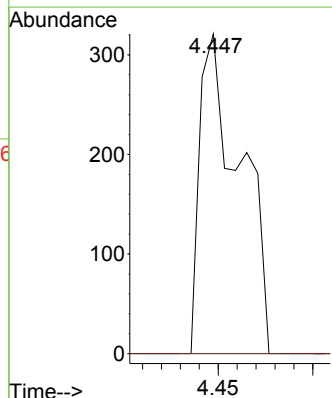
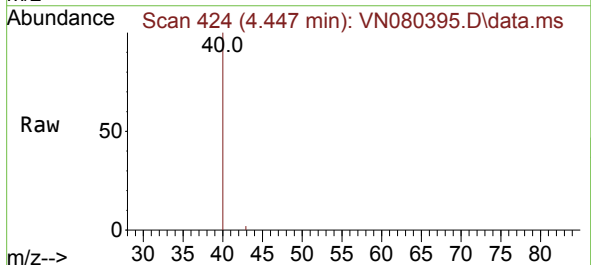
Instrument :
MSVOA_N
ClientSampleId :

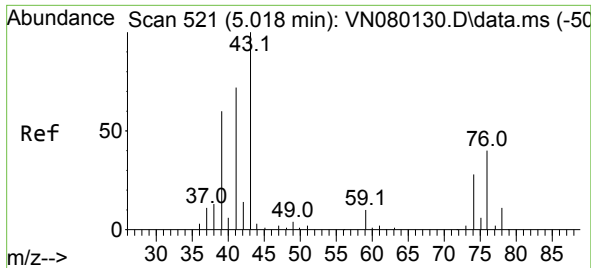
Tgt Ion: 59 Resp: 127
Ion Ratio Lower Upper
59 100
57 0.0 8.2 12.4#



#16
Acetone
Concen: 0.504 ug/l
RT: 4.447 min Scan# 424
Delta R.T. 0.023 min
Lab File: VN080395.D
Acq: 06 Dec 2023 18:44

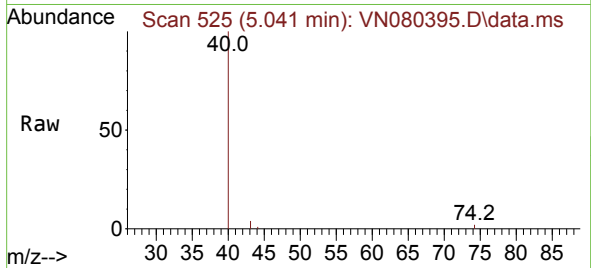
Tgt Ion: 43 Resp: 477
Ion Ratio Lower Upper
43 100
58 0.0 28.0 42.0#



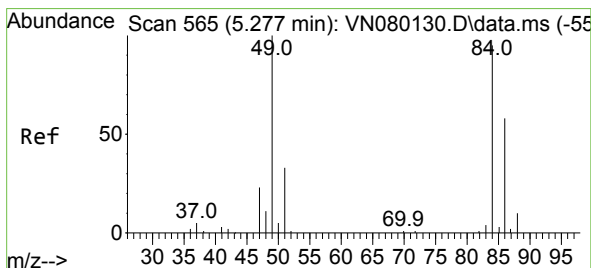
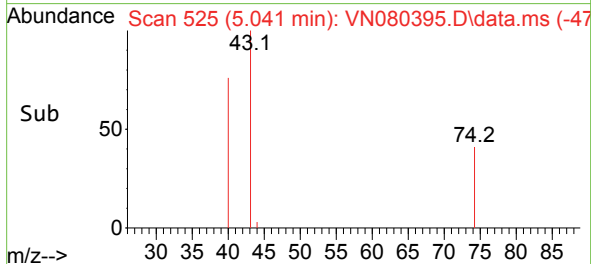
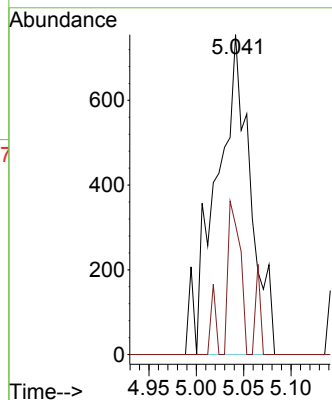


#18
Methyl Acetate
Concen: 0.626 ug/l
RT: 5.041 min Scan# 51
Delta R.T. 0.023 min
Lab File: VN080395.D
Acq: 06 Dec 2023 18:44

Instrument :
MSVOA_N
ClientSampleId :

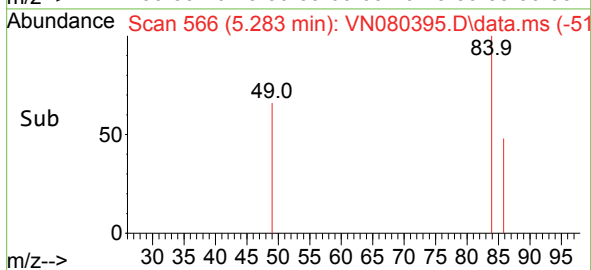
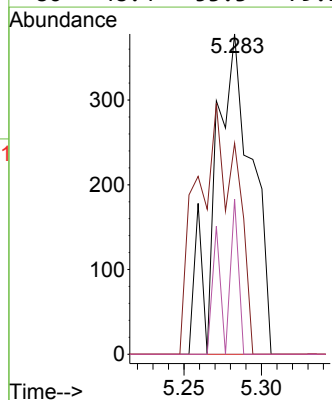
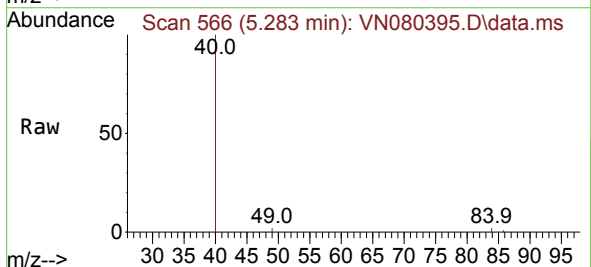


