

Data Path : Z:\voasrv\HPCHEM1\MSVOA_N\Data\VN111723\
 Data File : VN080168.D
 Acq On : 17 Nov 2023 17:16
 Operator : JC\MD
 Sample : 05451-04
 Misc : 5.0mL/MSVOA_N/WATER
 ALS Vial : 20 Sample Multiplier: 1

Instrument :
 MSVOA_N
 ClientSampleId :

Quant Time: Nov 18 02:33:51 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

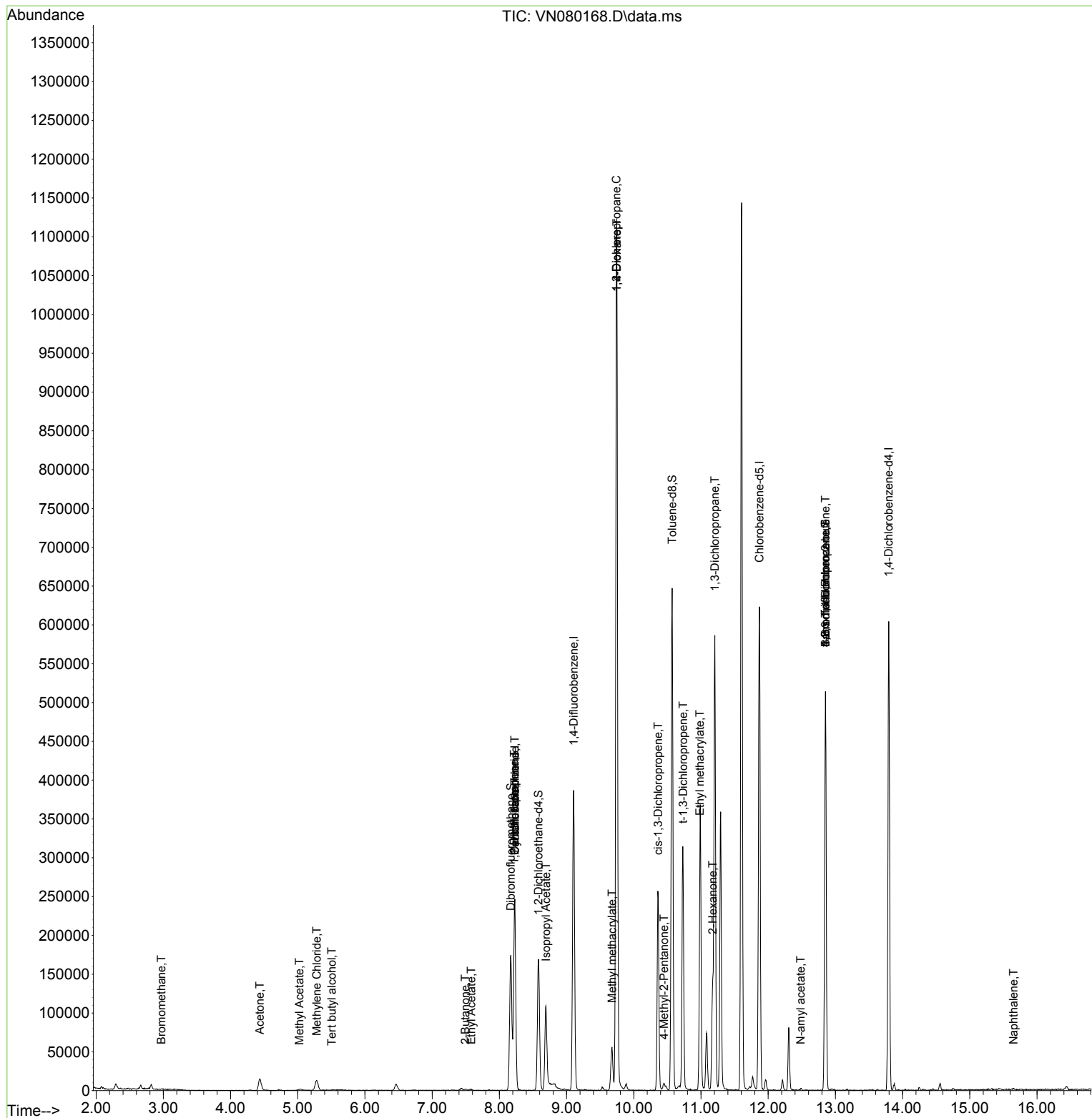
Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
Internal Standards						
1) Pentafluorobenzene	8.230	168	166766	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	9.106	114	326581	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.871	117	357648	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.794	152	155808	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.582	65	153847	55.872	ug/l	0.00
Spiked Amount	50.000	Range	74 - 125	Recovery	= 111.740%	
35) Dibromofluoromethane	8.171	113	123325	51.178	ug/l	0.00
Spiked Amount	50.000	Range	75 - 124	Recovery	= 102.360%	
50) Toluene-d8	10.571	98	446244	51.371	ug/l	0.00
Spiked Amount	50.000	Range	86 - 113	Recovery	= 102.740%	
62) 4-Bromofluorobenzene	12.853	95	178573	54.425	ug/l	0.00
Spiked Amount	50.000	Range	83 - 123	Recovery	= 108.860%	
Target Compounds						
					Qvalue	
5) Bromomethane	2.971	94	362	0.270	ug/l #	4
6) Chloroethane	3.124	64	261	Below Cal	#	43
11) Tert butyl alcohol	5.506	59	90	0.297	ug/l #	72
16) Acetone	4.436	43	28628	30.954	ug/l	90
18) Methyl Acetate	5.024	43	1672	0.563	ug/l #	42
20) Methylene Chloride	5.283	84	11246	5.807	ug/l	90
25) 2-Butanone	7.494	43	2411	2.194	ug/l #	58
31) Cyclohexane	8.230	56	4067	1.358	ug/l #	34
36) 1,1-Dichloropropene	8.224	75	13868	3.975	ug/l #	50
37) Ethyl Acetate	7.583	43	3268	1.350	ug/l #	65
38) Carbon Tetrachloride	8.230	117	19927	4.501	ug/l #	16
43) Isopropyl Acetate	8.694	43	119133	25.298	ug/l #	85
45) 1,2-Dichloropropane	9.741	63	1350	0.586	ug/l #	45
48) Methyl methacrylate	9.677	41	3145	1.296	ug/l #	34
49) 1,4-Dioxane	9.747	88	153	3.790	ug/l #	1
51) 4-Methyl-2-Pentanone	10.453	43	9294	3.812	ug/l #	67
53) t-1,3-Dichloropropene	10.735	75	1024	0.260	ug/l #	43
54) cis-1,3-Dichloropropene	10.365	75	46797	11.619	ug/l #	68
56) Ethyl methacrylate	10.982	69	1998	0.826	ug/l #	1
57) 1,3-Dichloropropane	11.206	76	6233	1.507	ug/l #	42
59) 2-Hexanone	11.176	43	96540	49.277	ug/l #	19
71) Bromoform	12.853	173	864	0.370	ug/l #	1
74) N-amyl acetate	12.482	43	1507	0.399	ug/l #	36
76) 1,2,3-Trichloropropane	12.853	75	100862	26.421	ug/l #	1
81) trans-1,4-Dichloro-2-b...	12.853	75	100862	89.264	ug/l #	15
95) Naphthalene	15.653	128	2221	0.250	ug/l #	70

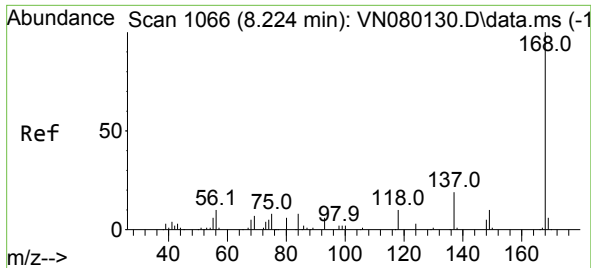
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Data Path : Z:\voasrv\HPCHEM1\MSVOA_N\Data\VN111723\
Data File : VN080168.D
Acq On : 17 Nov 2023 17:16
Operator : JC\MD
Sample : 05451-04
Misc : 5.0mL/MSVOA_N/WATER
ALS Vial : 20 Sample Multiplier: 1

Instrument :
MSVOA_N
ClientSampleId :

Quant Time: Nov 18 02:33:51 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

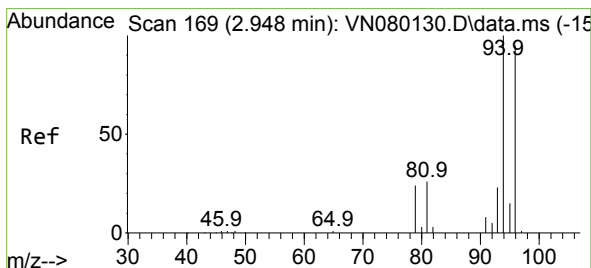
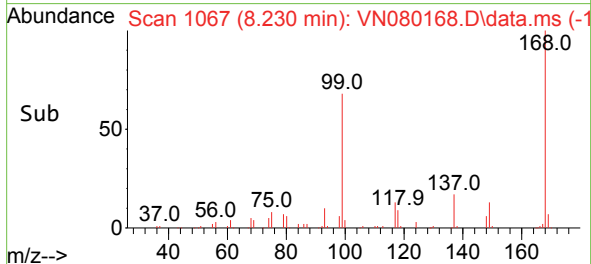
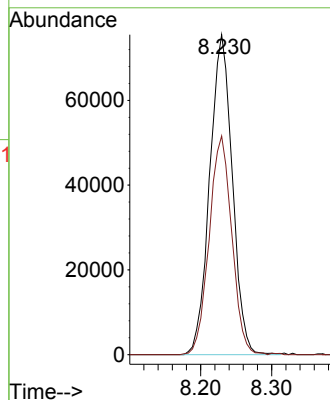
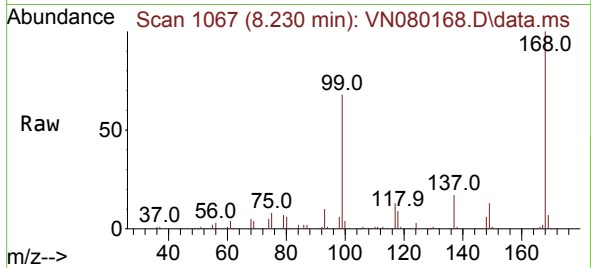




