

Data Path : Z:\voasrv\HPCHEM1\MSVOA_N\Data\VN120523\
 Data File : VN080362.D
 Acq On : 05 Dec 2023 13:36
 Operator : JC\MD
 Sample : 05622-04 20X
 Misc : 5.0mL/MSVOA_N/WATER
 ALS Vial : 10 Sample Multiplier: 1

Instrument :
 MSVOA_N
 ClientSampleId :

Quant Time: Dec 06 00:50:59 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)

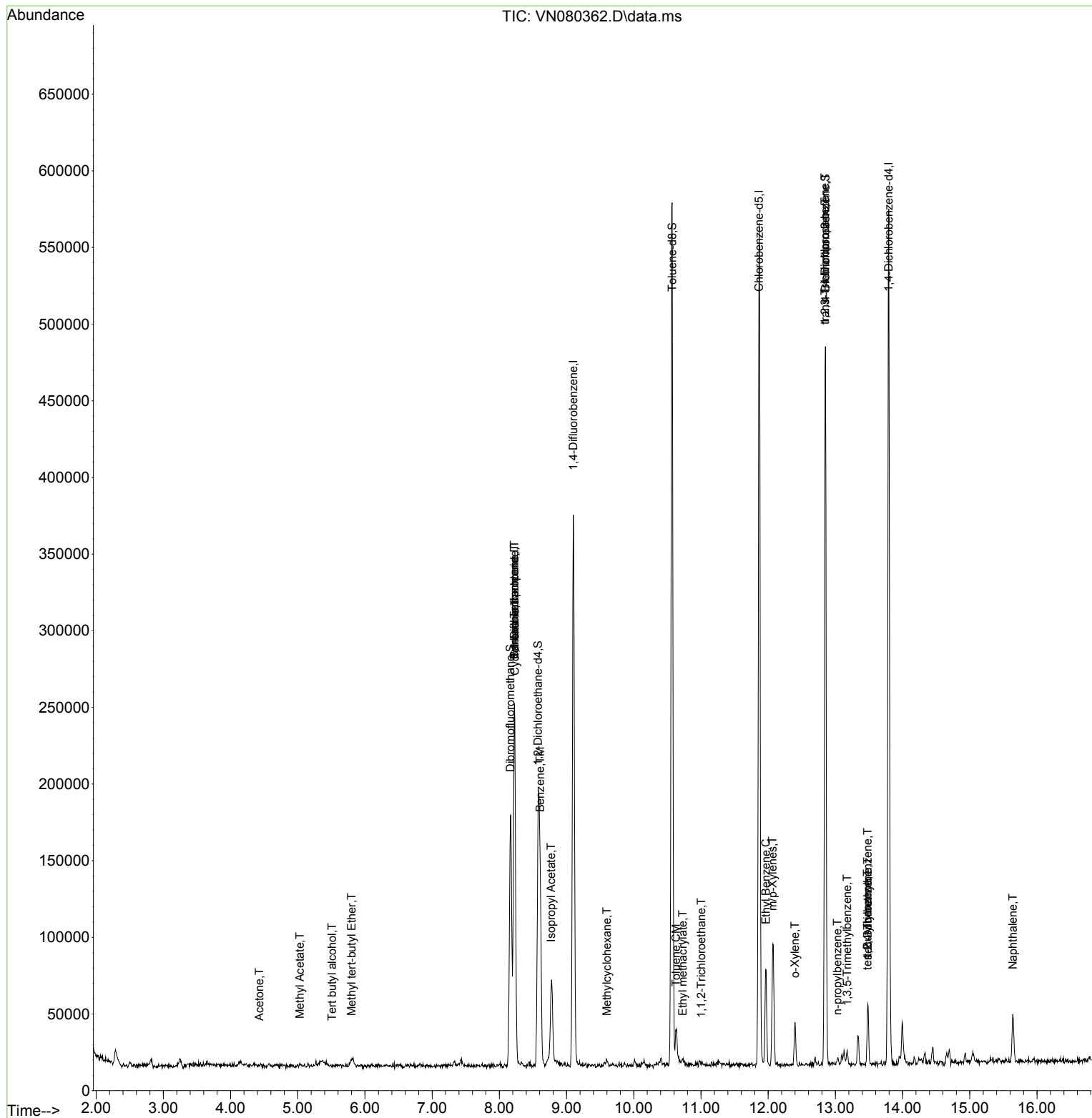
Internal Standards						
1) Pentafluorobenzene	8.224	168	161856	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	9.100	114	299478	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.865	117	317162	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.794	152	150495	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.577	65	143137	53.559	ug/l	0.00
Spiked Amount 50.000	Range 74 - 125		Recovery = 107.120%			
35) Dibromofluoromethane	8.165	113	115042	52.061	ug/l	0.00
Spiked Amount 50.000	Range 75 - 124		Recovery = 104.120%			
50) Toluene-d8	10.571	98	395848	49.694	ug/l	0.00
Spiked Amount 50.000	Range 86 - 113		Recovery = 99.380%			
62) 4-Bromofluorobenzene	12.853	95	162167	53.898	ug/l	0.00
Spiked Amount 50.000	Range 83 - 123		Recovery = 107.800%			
Target Compounds					Qvalue	
6) Chloroethane	3.089	64	144	Below Cal	#	43
11) Tert butyl alcohol	5.512	59	174	0.592	ug/l #	72
16) Acetone	4.430	43	395	0.440	ug/l #	40
18) Methyl Acetate	5.030	43	1370	0.475	ug/l #	58
19) Methyl tert-butyl Ether	5.800	73	4096	0.678	ug/l #	65
31) Cyclohexane	8.230	56	4644	1.598	ug/l #	26
36) 1,1-Dichloropropene	8.224	75	13441	4.201	ug/l #	49
38) Carbon Tetrachloride	8.224	117	18271	4.500	ug/l #	17
39) Methylcyclohexane	9.600	83	1557	0.505	ug/l #	85
40) Benzene	8.606	78	112524	12.375	ug/l	97
43) Isopropyl Acetate	8.771	43	20307	4.702	ug/l #	29
52) Toluene	10.629	92	10750	1.889	ug/l	97
55) 1,1,2-Trichloroethane	11.006	97	639	0.294	ug/l #	16
56) Ethyl methacrylate	10.729	69	457	0.206	ug/l #	41
67) Ethyl Benzene	11.965	91	45983	3.596	ug/l	96
68) m/p-Xylenes	12.065	106	26827	5.754	ug/l	91
69) o-Xylene	12.400	106	8235	1.874	ug/l	92
76) 1,2,3-Trichloropropane	12.847	75	91333	24.769	ug/l #	1
78) n-propylbenzene	13.029	91	3392	0.259	ug/l	81
80) 1,3,5-Trimethylbenzene	13.176	105	5271	0.518	ug/l	82
81) trans-1,4-Dichloro-2-b...	12.847	75	91333	83.684	ug/l #	15
83) tert-Butylbenzene	13.476	119	2998	0.367	ug/l #	57
84) 1,2,4-Trimethylbenzene	13.482	105	23818	2.376	ug/l	96
85) sec-Butylbenzene	13.482	105	23818	2.306	ug/l #	57
95) Naphthalene	15.641	128	29342	3.422	ug/l	98

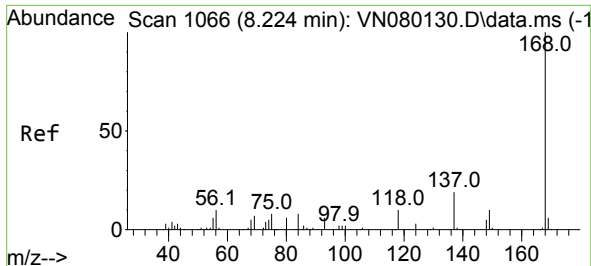
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Data Path : Z:\voasrv\HPCHEM1\MSVOA_N\Data\VN120523\
Data File : VN080362.D
Acq On : 05 Dec 2023 13:36
Operator : JC\MD
Sample : 05622-04 20X
Misc : 5.0mL/MSVOA_N/WATER
ALS Vial : 10 Sample Multiplier: 1

Instrument :
MSVOA_N
ClientSampleId :

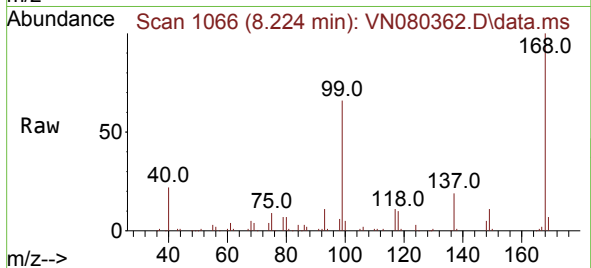
Quant Time: Dec 06 00:50:59 2023
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_N\methods\82N111623W.M
Quant Title : SW846 8260
QLast Update : Fri Nov 17 01:19:32 2023
Response via : Initial Calibration



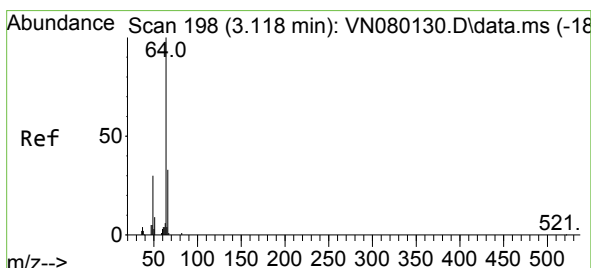
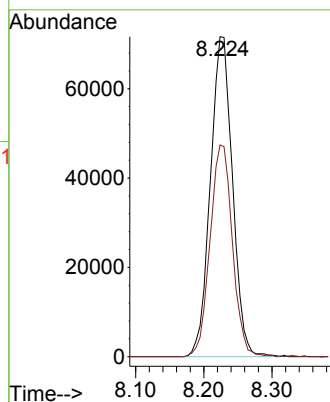
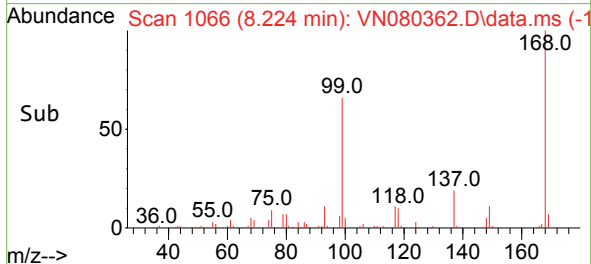


#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 8.224 min Scan# 1066
Delta R.T. -0.000 min
Lab File: VN080362.D
Acq: 05 Dec 2023 13:36

Instrument :
MSVOA_N
ClientSampleId :