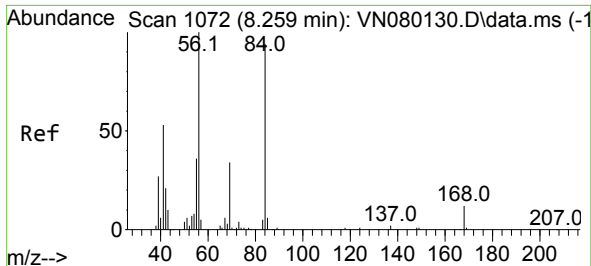
Tgt Ion: 43 Resp: 1902
Ion Ratio Lower Upper
43 100
74 16.9 26.2 39.4#



#20
Methylene Chloride
Concen: 0.318 ug/l
RT: 5.283 min Scan# 566
Delta R.T. 0.006 min
Lab File: VN080395.D
Acq: 06 Dec 2023 18:44

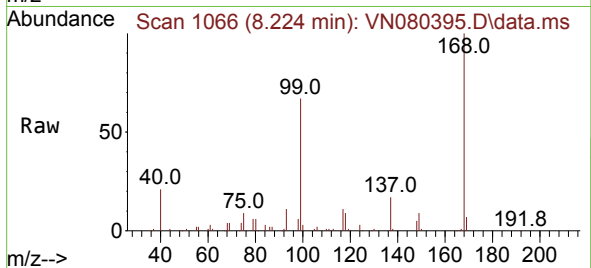
Tgt Ion: 84 Resp: 629
Ion Ratio Lower Upper
84 100
49 65.9 79.7 119.5#
51 0.0 25.2 37.8#
86 48.4 53.3 79.9#



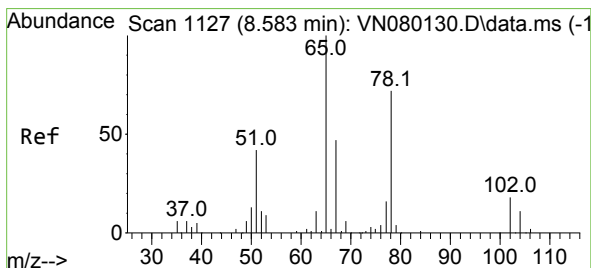
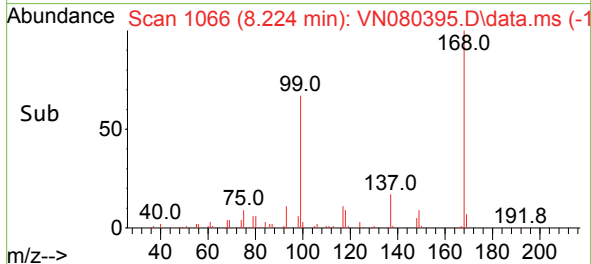
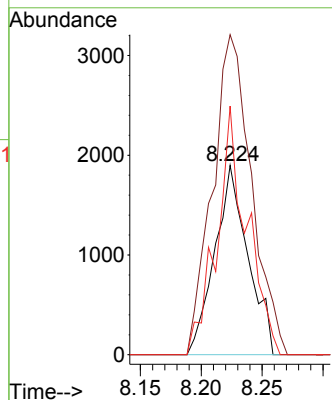


#31
Cyclohexane
Concen: 1.175 ug/l
RT: 8.224 min Scan# 1066
Delta R.T. -0.035 min
Lab File: VN080395.D
Acq: 06 Dec 2023 18:44

Instrument :
MSVOA_N
ClientSampleId :

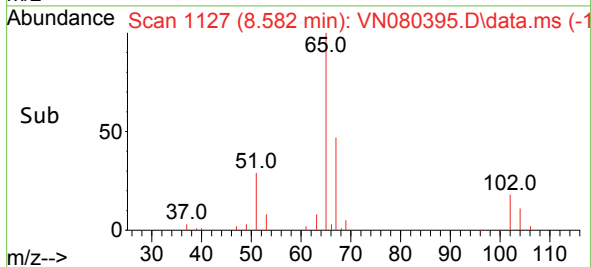
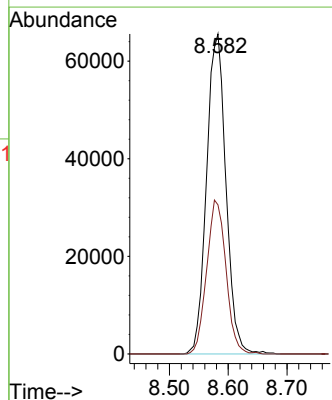
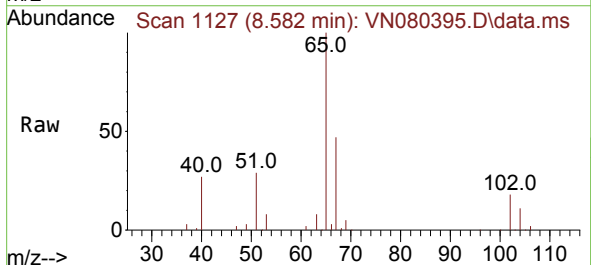


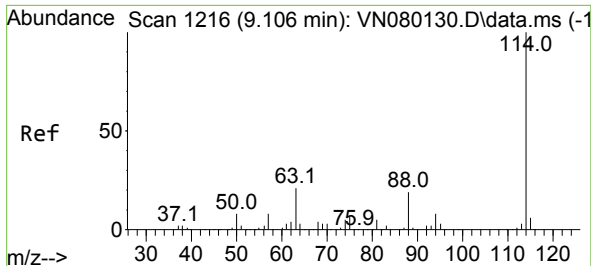
Tgt Ion: 56 Resp: 3597
Ion Ratio Lower Upper
56 100
69 169.1 26.8 40.2#
84 131.3 81.8 122.6#



#33
1,2-Dichloroethane-d4
Concen: 53.229 ug/l
RT: 8.582 min Scan# 1127
Delta R.T. -0.000 min
Lab File: VN080395.D
Acq: 06 Dec 2023 18:44

