

Data Path : Z:\voasrv\HPCHEM1\MSVOA_N\Data\VN120623\
 Data File : VN080396.D
 Acq On : 06 Dec 2023 19:08
 Operator : JC\MD
 Sample : 05650-03 50X
 Misc : 5.0mL/MSVOA_N/WATER
 ALS Vial : 22 Sample Multiplier: 1

Instrument :
 MSVOA_N
 ClientSampleId :

Quant Time: Dec 07 01:05:55 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)

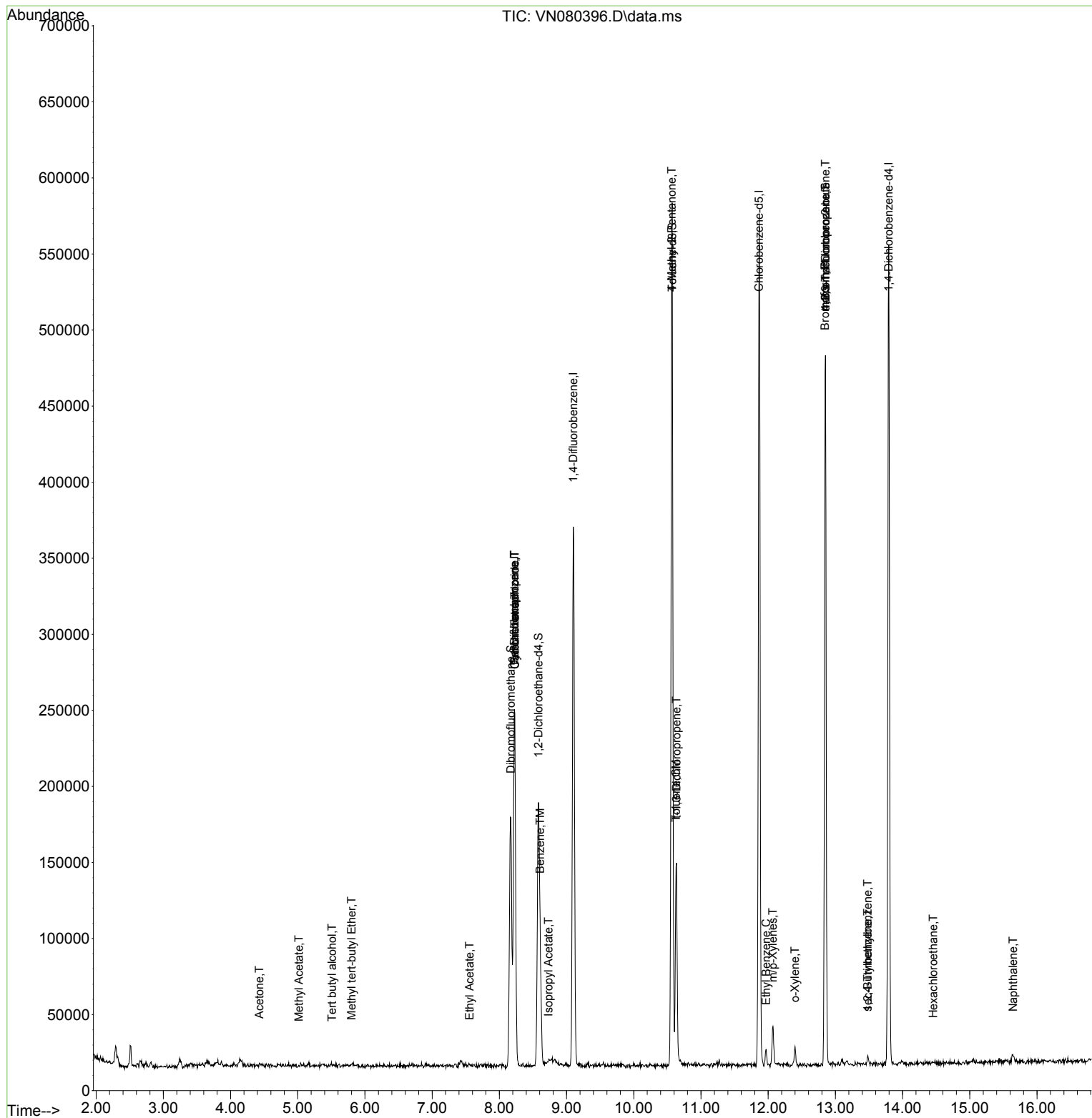
Internal Standards						
1) Pentafluorobenzene	8.224	168	168683	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	9.100	114	303232	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.865	117	324364	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.794	152	146431	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.583	65	146763	52.693	ug/l	0.00
Spiked Amount 50.000	Range 74 - 125		Recovery = 105.380%			
35) Dibromofluoromethane	8.171	113	118375	52.906	ug/l	0.00
Spiked Amount 50.000	Range 75 - 124		Recovery = 105.820%			
50) Toluene-d8	10.571	98	398884	49.455	ug/l	0.00
Spiked Amount 50.000	Range 86 - 113		Recovery = 98.920%			
62) 4-Bromofluorobenzene	12.853	95	158320	51.968	ug/l	0.00
Spiked Amount 50.000	Range 83 - 123		Recovery = 103.940%			
Target Compounds						
					Qvalue	
6) Chloroethane	3.101	64	288	Below Cal	#	43
11) Tert butyl alcohol	5.512	59	77	0.251	ug/l #	72
16) Acetone	4.430	43	2477	2.648	ug/l #	40
18) Methyl Acetate	5.018	43	758	0.252	ug/l #	58
19) Methyl tert-butyl Ether	5.800	73	2254	0.358	ug/l	96
31) Cyclohexane	8.230	56	3523	1.163	ug/l #	44
36) 1,1-Dichloropropene	8.224	75	14459	4.463	ug/l #	49
37) Ethyl Acetate	7.559	43	600	0.267	ug/l #	75
38) Carbon Tetrachloride	8.230	117	19251	4.683	ug/l #	15
40) Benzene	8.606	78	64941	7.054	ug/l	97
43) Isopropyl Acetate	8.730	43	3873	0.886	ug/l #	49
51) 4-Methyl-2-Pentanone	10.565	43	1492	0.659	ug/l #	1
52) Toluene	10.629	92	59494	10.326	ug/l	100
53) t-1,3-Dichloropropene	10.635	75	999	0.273	ug/l #	1
67) Ethyl Benzene	11.971	91	6240	0.477	ug/l #	83
68) m/p-Xylenes	12.071	106	7620	1.598	ug/l	87
69) o-Xylene	12.400	106	3279	0.730	ug/l	97
71) Bromoform	12.847	173	969	0.458	ug/l #	1
76) 1,2,3-Trichloropropane	12.853	75	92454	25.769	ug/l #	1
81) trans-1,4-Dichloro-2-b...	12.853	75	92454	87.063	ug/l #	15
84) 1,2,4-Trimethylbenzene	13.482	105	3402	0.349	ug/l	99
85) sec-Butylbenzene	13.482	105	3402	0.339	ug/l #	57
90) Hexachloroethane	14.459	117	354	0.202	ug/l #	21
95) Naphthalene	15.647	128	5864	0.703	ug/l #	94

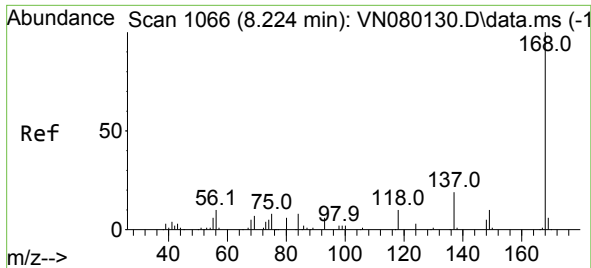
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Data Path : Z:\voasrv\HPCHEM1\MSVOA_N\Data\VN120623\
Data File : VN080396.D
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Instrument :
MSVOA_N
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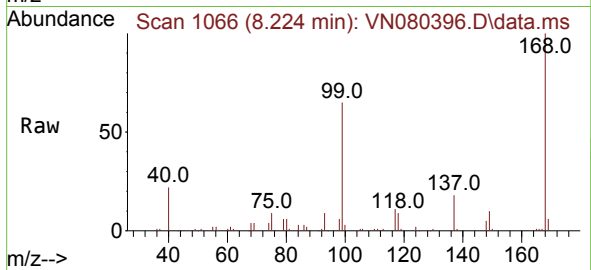
Quant Time: Dec 07 01:05:55 2023
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_N\methods\82N111623W.M
Quant Title : SW846 8260
QLast Update : Fri Nov 17 01:19:32 2023
Response via : Initial Calibration



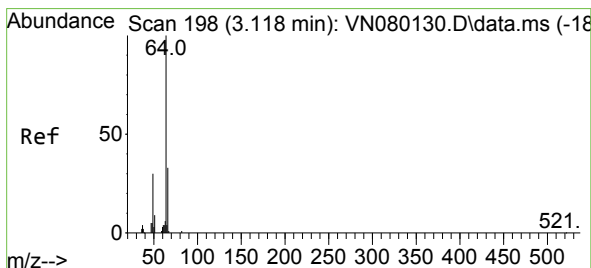
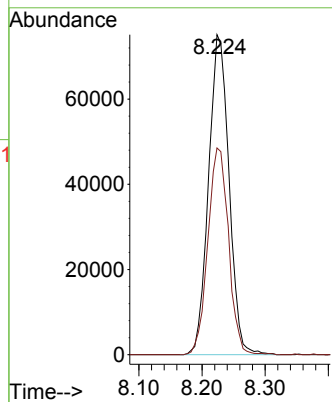
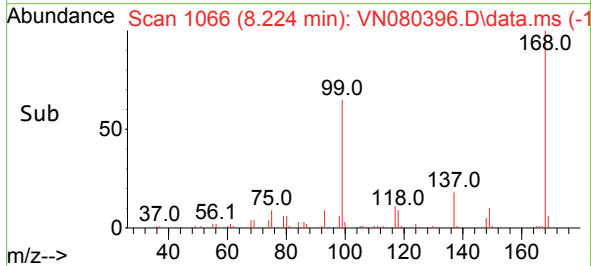


#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 8.224 min Scan# 1066
Delta R.T. -0.000 min
Lab File: VN080396.D
Acq: 06 Dec 2023 19:08

Instrument :
MSVOA_N
ClientSampleId :

