

Data Path : Z:\voasrv\HPCHEM1\MSVOA_N\Data\VN120523\
 Data File : VN080361.D
 Acq On : 05 Dec 2023 13:12
 Operator : JC\MD
 Sample : 05612-04 1000X
 Misc : 5.0mL/MSVOA_N/WATER
 ALS Vial : 9 Sample Multiplier: 1

Instrument :
 MSVOA_N
 ClientSampleId :

Quant Time: Dec 06 00:50:35 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	166010	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	9.100	114	308707	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.865	117	326797	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.794	152	143559	50.000	ug/l	0.00

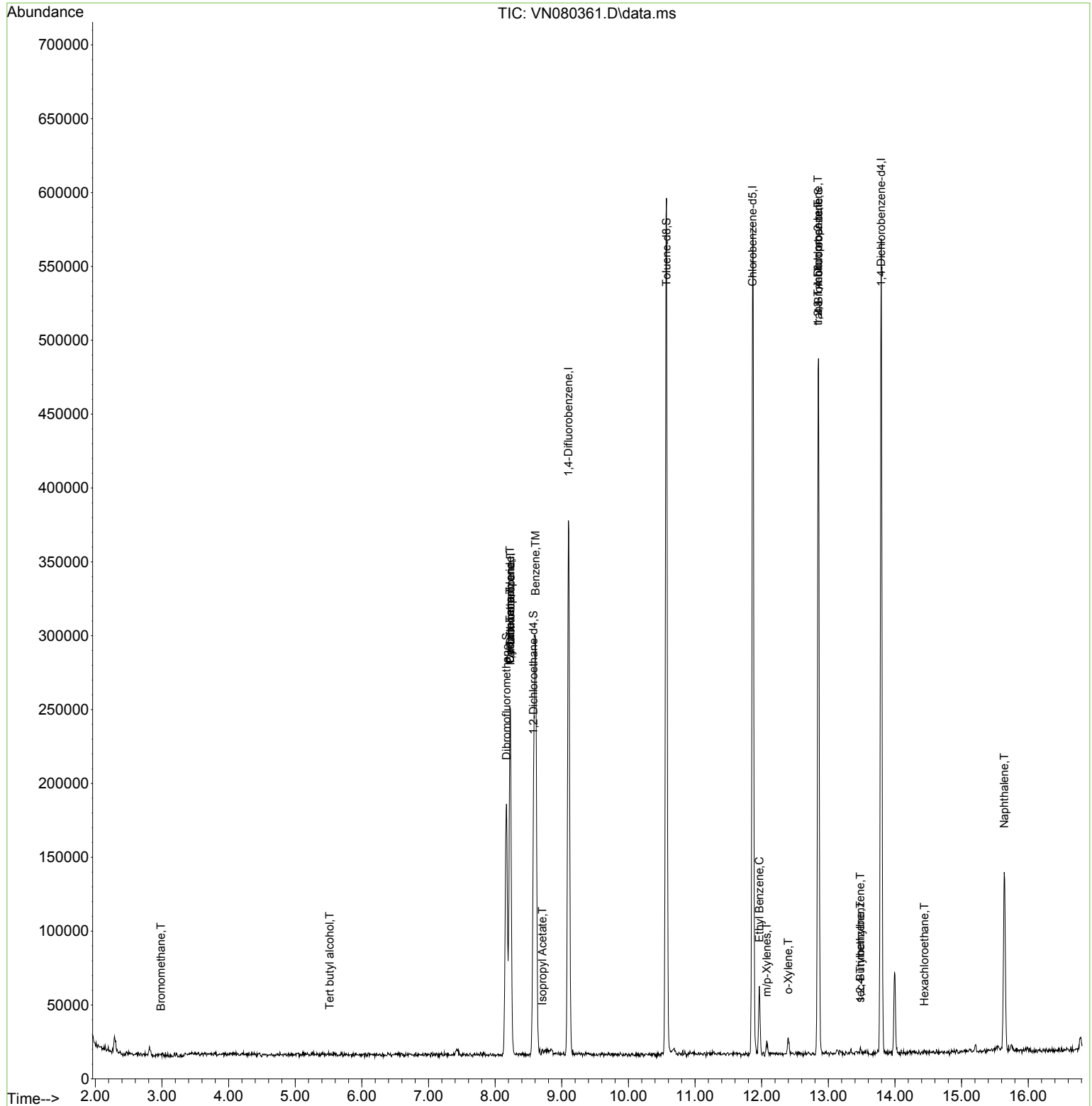
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.577	65	150665	54.965	ug/l	0.00
Spiked Amount	50.000	Range	74 - 125	Recovery	= 109.940%	
35) Dibromofluoromethane	8.171	113	120033	52.696	ug/l	0.00
Spiked Amount	50.000	Range	75 - 124	Recovery	= 105.400%	
50) Toluene-d8	10.571	98	404933	49.315	ug/l	0.00
Spiked Amount	50.000	Range	86 - 113	Recovery	= 98.620%	
62) 4-Bromofluorobenzene	12.853	95	162107	52.267	ug/l	0.00
Spiked Amount	50.000	Range	83 - 123	Recovery	= 104.540%	

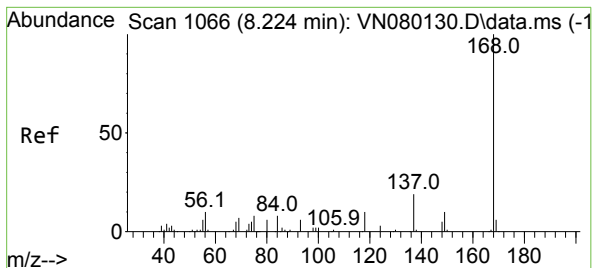
Target Compounds			Qvalue			
5) Bromomethane	2.983	94	379	0.284	ug/l	86
6) Chloroethane	3.100	64	186	Below Cal	#	43
11) Tert butyl alcohol	5.518	59	67	0.222	ug/l #	72
31) Cyclohexane	8.224	56	3985	1.337	ug/l #	44
36) 1,1-Dichloropropene	8.230	75	13623	4.131	ug/l #	48
38) Carbon Tetrachloride	8.224	117	18768	4.485	ug/l #	15
40) Benzene	8.606	78	261409	27.890	ug/l	99
43) Isopropyl Acetate	8.712	43	1308	0.294	ug/l #	49
67) Ethyl Benzene	11.965	91	29883	2.268	ug/l	94
68) m/p-Xylenes	12.076	106	2724	0.567	ug/l	99
69) o-Xylene	12.400	106	3130	0.691	ug/l	89
76) 1,2,3-Trichloropropane	12.847	75	89473	25.437	ug/l #	1
81) trans-1,4-Dichloro-2-b...	12.847	75	89473	85.941	ug/l #	15
84) 1,2,4-Trimethylbenzene	13.482	105	2406	0.252	ug/l	86
85) sec-Butylbenzene	13.482	105	2406	0.244	ug/l #	57
90) Hexachloroethane	14.441	117	920	0.536	ug/l #	21
95) Naphthalene	15.641	128	116717	14.272	ug/l	98

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

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MSVOA_N
ClientSampleId :

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#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 8.230 min Scan# 1

Delta R.T. 0.006 min

Lab File: VN080361.D

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Instrument :

MSVOA_N

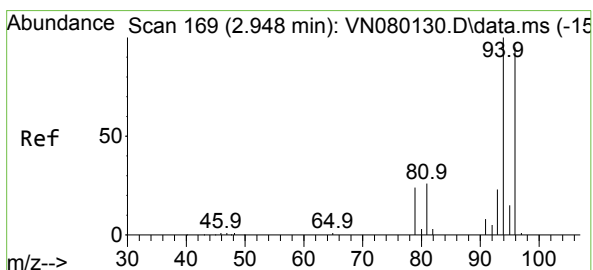
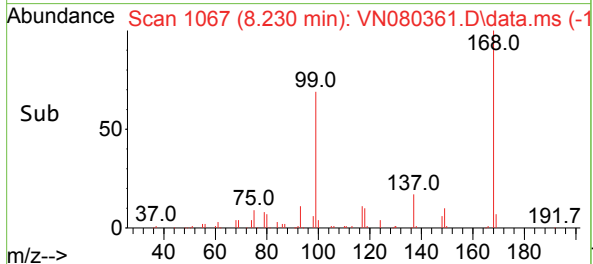
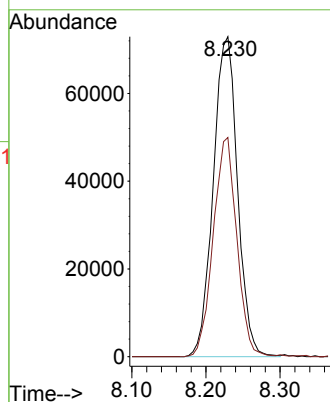
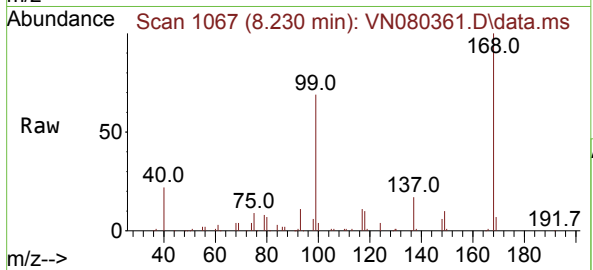
ClientSampleId :