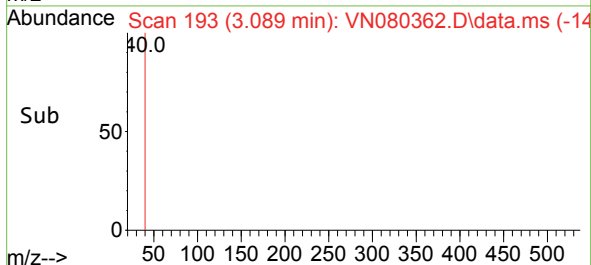
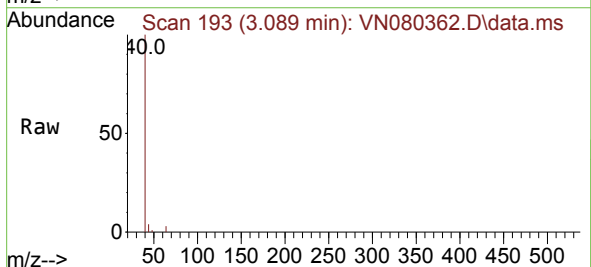


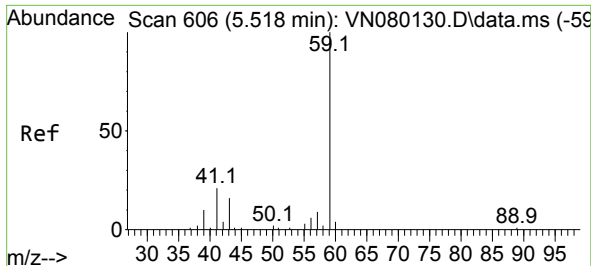
Tgt Ion:168 Resp: 161856
Ion Ratio Lower Upper
168 100
99 66.1 53.0 79.6



#6
Chloroethane
Concen: Below Cal
RT: 3.089 min Scan# 193
Delta R.T. -0.029 min
Lab File: VN080362.D
Acq: 05 Dec 2023 13:36

Tgt Ion: 64 Resp: 144
Ion Ratio Lower Upper
64 100
66 0.0 25.4 38.2#





#11

Tert butyl alcohol

Concen: 0.592 ug/l

RT: 5.512 min Scan# 606

Delta R.T. -0.006 min

Lab File: VN080362.D

Acq: 05 Dec 2023 13:36

Instrument :

MSVOA_N

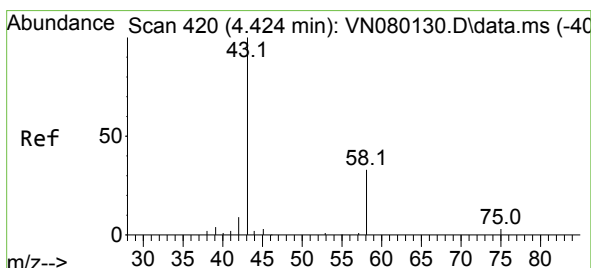
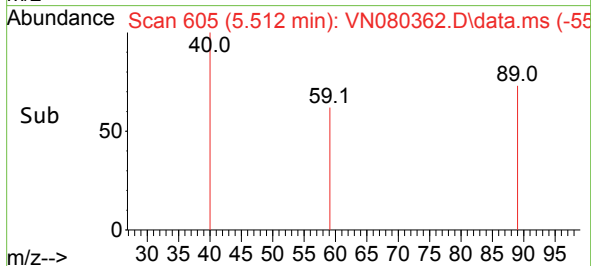
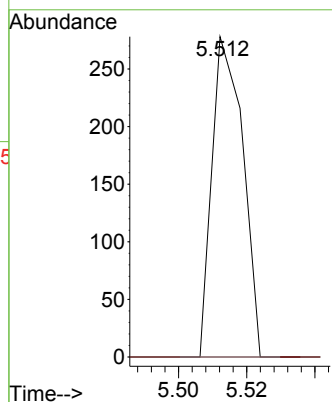
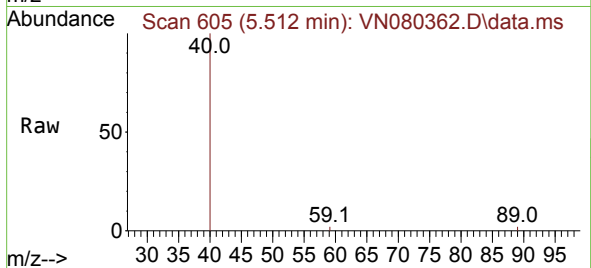
ClientSampleId :

Tgt Ion: 59 Resp: 174

Ion Ratio Lower Upper

59 100

57 0.0 8.2 12.4#



#16

Acetone

Concen: 0.440 ug/l

RT: 4.430 min Scan# 421

Delta R.T. 0.006 min

Lab File: VN080362.D

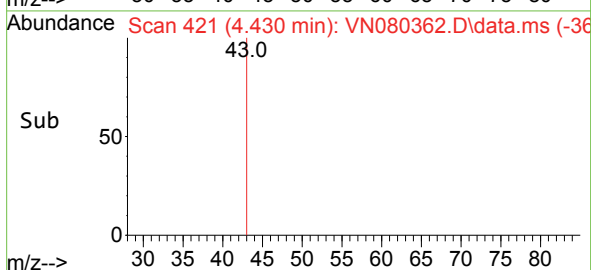
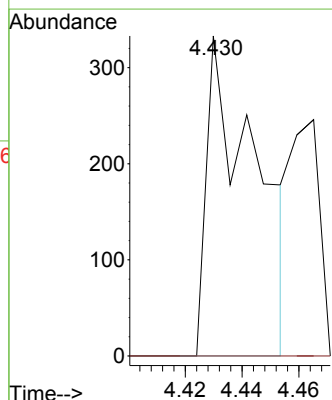
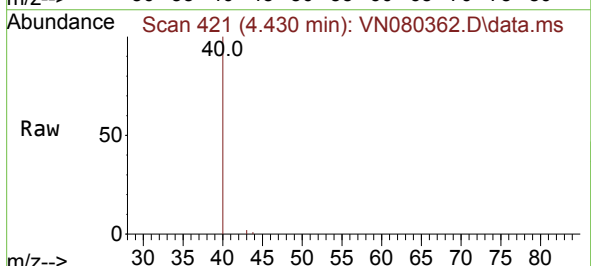
Acq: 05 Dec 2023 13:36

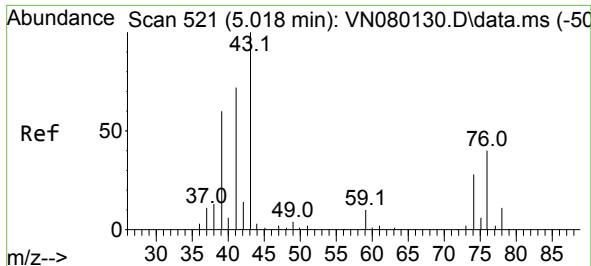
Tgt Ion: 43 Resp: 395

Ion Ratio Lower Upper

43 100

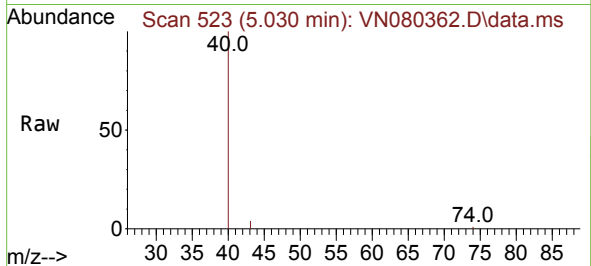
58 0.0 28.0 42.0#



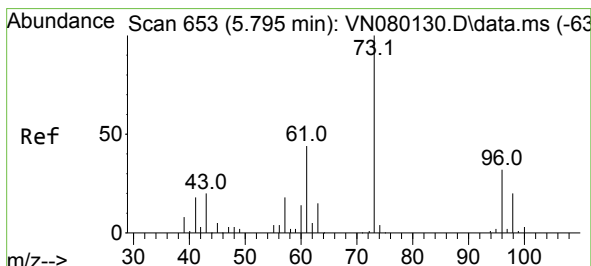
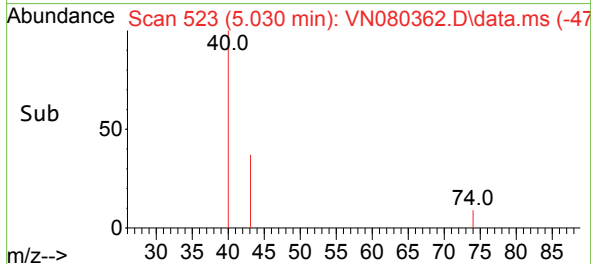
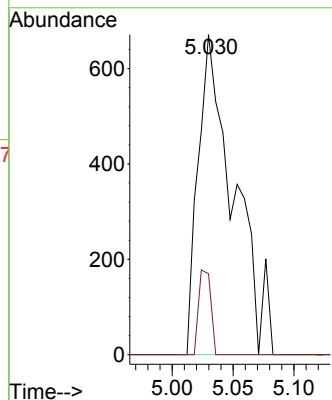


#18
Methyl Acetate
Concen: 0.475 ug/l
RT: 5.030 min Scan# 51
Delta R.T. 0.012 min
Lab File: VN080362.D
Acq: 05 Dec 2023 13:36

Instrument :
MSVOA_N
ClientSampleId :

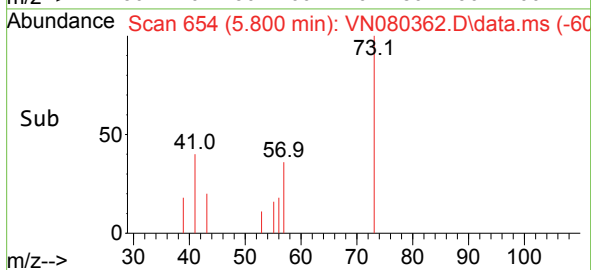
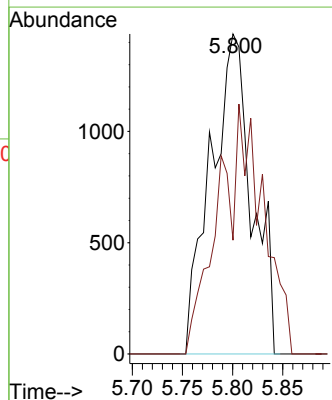
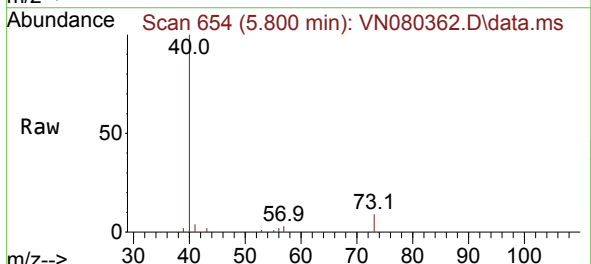


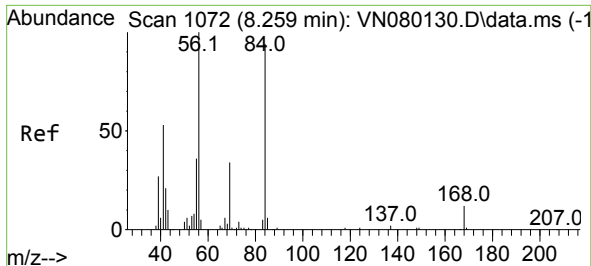
Tgt Ion: 43 Resp: 1370
Ion Ratio Lower Upper
43 100
74 9.0 26.2 39.4#