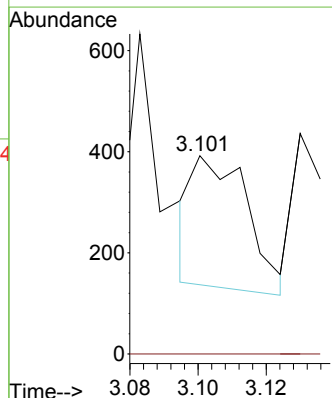
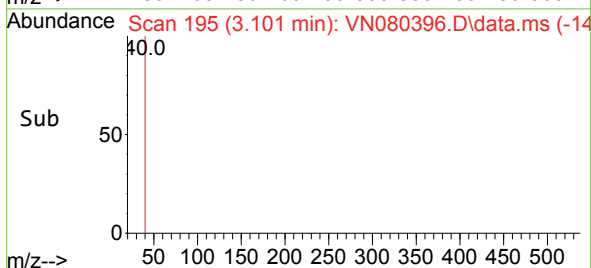
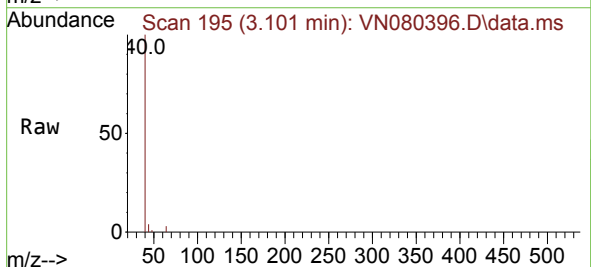


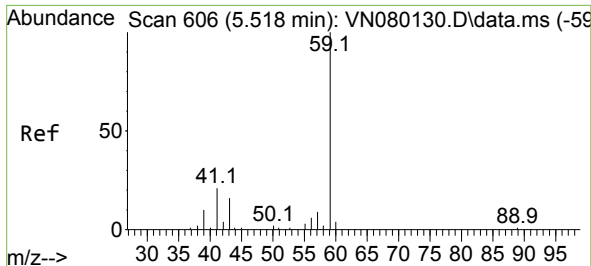
Tgt Ion:168 Resp: 168683
Ion Ratio Lower Upper
168 100
99 64.6 53.0 79.6



#6
Chloroethane
Concen: Below Cal
RT: 3.101 min Scan# 195
Delta R.T. -0.017 min
Lab File: VN080396.D
Acq: 06 Dec 2023 19:08

Tgt Ion: 64 Resp: 288
Ion Ratio Lower Upper
64 100
66 0.0 25.4 38.2#

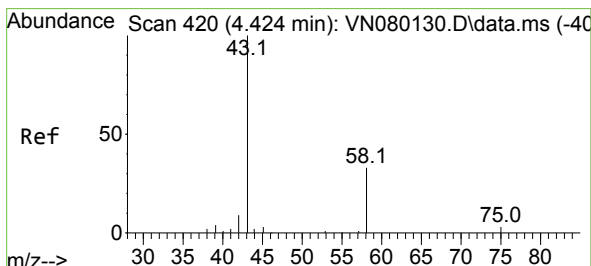
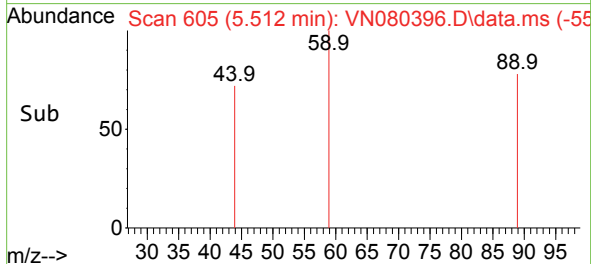
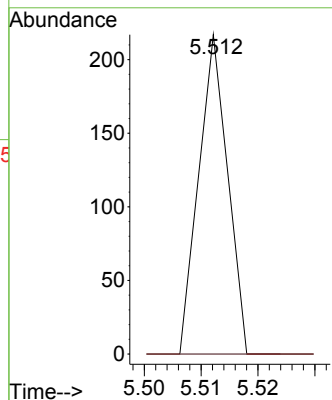
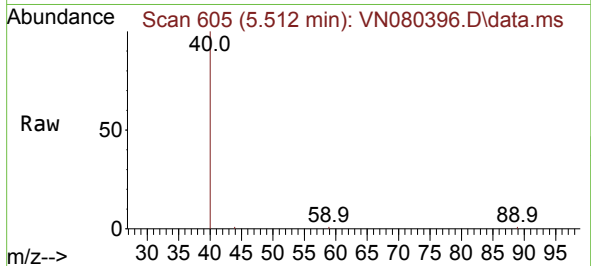




#11
Tert butyl alcohol
Concen: 0.251 ug/l
RT: 5.512 min Scan# 606
Delta R.T. -0.006 min
Lab File: VN080396.D
Acq: 06 Dec 2023 19:08

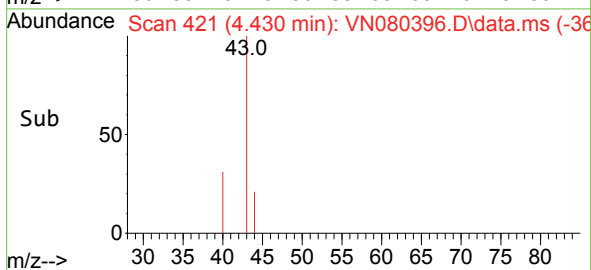
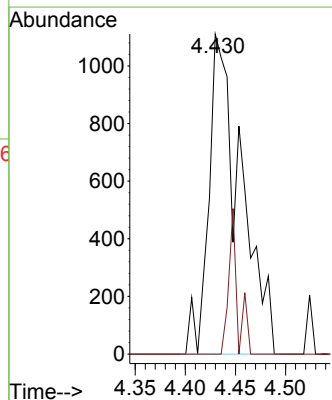
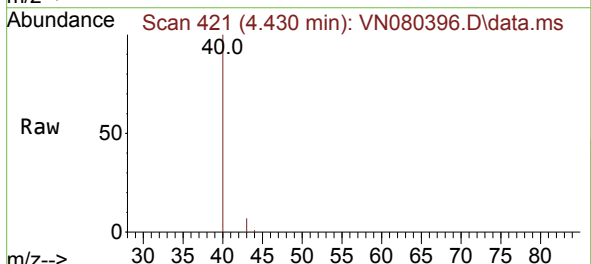
Instrument :
MSVOA_N
ClientSampleId :

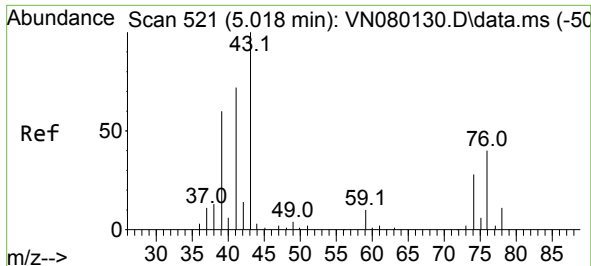
Tgt Ion: 59 Resp: 77
Ion Ratio Lower Upper
59 100
57 0.0 8.2 12.4#



#16
Acetone
Concen: 2.648 ug/l
RT: 4.430 min Scan# 421
Delta R.T. 0.006 min
Lab File: VN080396.D
Acq: 06 Dec 2023 19:08

Tgt Ion: 43 Resp: 2477
Ion Ratio Lower Upper
43 100
58 0.0 28.0 42.0#

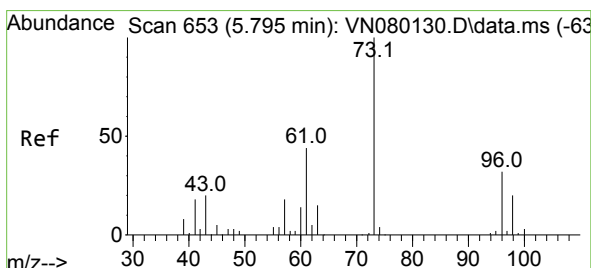
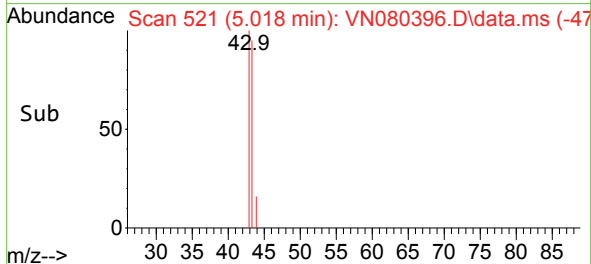
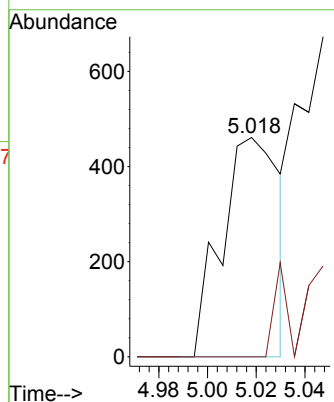
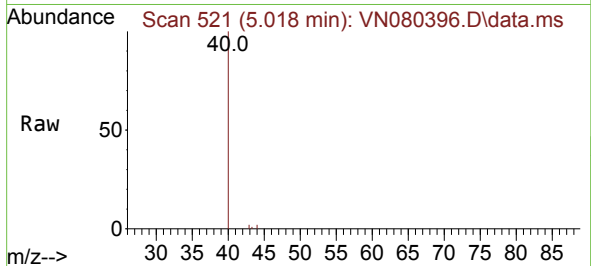




#18
Methyl Acetate
Concen: 0.252 ug/l
RT: 5.018 min Scan# 51
Delta R.T. -0.000 min
Lab File: VN080396.D
Acq: 06 Dec 2023 19:08

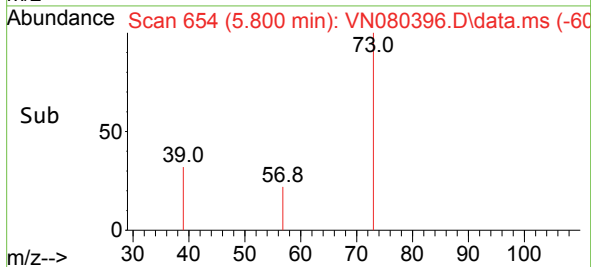
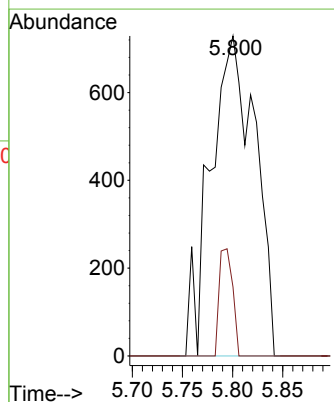
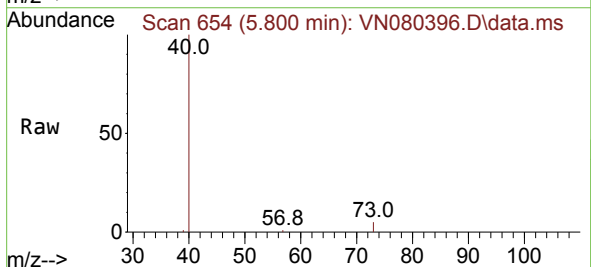
Instrument :
MSVOA_N
ClientSampleId :