Tgt Ion: 65 Resp: 149874
Ion Ratio Lower Upper
65 100
67 48.0 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: VN080395.D

Acq: 06 Dec 2023 18:44

Instrument :

MSVOA_N

ClientSampleId :

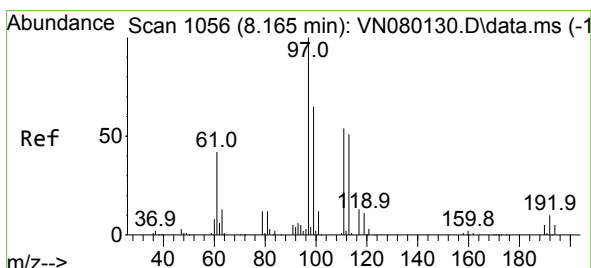
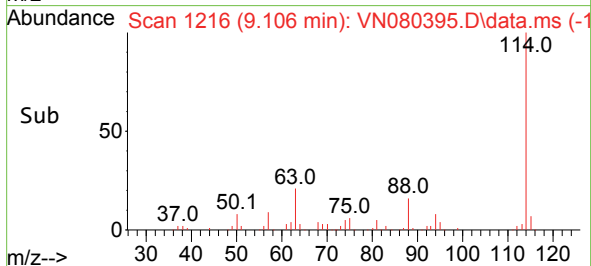
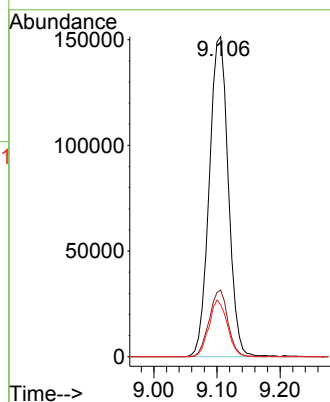
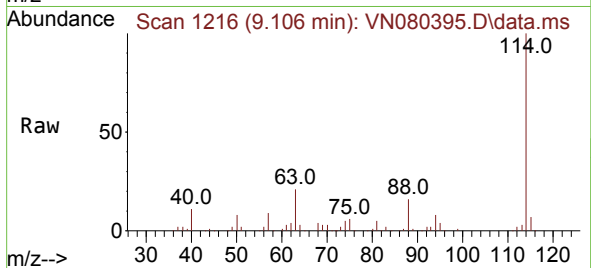
Tgt Ion:114 Resp: 316572

Ion Ratio Lower Upper

114 100

63 20.9 0.0 36.4

88 16.2 0.0 30.6



#35

Dibromofluoromethane

Concen: 52.192 ug/l

RT: 8.165 min Scan# 1056

Delta R.T. -0.000 min

Lab File: VN080395.D

Acq: 06 Dec 2023 18:44

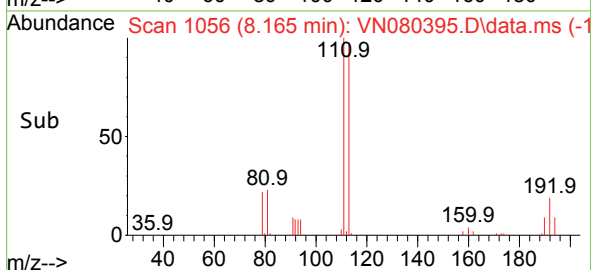
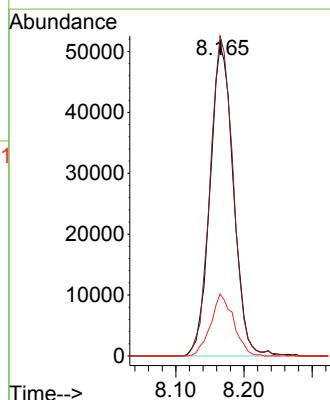
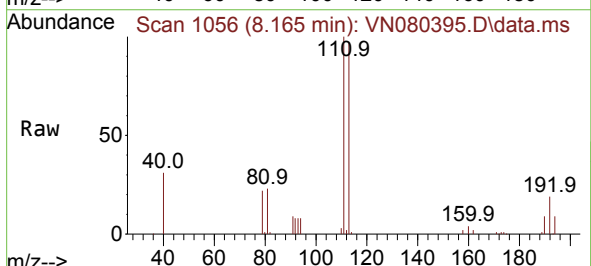
Tgt Ion:113 Resp: 121915

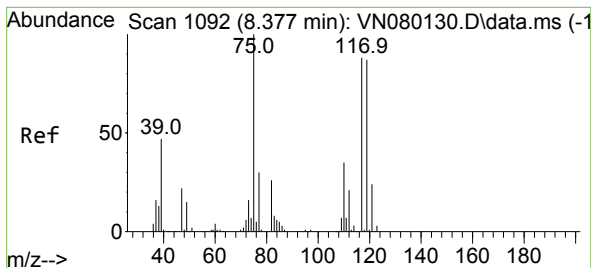
Ion Ratio Lower Upper

113 100

111 102.2 82.6 123.8

192 19.5 12.7 19.1#





#36

1,1-Dichloropropene

Concen: 4.226 ug/l

RT: 8.224 min Scan# 1066

Delta R.T. -0.153 min

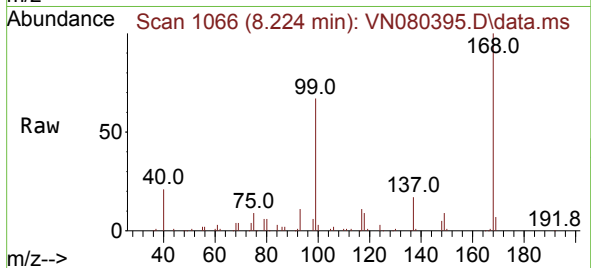
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Acq: 06 Dec 2023 18:44

Instrument :

MSVOA_N

ClientSampleId :