Tgt Ion:168 Resp: 166010

Ion Ratio Lower Upper

168 100

99 68.5 53.0 79.6



#5

Bromomethane

Concen: 0.284 ug/l

RT: 2.983 min Scan# 175

Delta R.T. 0.035 min

Lab File: VN080361.D

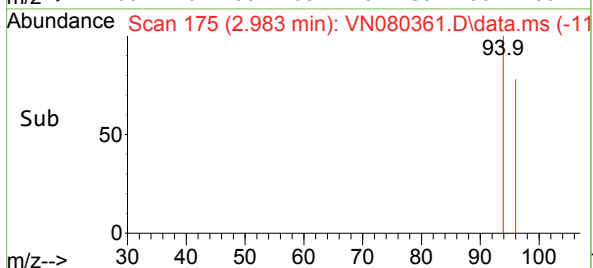
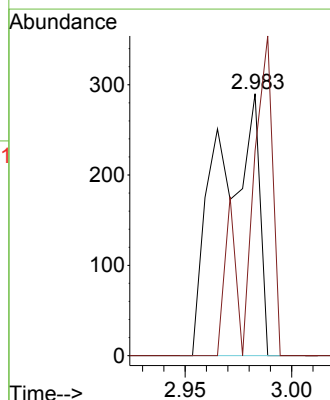
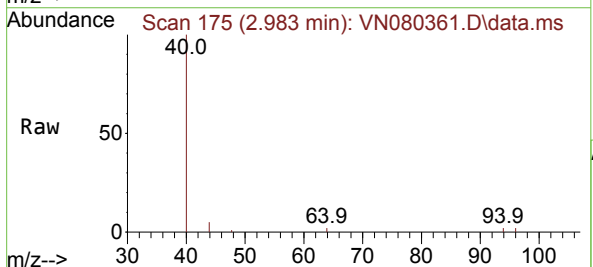
Acq: 05 Dec 2023 13:12

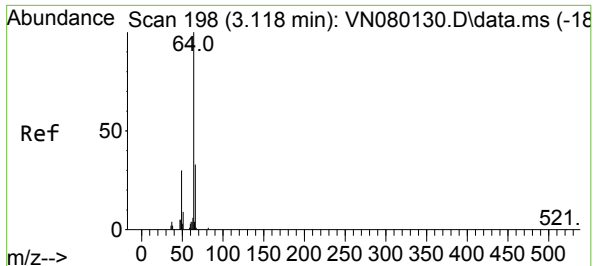
Tgt Ion: 94 Resp: 379

Ion Ratio Lower Upper

94 100

96 78.3 73.1 109.7

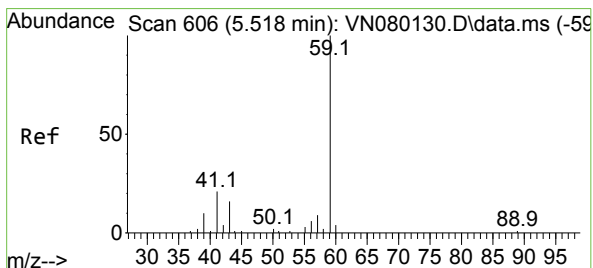
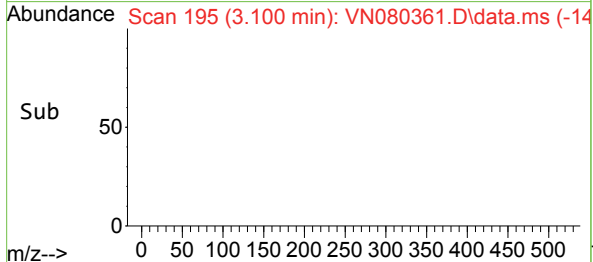
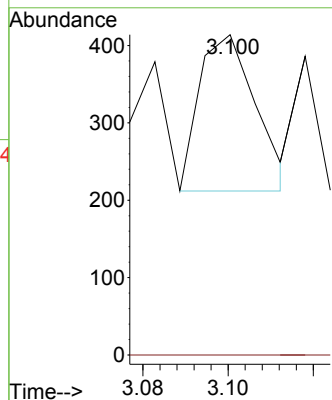
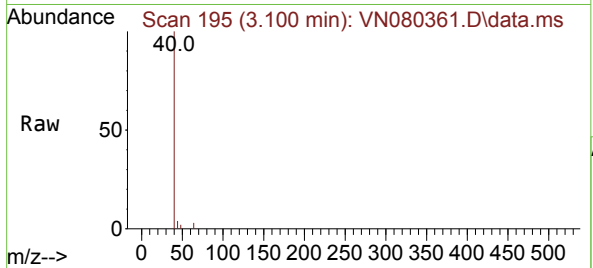




#6
Chloroethane
Concen: Below Cal
RT: 3.100 min Scan# 198
Delta R.T. -0.018 min
Lab File: VN080361.D
Acq: 05 Dec 2023 13:12

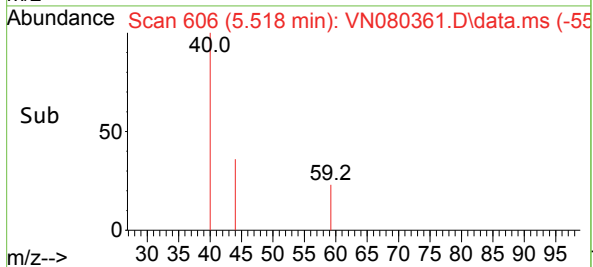
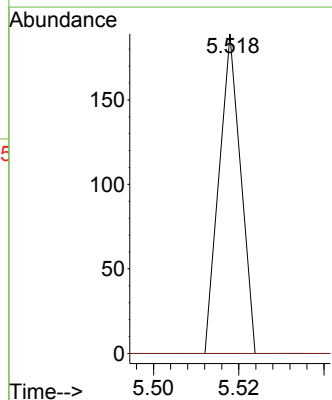
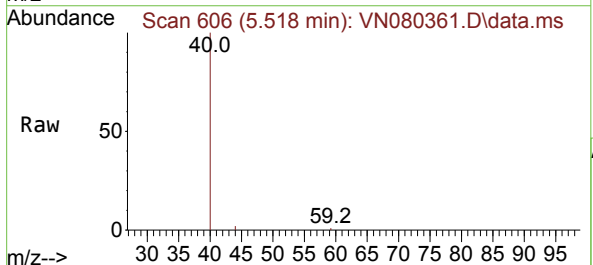
Instrument :
MSVOA_N
ClientSampleId :

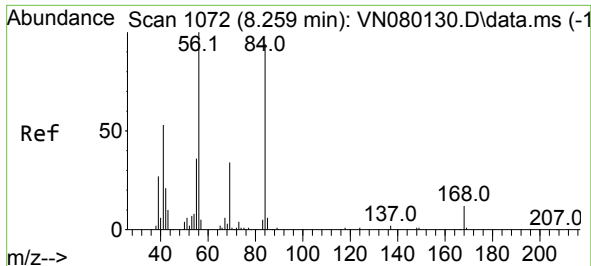
Tgt Ion: 64 Resp: 186
Ion Ratio Lower Upper
64 100
66 0.0 25.4 38.2#



#11
Tert butyl alcohol
Concen: 0.222 ug/l
RT: 5.518 min Scan# 606
Delta R.T. -0.000 min
Lab File: VN080361.D
Acq: 05 Dec 2023 13:12