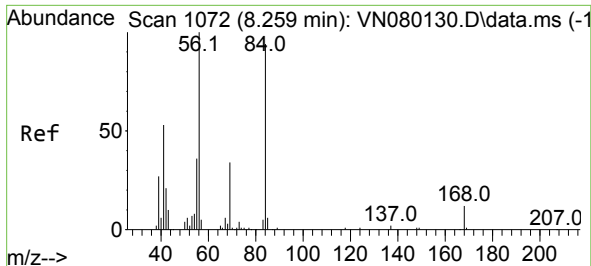
Tgt Ion: 43 Resp: 758
Ion Ratio Lower Upper
43 100
74 9.2 26.2 39.4#



#19
Methyl tert-butyl Ether
Concen: 0.358 ug/l
RT: 5.800 min Scan# 654
Delta R.T. 0.006 min
Lab File: VN080396.D
Acq: 06 Dec 2023 19:08

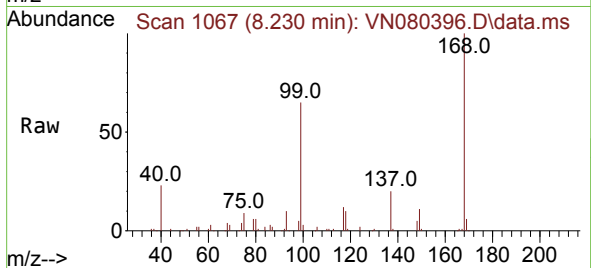
Tgt Ion: 73 Resp: 2254
Ion Ratio Lower Upper
73 100
57 21.5 15.6 23.4



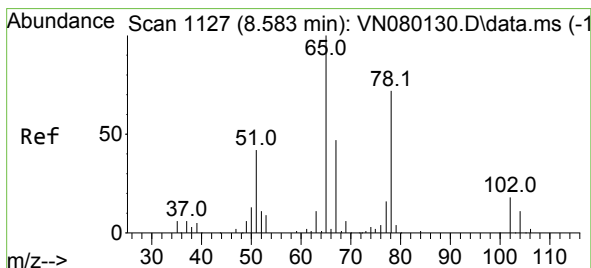
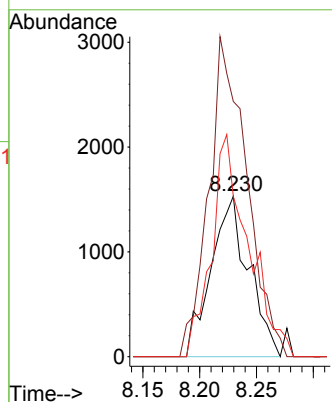
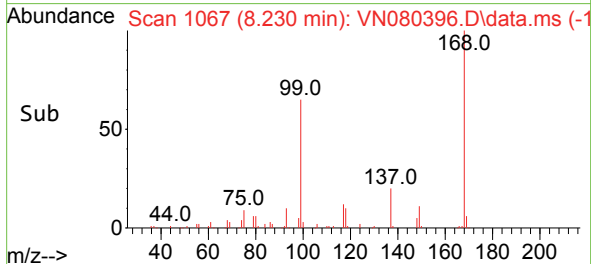


#31
Cyclohexane
Concen: 1.163 ug/l
RT: 8.230 min Scan# 1067
Delta R.T. -0.029 min
Lab File: VN080396.D
Acq: 06 Dec 2023 19:08

Instrument :
MSVOA_N
ClientSampleId :

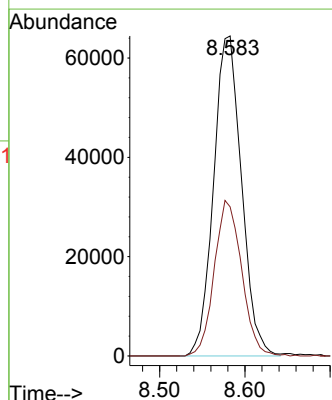
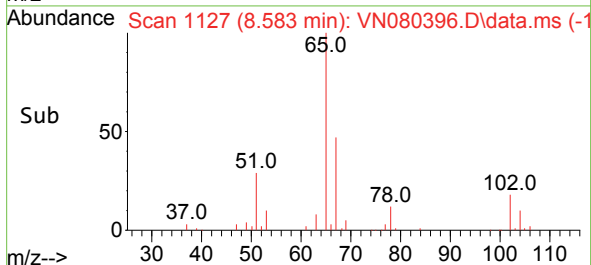
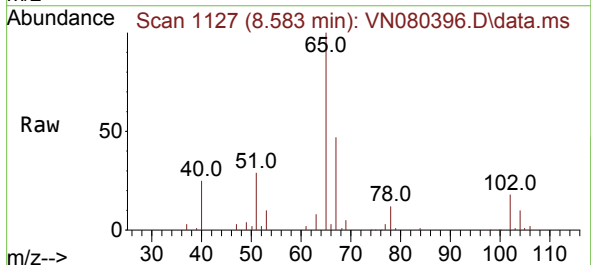


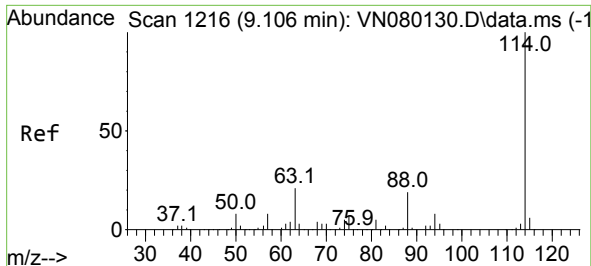
Tgt Ion: 56 Resp: 3523
Ion Ratio Lower Upper
56 100
69 159.0 26.8 40.2#
84 99.9 81.8 122.6



#33
1,2-Dichloroethane-d4
Concen: 52.693 ug/l
RT: 8.583 min Scan# 1127
Delta R.T. -0.000 min
Lab File: VN080396.D
Acq: 06 Dec 2023 19:08

Tgt Ion: 65 Resp: 146763
Ion Ratio Lower Upper
65 100
67 47.6 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: VN080396.D

Acq: 06 Dec 2023 19:08

Instrument :

MSVOA_N

ClientSampleId :

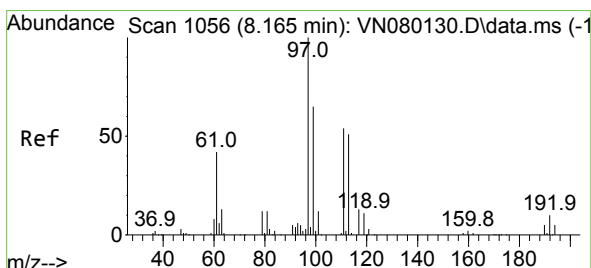
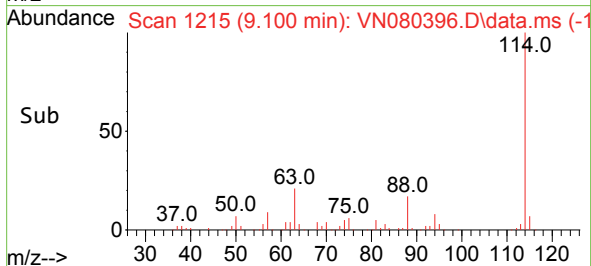
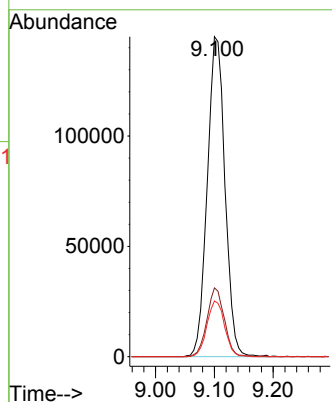
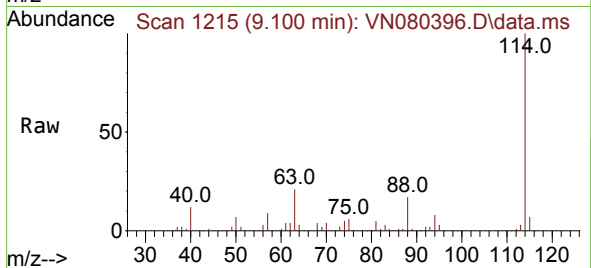
Tgt Ion:114 Resp: 303232

Ion Ratio Lower Upper

114 100

63 21.5 0.0 36.4

88 17.4 0.0 30.6



#35

Dibromofluoromethane

Concen: 52.906 ug/l

RT: 8.171 min Scan# 1057

Delta R.T. 0.006 min

Lab File: VN080396.D

Acq: 06 Dec 2023 19:08

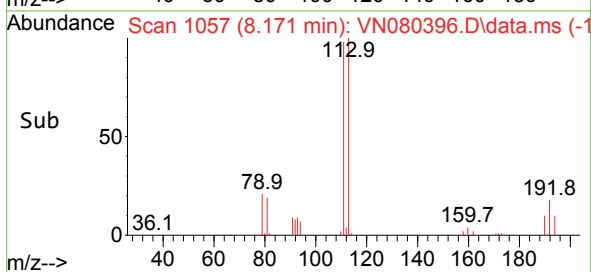
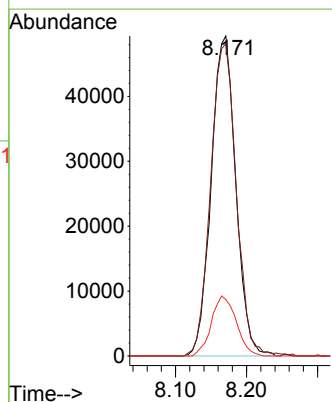
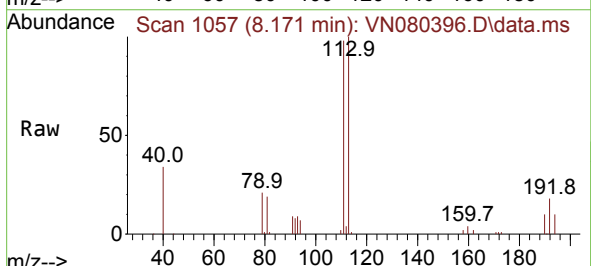
Tgt Ion:113 Resp: 118375