#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 8.230 min Scan# 11
Delta R.T. 0.006 min
Lab File: VN080168.D
Acq: 17 Nov 2023 17:16

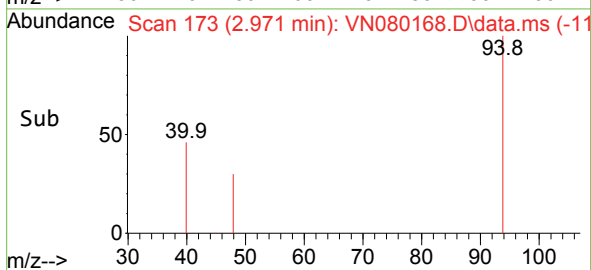
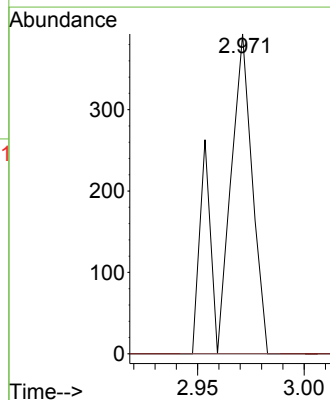
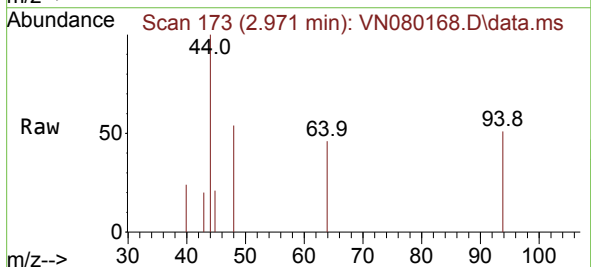
Instrument :
MSVOA_N
ClientSampleId :

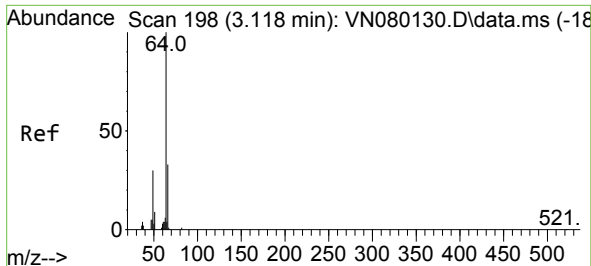
Tgt Ion:168 Resp: 166766
Ion Ratio Lower Upper
168 100
99 68.4 53.0 79.6



#5
Bromomethane
Concen: 0.270 ug/l
RT: 2.971 min Scan# 173
Delta R.T. 0.023 min
Lab File: VN080168.D
Acq: 17 Nov 2023 17:16

Tgt Ion: 94 Resp: 362
Ion Ratio Lower Upper
94 100
96 0.0 73.1 109.7#

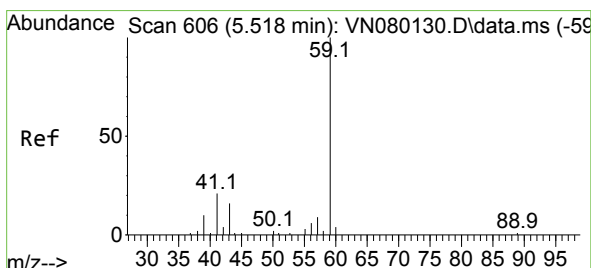
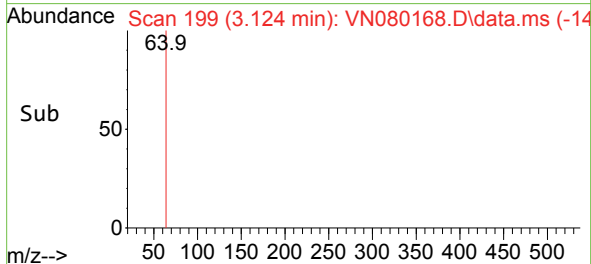
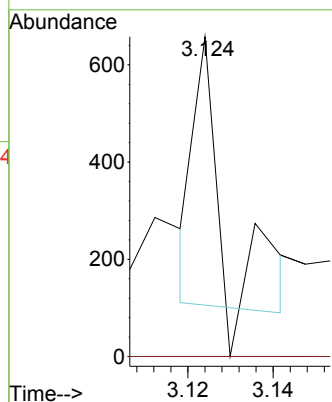
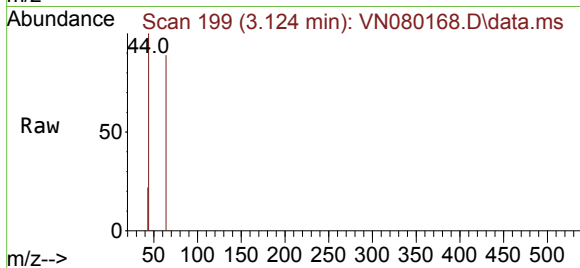




#6
Chloroethane
Concen: Below Cal
RT: 3.124 min Scan# 198
Delta R.T. 0.006 min
Lab File: VN080168.D
Acq: 17 Nov 2023 17:16

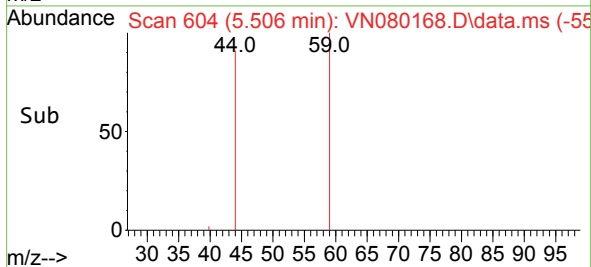
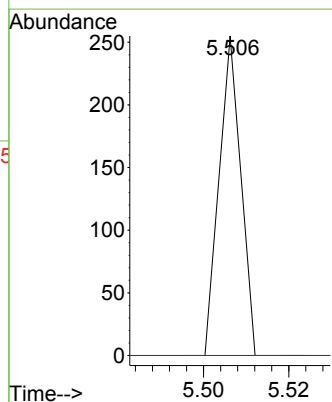
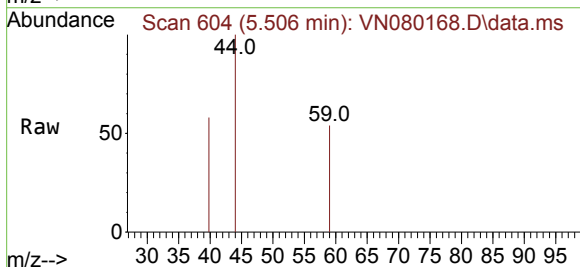
Instrument :
MSVOA_N
ClientSampleId :

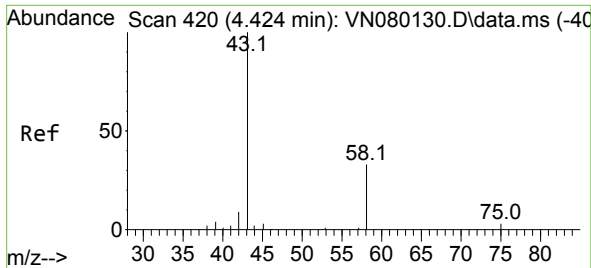
Tgt Ion: 64 Resp: 261
Ion Ratio Lower Upper
64 100
66 0.0 25.4 38.2#



#11
Tert butyl alcohol
Concen: 0.297 ug/l
RT: 5.506 min Scan# 604
Delta R.T. -0.012 min
Lab File: VN080168.D
Acq: 17 Nov 2023 17:16

Tgt Ion: 59 Resp: 90
Ion Ratio Lower Upper
59 100
57 0.0 8.2 12.4#

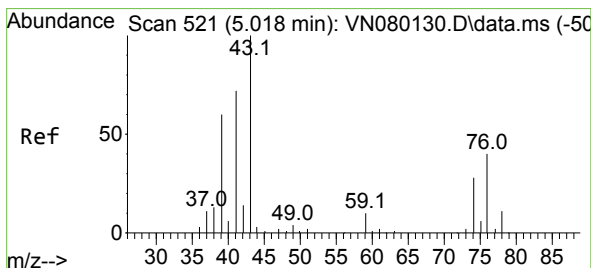
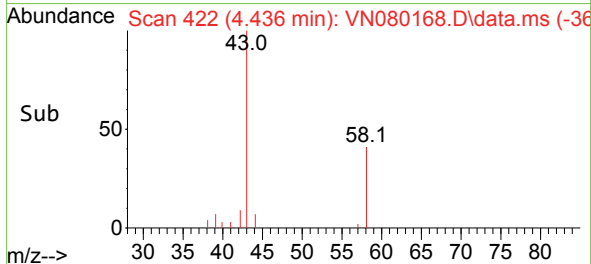
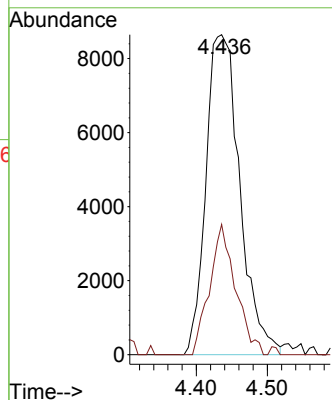
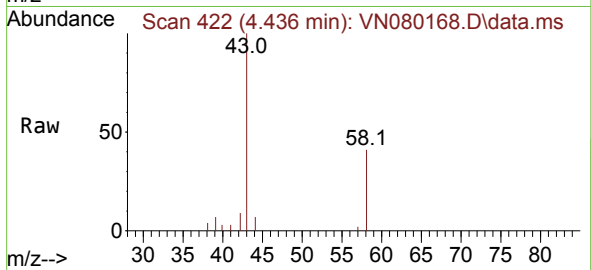




#16
Acetone
Concen: 30.954 ug/l
RT: 4.436 min Scan# 41
Delta R.T. 0.012 min
Lab File: VN080168.D
Acq: 17 Nov 2023 17:16