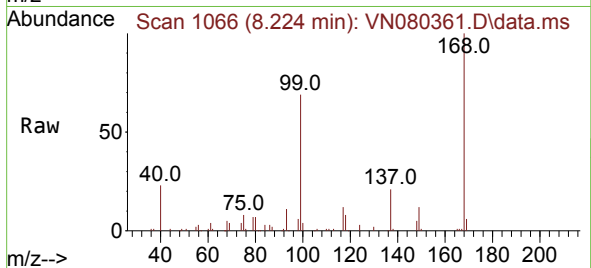
Tgt Ion: 59 Resp: 67
Ion Ratio Lower Upper
59 100
57 0.0 8.2 12.4#



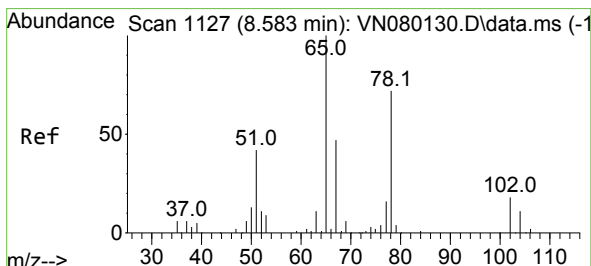
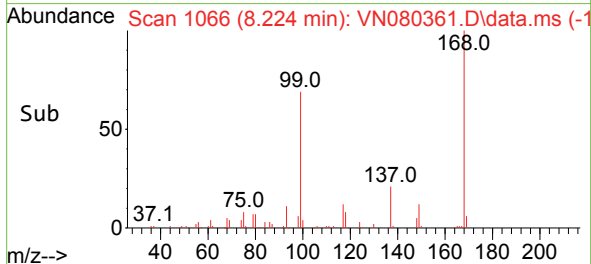
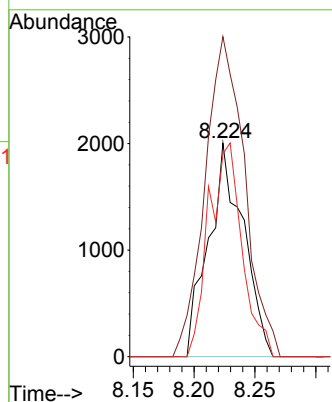


#31
Cyclohexane
Concen: 1.337 ug/l
RT: 8.224 min Scan# 1066
Delta R.T. -0.035 min
Lab File: VN080361.D
Acq: 05 Dec 2023 13:12

Instrument :
MSVOA_N
ClientSampleId :

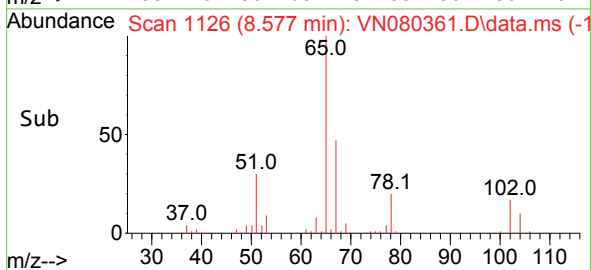
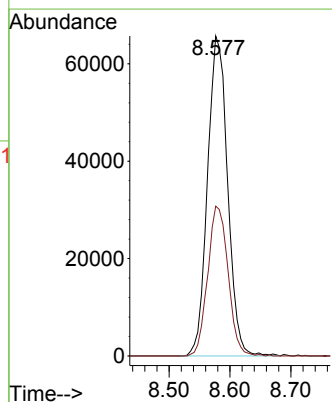
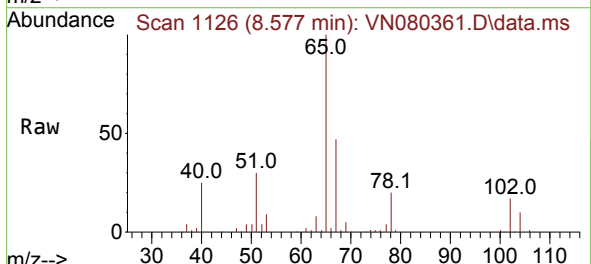


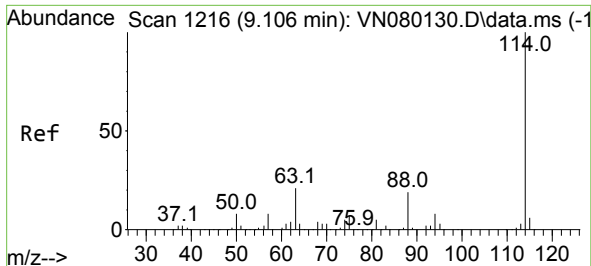
Tgt Ion: 56 Resp: 3985
Ion Ratio Lower Upper
56 100
69 149.8 26.8 40.2#
84 94.9 81.8 122.6



#33
1,2-Dichloroethane-d4
Concen: 54.965 ug/l
RT: 8.577 min Scan# 1126
Delta R.T. -0.006 min
Lab File: VN080361.D
Acq: 05 Dec 2023 13:12

Tgt Ion: 65 Resp: 150665
Ion Ratio Lower Upper
65 100
67 47.5 0.0 106.6





#34

1,4-Difluorobenzene

Concen: 50.000 ug/l

RT: 9.100 min Scan# 11

Delta R.T. -0.006 min

Lab File: VN080361.D

Acq: 05 Dec 2023 13:12

Instrument :

MSVOA_N

ClientSampleId :

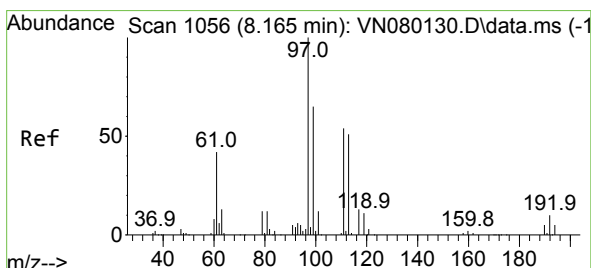
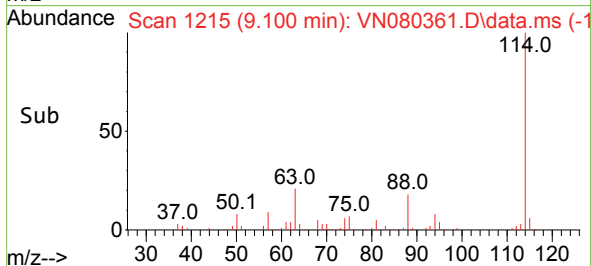
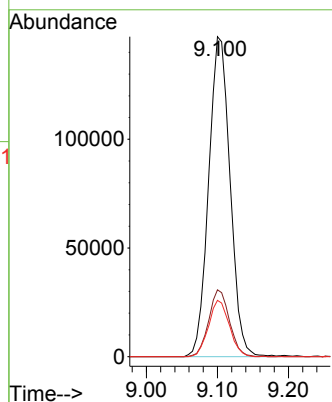
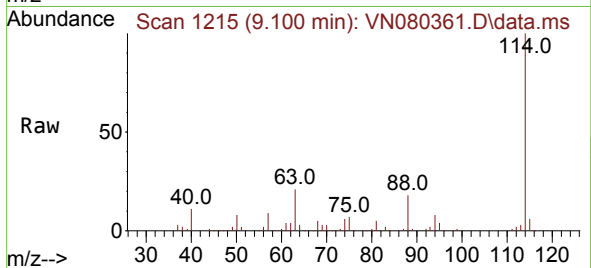
Tgt Ion:114 Resp: 308707

Ion Ratio Lower Upper

114 100

63 20.9 0.0 36.4

88 17.6 0.0 30.6



#35

Dibromofluoromethane

Concen: 52.696 ug/l

RT: 8.171 min Scan# 1057

Delta R.T. 0.006 min

Lab File: VN080361.D

Acq: 05 Dec 2023 13:12

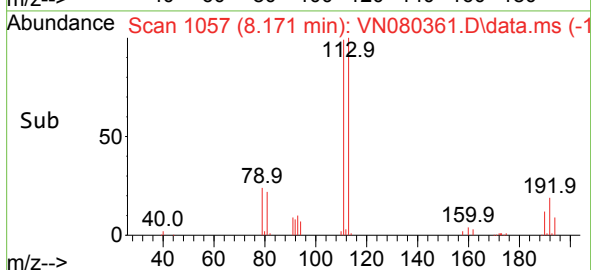
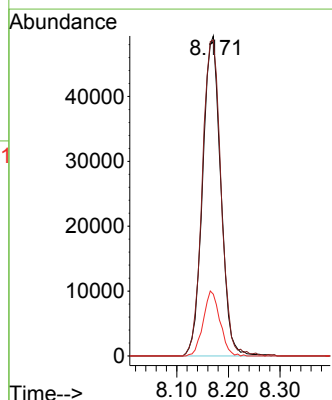
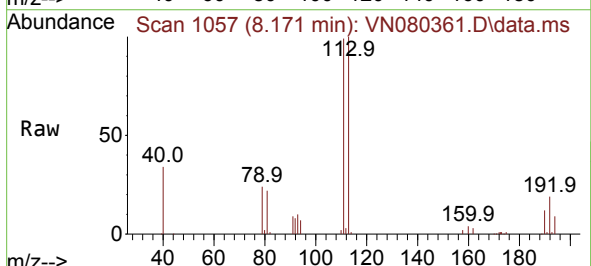
Tgt Ion:113 Resp: 120033