#19
Methyl tert-butyl Ether
Concen: 0.678 ug/l
RT: 5.800 min Scan# 654
Delta R.T. 0.006 min
Lab File: VN080362.D
Acq: 05 Dec 2023 13:36

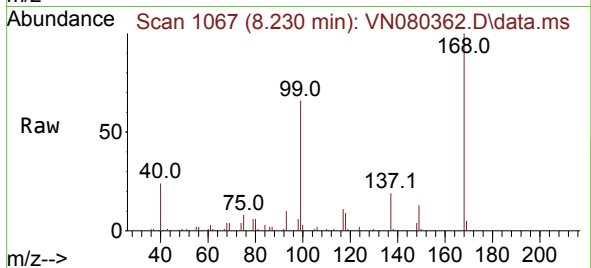
Tgt Ion: 73 Resp: 4096
Ion Ratio Lower Upper
73 100
57 35.5 15.6 23.4#



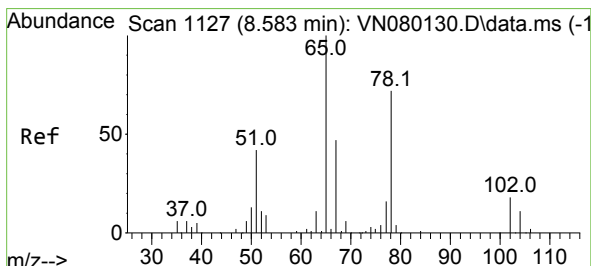
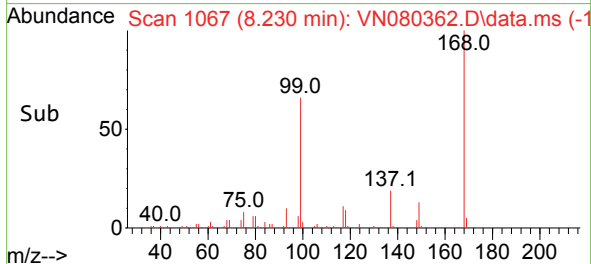
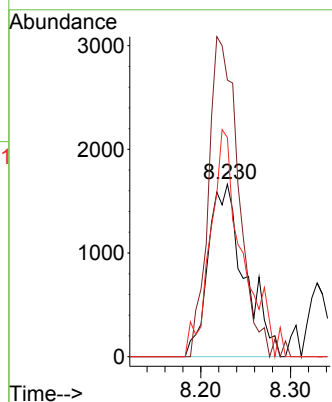


#31
Cyclohexane
Concen: 1.598 ug/l
RT: 8.230 min Scan# 1067
Delta R.T. -0.029 min
Lab File: VN080362.D
Acq: 05 Dec 2023 13:36

Instrument :
MSVOA_N
ClientSampleId :

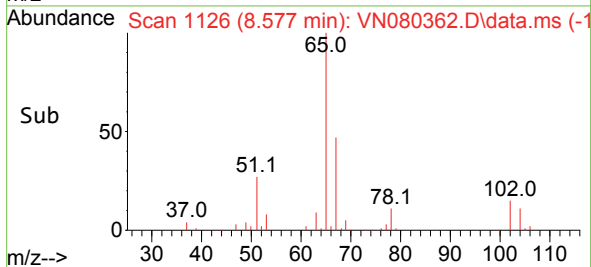
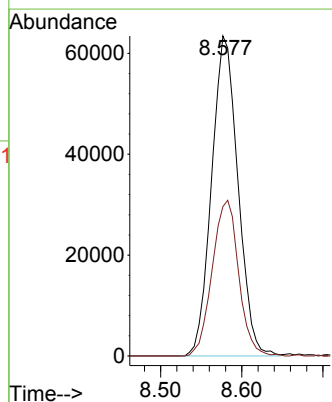
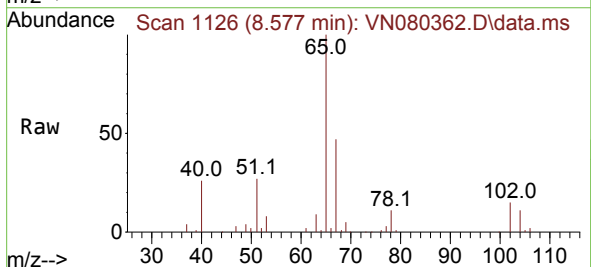


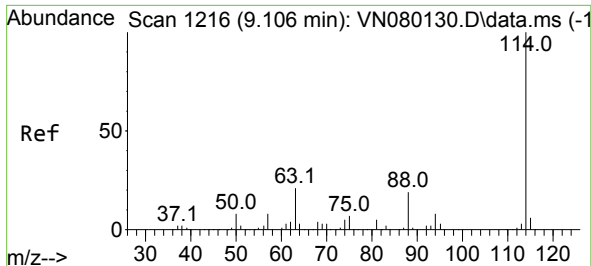
Tgt Ion: 56 Resp: 4644
Ion Ratio Lower Upper
56 100
69 160.4 26.8 40.2#
84 127.2 81.8 122.6#



#33
1,2-Dichloroethane-d4
Concen: 53.559 ug/l
RT: 8.577 min Scan# 1126
Delta R.T. -0.006 min
Lab File: VN080362.D
Acq: 05 Dec 2023 13:36

Tgt Ion: 65 Resp: 143137
Ion Ratio Lower Upper
65 100
67 48.8 0.0 106.6





#34

1,4-Difluorobenzene

Concen: 50.000 ug/l

RT: 9.100 min Scan# 1

Delta R.T. -0.006 min

Lab File: VN080362.D

Acq: 05 Dec 2023 13:36

Instrument :

MSVOA_N

ClientSampleId :

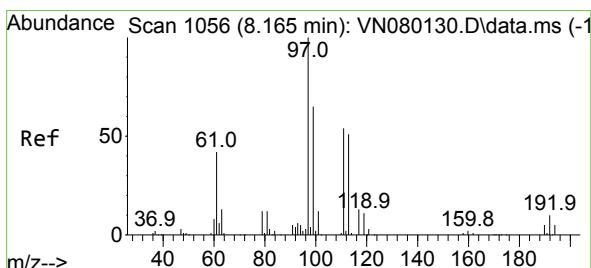
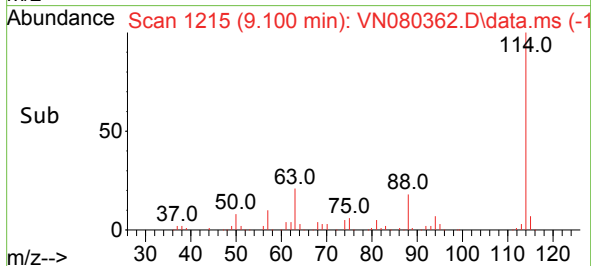
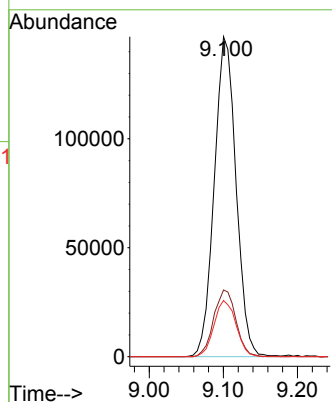
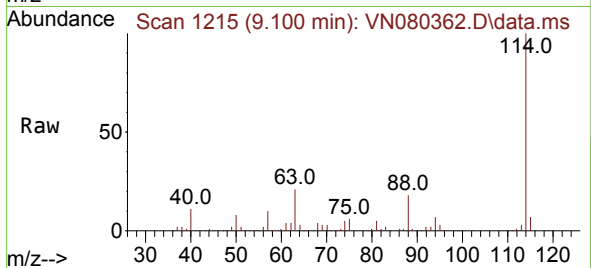
Tgt Ion:114 Resp: 299478

Ion Ratio Lower Upper

114 100

63 20.9 0.0 36.4

88 17.6 0.0 30.6



#35

Dibromofluoromethane

Concen: 52.061 ug/l

RT: 8.165 min Scan# 1056

Delta R.T. -0.000 min

Lab File: VN080362.D

Acq: 05 Dec 2023 13:36

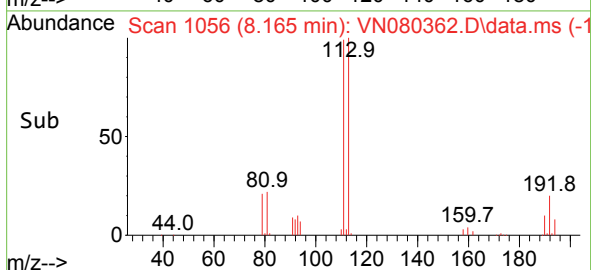
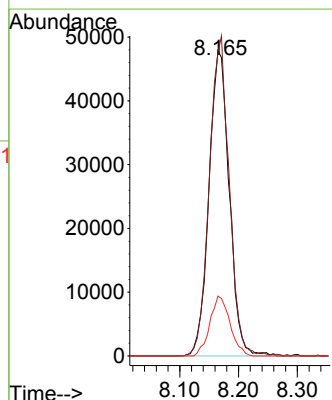
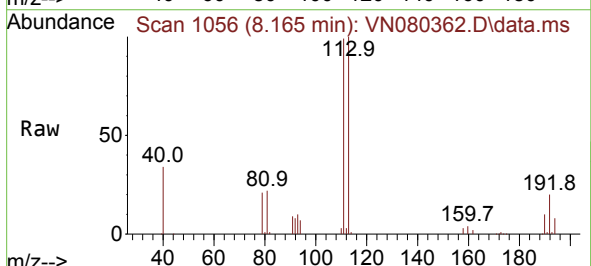
Tgt Ion:113 Resp: 115042