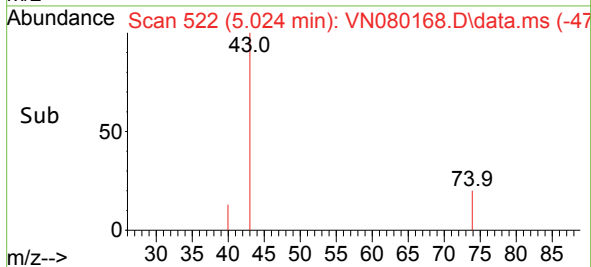
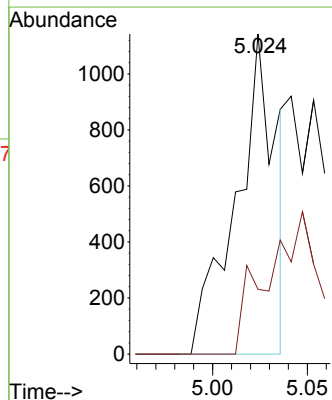
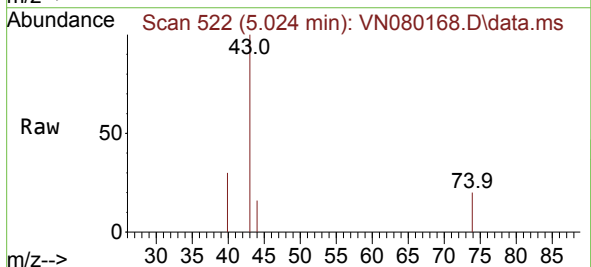
Instrument :
MSVOA_N
ClientSampleId :

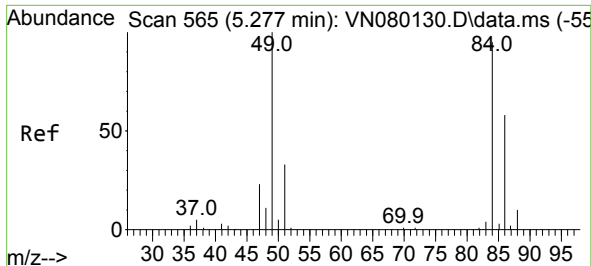
Tgt Ion: 43 Resp: 28628
Ion Ratio Lower Upper
43 100
58 40.7 28.0 42.0



#18
Methyl Acetate
Concen: 0.563 ug/l
RT: 5.024 min Scan# 522
Delta R.T. 0.006 min
Lab File: VN080168.D
Acq: 17 Nov 2023 17:16

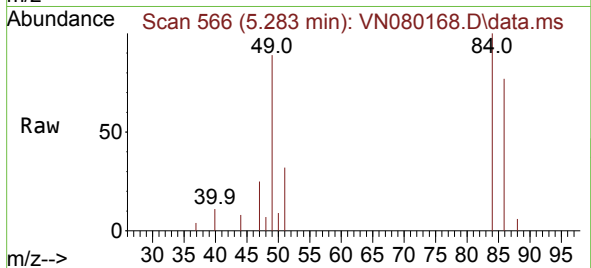
Tgt Ion: 43 Resp: 1672
Ion Ratio Lower Upper
43 100
74 0.0 26.2 39.4#



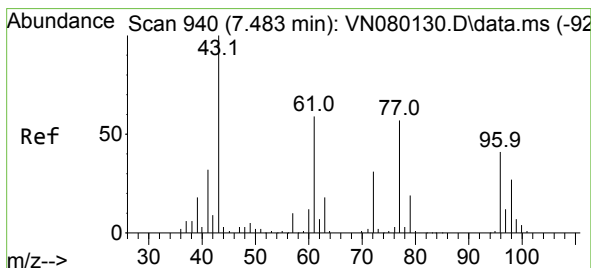
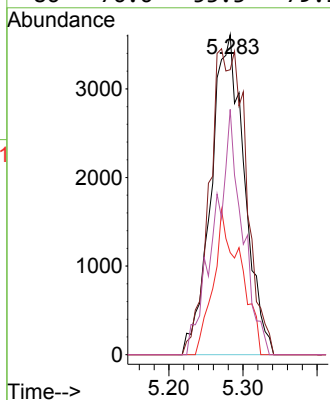


#20
Methylene Chloride
Concen: 5.807 ug/l
RT: 5.283 min Scan# 511
Delta R.T. 0.006 min
Lab File: VN080168.D
Acq: 17 Nov 2023 17:16

Instrument :
MSVOA_N
ClientSampleId :

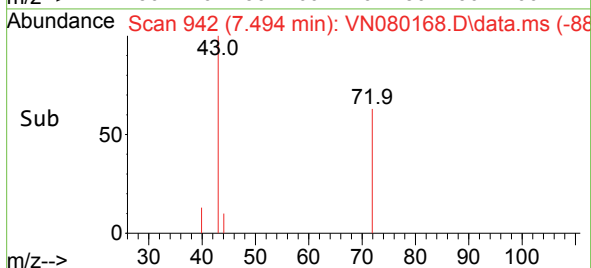
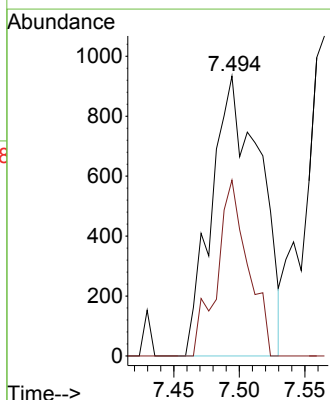
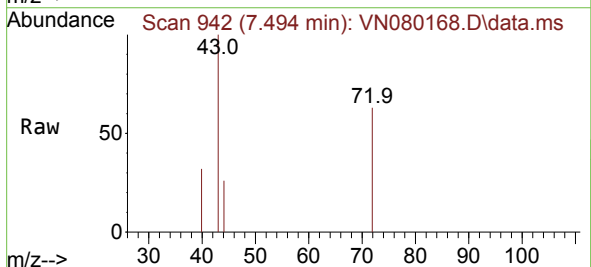


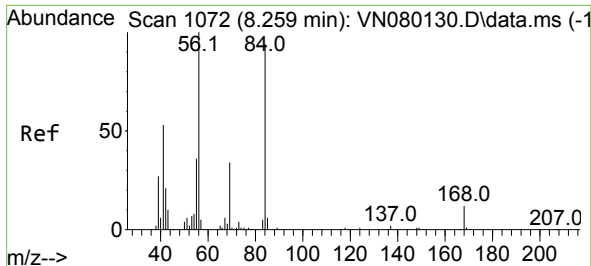
Tgt Ion:	84	Resp:	11246
Ion	Ratio	Lower	Upper
84	100		
49	89.1	79.7	119.5
51	31.9	25.2	37.8
86	76.6	53.3	79.9



#25
2-Butanone
Concen: 2.194 ug/l
RT: 7.494 min Scan# 942
Delta R.T. 0.012 min
Lab File: VN080168.D
Acq: 17 Nov 2023 17:16

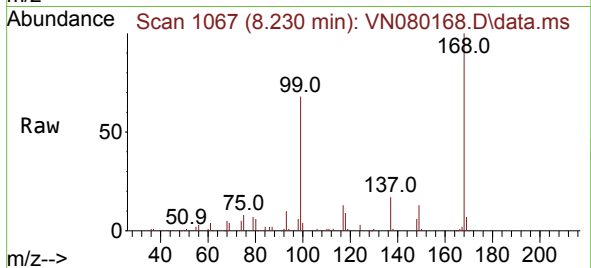
Tgt Ion:	43	Resp:	2411
Ion	Ratio	Lower	Upper
43	100		
72	62.8	30.2	45.2#



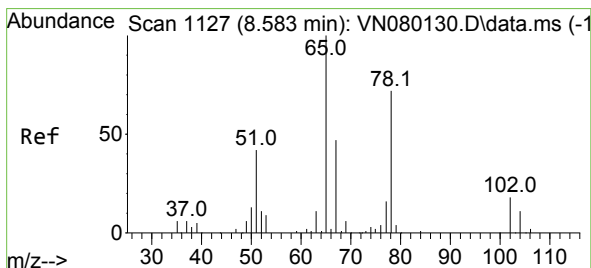
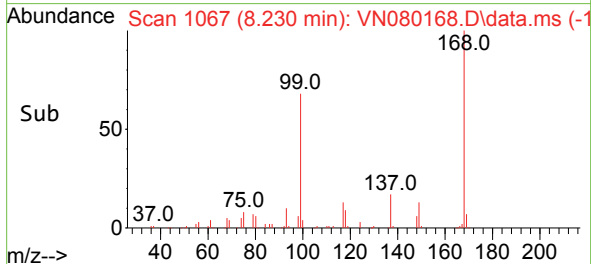
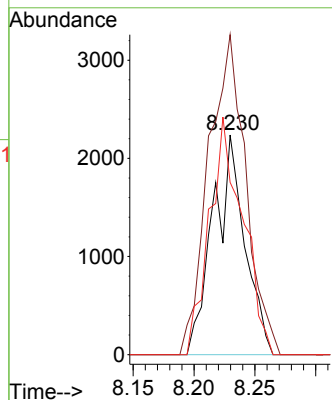


#31
Cyclohexane
Concen: 1.358 ug/l
RT: 8.230 min Scan# 1067
Delta R.T. -0.030 min
Lab File: VN080168.D
Acq: 17 Nov 2023 17:16

Instrument :
MSVOA_N
ClientSampleId :

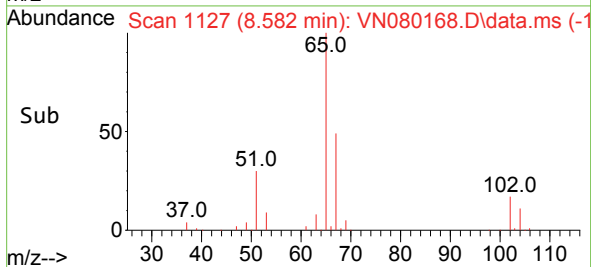
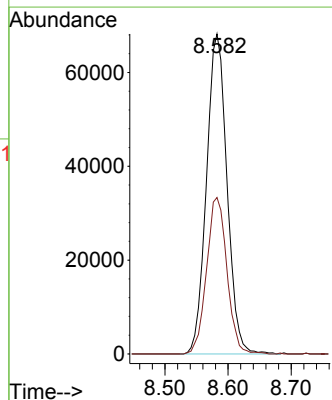
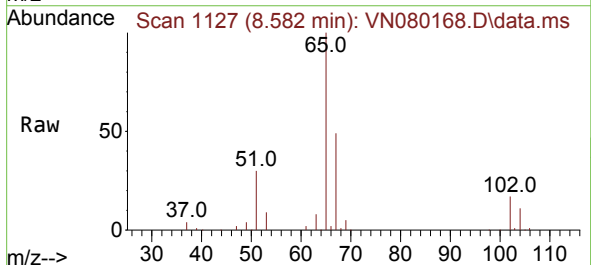