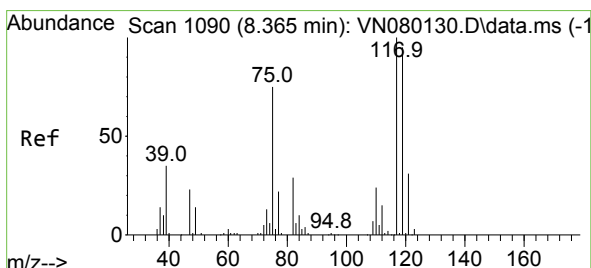
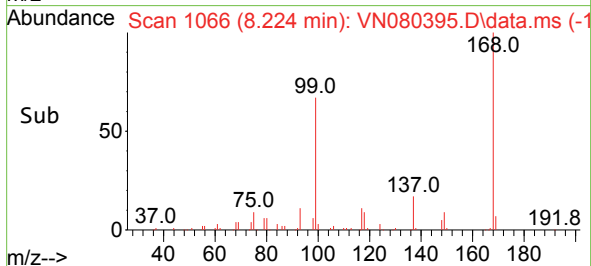
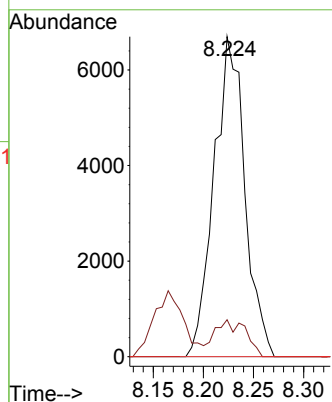
Tgt Ion: 75 Resp: 14291

Ion Ratio Lower Upper

75 100

110 11.5 19.1 57.3#

77 0.0 25.0 37.4#



#38

Carbon Tetrachloride

Concen: 4.584 ug/l

RT: 8.230 min Scan# 1067

Delta R.T. -0.135 min

Lab File: VN080395.D

Acq: 06 Dec 2023 18:44

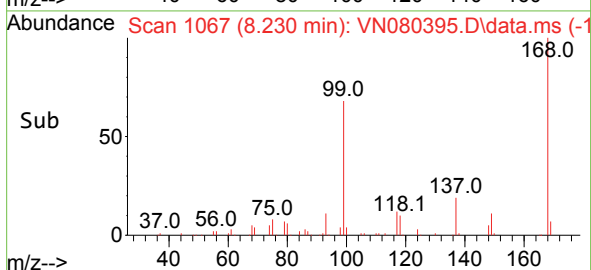
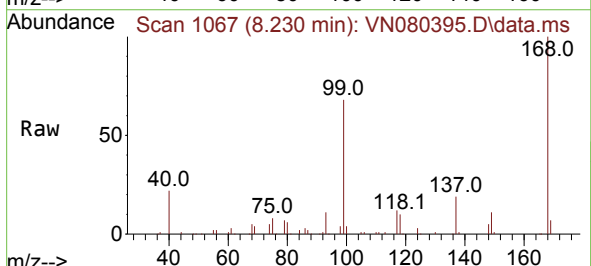
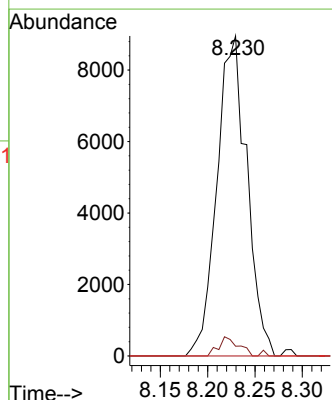
Tgt Ion: 117 Resp: 19672

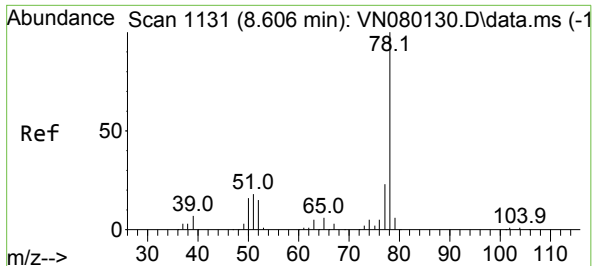
Ion Ratio Lower Upper

117 100

119 3.1 77.3 115.9#

121 0.0 23.3 34.9#

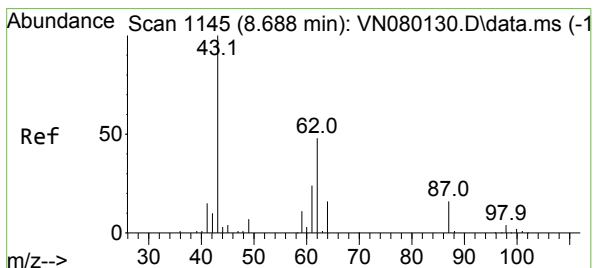
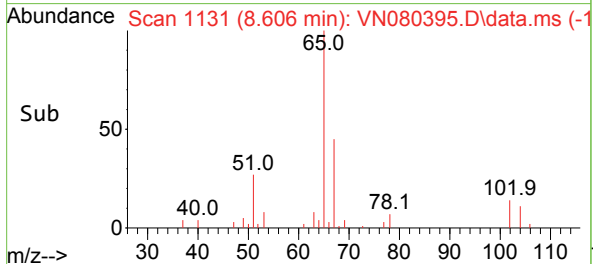
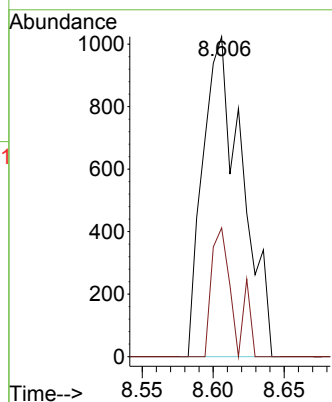
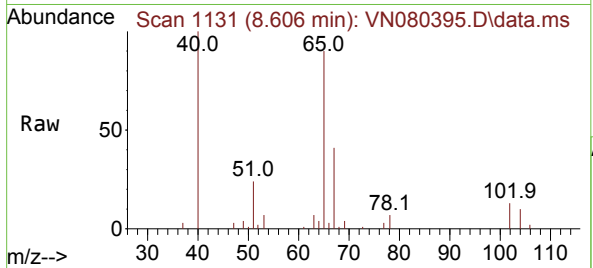