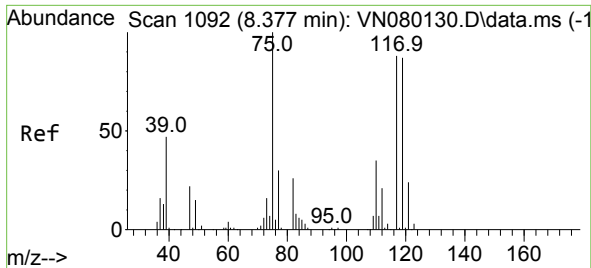
Ion Ratio Lower Upper

113 100

111 101.9 82.6 123.8

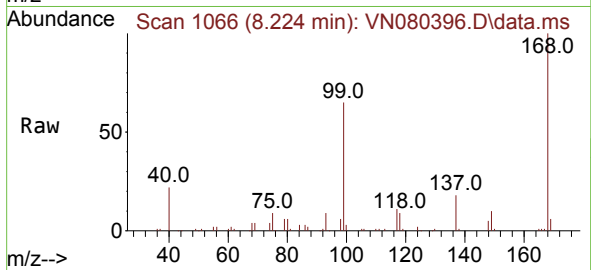
192 19.0 12.7 19.1



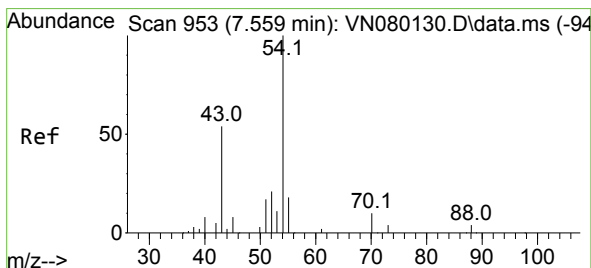
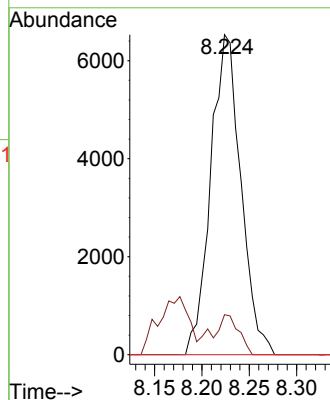
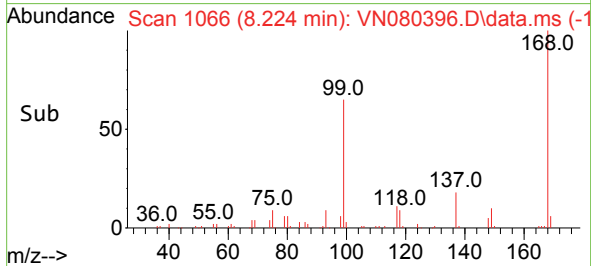


#36
1,1-Dichloropropene
Concen: 4.463 ug/l
RT: 8.224 min Scan# 1066
Delta R.T. -0.153 min
Lab File: VN080396.D
Acq: 06 Dec 2023 19:08

Instrument :
MSVOA_N
ClientSampleId :

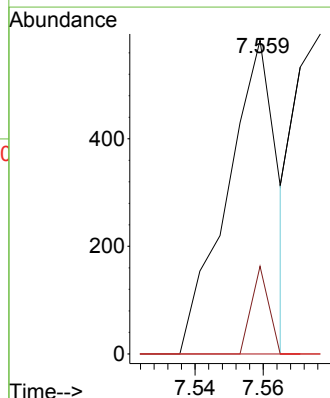
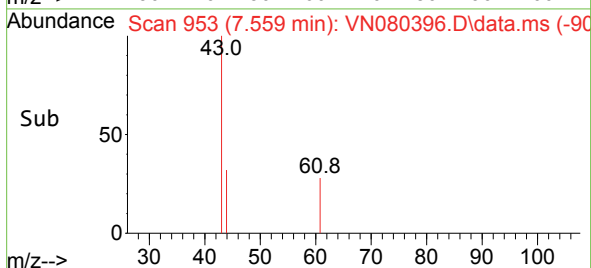
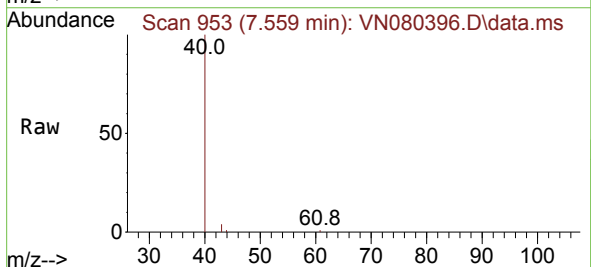


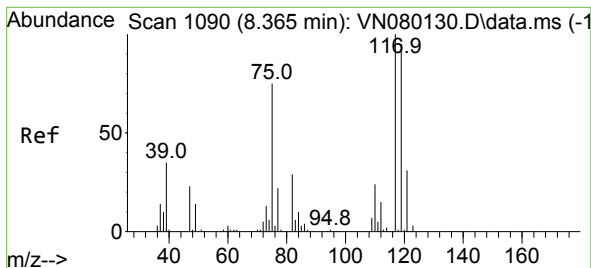
Tgt Ion: 75 Resp: 14459
Ion Ratio Lower Upper
75 100
110 10.1 19.1 57.3#
77 0.0 25.0 37.4#



#37
Ethyl Acetate
Concen: 0.267 ug/l
RT: 7.559 min Scan# 953
Delta R.T. -0.000 min
Lab File: VN080396.D
Acq: 06 Dec 2023 19:08

Tgt Ion: 43 Resp: 600
Ion Ratio Lower Upper
43 100
61 9.7 13.2 19.8#
70 0.0 11.3 16.9#





#38

Carbon Tetrachloride

Concen: 4.683 ug/l

RT: 8.230 min Scan# 1067

Delta R.T. -0.135 min

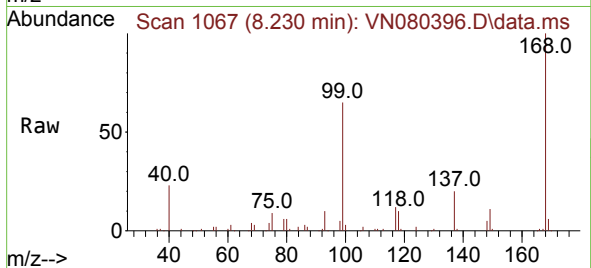
Lab File: VN080396.D

Acq: 06 Dec 2023 19:08

Instrument :

MSVOA_N

ClientSampleId :



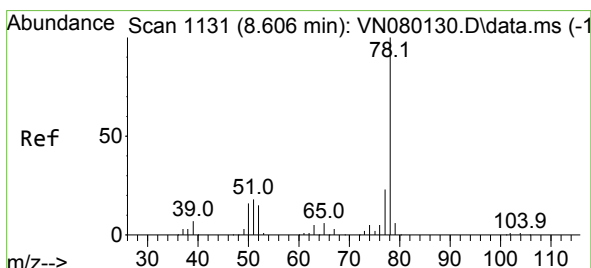
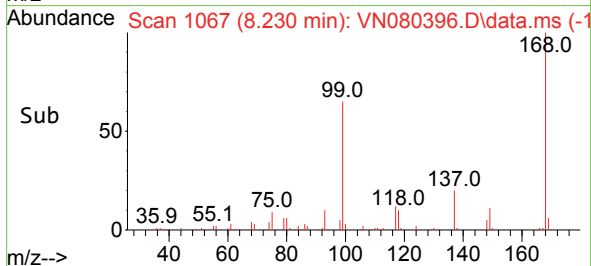
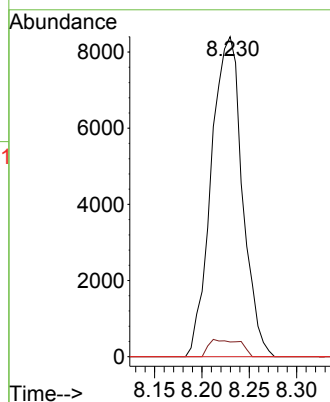
Tgt Ion:117 Resp: 19251

Ion Ratio Lower Upper

117 100

119 4.6 77.3 115.9#

121 0.0 23.3 34.9#



#40

Benzene

Concen: 7.054 ug/l

RT: 8.606 min Scan# 1131

Delta R.T. -0.000 min

Lab File: VN080396.D

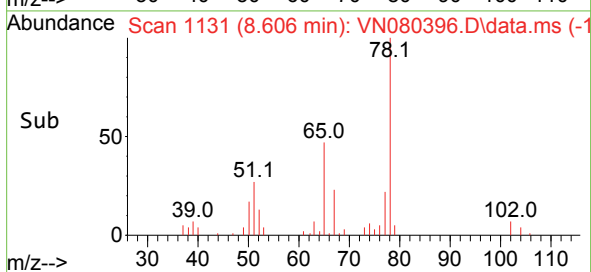
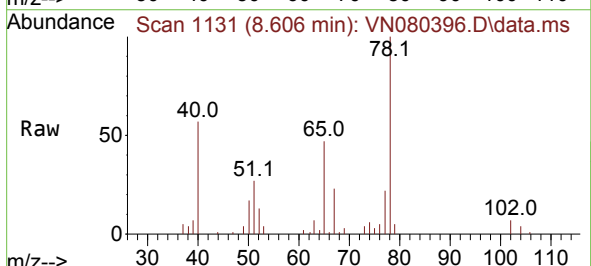
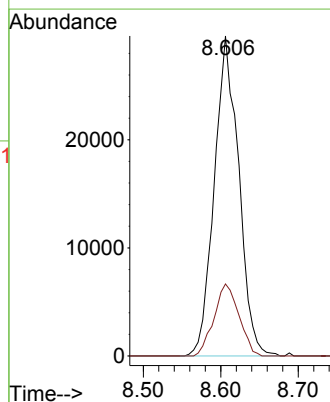
Acq: 06 Dec 2023 19:08