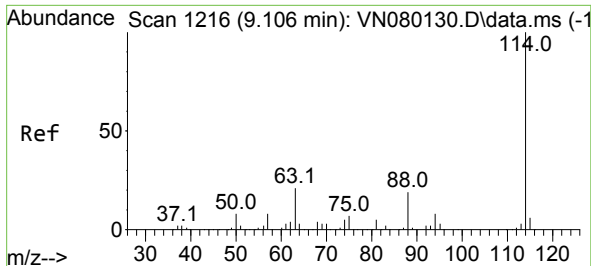
Tgt Ion: 56 Resp: 4067
Ion Ratio Lower Upper
56 100
69 145.7 26.8 40.2#
84 78.5 81.8 122.6#



#33
1,2-Dichloroethane-d4
Concen: 55.872 ug/l
RT: 8.582 min Scan# 1127
Delta R.T. -0.000 min
Lab File: VN080168.D
Acq: 17 Nov 2023 17:16

Tgt Ion: 65 Resp: 153847
Ion Ratio Lower Upper
65 100
67 48.5 0.0 106.6

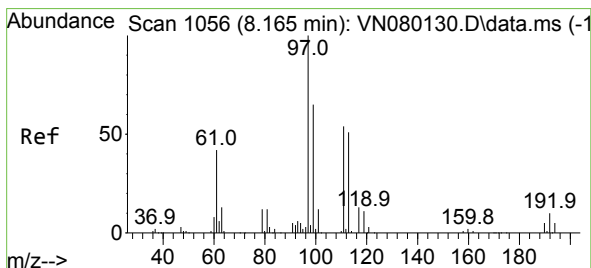
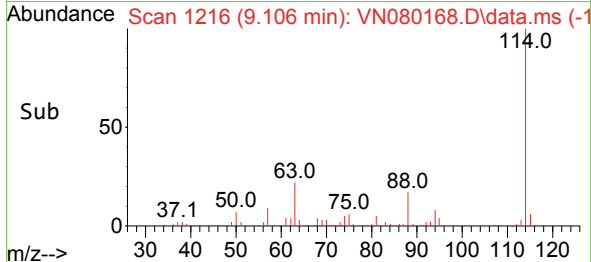
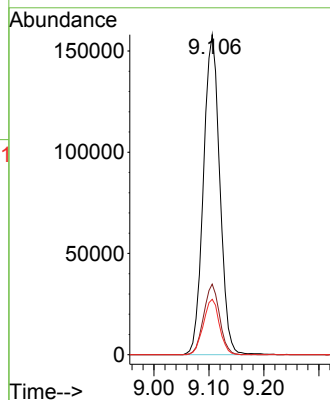
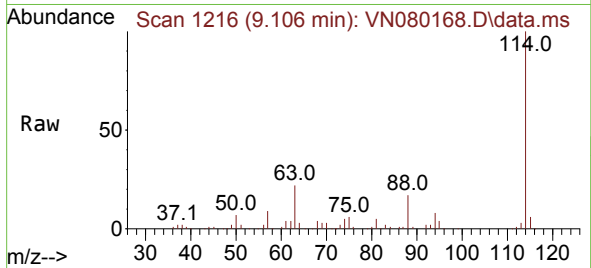




#34
1,4-Difluorobenzene
Concen: 50.000 ug/l
RT: 9.106 min Scan# 11
Delta R.T. -0.000 min
Lab File: VN080168.D
Acq: 17 Nov 2023 17:16

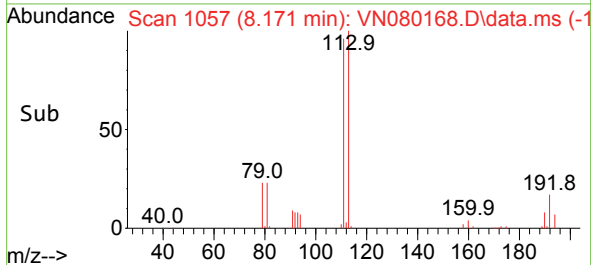
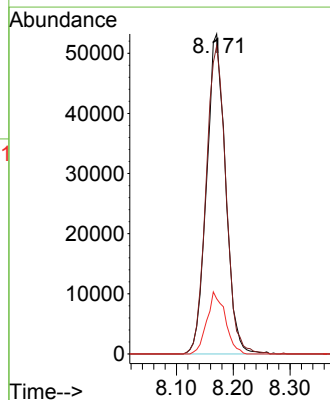
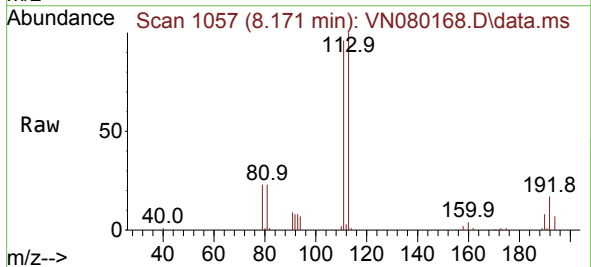
Instrument :
MSVOA_N
ClientSampleId :

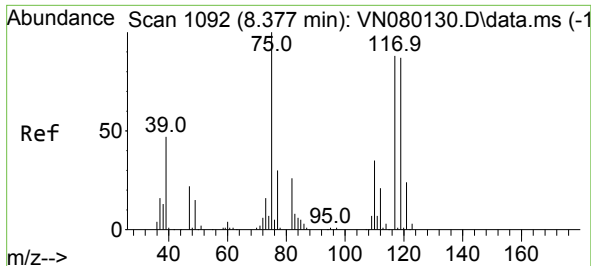
Tgt Ion:114 Resp: 326581
Ion Ratio Lower Upper
114 100
63 22.1 0.0 36.4
88 17.3 0.0 30.6



#35
Dibromofluoromethane
Concen: 51.178 ug/l
RT: 8.171 min Scan# 1057
Delta R.T. 0.006 min
Lab File: VN080168.D
Acq: 17 Nov 2023 17:16

Tgt Ion:113 Resp: 123325
Ion Ratio Lower Upper
113 100
111 100.5 82.6 123.8
192 18.8 12.7 19.1





#36

1,1-Dichloropropene

Concen: 3.975 ug/l

RT: 8.224 min Scan# 1066

Delta R.T. -0.153 min

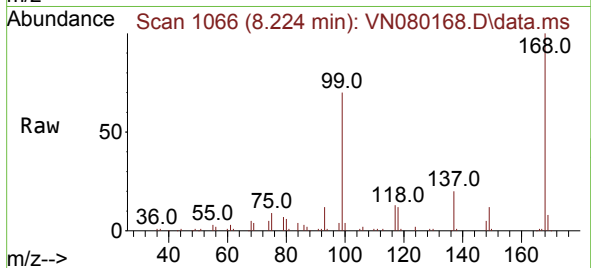
Lab File: VN080168.D

Acq: 17 Nov 2023 17:16

Instrument :

MSVOA_N

ClientSampleId :



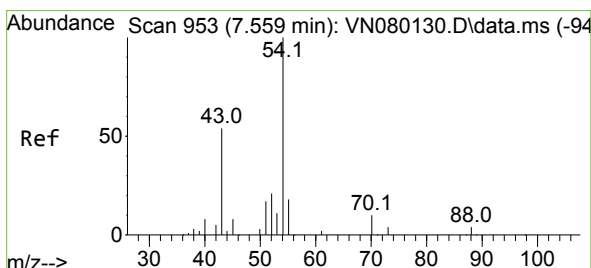
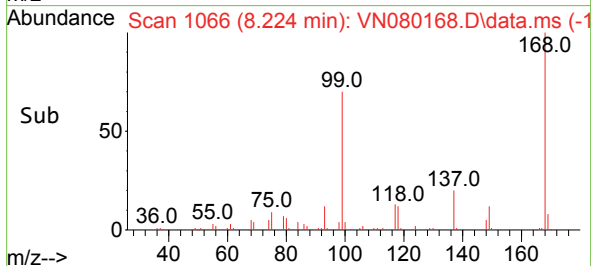
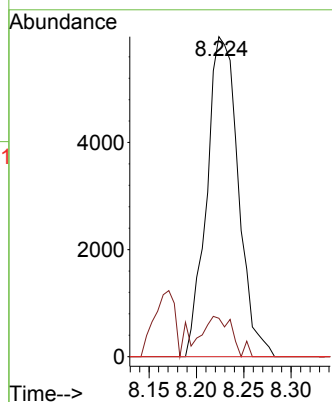
Tgt Ion: 75 Resp: 13868

Ion Ratio Lower Upper

75 100

110 10.9 19.1 57.3#

77 0.0 25.0 37.4#



#37

Ethyl Acetate

Concen: 1.350 ug/l

RT: 7.583 min Scan# 957

Delta R.T. 0.023 min

Lab File: VN080168.D

Acq: 17 Nov 2023 17:16

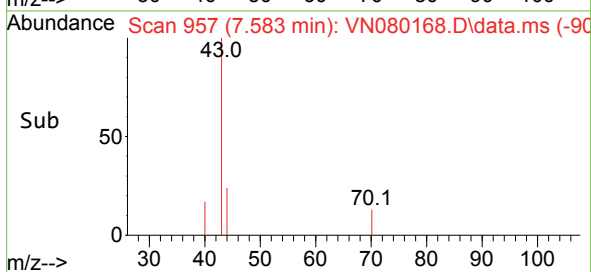
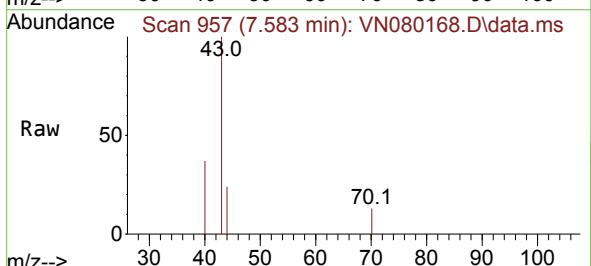
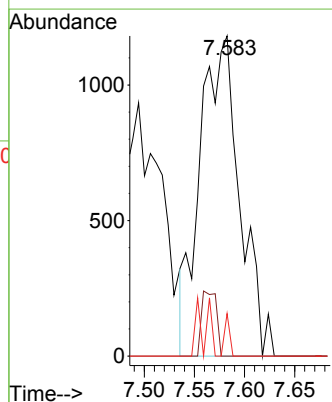
Tgt Ion: 43 Resp: 3268