#40
Benzene
Concen: 0.204 ug/l
RT: 8.606 min Scan# 1131
Delta R.T. -0.000 min
Lab File: VN080395.D
Acq: 06 Dec 2023 18:44

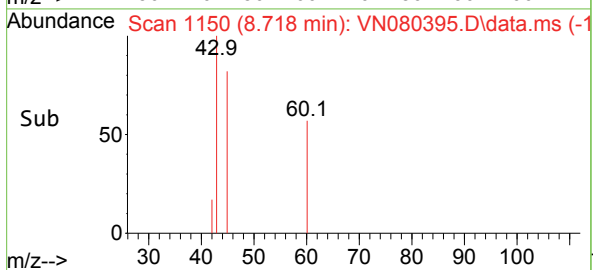
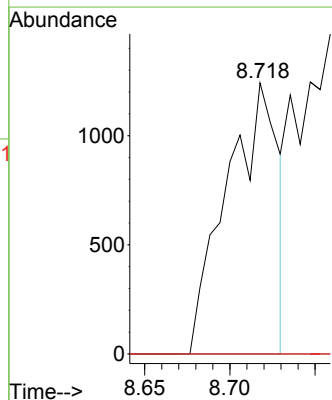
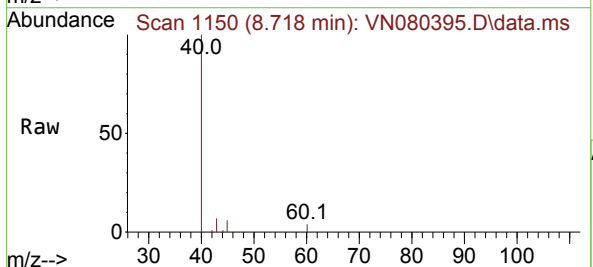
Instrument :
MSVOA_N
ClientSampleId :

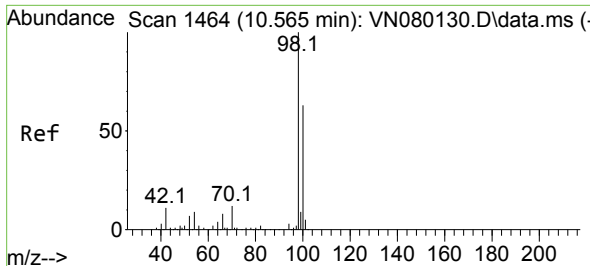
Tgt Ion: 78 Resp: 1957
Ion Ratio Lower Upper
78 100
77 40.2 19.0 28.6#



#43
Isopropyl Acetate
Concen: 0.568 ug/l
RT: 8.718 min Scan# 1150
Delta R.T. 0.029 min
Lab File: VN080395.D
Acq: 06 Dec 2023 18:44

Tgt Ion: 43 Resp: 2593
Ion Ratio Lower Upper
43 100
61 0.0 24.7 37.1#
87 0.0 14.6 21.8#

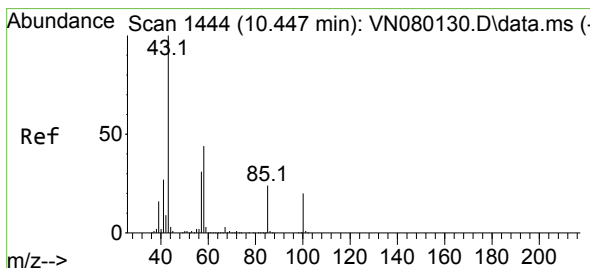
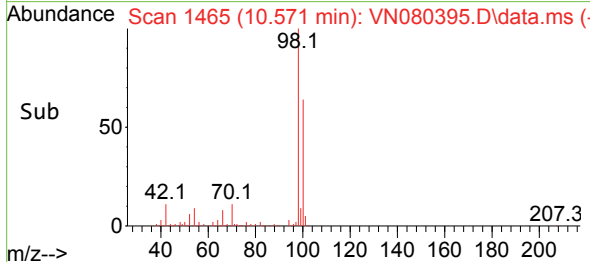
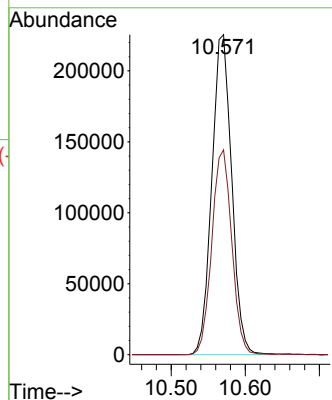
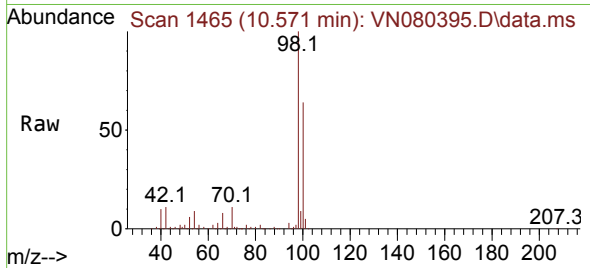




#50
Toluene-d8
Concen: 49.874 ug/l
RT: 10.571 min Scan# 1465
Delta R.T. 0.006 min
Lab File: VN080395.D
Acq: 06 Dec 2023 18:44