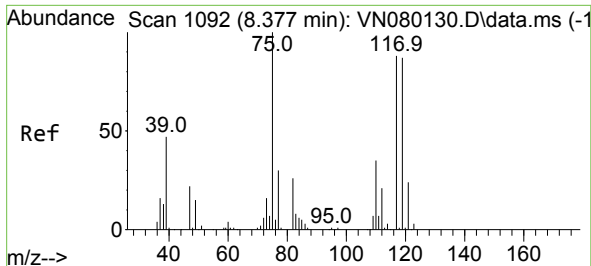
Ion Ratio Lower Upper

113 100

111 102.2 82.6 123.8

192 19.4 12.7 19.1#





#36

1,1-Dichloropropene

Concen: 4.201 ug/l

RT: 8.224 min Scan# 1066

Delta R.T. -0.153 min

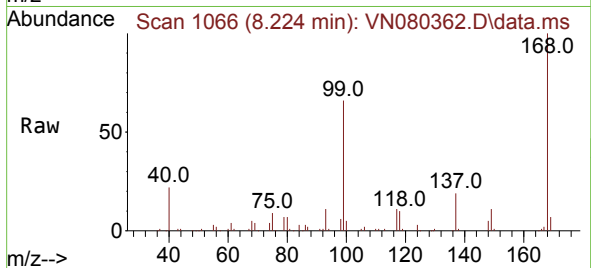
Lab File: VN080362.D

Acq: 05 Dec 2023 13:36

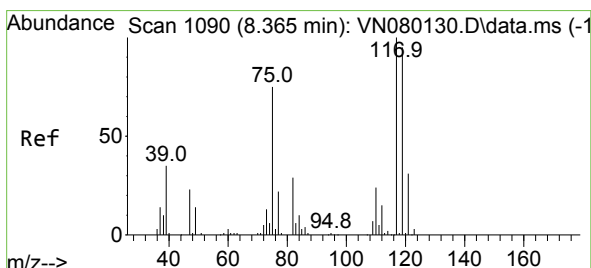
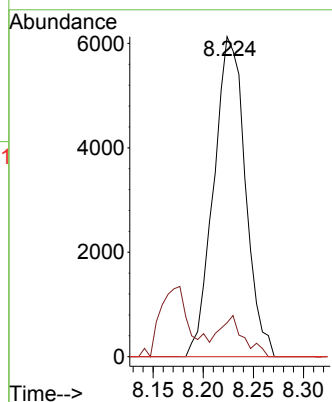
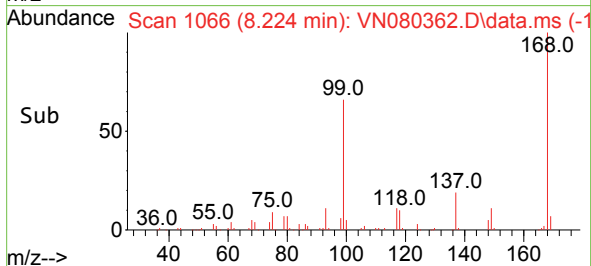
Instrument :

MSVOA_N

ClientSampleId :



Tgt Ion:	75	Resp:	13441
Ion Ratio	Lower	Upper	
75	100		
110	9.9	19.1	57.3#
77	0.0	25.0	37.4#



#38

Carbon Tetrachloride

Concen: 4.500 ug/l

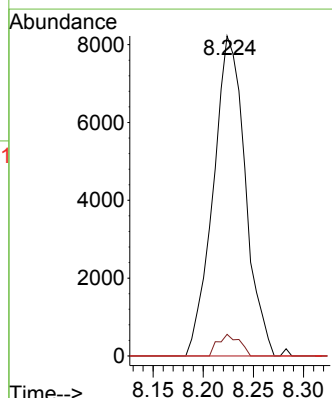
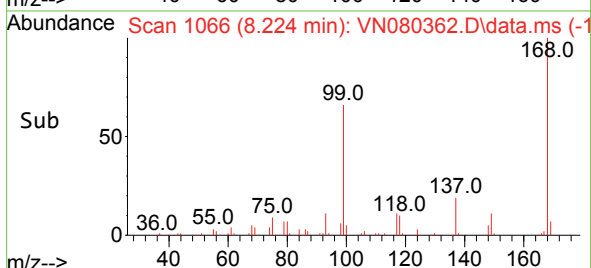
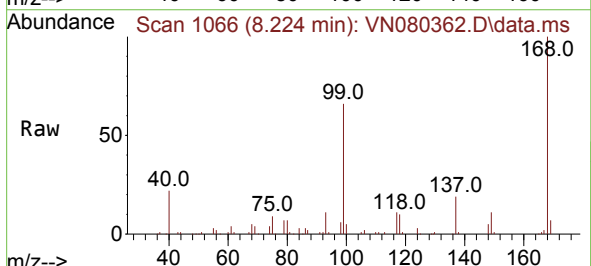
RT: 8.224 min Scan# 1066

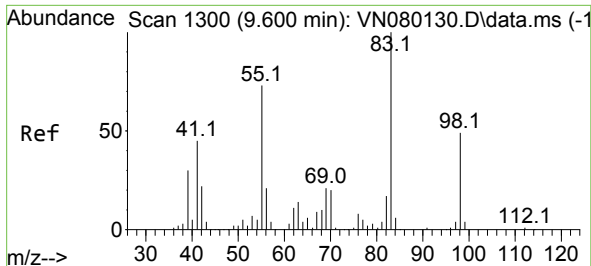
Delta R.T. -0.141 min

Lab File: VN080362.D

Acq: 05 Dec 2023 13:36

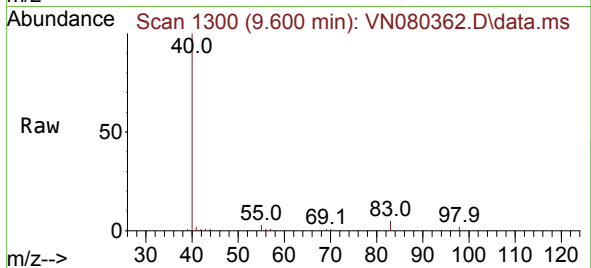
Tgt Ion:	117	Resp:	18271
Ion Ratio	Lower	Upper	
117	100		
119	6.7	77.3	115.9#
121	0.0	23.3	34.9#



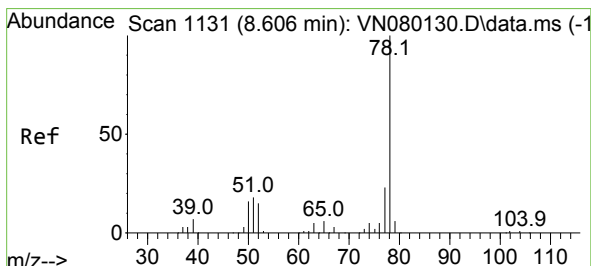
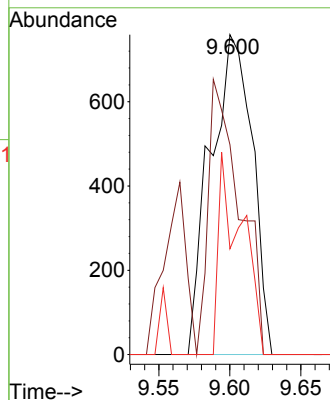
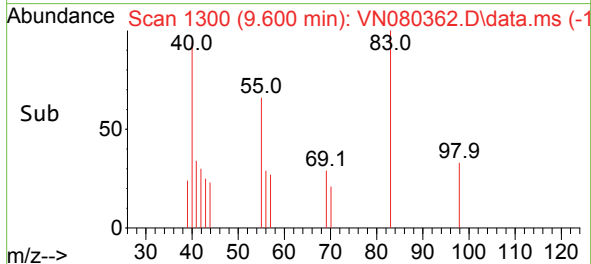


#39
Methylcyclohexane
Concen: 0.505 ug/l
RT: 9.600 min Scan# 1130
Delta R.T. -0.000 min
Lab File: VN080362.D
Acq: 05 Dec 2023 13:36

Instrument :
MSVOA_N
ClientSampleId :

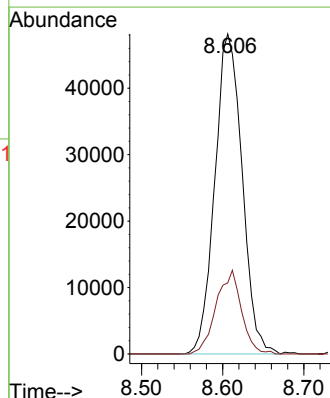
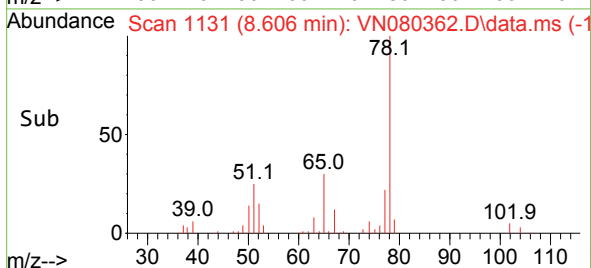
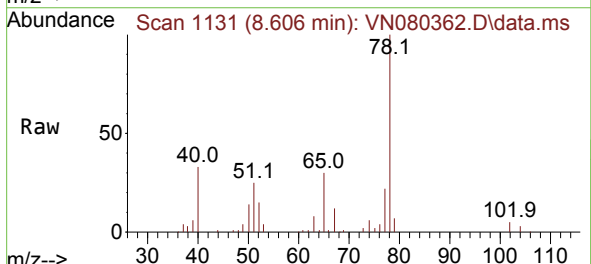


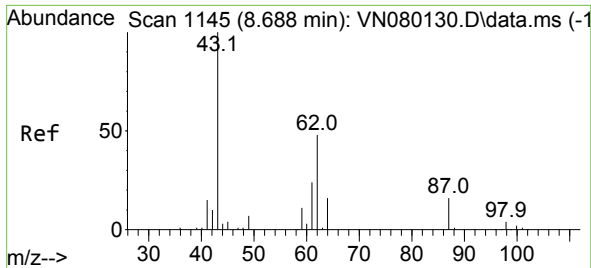
Tgt Ion: 83 Resp: 1557
Ion Ratio Lower Upper
83 100
55 65.6 49.1 73.7
98 33.1 40.6 61.0#



#40
Benzene
Concen: 12.375 ug/l
RT: 8.606 min Scan# 1131
Delta R.T. -0.000 min
Lab File: VN080362.D
Acq: 05 Dec 2023 13:36

Tgt Ion: 78 Resp: 112524
Ion Ratio Lower Upper
78 100
77 22.2 19.0 28.6

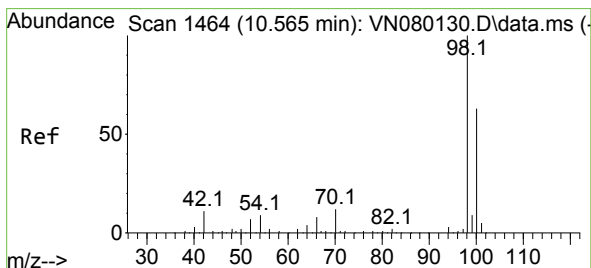
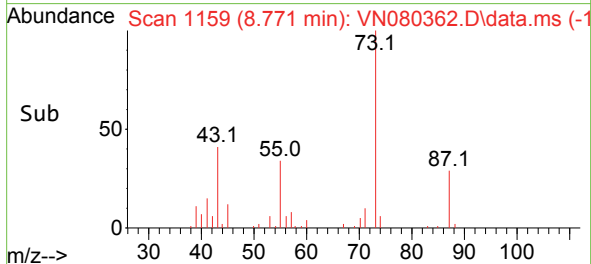
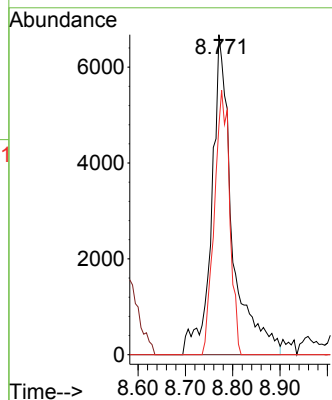
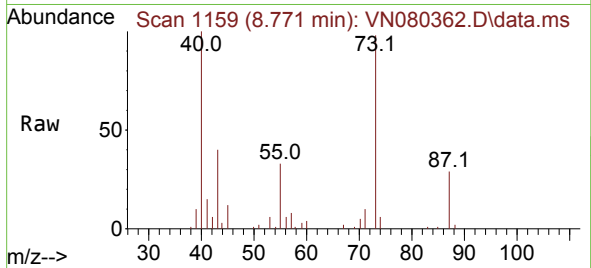