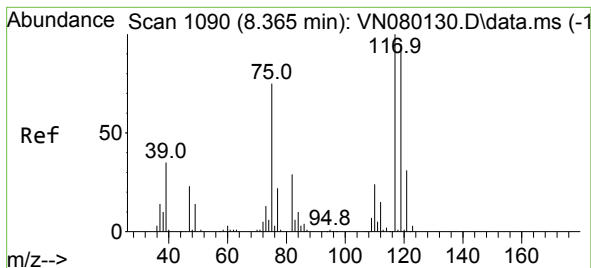
Ion Ratio Lower Upper

43 100

61 0.0 13.2 19.8#

70 1.7 11.3 16.9#





#38

Carbon Tetrachloride

Concen: 4.501 ug/l

RT: 8.230 min Scan# 1106

Delta R.T. -0.135 min

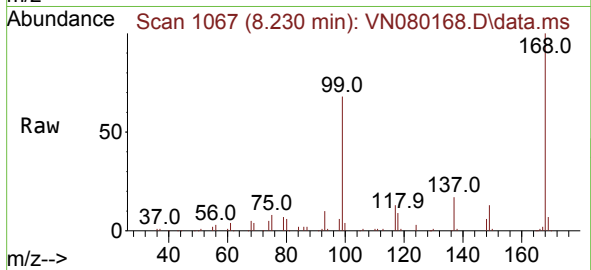
Lab File: VN080168.D

Acq: 17 Nov 2023 17:16

Instrument :

MSVOA_N

ClientSampleId :



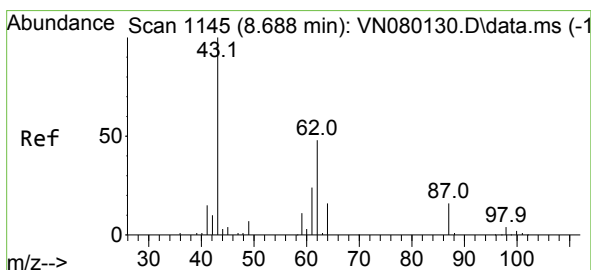
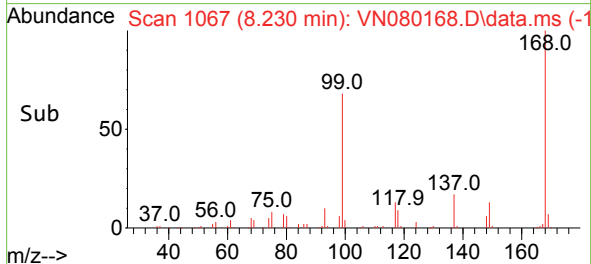
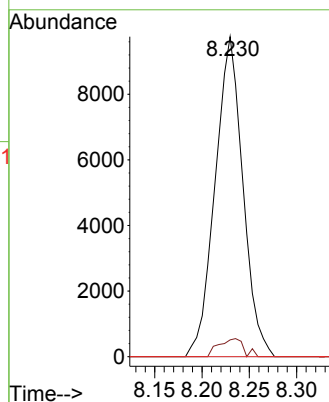
Tgt Ion:117 Resp: 19927

Ion Ratio Lower Upper

117 100

119 5.2 77.3 115.9#

121 0.0 23.3 34.9#



#43

Isopropyl Acetate

Concen: 25.298 ug/l

RT: 8.694 min Scan# 1146

Delta R.T. 0.006 min

Lab File: VN080168.D

Acq: 17 Nov 2023 17:16

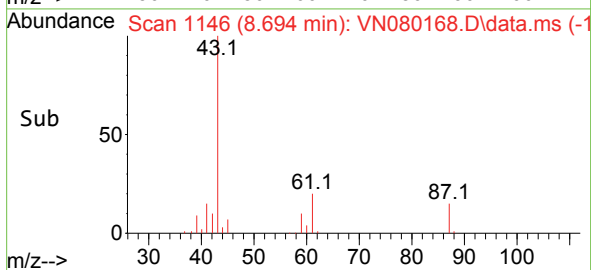
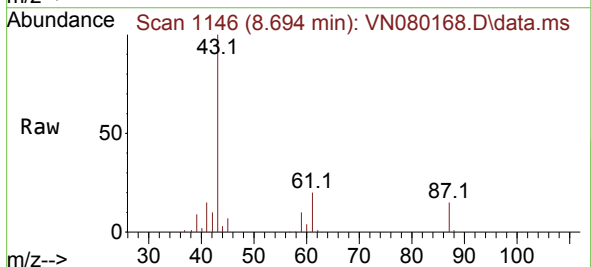
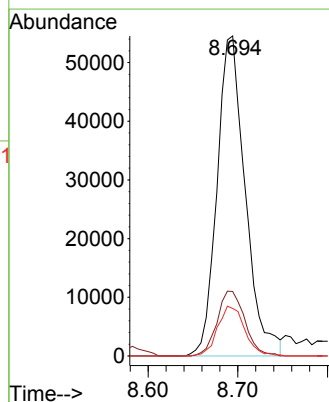
Tgt Ion: 43 Resp: 119133

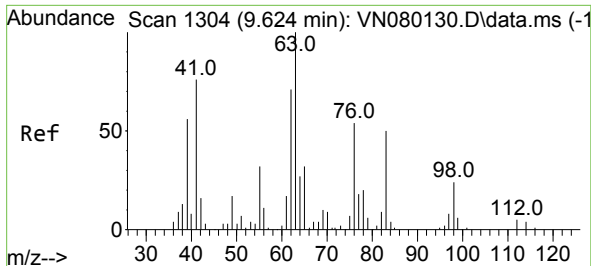
Ion Ratio Lower Upper

43 100

61 19.9 24.7 37.1#

87 15.0 14.6 21.8





#45

1,2-Dichloropropane

Concen: 0.586 ug/l

RT: 9.741 min Scan# 11

Delta R.T. 0.118 min

Lab File: VN080168.D

Acq: 17 Nov 2023 17:16

Instrument :

MSVOA_N

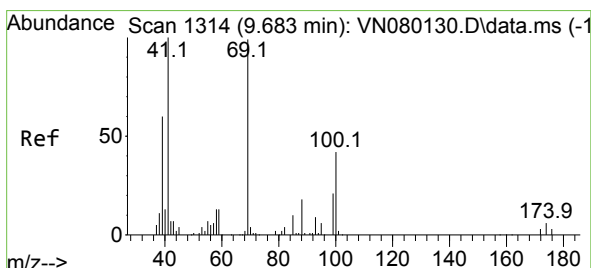
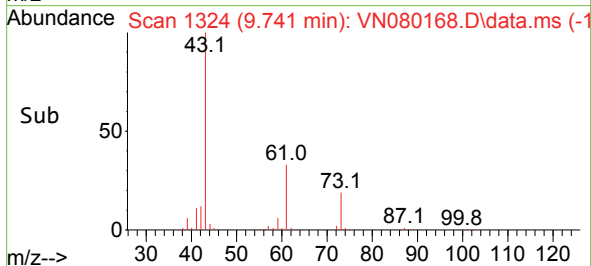
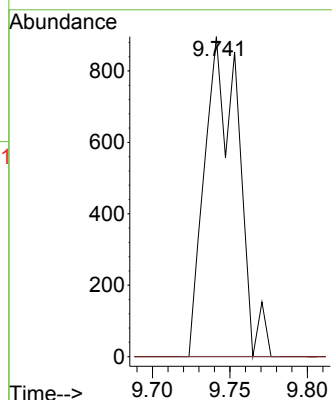
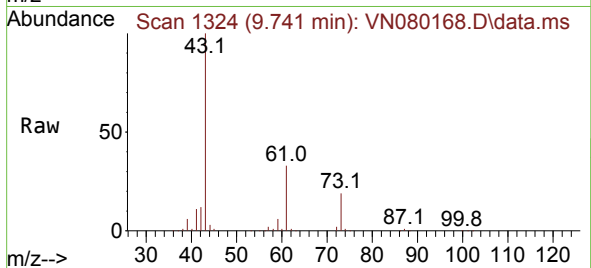
ClientSampleId :

Tgt Ion: 63 Resp: 1350

Ion Ratio Lower Upper

63 100

65 0.0 23.9 35.9#



#48

Methyl methacrylate

Concen: 1.296 ug/l

RT: 9.677 min Scan# 1313

Delta R.T. -0.006 min

Lab File: VN080168.D

Acq: 17 Nov 2023 17:16

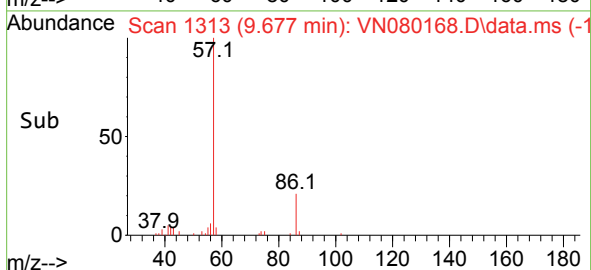
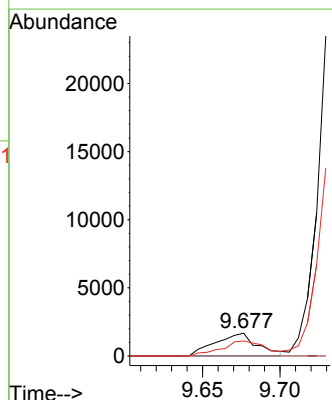
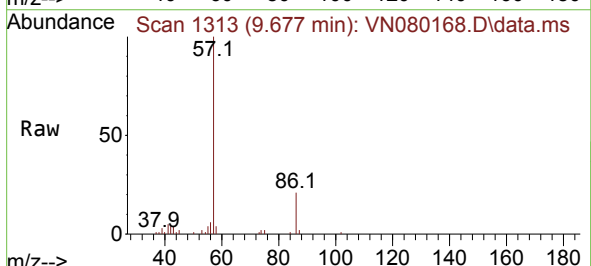
Tgt Ion: 41 Resp: 3145