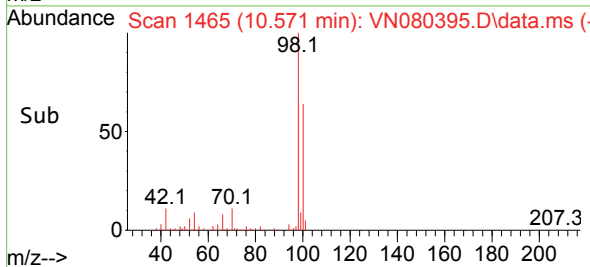
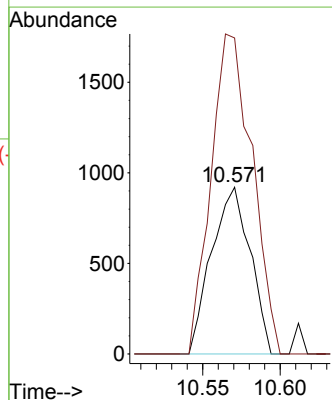
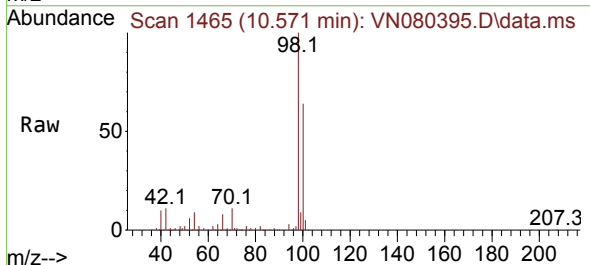
Instrument :
MSVOA_N
ClientSampleId :

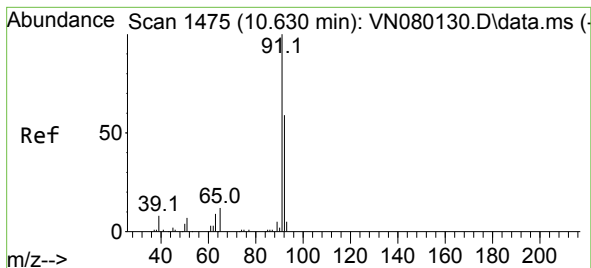
Tgt Ion: 98 Resp: 419962
Ion Ratio Lower Upper
98 100
100 64.2 52.0 78.0



#51
4-Methyl-2-Pentanone
Concen: 0.676 ug/l
RT: 10.571 min Scan# 1465
Delta R.T. 0.123 min
Lab File: VN080395.D
Acq: 06 Dec 2023 18:44

Tgt Ion: 43 Resp: 1597
Ion Ratio Lower Upper
43 100
58 204.3 36.6 54.8#





#52

Toluene

Concen: 0.417 ug/l

RT: 10.641 min Scan# 1477

Delta R.T. 0.012 min

Lab File: VN080395.D

Acq: 06 Dec 2023 18:44

Instrument :

MSVOA_N

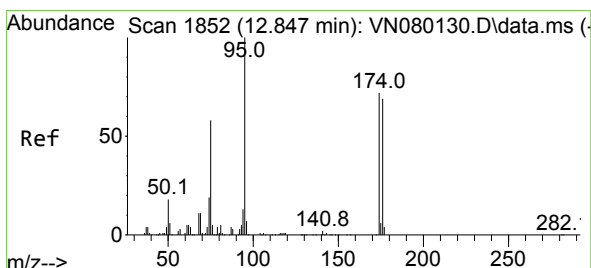
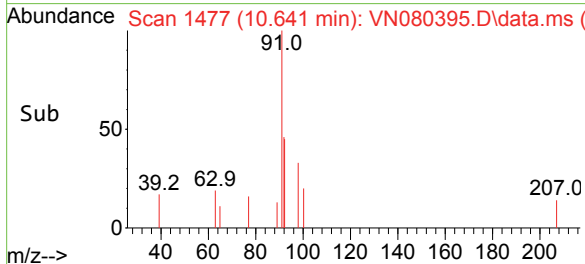
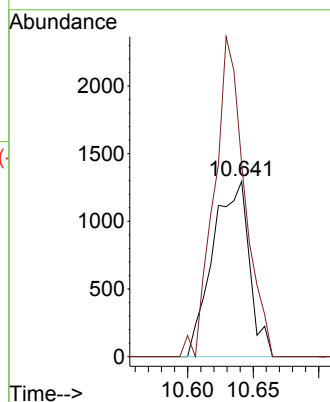
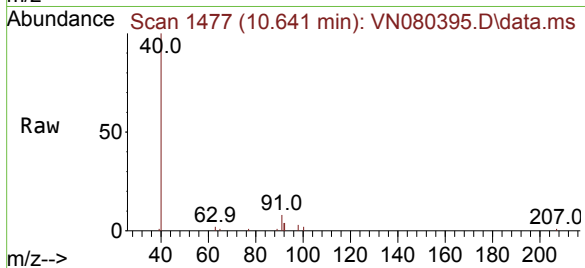
ClientSampleId :

Tgt Ion: 92 Resp: 2510

Ion Ratio Lower Upper

92 100

91 152.0 137.4 206.0



#62

4-Bromofluorobenzene

Concen: 53.173 ug/l

RT: 12.847 min Scan# 1852

Delta R.T. -0.000 min

Lab File: VN080395.D

Acq: 06 Dec 2023 18:44

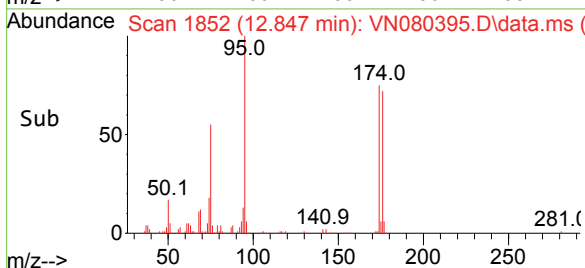
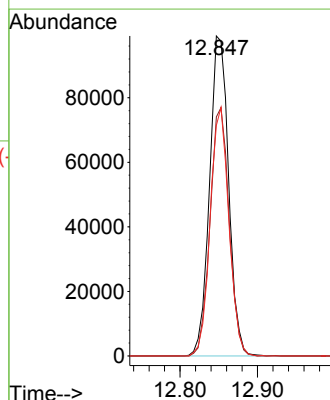
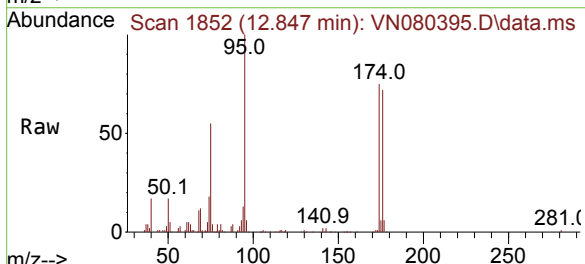
Tgt Ion: 95 Resp: 169117