#43
Isopropyl Acetate
Concen: 4.702 ug/l
RT: 8.771 min Scan# 1159
Delta R.T. 0.082 min
Lab File: VN080362.D
Acq: 05 Dec 2023 13:36

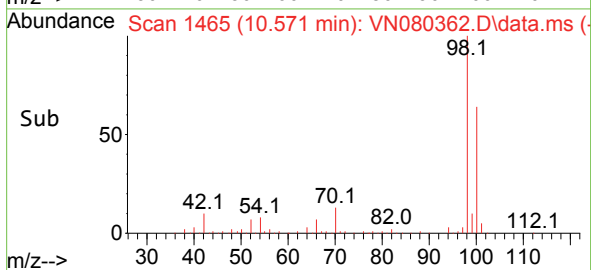
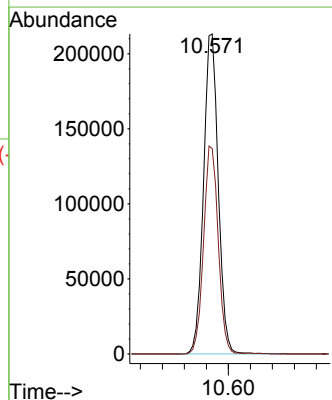
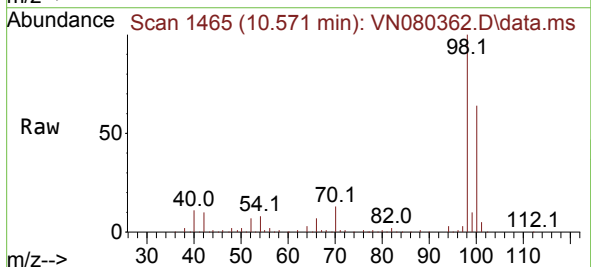
Instrument :
MSVOA_N
ClientSampleId :

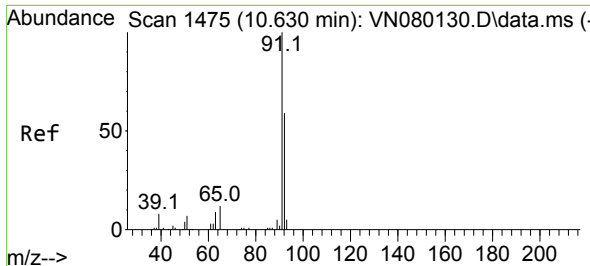
Tgt Ion: 43 Resp: 20307
Ion Ratio Lower Upper
43 100
61 0.0 24.7 37.1#
87 61.2 14.6 21.8#



#50
Toluene-d8
Concen: 49.694 ug/l
RT: 10.571 min Scan# 1465
Delta R.T. 0.006 min
Lab File: VN080362.D
Acq: 05 Dec 2023 13:36

Tgt Ion: 98 Resp: 395848
Ion Ratio Lower Upper
98 100
100 64.5 52.0 78.0

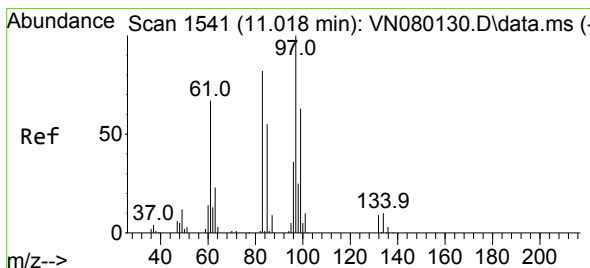
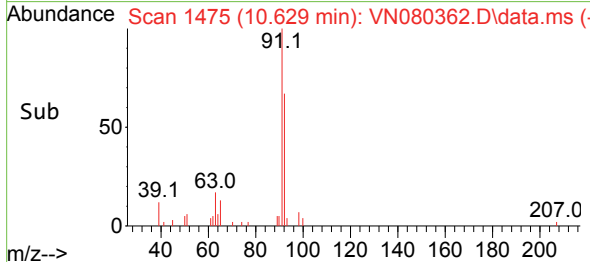
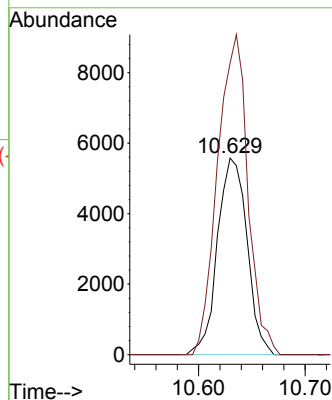
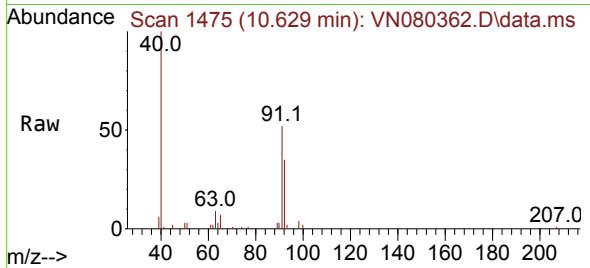




#52
Toluene
Concen: 1.889 ug/l
RT: 10.629 min Scan# 1475
Delta R.T. -0.000 min
Lab File: VN080362.D
Acq: 05 Dec 2023 13:36

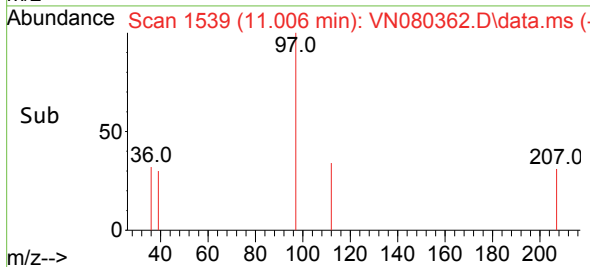
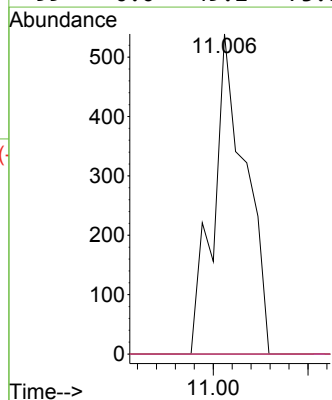
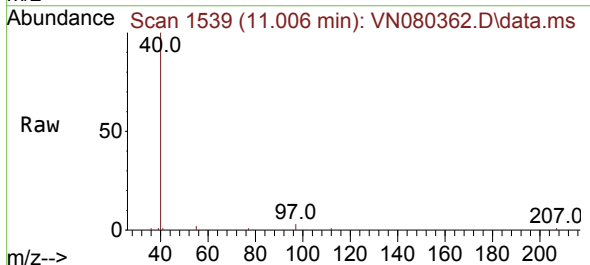
Instrument :
MSVOA_N
ClientSampleId :

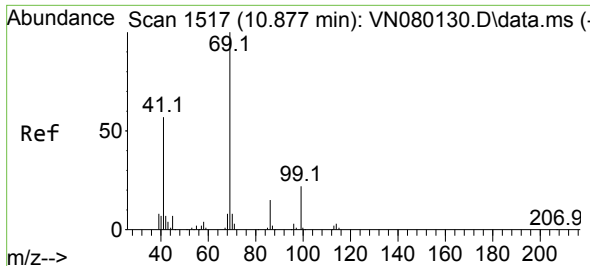
Tgt Ion: 92 Resp: 10750
Ion Ratio Lower Upper
92 100
91 166.9 137.4 206.0



#55
1,1,2-Trichloroethane
Concen: 0.294 ug/l
RT: 11.006 min Scan# 1539
Delta R.T. -0.012 min
Lab File: VN080362.D
Acq: 05 Dec 2023 13:36

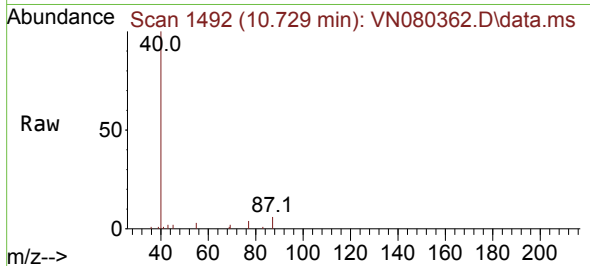
Tgt Ion: 97 Resp: 639
Ion Ratio Lower Upper
97 100
83 0.0 65.1 97.7#
85 0.0 43.4 65.2#
99 0.0 49.2 73.8#



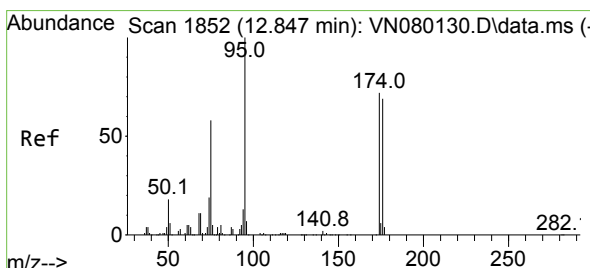
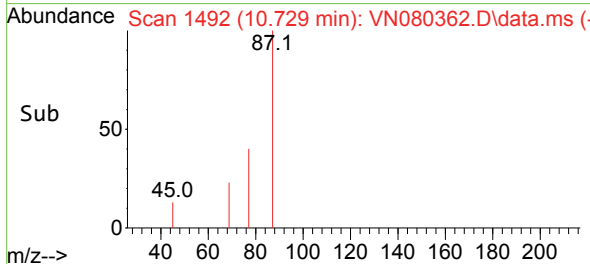
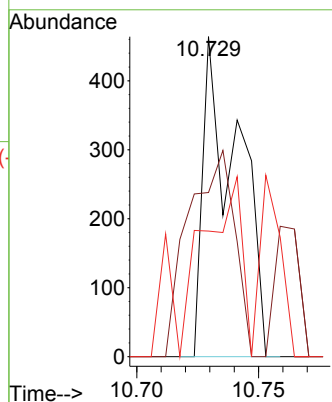


#56
Ethyl methacrylate
Concen: 0.206 ug/l
RT: 10.729 min Scan# 14
Delta R.T. -0.147 min
Lab File: VN080362.D
Acq: 05 Dec 2023 13:36