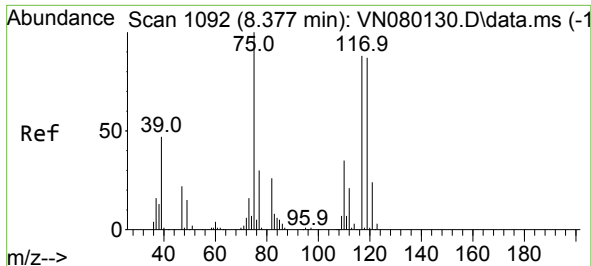
Ion Ratio Lower Upper

113 100

111 102.2 82.6 123.8

192 18.7 12.7 19.1





#36

1,1-Dichloropropene

Concen: 4.131 ug/l

RT: 8.230 min Scan# 1067

Delta R.T. -0.147 min

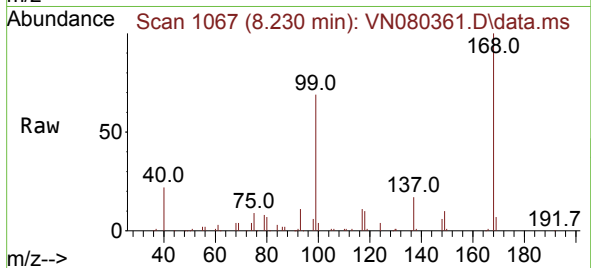
Lab File: VN080361.D

Acq: 05 Dec 2023 13:12

Instrument :

MSVOA_N

ClientSampleId :



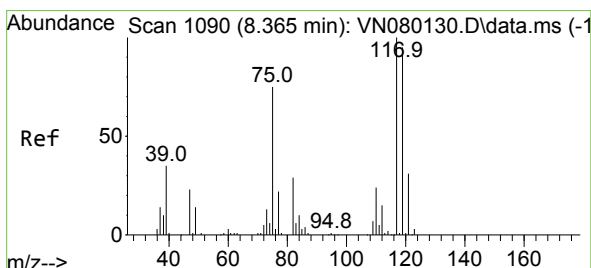
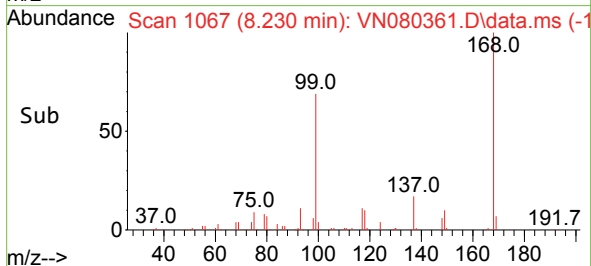
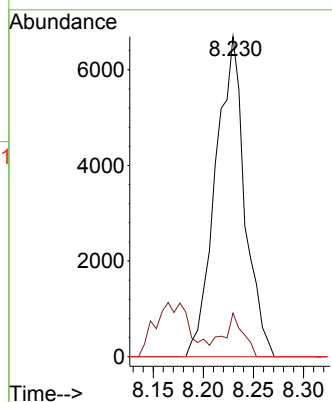
Tgt Ion: 75 Resp: 13623

Ion Ratio Lower Upper

75 100

110 9.0 19.1 57.3#

77 0.0 25.0 37.4#



#38

Carbon Tetrachloride

Concen: 4.485 ug/l

RT: 8.224 min Scan# 1066

Delta R.T. -0.141 min

Lab File: VN080361.D

Acq: 05 Dec 2023 13:12

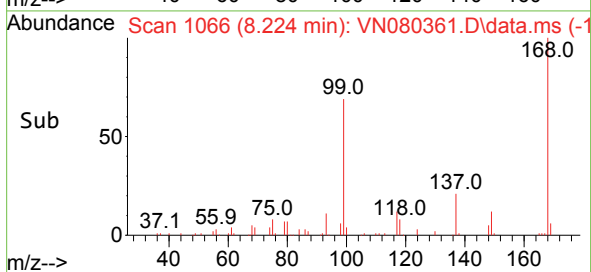
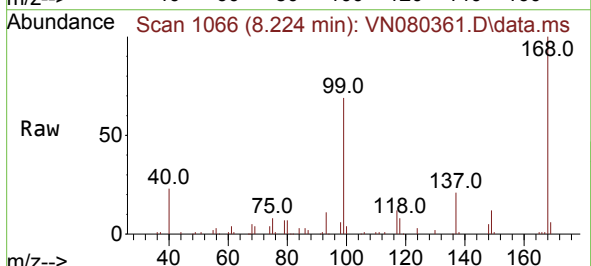
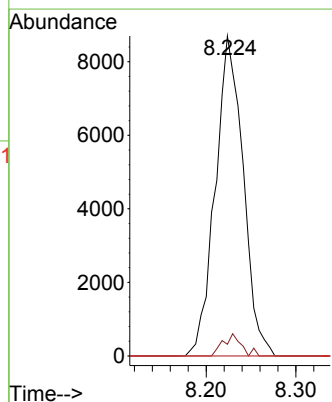
Tgt Ion: 117 Resp: 18768

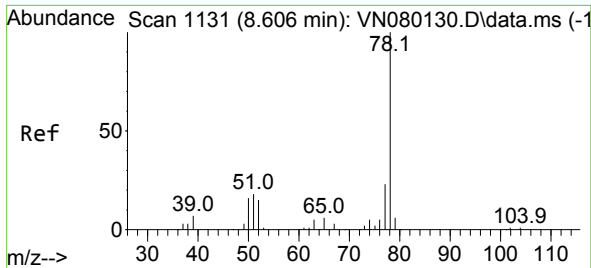
Ion Ratio Lower Upper

117 100

119 3.7 77.3 115.9#

121 0.0 23.3 34.9#

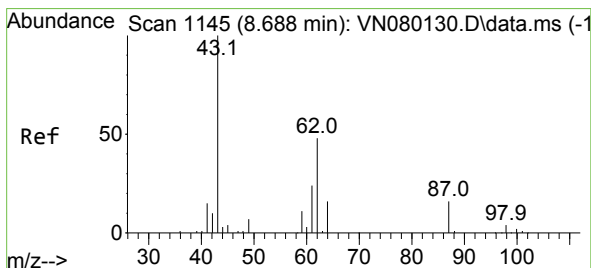
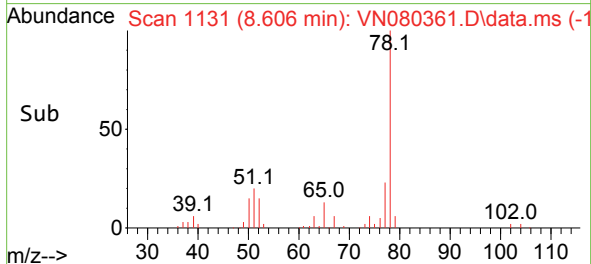
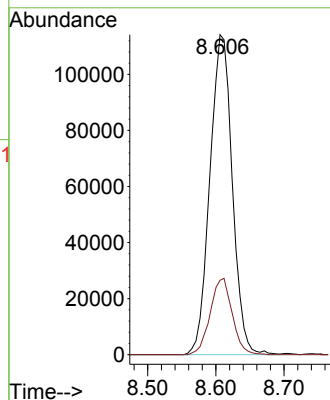
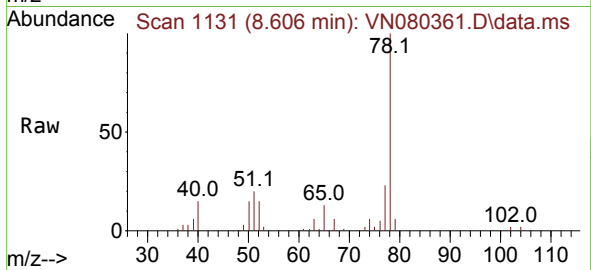