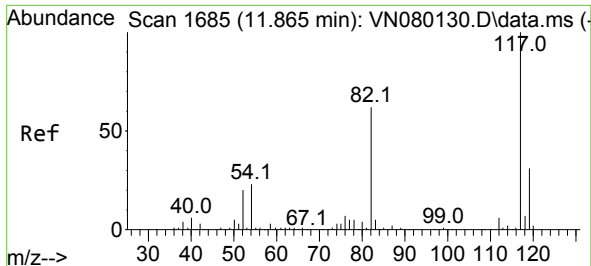
Ion Ratio Lower Upper

95 100

174 77.6 0.0 143.8

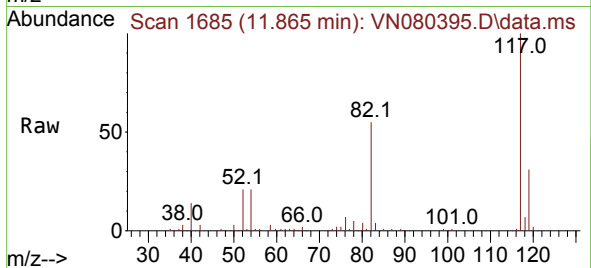
176 76.0 0.0 135.8



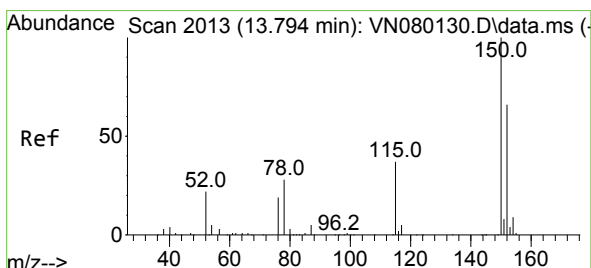
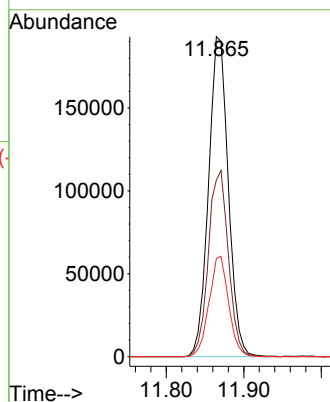
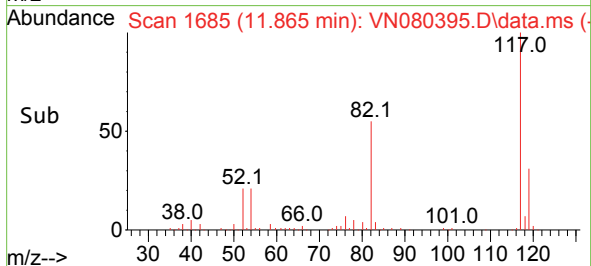


#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.865 min Scan# 117
Delta R.T. -0.000 min
Lab File: VN080395.D
Acq: 06 Dec 2023 18:44

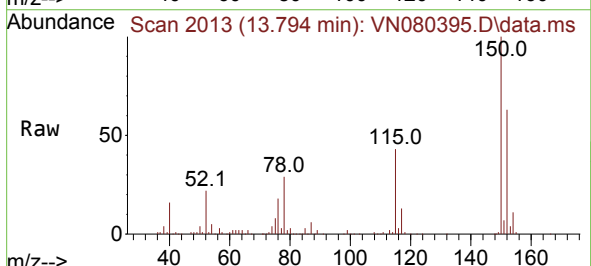
Instrument :
MSVOA_N
ClientSampleId :



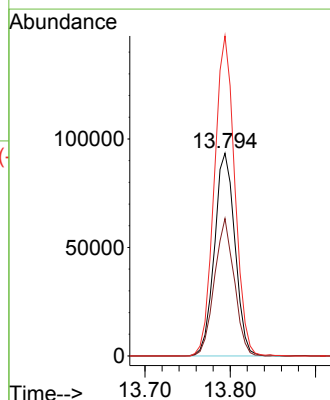
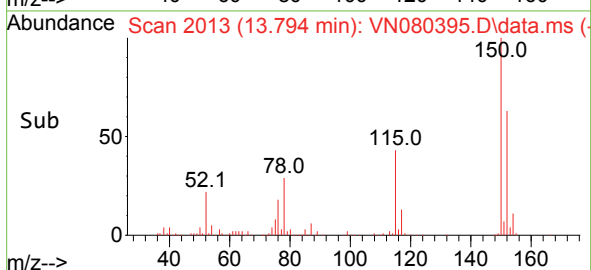
Tgt Ion:117 Resp: 341703
Ion Ratio Lower Upper
117 100
82 55.2 44.0 66.0
119 30.7 25.6 38.4

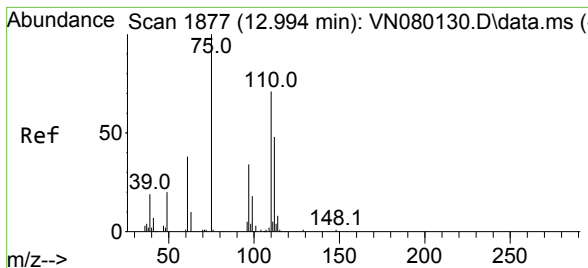


#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 13.794 min Scan# 2013
Delta R.T. -0.000 min
Lab File: VN080395.D
Acq: 06 Dec 2023 18:44



Tgt Ion:152 Resp: 155951
Ion Ratio Lower Upper
152 100
115 65.5 32.3 96.8
150 157.5 0.0 355.8