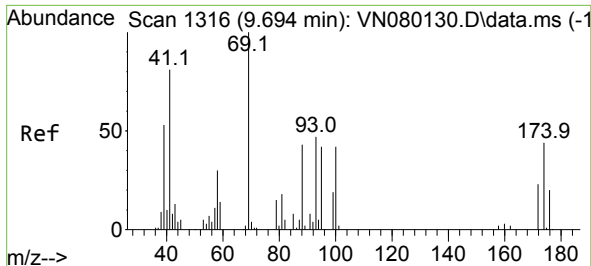
Ion Ratio Lower Upper

41 100

69 0.0 90.4 135.6#

39 68.9 54.6 81.8





#49

1,4-Dioxane

Concen: 3.790 ug/l

RT: 9.747 min Scan# 11

Delta R.T. 0.053 min

Lab File: VN080168.D

Acq: 17 Nov 2023 17:16

Instrument :

MSVOA_N

ClientSampleId :

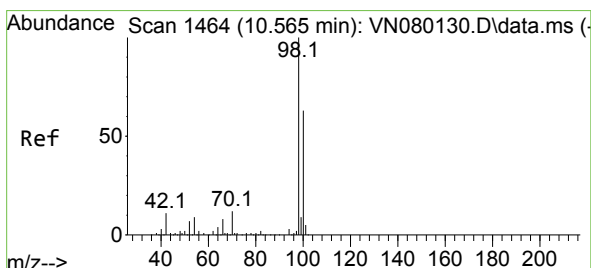
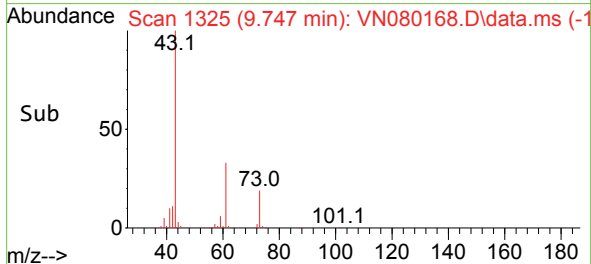
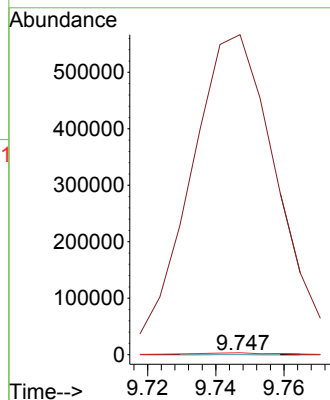
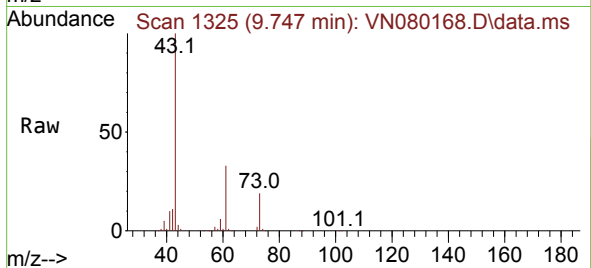
Tgt Ion: 88 Resp: 153

Ion Ratio Lower Upper

88 100

43 666186.3 17.0 25.6#

58 3877.8 47.0 70.4#



#50

Toluene-d8

Concen: 51.371 ug/l

RT: 10.571 min Scan# 1465

Delta R.T. 0.006 min

Lab File: VN080168.D

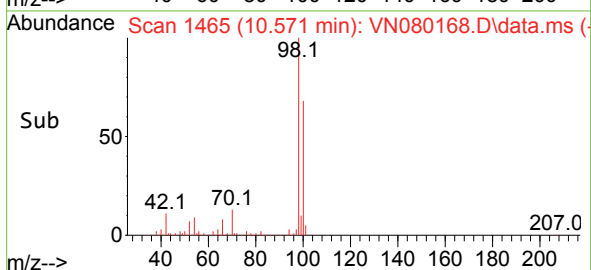
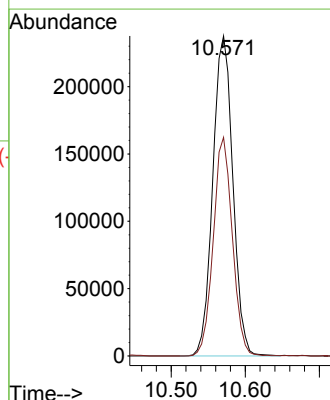
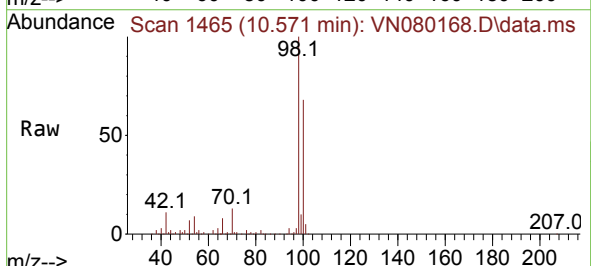
Acq: 17 Nov 2023 17:16

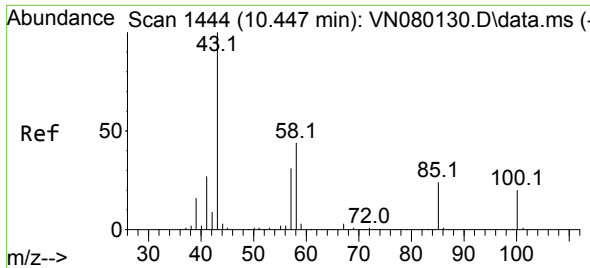
Tgt Ion: 98 Resp: 446244

Ion Ratio Lower Upper

98 100

100 65.0 52.0 78.0

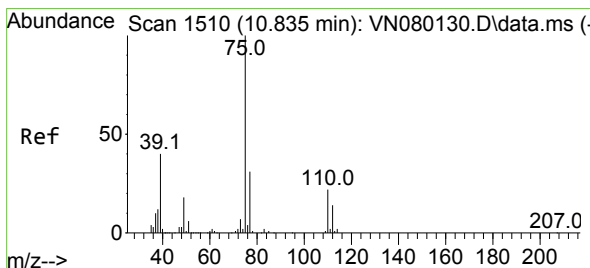
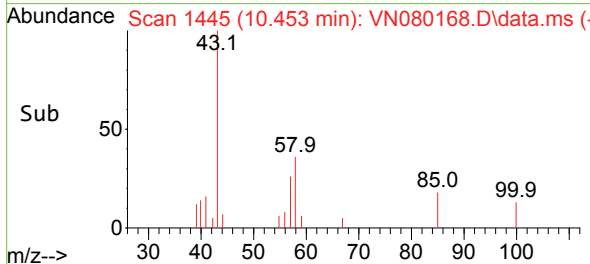
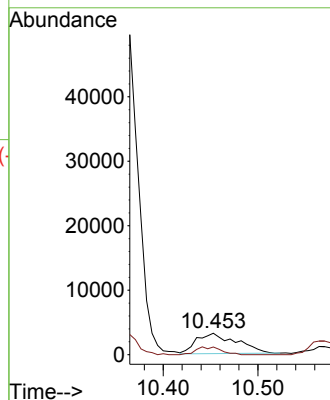
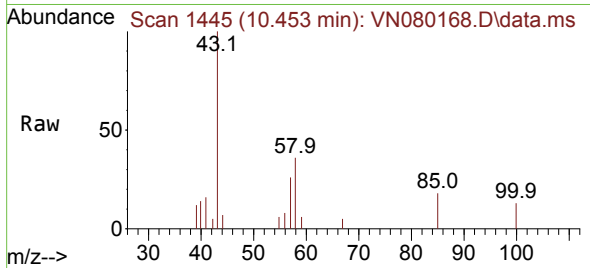




#51
4-Methyl-2-Pentanone
Concen: 3.812 ug/l
RT: 10.453 min Scan# 1444
Delta R.T. 0.006 min
Lab File: VN080168.D
Acq: 17 Nov 2023 17:16

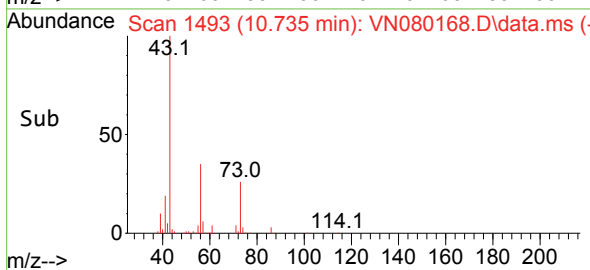
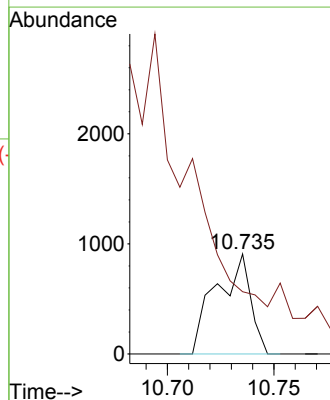
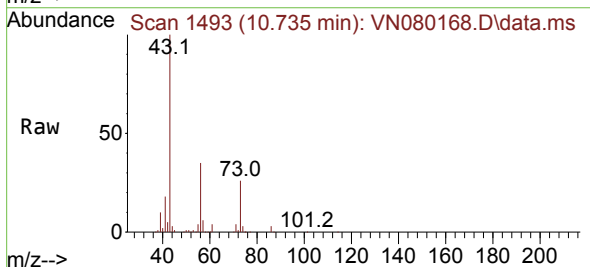
Instrument :
MSVOA_N
ClientSampleId :