Instrument :
MSVOA_N
ClientSampleId :

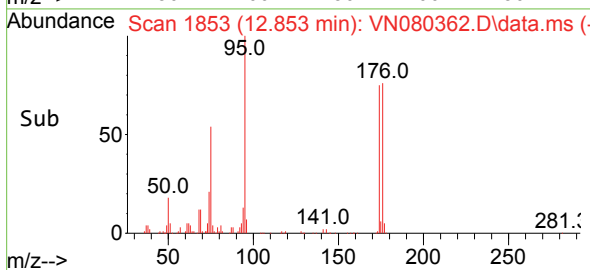
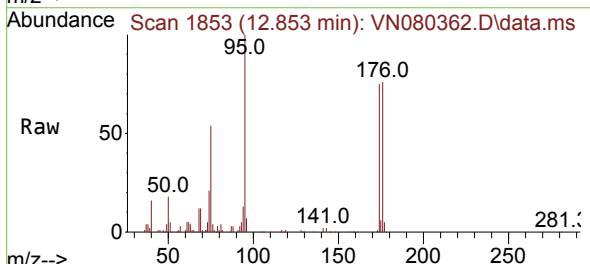
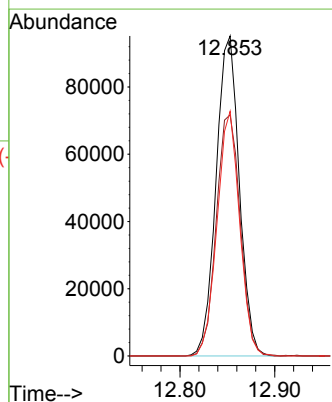


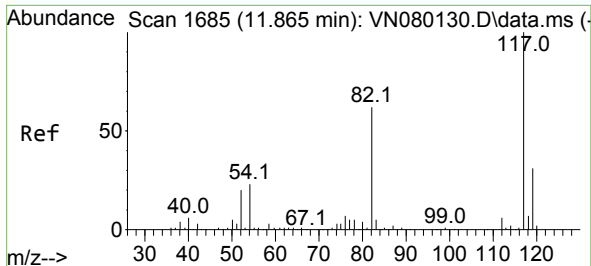
Tgt Ion: 69 Resp: 457
Ion Ratio Lower Upper
69 100
41 85.8 39.6 59.4#
39 75.9 28.6 43.0#



#62
4-Bromofluorobenzene
Concen: 53.898 ug/l
RT: 12.853 min Scan# 1853
Delta R.T. 0.006 min
Lab File: VN080362.D
Acq: 05 Dec 2023 13:36

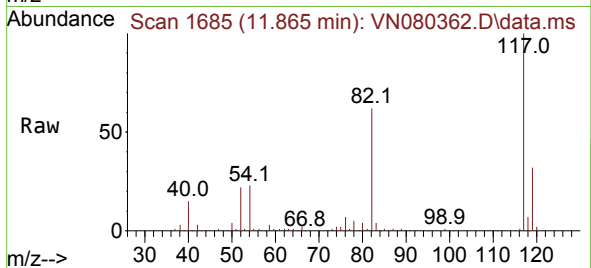
Tgt Ion: 95 Resp: 162167
Ion Ratio Lower Upper
95 100
174 77.9 0.0 143.8
176 74.2 0.0 135.8



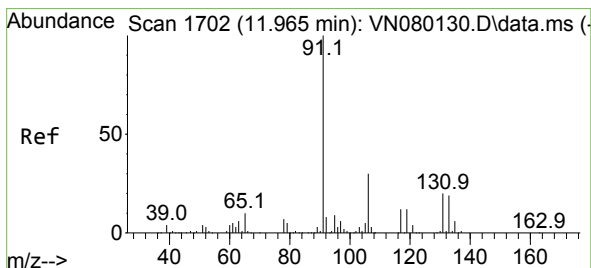
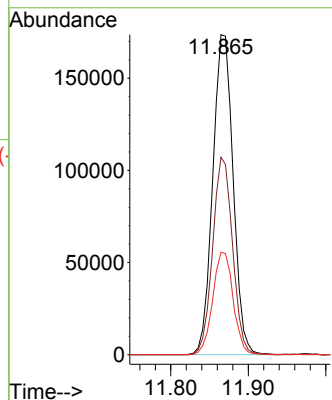
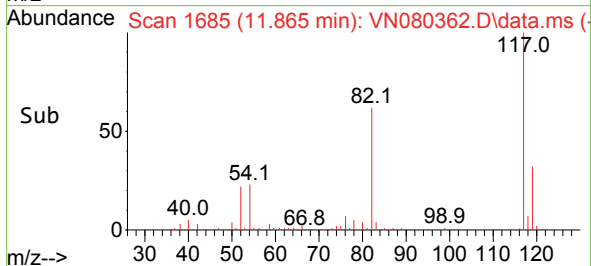


#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.865 min Scan# 117
Delta R.T. -0.000 min
Lab File: VN080362.D
Acq: 05 Dec 2023 13:36

Instrument :
MSVOA_N
ClientSampleId :

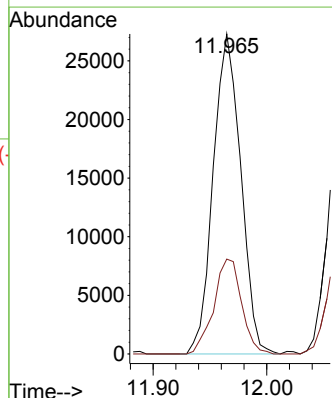
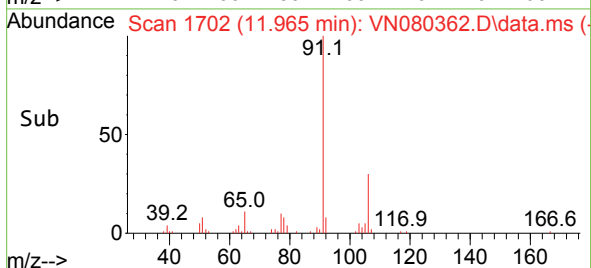
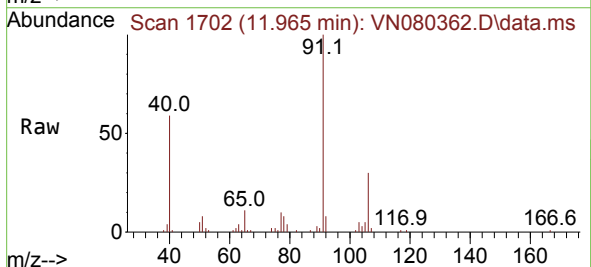


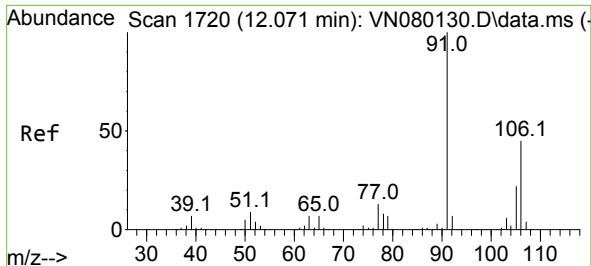
Tgt Ion:117 Resp: 317162
Ion Ratio Lower Upper
117 100
82 61.7 44.0 66.0
119 32.0 25.6 38.4



#67
Ethyl Benzene
Concen: 3.596 ug/l
RT: 11.965 min Scan# 1702
Delta R.T. -0.000 min
Lab File: VN080362.D
Acq: 05 Dec 2023 13:36

Tgt Ion: 91 Resp: 45983
Ion Ratio Lower Upper
91 100
106 29.6 25.6 38.4

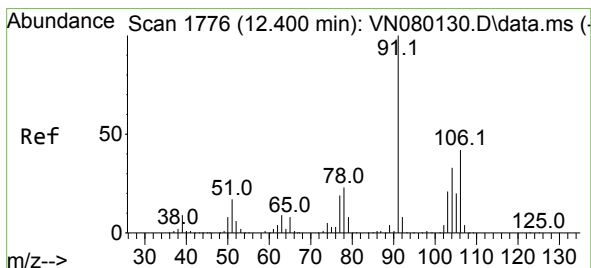
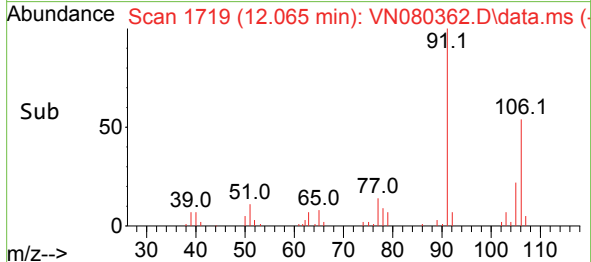
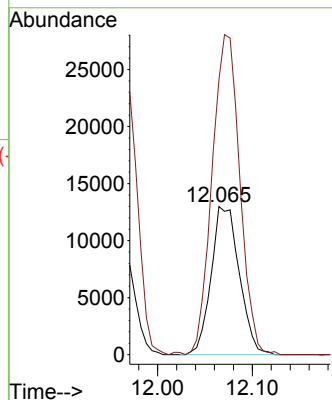
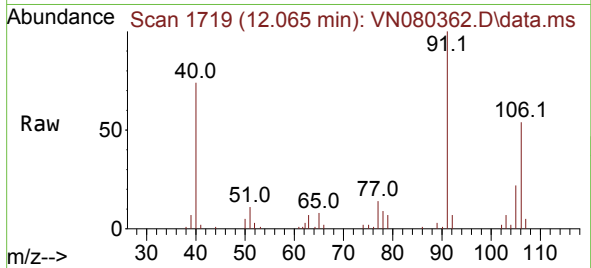




#68
m/p-Xylenes
Concen: 5.754 ug/l
RT: 12.065 min Scan# 1719
Delta R.T. -0.006 min
Lab File: VN080362.D
Acq: 05 Dec 2023 13:36

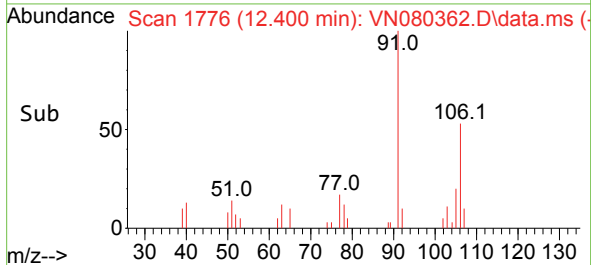
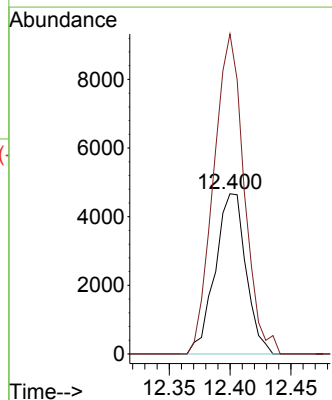
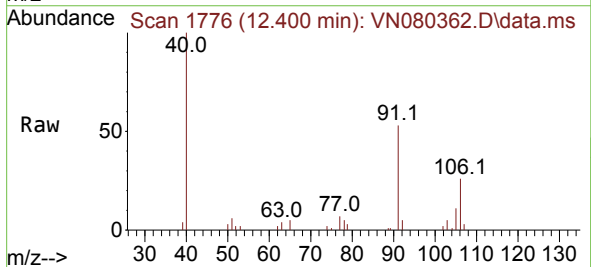
Instrument :
MSVOA_N
ClientSampleId :