#40
Benzene
Concen: 27.890 ug/l
RT: 8.606 min Scan# 1131
Delta R.T. -0.000 min
Lab File: VN080361.D
Acq: 05 Dec 2023 13:12

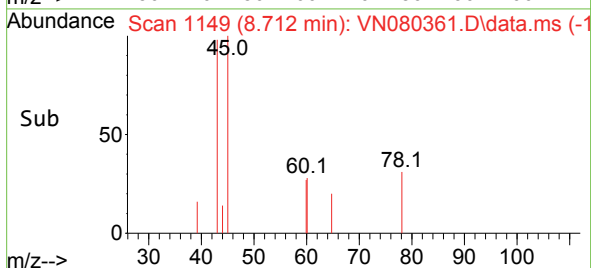
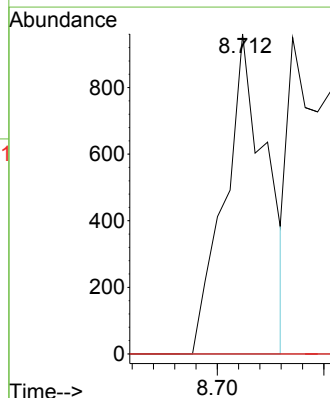
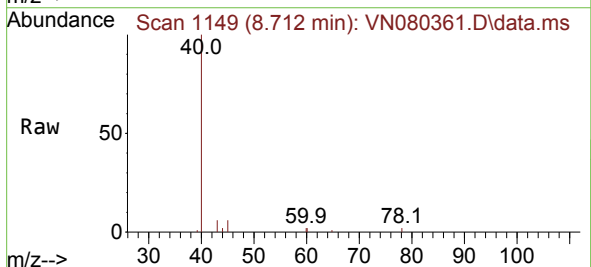
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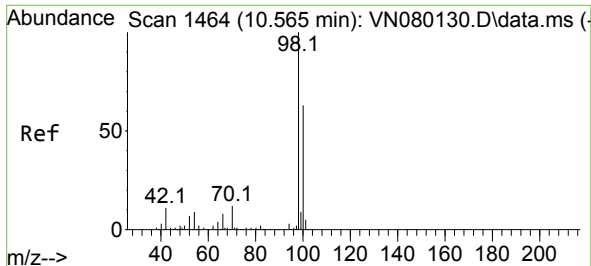
Tgt Ion: 78 Resp: 261409
Ion Ratio Lower Upper
78 100
77 23.2 19.0 28.6



#43
Isopropyl Acetate
Concen: 0.294 ug/l
RT: 8.712 min Scan# 1149
Delta R.T. 0.023 min
Lab File: VN080361.D
Acq: 05 Dec 2023 13:12

Tgt Ion: 43 Resp: 1308
Ion Ratio Lower Upper
43 100
61 0.0 24.7 37.1#
87 0.0 14.6 21.8#

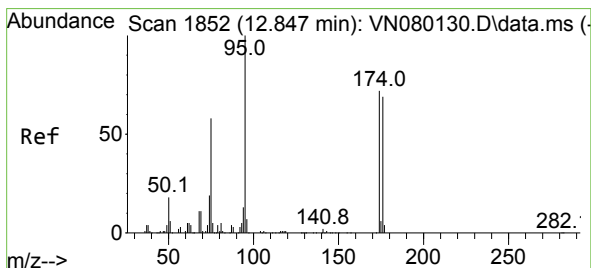
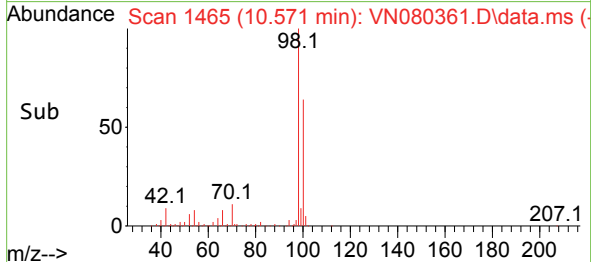
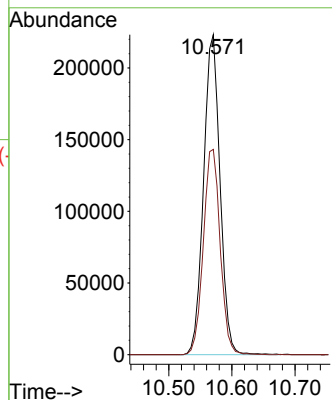
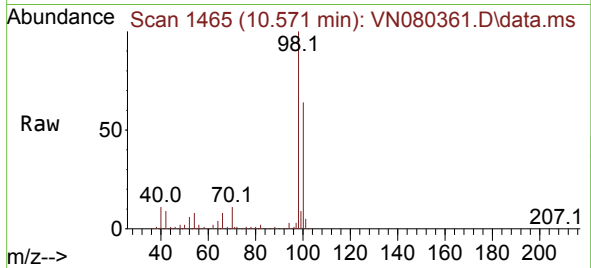




#50
Toluene-d8
Concen: 49.315 ug/l
RT: 10.571 min Scan# 1465
Delta R.T. 0.006 min
Lab File: VN080361.D
Acq: 05 Dec 2023 13:12

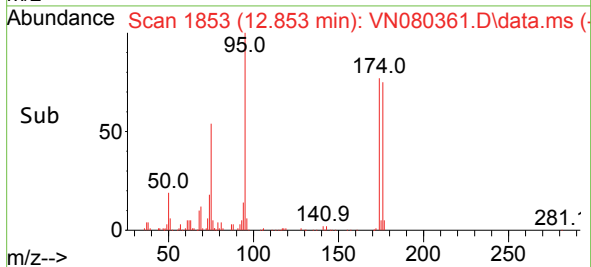
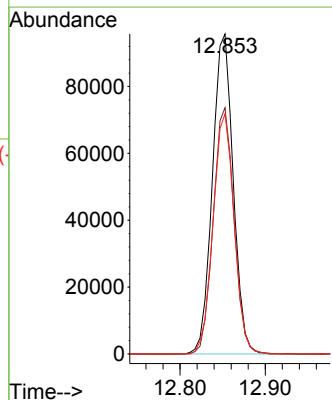
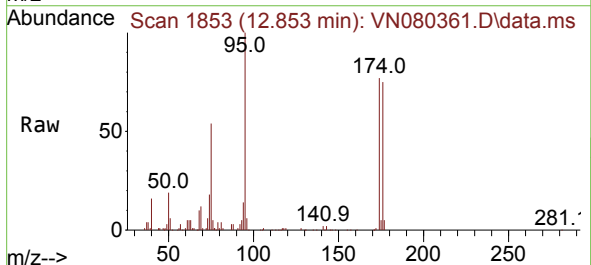
Instrument :
MSVOA_N
ClientSampleId :

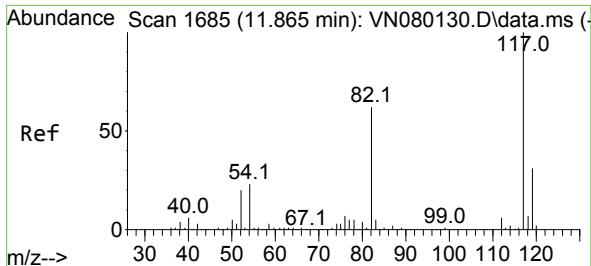
Tgt Ion: 98 Resp: 404933
Ion Ratio Lower Upper
98 100
100 65.6 52.0 78.0



#62
4-Bromofluorobenzene
Concen: 52.267 ug/l
RT: 12.853 min Scan# 1853
Delta R.T. 0.006 min
Lab File: VN080361.D
Acq: 05 Dec 2023 13:12

Tgt Ion: 95 Resp: 162107
Ion Ratio Lower Upper
95 100
174 77.0 0.0 143.8
176 75.7 0.0 135.8