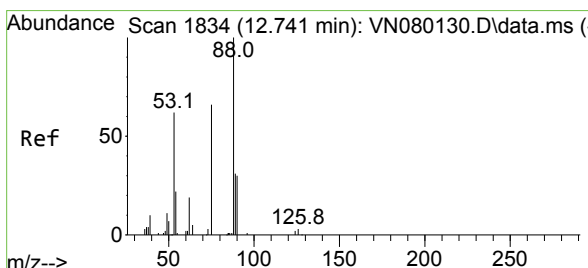
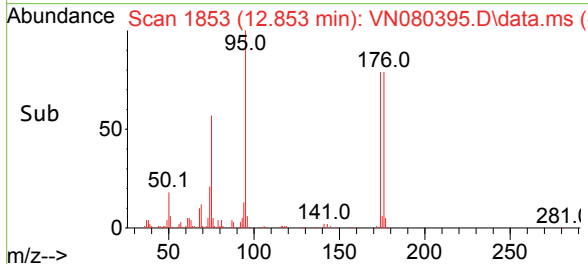
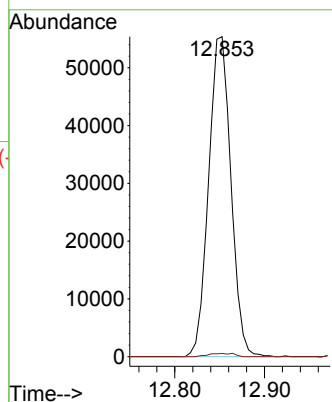
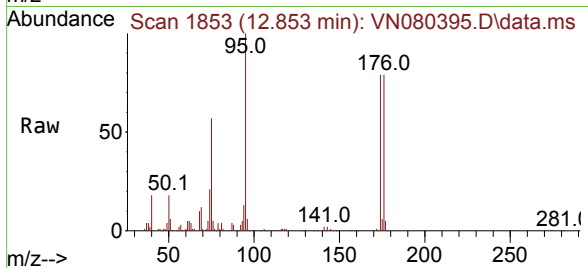




#76
1,2,3-Trichloropropane
Concen: 25.037 ug/l
RT: 12.853 min Scan# 1853
Delta R.T. -0.141 min
Lab File: VN080395.D
Acq: 06 Dec 2023 18:44

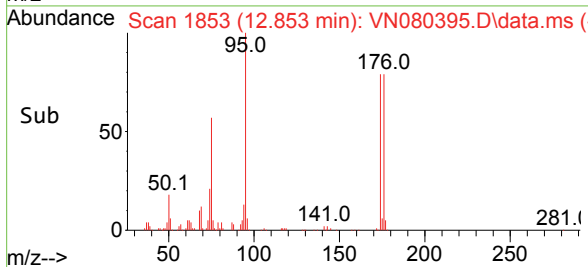
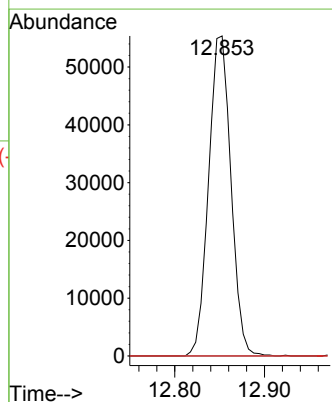
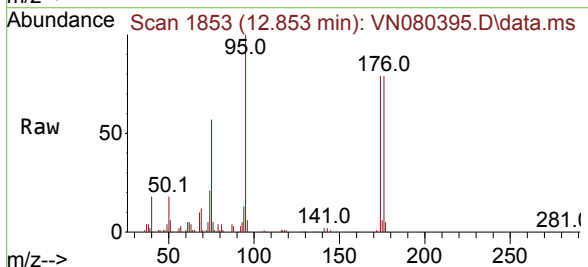
Instrument :
MSVOA_N
ClientSampleId :

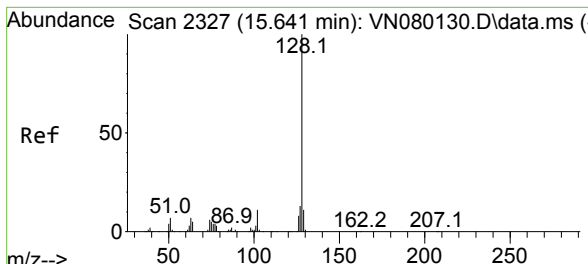
Tgt Ion: 75 Resp: 95667
Ion Ratio Lower Upper
75 100
77 1.2 84.5 253.5#



#81
trans-1,4-Dichloro-2-butene
Concen: 84.589 ug/l
RT: 12.853 min Scan# 1853
Delta R.T. 0.112 min
Lab File: VN080395.D
Acq: 06 Dec 2023 18:44

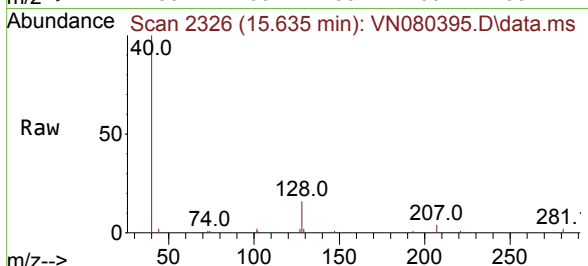
Tgt Ion: 75 Resp: 95667
Ion Ratio Lower Upper
75 100
53 0.0 67.4 101.2#
89 0.0 38.8 58.2#





#95
 Naphthalene
 Concen: 0.707 ug/l
 RT: 15.635 min Scan# 21
 Delta R.T. -0.006 min
 Lab File: VN080395.D
 Acq: 06 Dec 2023 18:44

Instrument :
 MSVOA_N
 ClientSampleId :



Tgt Ion:	128	Resp:	6285
Ion	Ratio	Lower	Upper
128	100		
127	13.2	10.0	15.0
129	12.0	8.7	13.1