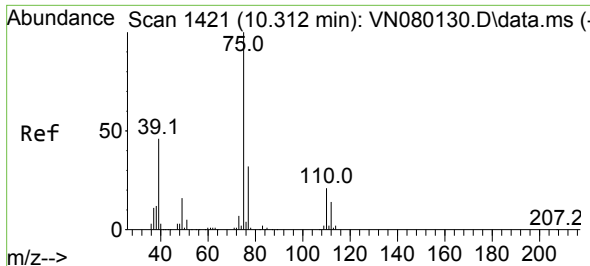
Tgt Ion: 43 Resp: 9294
Ion Ratio Lower Upper
43 100
58 23.7 36.6 54.8#



#53
t-1,3-Dichloropropene
Concen: 0.260 ug/l
RT: 10.735 min Scan# 1493
Delta R.T. -0.100 min
Lab File: VN080168.D
Acq: 17 Nov 2023 17:16

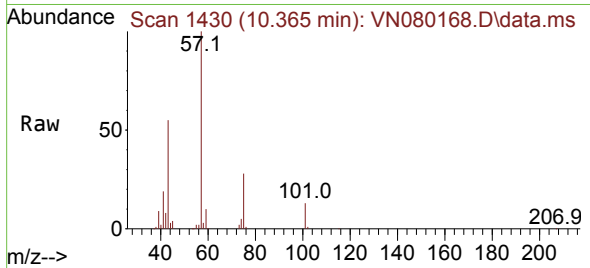
Tgt Ion: 75 Resp: 1024
Ion Ratio Lower Upper
75 100
77 0.0 25.4 38.0#



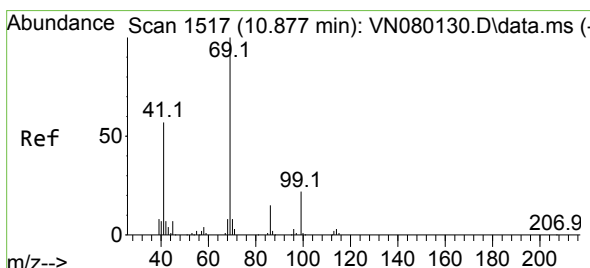
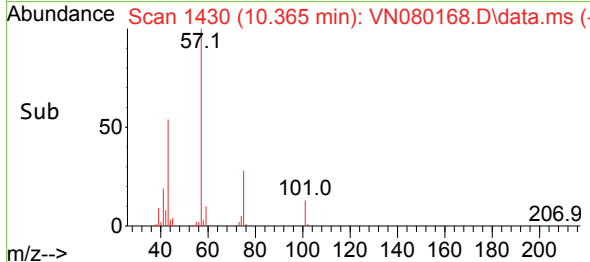
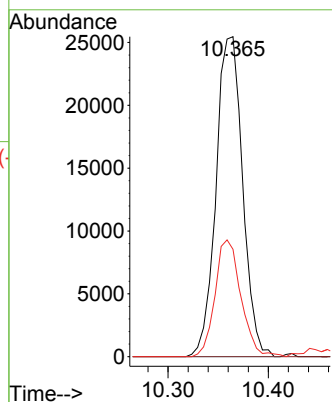


#54
 cis-1,3-Dichloropropene
 Concen: 11.619 ug/l
 RT: 10.365 min Scan# 1421
 Delta R.T. 0.053 min
 Lab File: VN080168.D
 Acq: 17 Nov 2023 17:16

Instrument :
 MSVOA_N
 ClientSampleId :

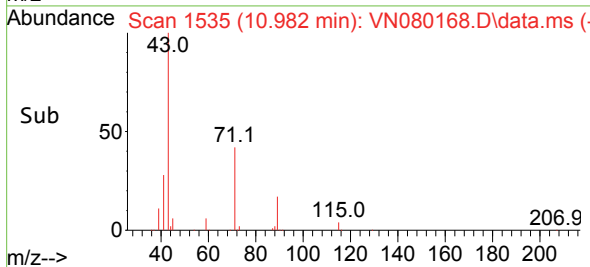
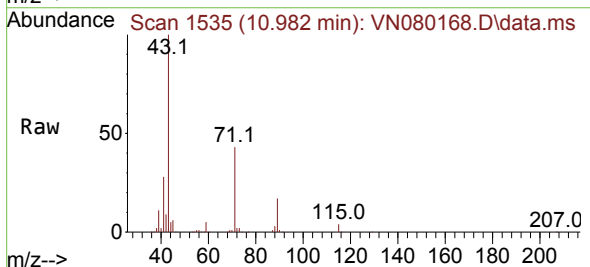
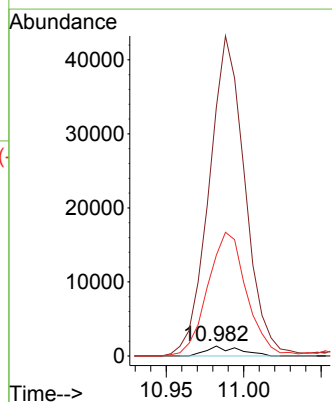


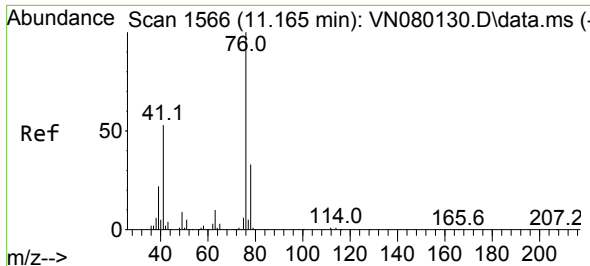
Tgt Ion: 75 Resp: 46797
 Ion Ratio Lower Upper
 75 100
 77 0.0 26.1 39.1#
 39 33.5 31.6 47.4



#56
 Ethyl methacrylate
 Concen: 0.826 ug/l
 RT: 10.982 min Scan# 1535
 Delta R.T. 0.106 min
 Lab File: VN080168.D
 Acq: 17 Nov 2023 17:16

Tgt Ion: 69 Resp: 1998
 Ion Ratio Lower Upper
 69 100
 41 3494.0 39.6 59.4#
 39 1461.9 28.6 43.0#

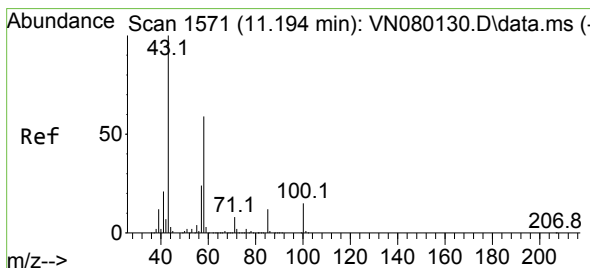
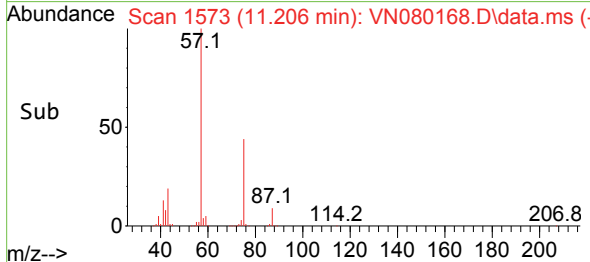
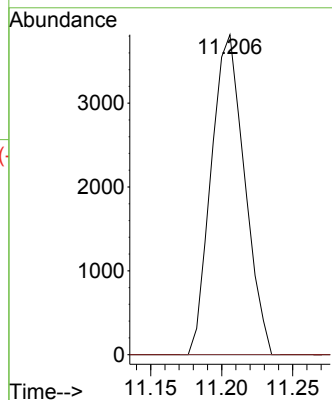
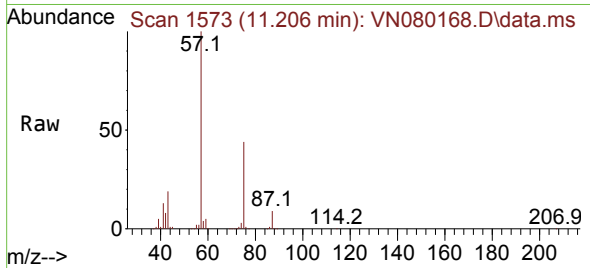




#57
1,3-Dichloropropane
Concen: 1.507 ug/l
RT: 11.206 min Scan# 11
Delta R.T. 0.041 min
Lab File: VN080168.D
Acq: 17 Nov 2023 17:16

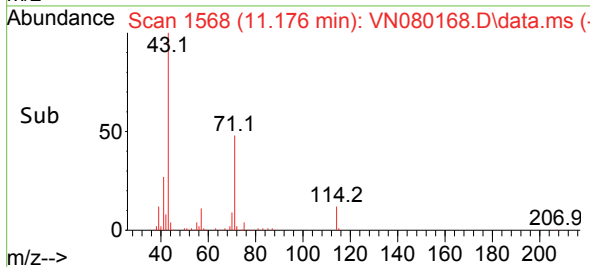
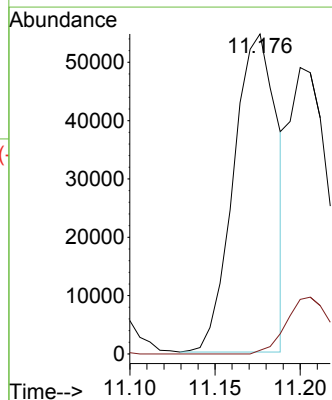
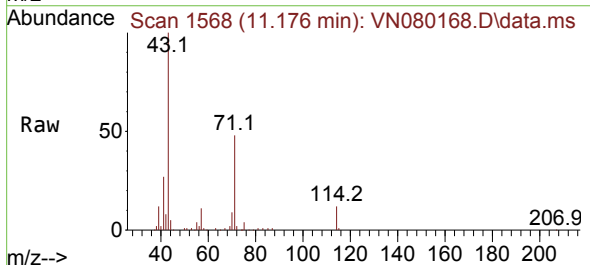
Instrument :
MSVOA_N
ClientSampleId :

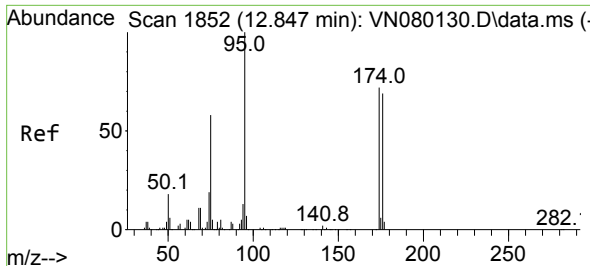
Tgt Ion: 76 Resp: 6233
Ion Ratio Lower Upper
76 100
78 0.0 26.1 39.1#