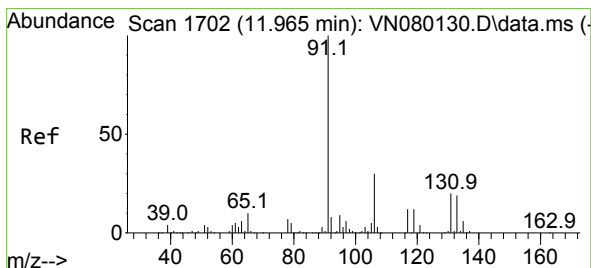
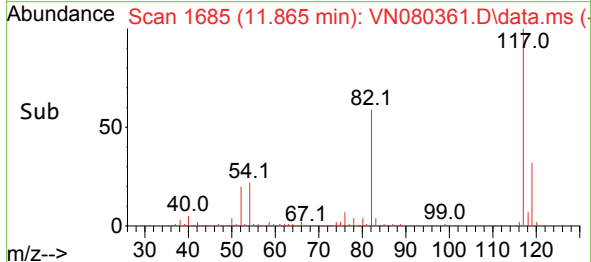
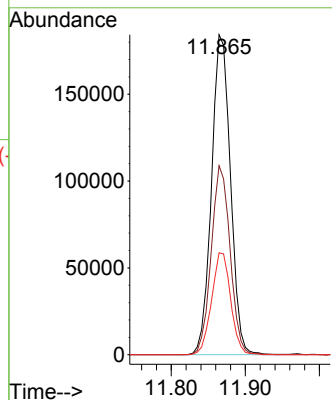
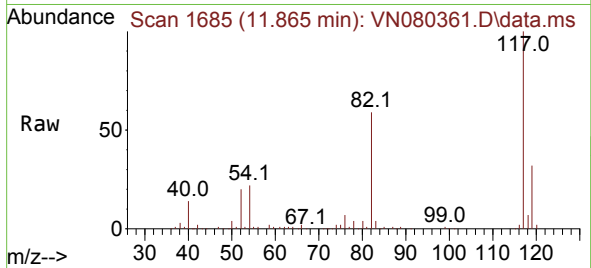




#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.865 min Scan# 117
Delta R.T. -0.000 min
Lab File: VN080361.D
Acq: 05 Dec 2023 13:12

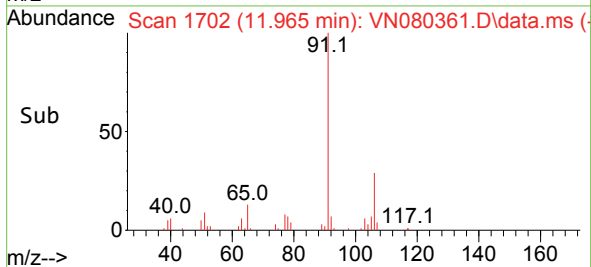
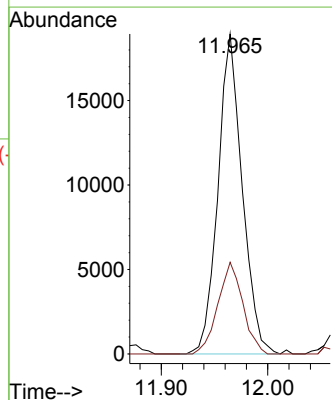
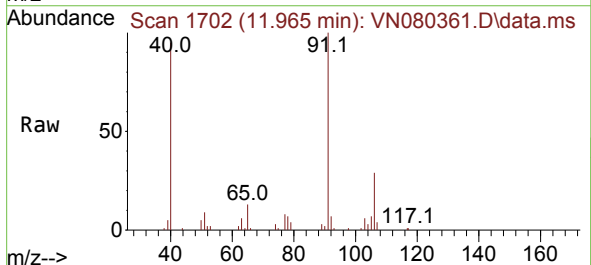
Instrument :
MSVOA_N
ClientSampleId :

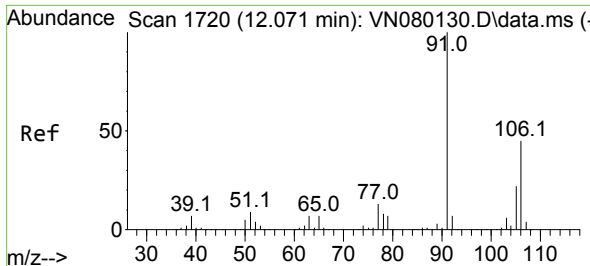
Tgt Ion:117 Resp: 326797
Ion Ratio Lower Upper
117 100
82 59.0 44.0 66.0
119 31.8 25.6 38.4



#67
Ethyl Benzene
Concen: 2.268 ug/l
RT: 11.965 min Scan# 1702
Delta R.T. -0.000 min
Lab File: VN080361.D
Acq: 05 Dec 2023 13:12

Tgt Ion: 91 Resp: 29883
Ion Ratio Lower Upper
91 100
106 28.7 25.6 38.4

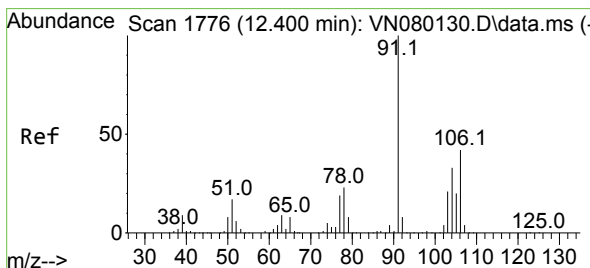
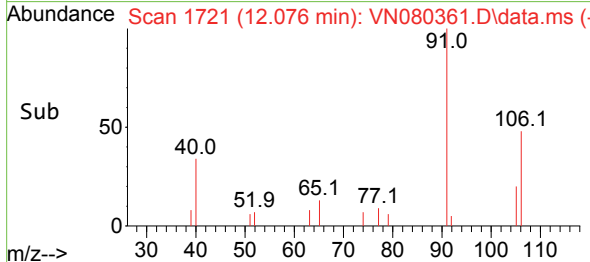
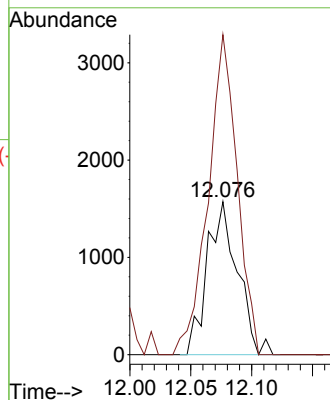
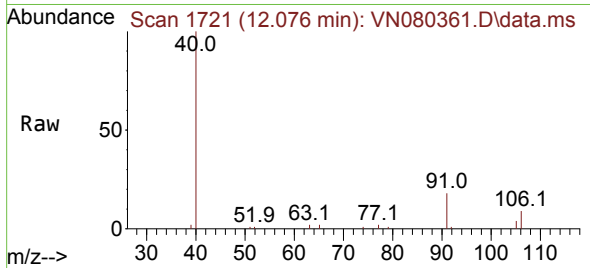




#68
m/p-Xylenes
Concen: 0.567 ug/l
RT: 12.076 min Scan# 1720
Delta R.T. 0.006 min
Lab File: VN080361.D
Acq: 05 Dec 2023 13:12

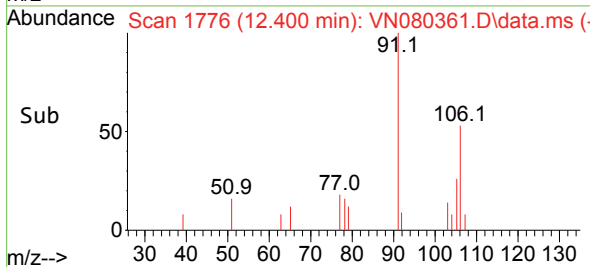
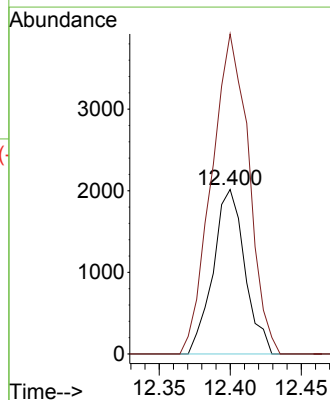
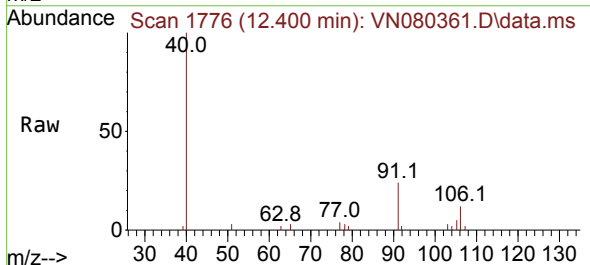
Instrument :
MSVOA_N
ClientSampleId :