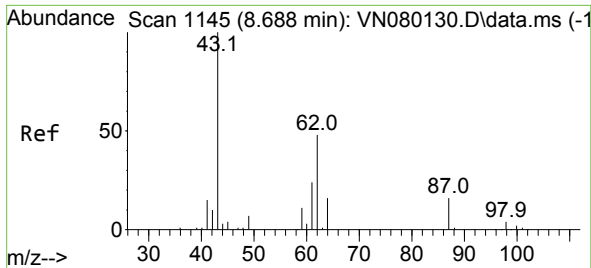
Tgt Ion: 78 Resp: 64941

Ion Ratio Lower Upper

78 100

77 22.5 19.0 28.6

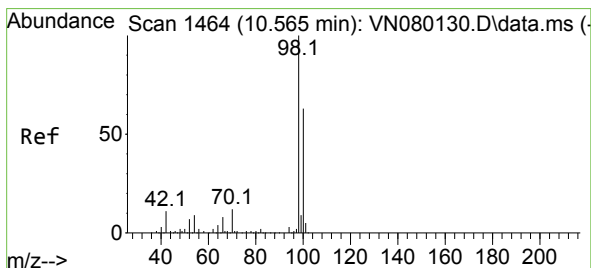
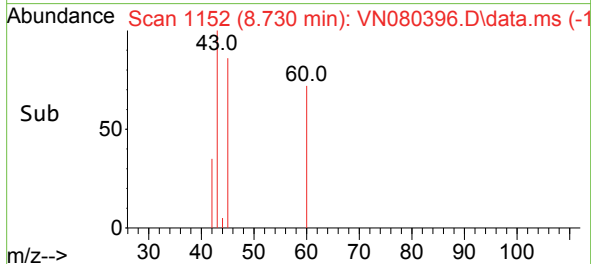
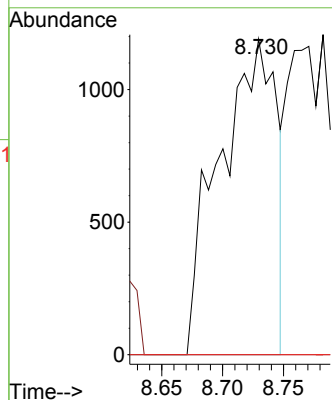
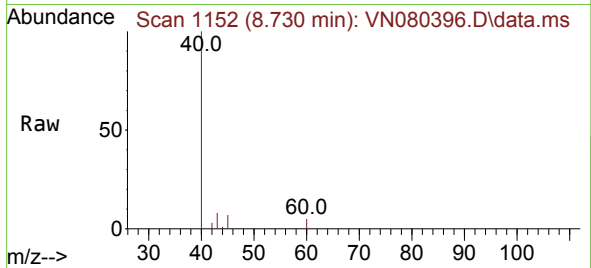




#43
Isopropyl Acetate
Concen: 0.886 ug/l
RT: 8.730 min Scan# 1145
Delta R.T. 0.041 min
Lab File: VN080396.D
Acq: 06 Dec 2023 19:08

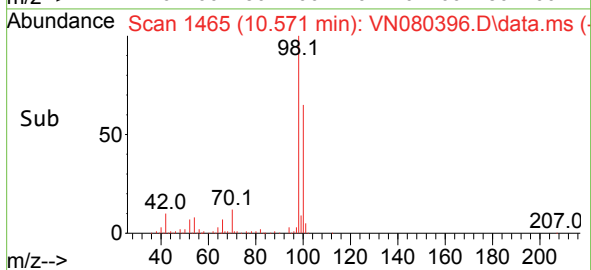
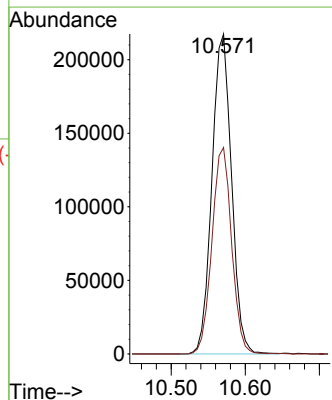
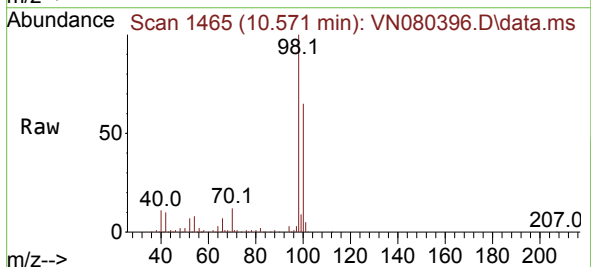
Instrument :
MSVOA_N
ClientSampleId :

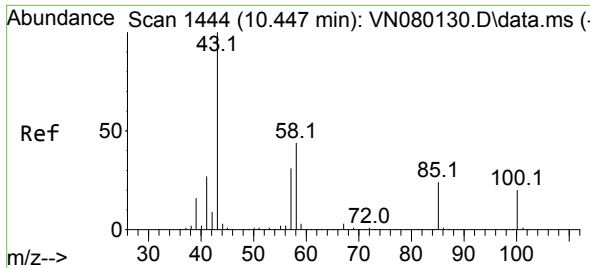
Tgt Ion: 43 Resp: 3873
Ion Ratio Lower Upper
43 100
61 0.0 24.7 37.1#
87 0.0 14.6 21.8#



#50
Toluene-d8
Concen: 49.455 ug/l
RT: 10.571 min Scan# 1465
Delta R.T. 0.006 min
Lab File: VN080396.D
Acq: 06 Dec 2023 19:08

Tgt Ion: 98 Resp: 398884
Ion Ratio Lower Upper
98 100
100 64.8 52.0 78.0

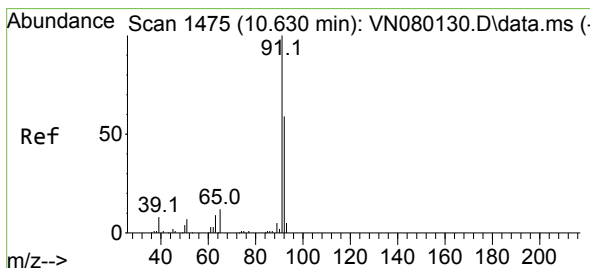
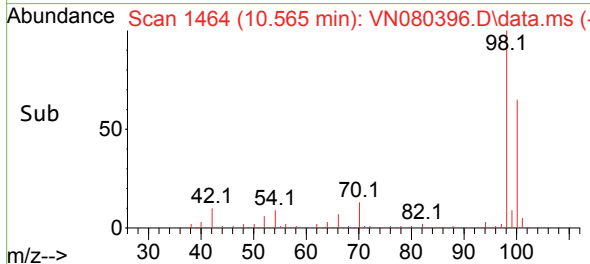
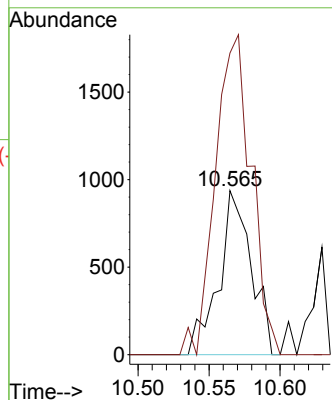
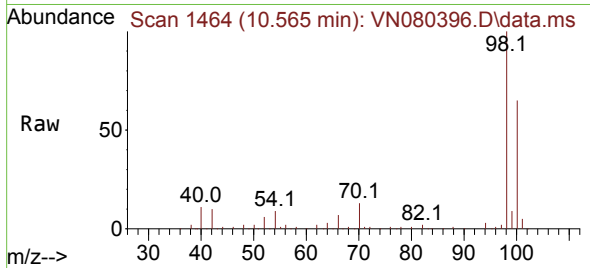




#51
4-Methyl-2-Pentanone
Concen: 0.659 ug/l
RT: 10.565 min Scan# 1464
Delta R.T. 0.118 min
Lab File: VN080396.D
Acq: 06 Dec 2023 19:08

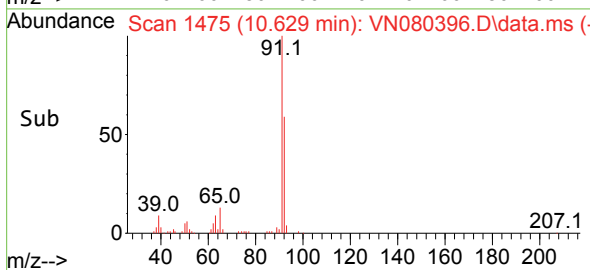
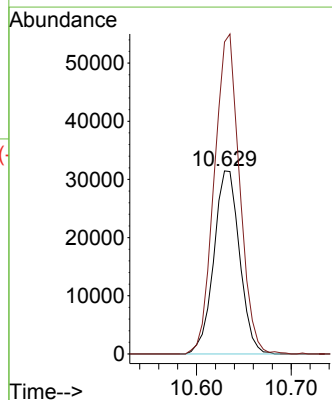
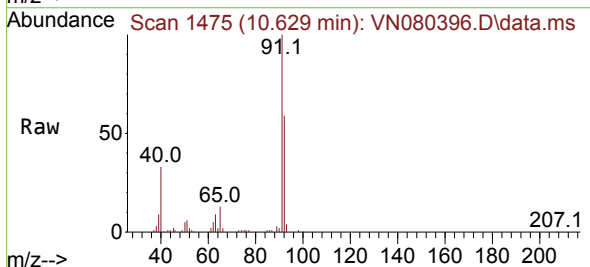
Instrument :
MSVOA_N
ClientSampleId :

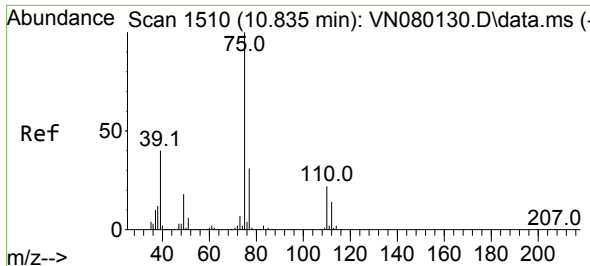
Tgt Ion: 43 Resp: 1492
Ion Ratio Lower Upper
43 100
58 215.7 36.6 54.8#



#52
Toluene
Concen: 10.326 ug/l
RT: 10.629 min Scan# 1475
Delta R.T. -0.000 min
Lab File: VN080396.D
Acq: 06 Dec 2023 19:08