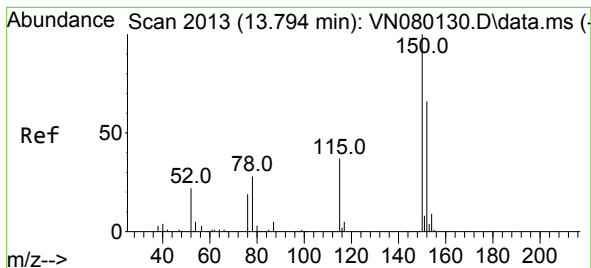
Tgt Ion:106 Resp: 26827
Ion Ratio Lower Upper
106 100
91 213.1 159.6 239.4



#69
o-Xylene
Concen: 1.874 ug/l
RT: 12.400 min Scan# 1776
Delta R.T. -0.000 min
Lab File: VN080362.D
Acq: 05 Dec 2023 13:36

Tgt Ion:106 Resp: 8235
Ion Ratio Lower Upper
106 100
91 197.5 105.2 315.5





#72

1,4-Dichlorobenzene-d4

Concen: 50.000 ug/l

RT: 13.794 min Scan# 20

Delta R.T. -0.000 min

Lab File: VN080362.D

Acq: 05 Dec 2023 13:36

Instrument :

MSVOA_N

ClientSampleId :

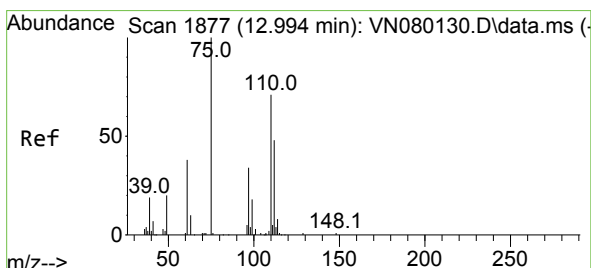
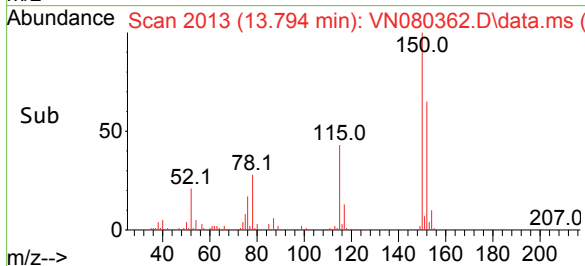
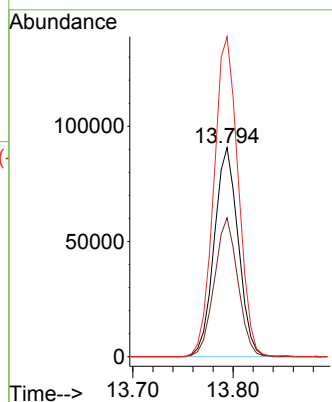
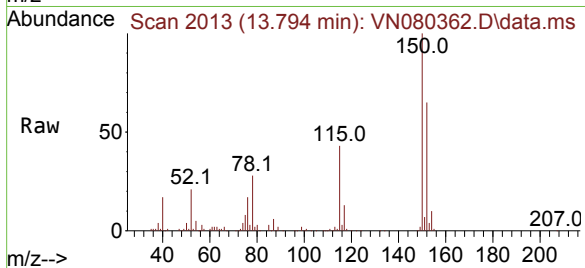
Tgt Ion:152 Resp: 150495

Ion Ratio Lower Upper

152 100

115 65.2 32.3 96.8

150 155.6 0.0 355.8



#76

1,2,3-Trichloropropane

Concen: 24.769 ug/l

RT: 12.847 min Scan# 1852

Delta R.T. -0.147 min

Lab File: VN080362.D

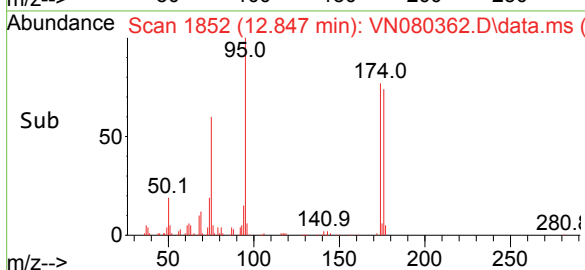
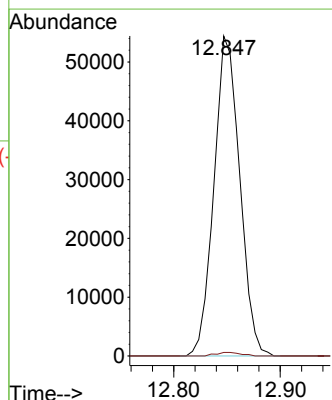
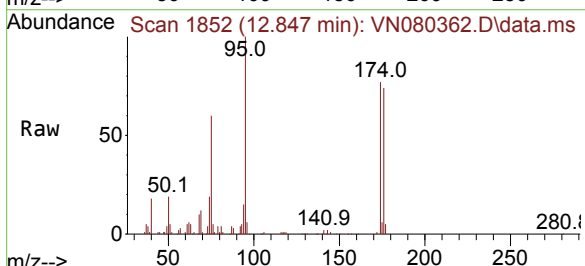
Acq: 05 Dec 2023 13:36

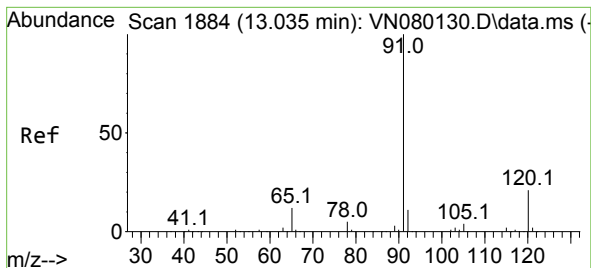
Tgt Ion: 75 Resp: 91333

Ion Ratio Lower Upper

75 100

77 1.1 84.5 253.5#





#78

n-propylbenzene

Concen: 0.259 ug/l

RT: 13.029 min Scan# 1883

Delta R.T. -0.006 min

Lab File: VN080362.D

Acq: 05 Dec 2023 13:36

Instrument :

MSVOA_N

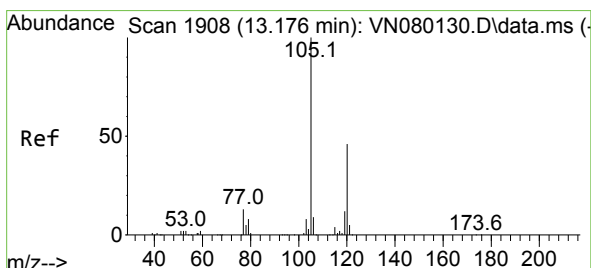
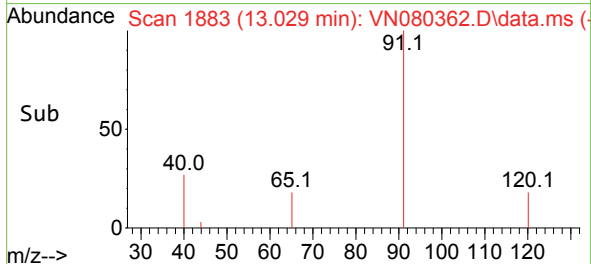
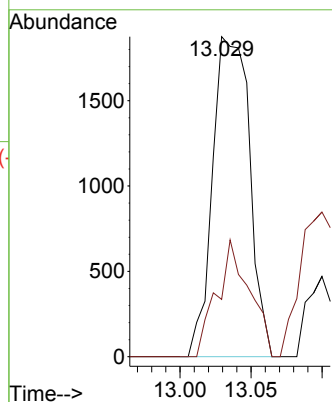
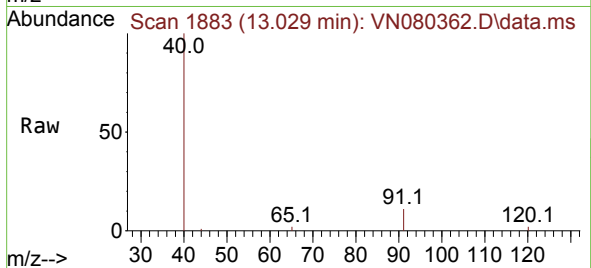
ClientSampleId :

Tgt Ion: 91 Resp: 3392

Ion Ratio Lower Upper

91 100

120 32.2 11.5 34.4



#80

1,3,5-Trimethylbenzene

Concen: 0.518 ug/l

RT: 13.176 min Scan# 1908

Delta R.T. -0.000 min

Lab File: VN080362.D

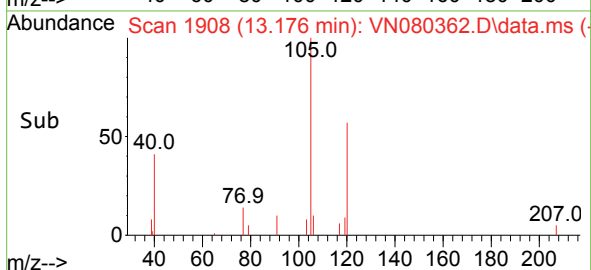
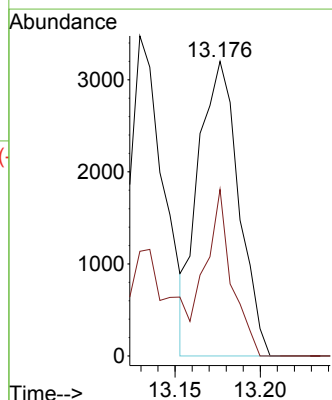
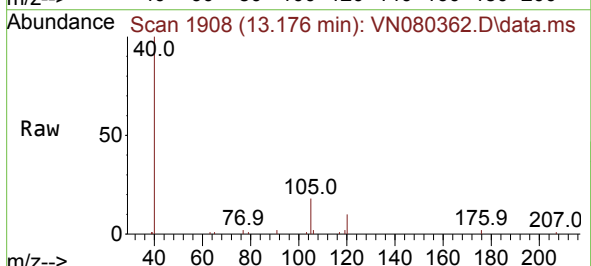
Acq: 05 Dec 2023 13:36