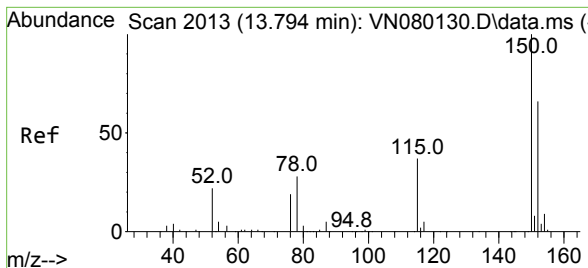
Tgt Ion:106 Resp: 2724
Ion Ratio Lower Upper
106 100
91 200.8 159.6 239.4



#69
o-Xylene
Concen: 0.691 ug/l
RT: 12.400 min Scan# 1776
Delta R.T. -0.000 min
Lab File: VN080361.D
Acq: 05 Dec 2023 13:12

Tgt Ion:106 Resp: 3130
Ion Ratio Lower Upper
106 100
91 228.1 105.2 315.5

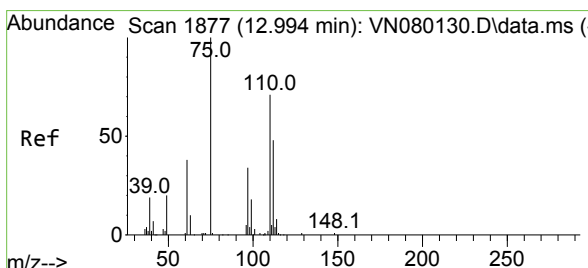
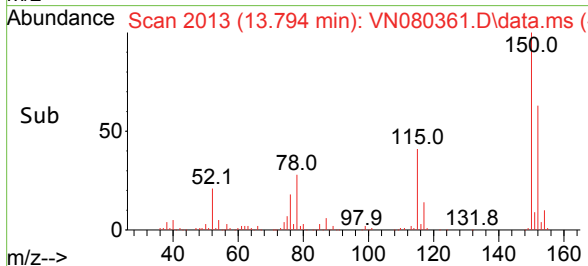
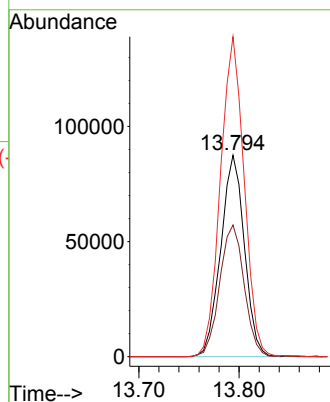
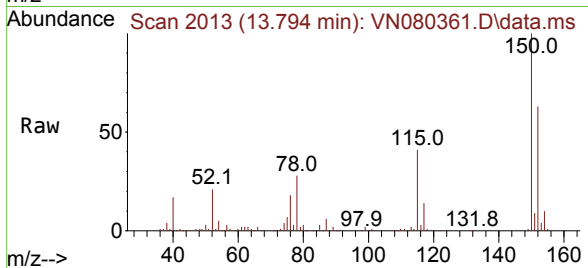




#72
 1,4-Dichlorobenzene-d4
 Concen: 50.000 ug/l
 RT: 13.794 min Scan# 20
 Delta R.T. -0.000 min
 Lab File: VN080361.D
 Acq: 05 Dec 2023 13:12

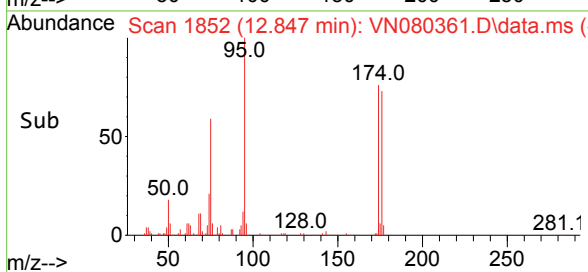
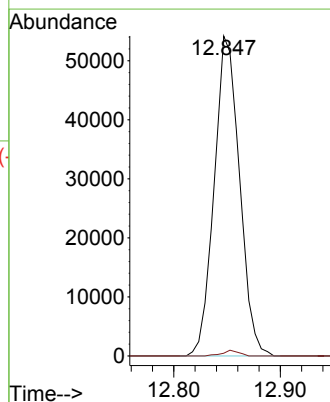
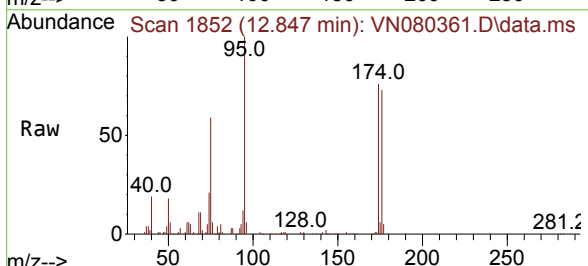
Instrument :
 MSVOA_N
 ClientSampleId :

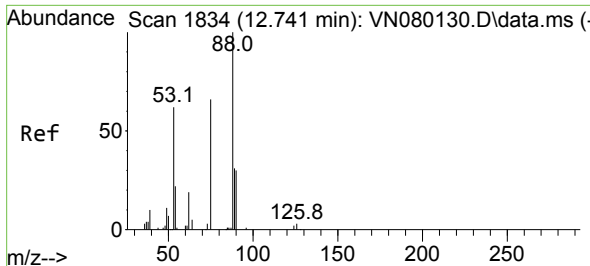
Tgt Ion:152 Resp: 143559
 Ion Ratio Lower Upper
 152 100
 115 67.4 32.3 96.8
 150 159.1 0.0 355.8



#76
 1,2,3-Trichloropropane
 Concen: 25.437 ug/l
 RT: 12.847 min Scan# 1852
 Delta R.T. -0.147 min
 Lab File: VN080361.D
 Acq: 05 Dec 2023 13:12

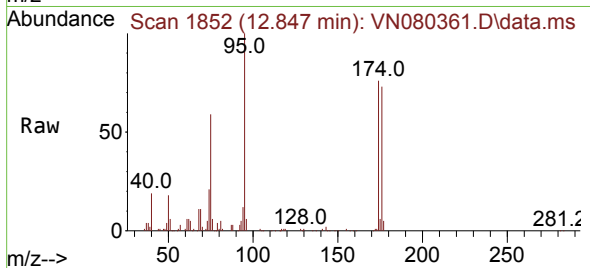
Tgt Ion: 75 Resp: 89473
 Ion Ratio Lower Upper
 75 100
 77 1.2 84.5 253.5#



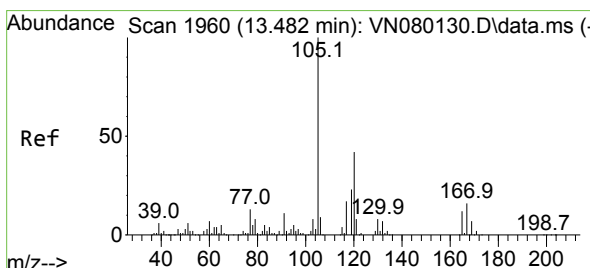
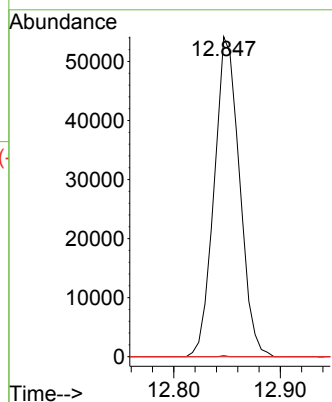
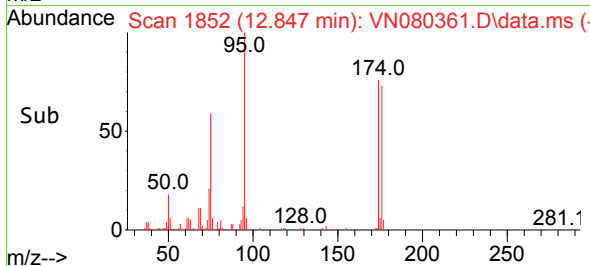


#81
trans-1,4-Dichloro-2-butene
Concen: 85.941 ug/l
RT: 12.847 min Scan# 1852
Delta R.T. 0.106 min
Lab File: VN080361.D
Acq: 05 Dec 2023 13:12