Tgt Ion: 92 Resp: 59494
Ion Ratio Lower Upper
92 100
91 171.8 137.4 206.0

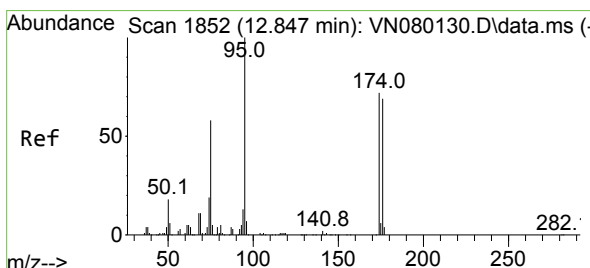
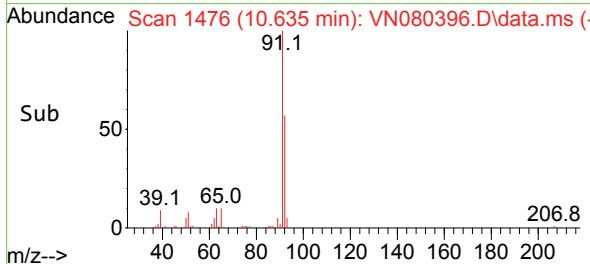
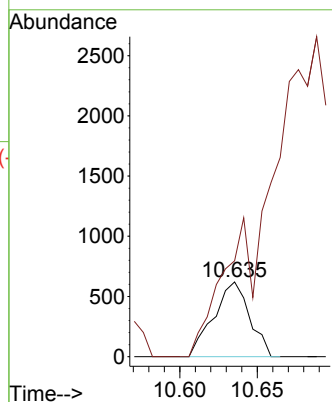
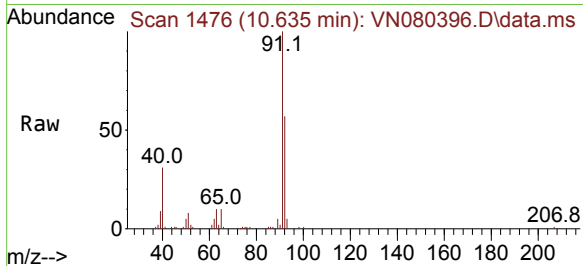




#53
t-1,3-Dichloropropene
Concen: 0.273 ug/l
RT: 10.635 min Scan# 14
Delta R.T. -0.200 min
Lab File: VN080396.D
Acq: 06 Dec 2023 19:08

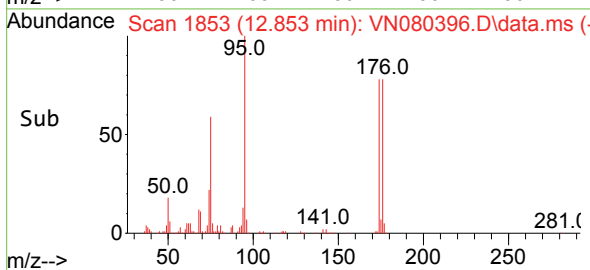
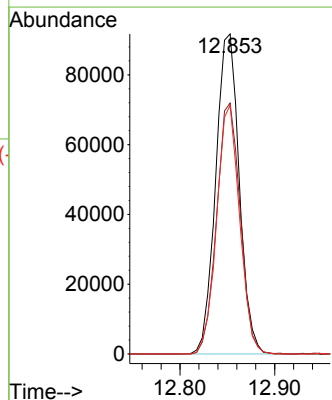
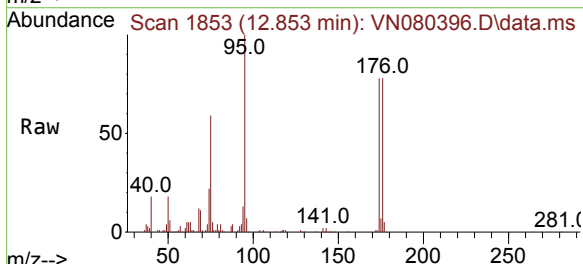
Instrument :
MSVOA_N
ClientSampleId :

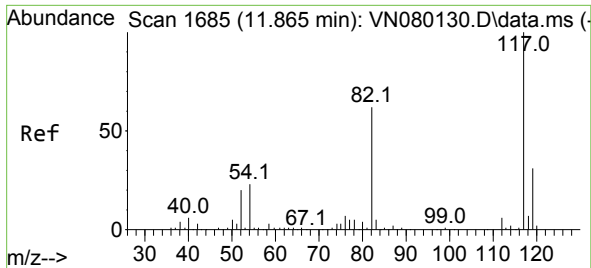
Tgt Ion: 75 Resp: 999
Ion Ratio Lower Upper
75 100
77 128.2 25.4 38.0#



#62
4-Bromofluorobenzene
Concen: 51.968 ug/l
RT: 12.853 min Scan# 1853
Delta R.T. 0.006 min
Lab File: VN080396.D
Acq: 06 Dec 2023 19:08

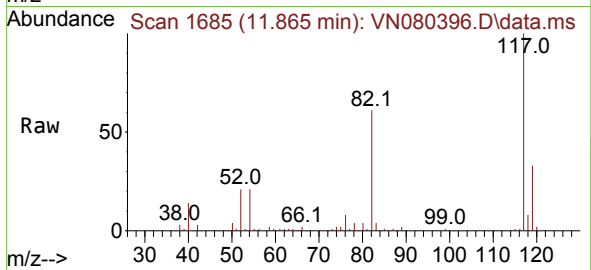
Tgt Ion: 95 Resp: 158320
Ion Ratio Lower Upper
95 100
174 78.6 0.0 143.8
176 75.7 0.0 135.8



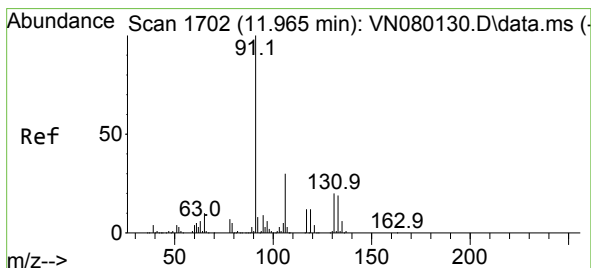
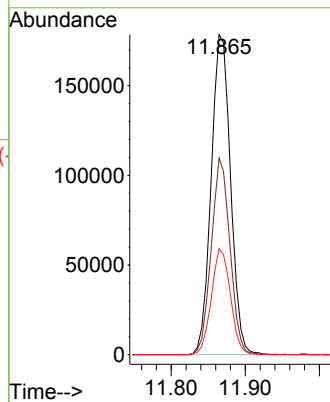
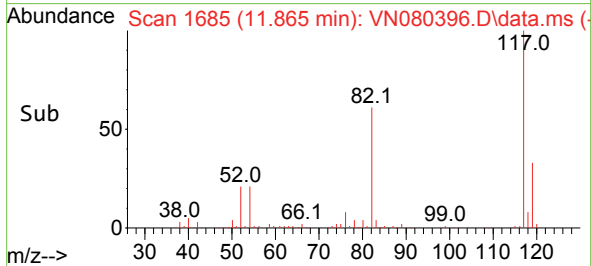


#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.865 min Scan# 117
Delta R.T. -0.000 min
Lab File: VN080396.D
Acq: 06 Dec 2023 19:08

Instrument :
MSVOA_N
ClientSampleId :

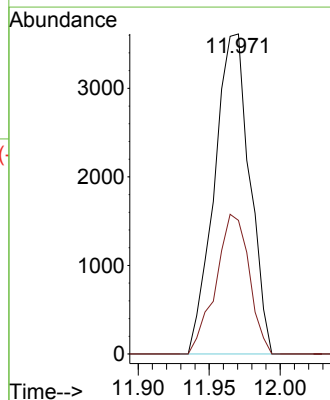
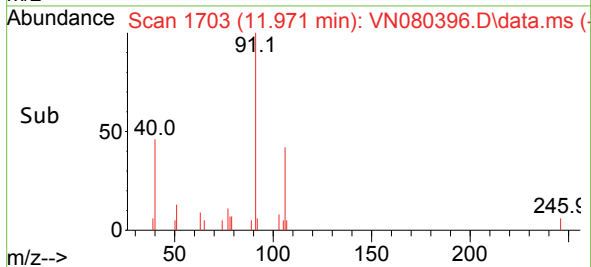
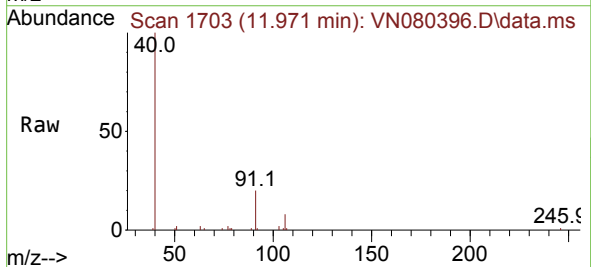


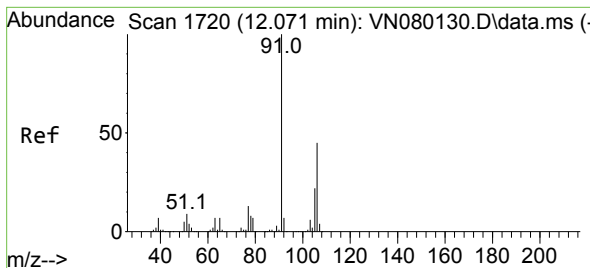
Tgt Ion:117 Resp: 324364
Ion Ratio Lower Upper
117 100
82 61.4 44.0 66.0
119 33.2 25.6 38.4



#67
Ethyl Benzene
Concen: 0.477 ug/l
RT: 11.971 min Scan# 1703
Delta R.T. 0.006 min
Lab File: VN080396.D
Acq: 06 Dec 2023 19:08

Tgt Ion: 91 Resp: 6240
Ion Ratio Lower Upper
91 100
106 41.8 25.6 38.4#





#68

m/p-Xylenes

Concen: 1.598 ug/l

RT: 12.071 min Scan# 1720

Delta R.T. -0.000 min

Lab File: VN080396.D

Acq: 06 Dec 2023 19:08

Instrument :

MSVOA_N

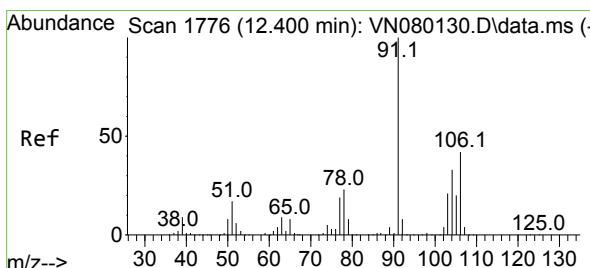
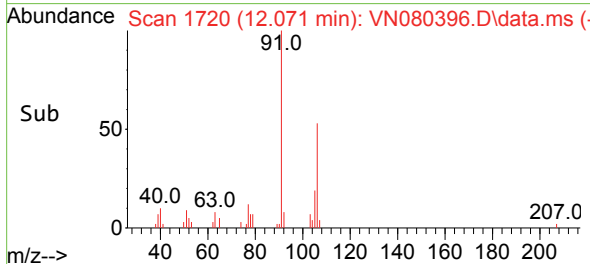
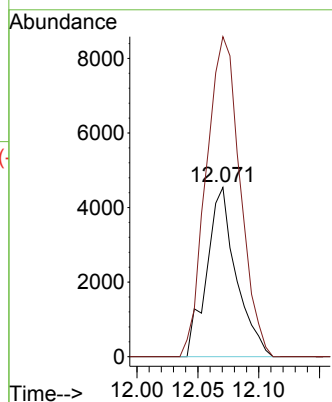
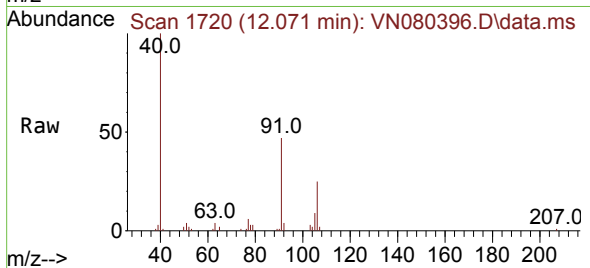
ClientSampleId :