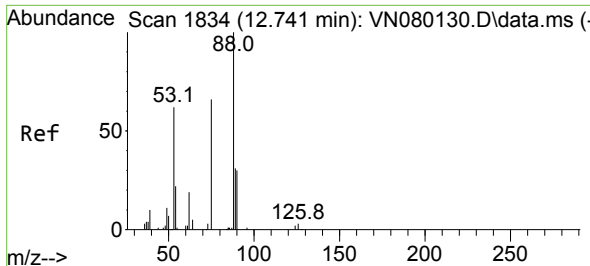
Tgt Ion: 105 Resp: 5271

Ion Ratio Lower Upper

105 100

120 36.1 24.1 72.3

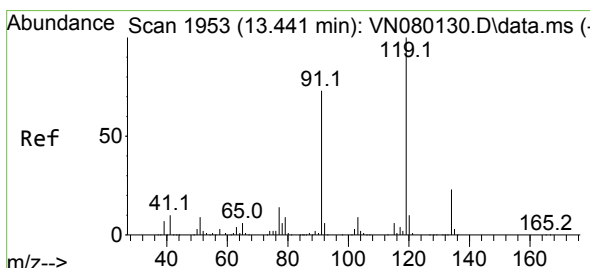
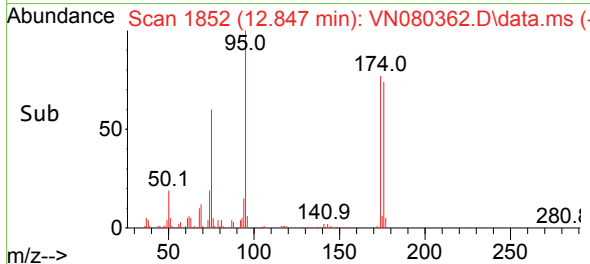
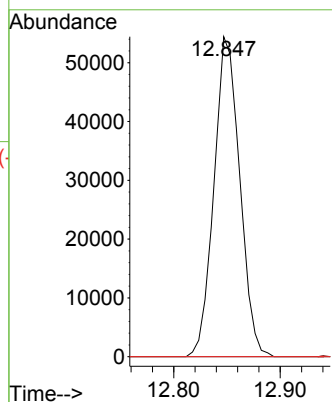
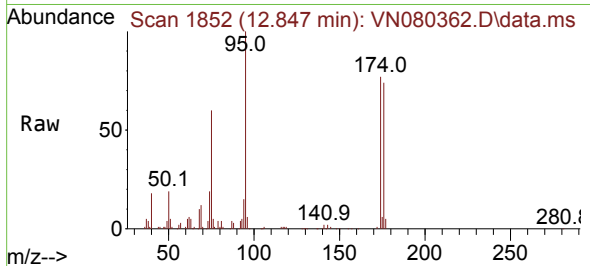




#81
 trans-1,4-Dichloro-2-butene
 Concen: 83.684 ug/l
 RT: 12.847 min Scan# 1852
 Delta R.T. 0.106 min
 Lab File: VN080362.D
 Acq: 05 Dec 2023 13:36

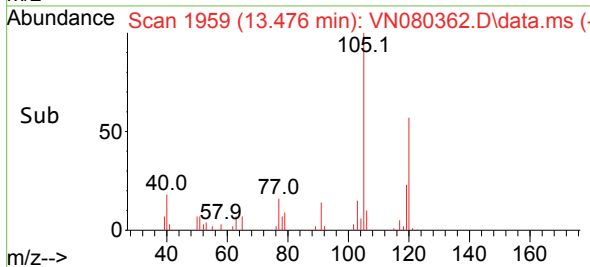
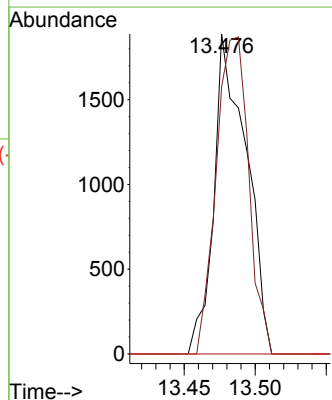
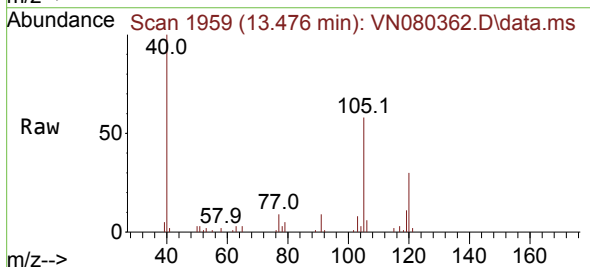
Instrument :
 MSVOA_N
 ClientSampleId :

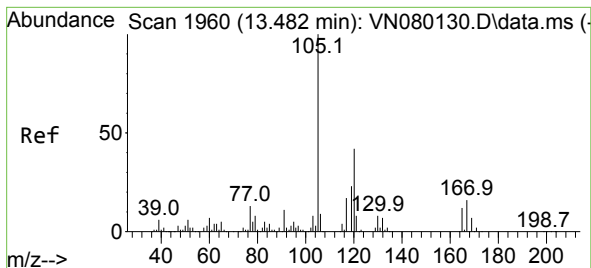
Tgt Ion: 75 Resp: 91333
 Ion Ratio Lower Upper
 75 100
 53 0.0 67.4 101.2#
 89 0.0 38.8 58.2#



#83
 tert-Butylbenzene
 Concen: 0.367 ug/l
 RT: 13.476 min Scan# 1959
 Delta R.T. 0.035 min
 Lab File: VN080362.D
 Acq: 05 Dec 2023 13:36

Tgt Ion: 119 Resp: 2998
 Ion Ratio Lower Upper
 119 100
 91 99.3 33.9 101.7
 134 0.0 13.2 39.6#





#84

1,2,4-Trimethylbenzene

Concen: 2.376 ug/l

RT: 13.482 min Scan# 1960

Delta R.T. -0.000 min

Lab File: VN080362.D

Acq: 05 Dec 2023 13:36

Instrument :

MSVOA_N

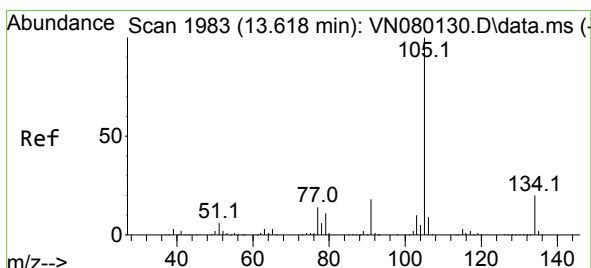
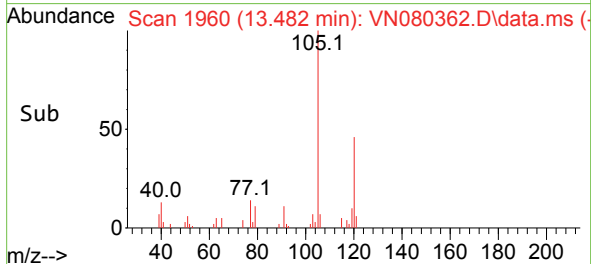
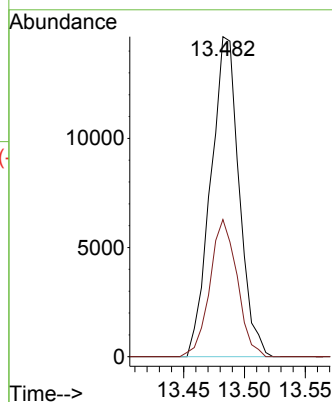
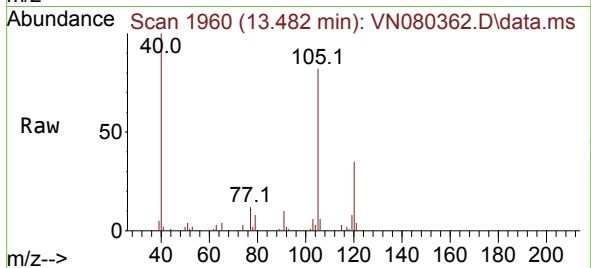
ClientSampleId :

Tgt Ion:105 Resp: 23818

Ion Ratio Lower Upper

105 100

120 41.1 22.0 66.0



#85

sec-Butylbenzene

Concen: 2.306 ug/l

RT: 13.482 min Scan# 1960

Delta R.T. -0.135 min

Lab File: VN080362.D

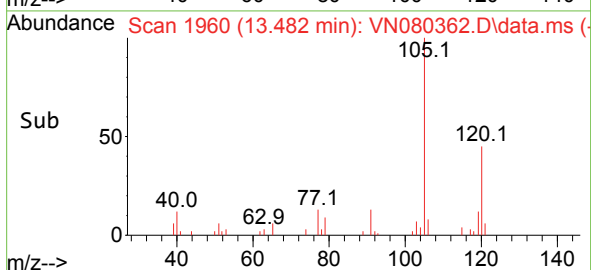
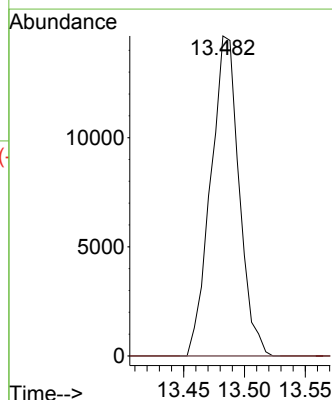
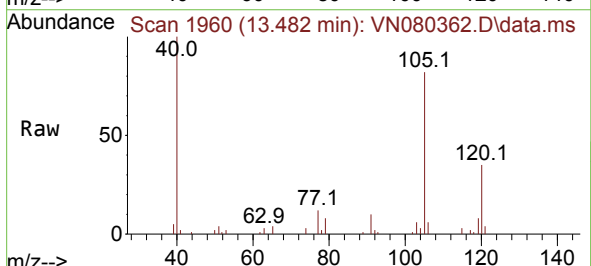
Acq: 05 Dec 2023 13:36

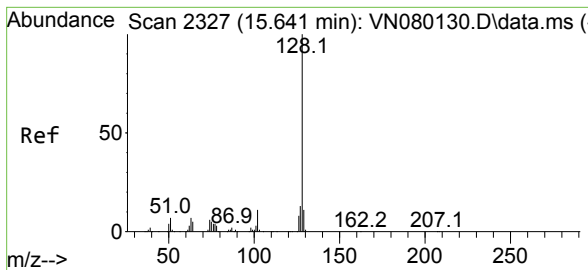
Tgt Ion:105 Resp: 23818

Ion Ratio Lower Upper

105 100

134 0.0 9.8 29.3#





#95
 Naphthalene
 Concen: 3.422 ug/l
 RT: 15.641 min Scan# 21
 Delta R.T. -0.000 min
 Lab File: VN080362.D
 Acq: 05 Dec 2023 13:36

Instrument :
 MSVOA_N
 ClientSampleId :

Tgt Ion:	128	Resp:	29342
Ion	Ratio	Lower	Upper
128	100		
127	13.9	10.0	15.0
129	10.7	8.7	13.1