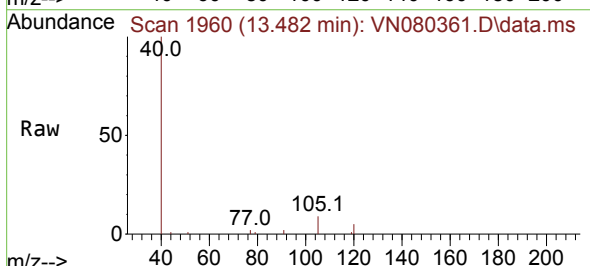
Instrument :
MSVOA_N
ClientSampleId :



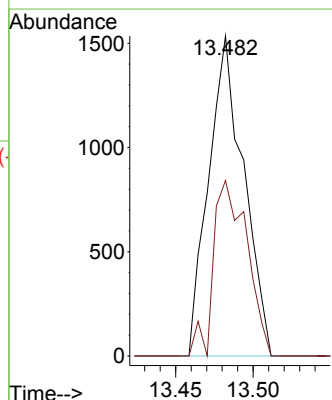
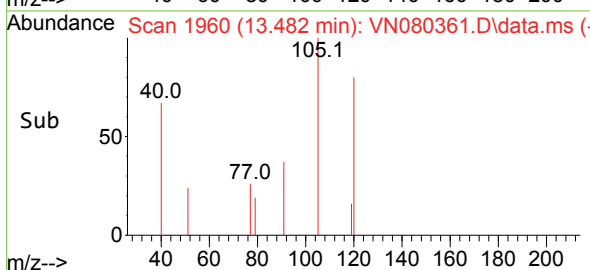
Tgt Ion: 75 Resp: 89473
Ion Ratio Lower Upper
75 100
53 0.1 67.4 101.2#
89 0.0 38.8 58.2#

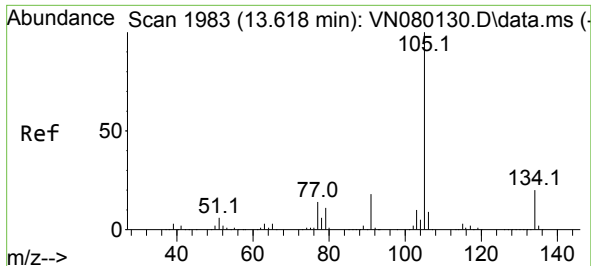


#84
1,2,4-Trimethylbenzene
Concen: 0.252 ug/l
RT: 13.482 min Scan# 1960
Delta R.T. -0.000 min
Lab File: VN080361.D
Acq: 05 Dec 2023 13:12



Tgt Ion: 105 Resp: 2406
Ion Ratio Lower Upper
105 100
120 52.7 22.0 66.0

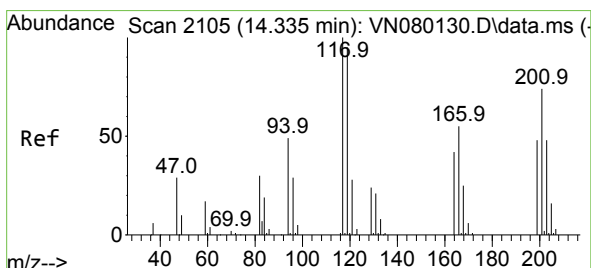
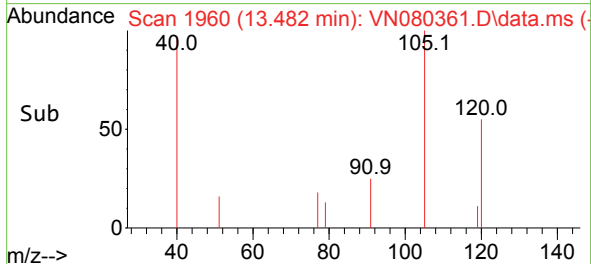
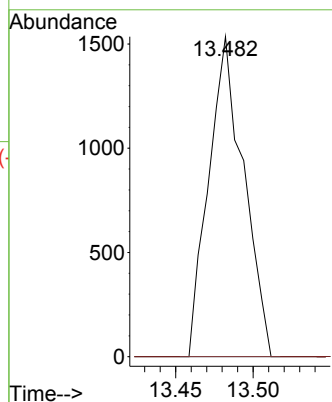
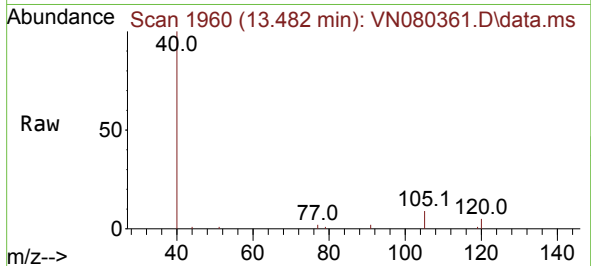




#85
 sec-Butylbenzene
 Concen: 0.244 ug/l
 RT: 13.482 min Scan# 1983
 Delta R.T. -0.135 min
 Lab File: VN080361.D
 Acq: 05 Dec 2023 13:12

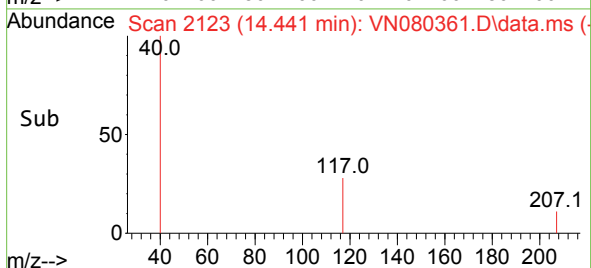
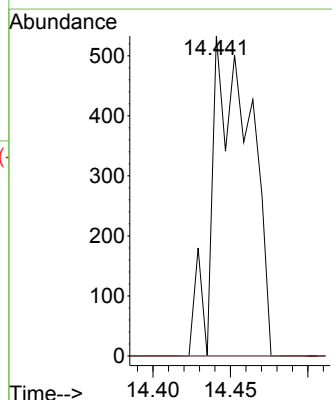
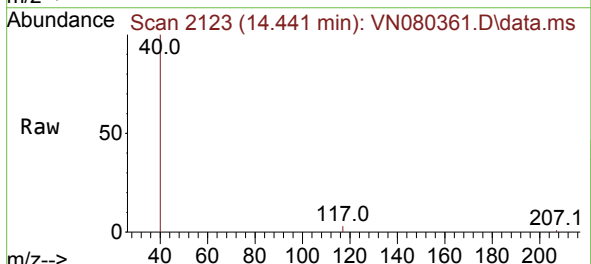
Instrument :
 MSVOA_N
 ClientSampleId :

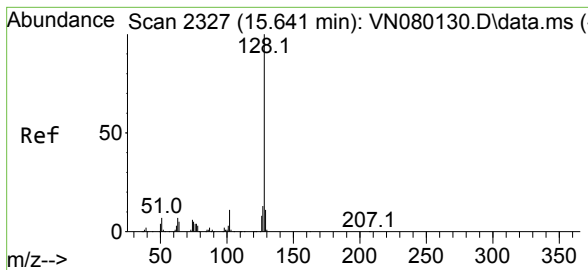
Tgt Ion:105 Resp: 2406
 Ion Ratio Lower Upper
 105 100
 134 0.0 9.8 29.3#



#90
 Hexachloroethane
 Concen: 0.536 ug/l
 RT: 14.441 min Scan# 2123
 Delta R.T. 0.106 min
 Lab File: VN080361.D
 Acq: 05 Dec 2023 13:12

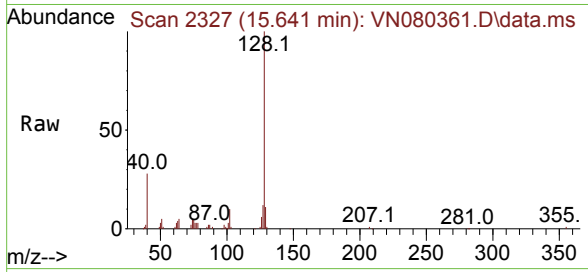
Tgt Ion:117 Resp: 920
 Ion Ratio Lower Upper
 117 100
 201 0.0 29.3 88.0#





#95
Naphthalene
Concen: 14.272 ug/l
RT: 15.641 min Scan# 21
Delta R.T. -0.000 min
Lab File: VN080361.D
Acq: 05 Dec 2023 13:12

Instrument :
MSVOA_N
ClientSampleId :



Tgt Ion:128 Resp: 116717
Ion Ratio Lower Upper
128 100
127 13.3 10.0 15.0
129 11.4 8.7 13.1