Tgt Ion:106 Resp: 7620

Ion Ratio Lower Upper

106 100

91 218.7 159.6 239.4



#69

o-Xylene

Concen: 0.730 ug/l

RT: 12.400 min Scan# 1776

Delta R.T. -0.000 min

Lab File: VN080396.D

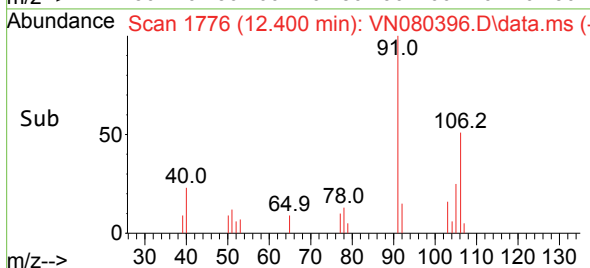
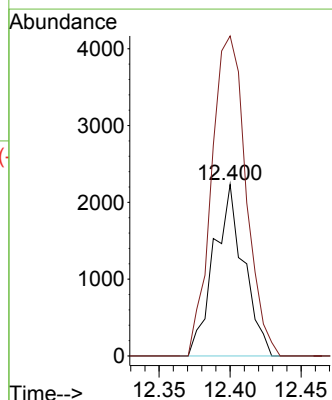
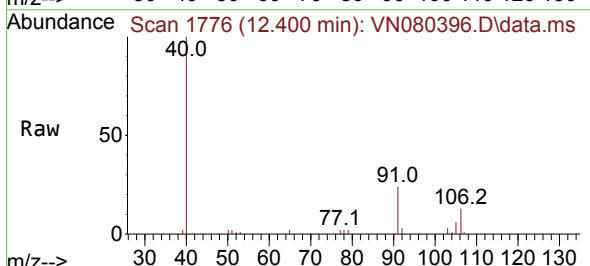
Acq: 06 Dec 2023 19:08

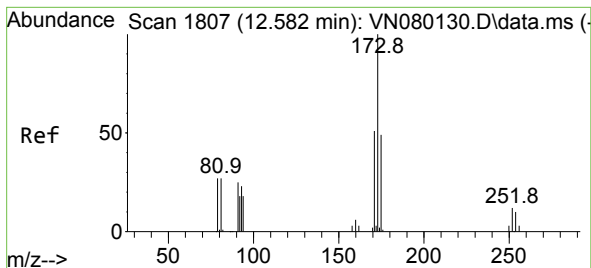
Tgt Ion:106 Resp: 3279

Ion Ratio Lower Upper

106 100

91 214.4 105.2 315.5





#71

Bromoform

Concen: 0.458 ug/l

RT: 12.847 min Scan# 11

Delta R.T. 0.265 min

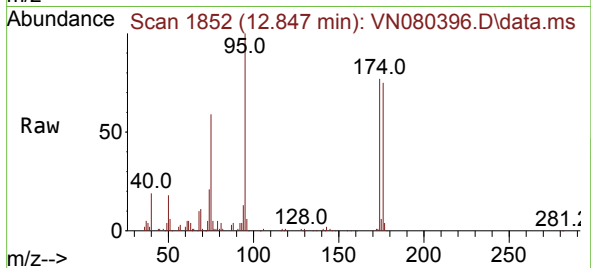
Lab File: VN080396.D

Acq: 06 Dec 2023 19:08

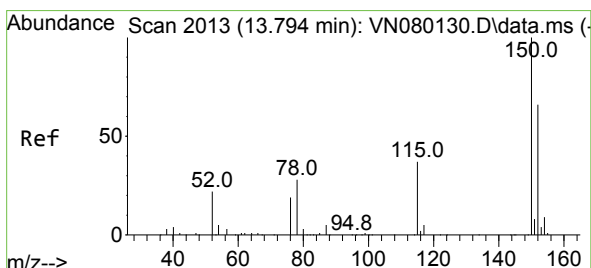
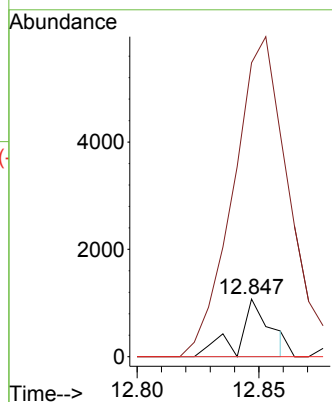
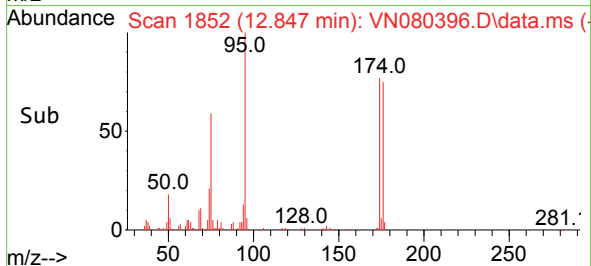
Instrument :

MSVOA_N

ClientSampleId :



Tgt Ion:	173	Resp:	969
Ion Ratio	Lower	Upper	
173	100		
175	815.3	24.3	73.0#
254	0.0	0.0	0.0



#72

1,4-Dichlorobenzene-d4

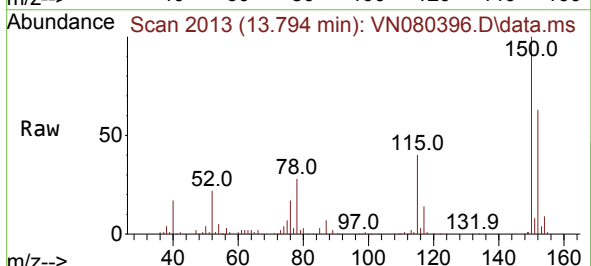
Concen: 50.000 ug/l

RT: 13.794 min Scan# 2013

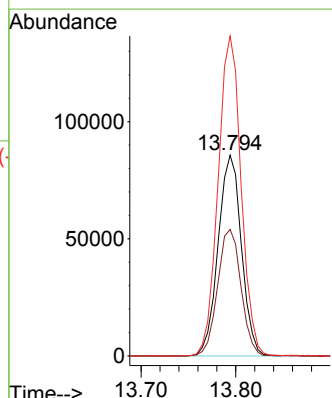
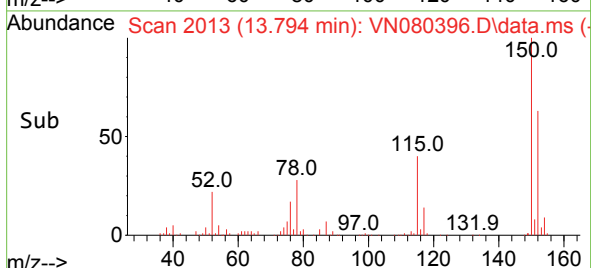
Delta R.T. -0.000 min

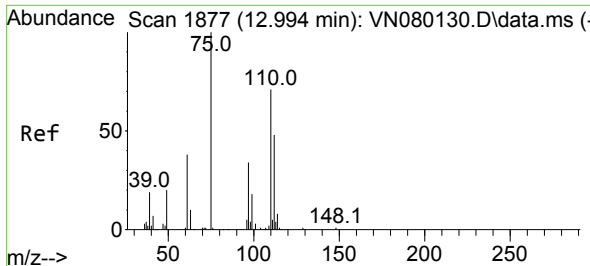
Lab File: VN080396.D

Acq: 06 Dec 2023 19:08



Tgt Ion:	152	Resp:	146431
Ion Ratio	Lower	Upper	
152	100		
115	63.4	32.3	96.8
150	157.3	0.0	355.8

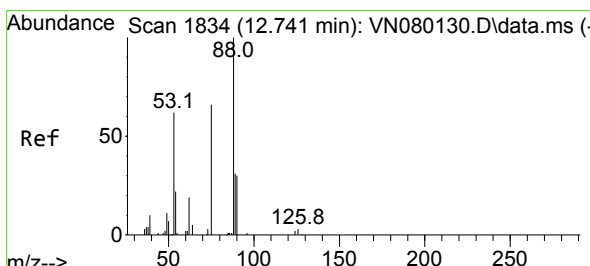
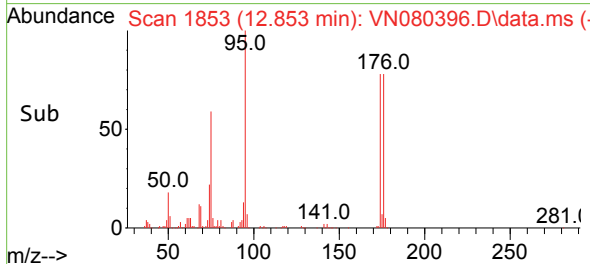
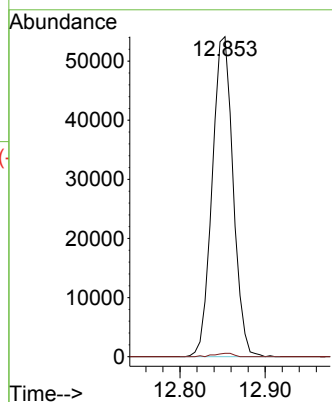
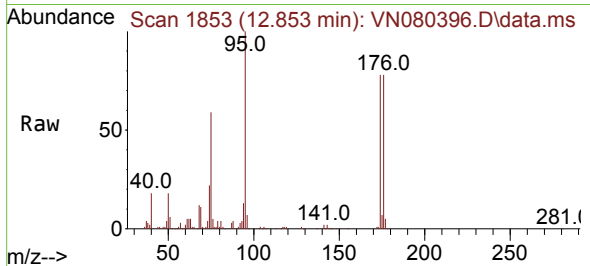




#76
1,2,3-Trichloropropane
Concen: 25.769 ug/l
RT: 12.853 min Scan# 1853
Delta R.T. -0.141 min
Lab File: VN080396.D
Acq: 06 Dec 2023 19:08

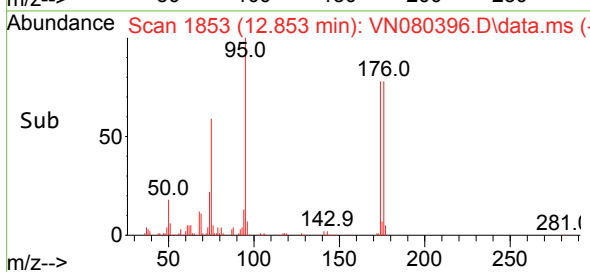
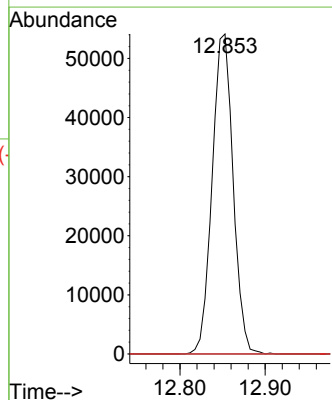
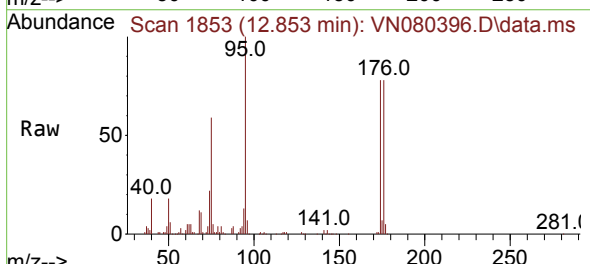
Instrument :
MSVOA_N
ClientSampleId :

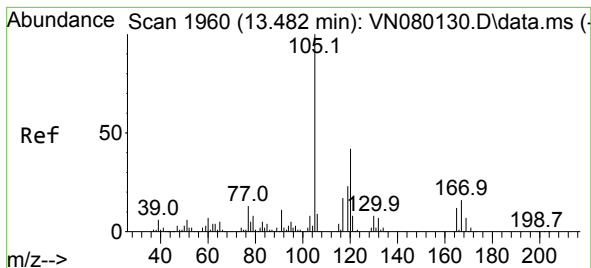
Tgt Ion: 75 Resp: 92454
Ion Ratio Lower Upper
75 100
77 1.0 84.5 253.5#



#81
trans-1,4-Dichloro-2-butene
Concen: 87.063 ug/l
RT: 12.853 min Scan# 1853
Delta R.T. 0.112 min
Lab File: VN080396.D
Acq: 06 Dec 2023 19:08

Tgt Ion: 75 Resp: 92454
Ion Ratio Lower Upper
75 100
53 0.0 67.4 101.2#
89 0.0 38.8 58.2#





#84

1,2,4-Trimethylbenzene

Concen: 0.349 ug/l

RT: 13.482 min Scan# 1960

Delta R.T. -0.000 min

Lab File: VN080396.D

Acq: 06 Dec 2023 19:08

Instrument :

MSVOA_N

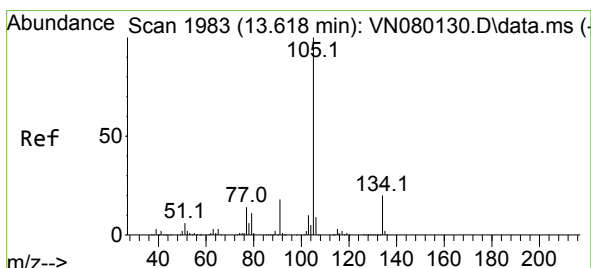
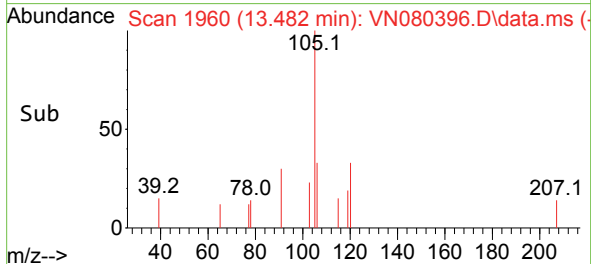
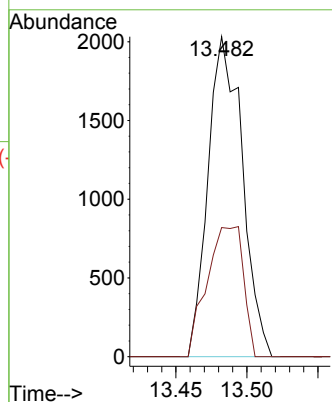
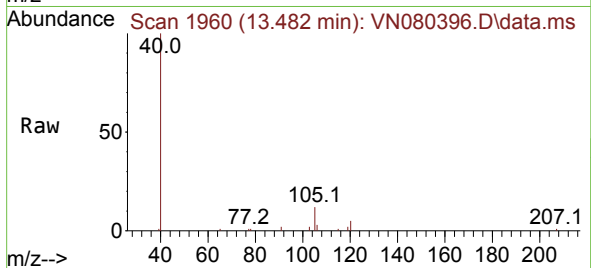
ClientSampleId :

Tgt Ion:105 Resp: 3402

Ion Ratio Lower Upper

105 100

120 43.1 22.0 66.0



#85

sec-Butylbenzene

Concen: 0.339 ug/l

RT: 13.482 min Scan# 1960

Delta R.T. -0.135 min

Lab File: VN080396.D

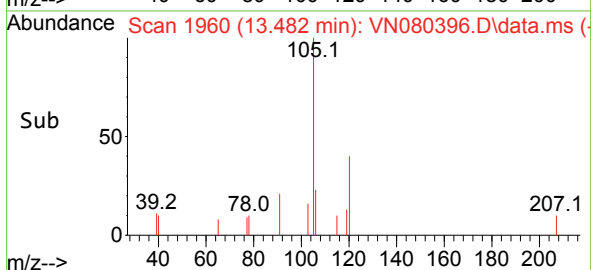
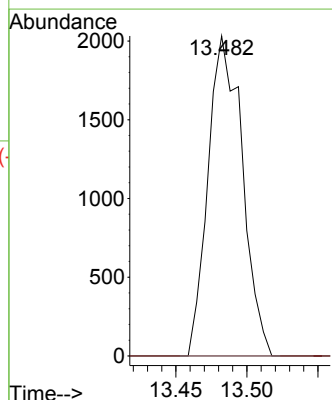
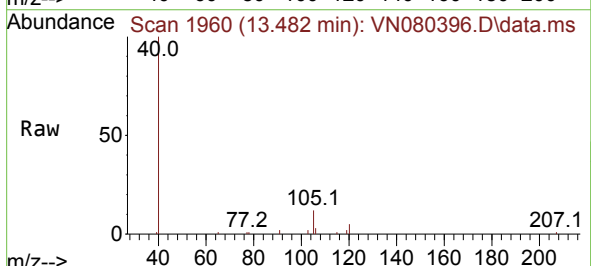
Acq: 06 Dec 2023 19:08

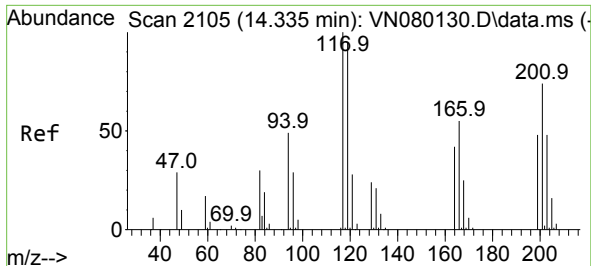
Tgt Ion:105 Resp: 3402

Ion Ratio Lower Upper

105 100

134 0.0 9.8 29.3#

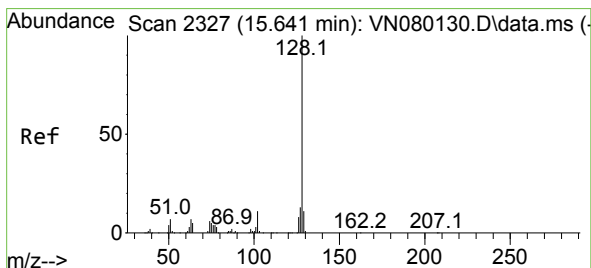
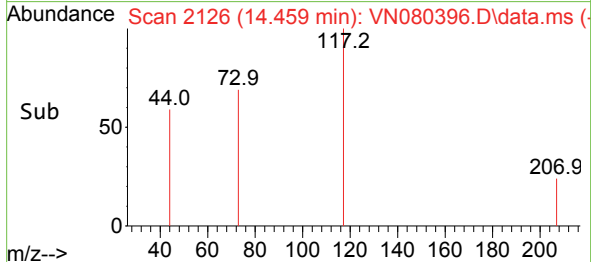
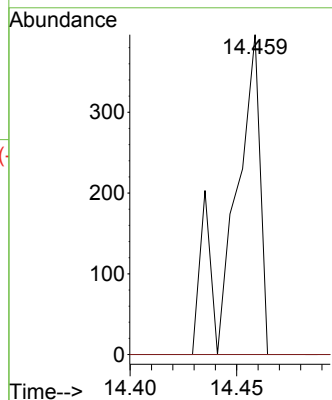
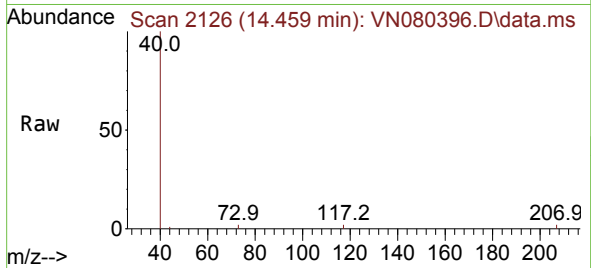




#90
Hexachloroethane
Concen: 0.202 ug/l
RT: 14.459 min Scan# 2105
Delta R.T. 0.123 min
Lab File: VN080396.D
Acq: 06 Dec 2023 19:08

Instrument :
MSVOA_N
ClientSampleId :

Tgt Ion:117 Resp: 354
Ion Ratio Lower Upper
117 100
201 0.0 29.3 88.0#



#95
Naphthalene
Concen: 0.703 ug/l
RT: 15.647 min Scan# 2328
Delta R.T. 0.006 min
Lab File: VN080396.D
Acq: 06 Dec 2023 19:08

Tgt Ion:128 Resp: 5864
Ion Ratio Lower Upper
128 100
127 12.6 10.0 15.0
129 6.0 8.7 13.1#