#59
2-Hexanone
Concen: 49.277 ug/l
RT: 11.176 min Scan# 1568
Delta R.T. -0.018 min
Lab File: VN080168.D
Acq: 17 Nov 2023 17:16

Tgt Ion: 43 Resp: 96540
Ion Ratio Lower Upper
43 100
58 0.0 31.7 95.1#

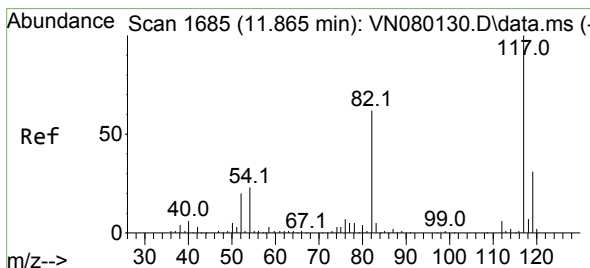
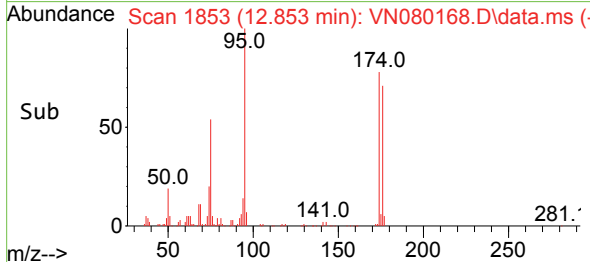
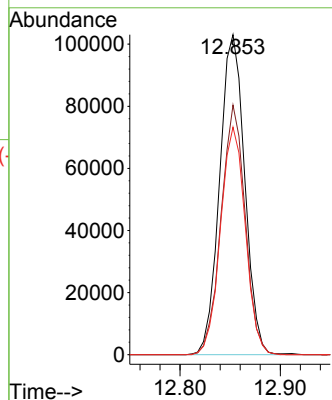
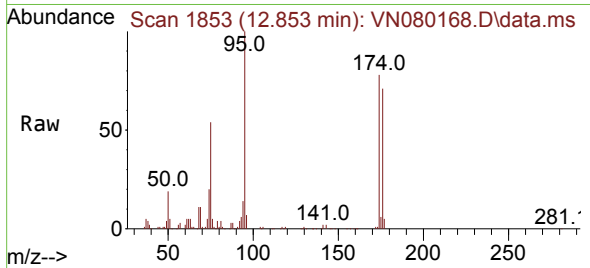




#62
4-Bromofluorobenzene
Concen: 54.425 ug/l
RT: 12.853 min Scan# 11
Delta R.T. 0.006 min
Lab File: VN080168.D
Acq: 17 Nov 2023 17:16

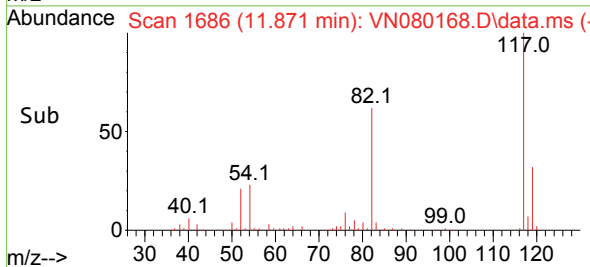
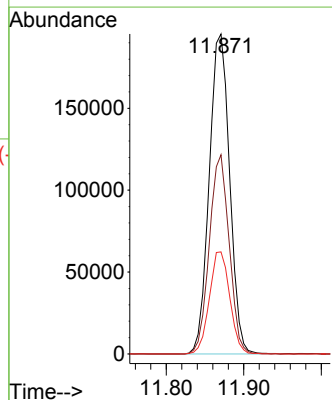
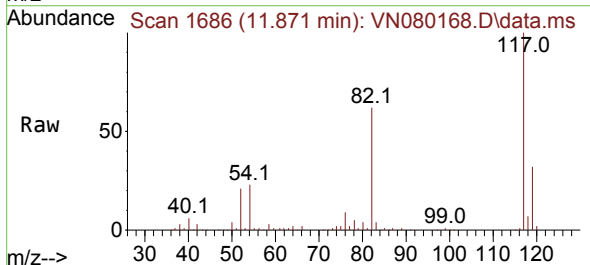
Instrument :
MSVOA_N
ClientSampleId :

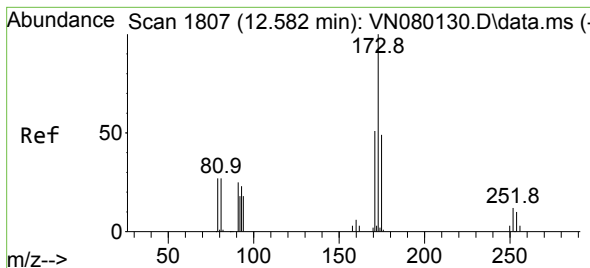
Tgt Ion: 95 Resp: 178573
Ion Ratio Lower Upper
95 100
174 75.1 0.0 143.8
176 70.4 0.0 135.8



#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.871 min Scan# 1686
Delta R.T. 0.006 min
Lab File: VN080168.D
Acq: 17 Nov 2023 17:16

Tgt Ion: 117 Resp: 357648
Ion Ratio Lower Upper
117 100
82 62.3 44.0 66.0
119 31.9 25.6 38.4





#71

Bromoform

Concen: 0.370 ug/l

RT: 12.853 min Scan# 1807

Delta R.T. 0.270 min

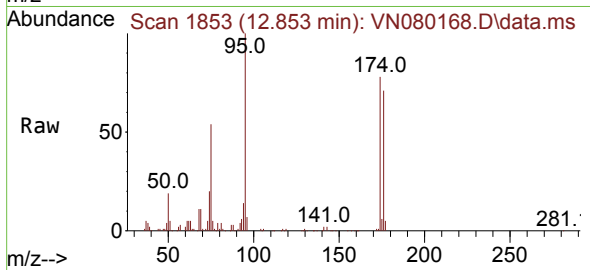
Lab File: VN080168.D

Acq: 17 Nov 2023 17:16

Instrument :

MSVOA_N

ClientSampleId :



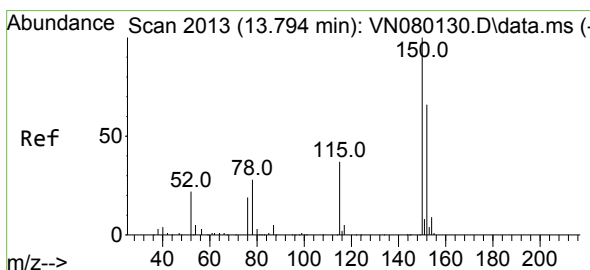
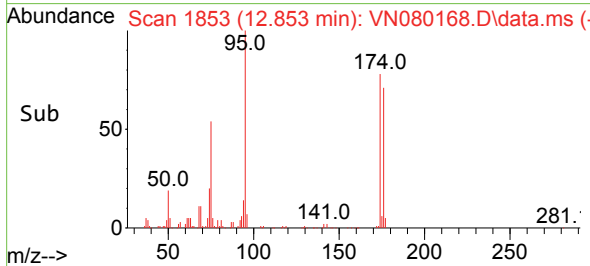
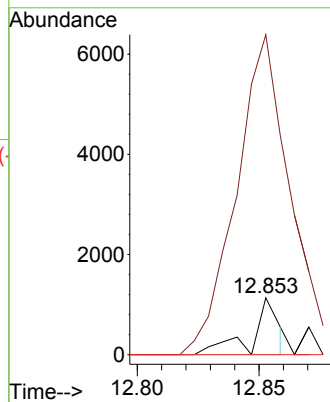
Tgt Ion:173 Resp: 864

Ion Ratio Lower Upper

173 100

175 918.8 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: VN080168.D

Acq: 17 Nov 2023 17:16

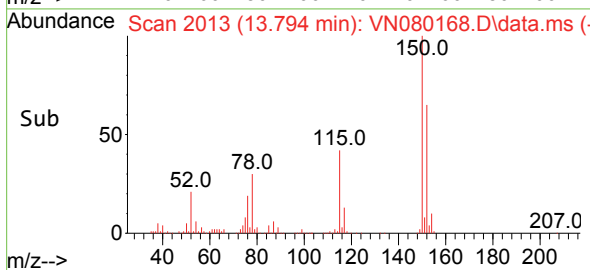
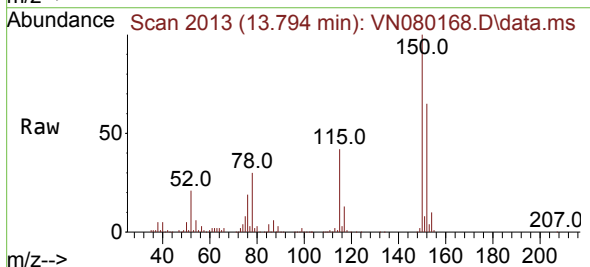
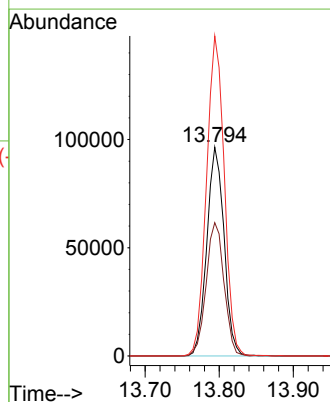
Tgt Ion:152 Resp: 155808

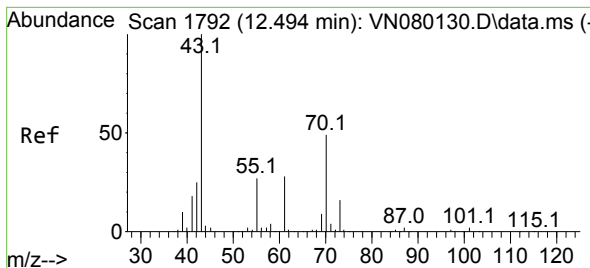
Ion Ratio Lower Upper

152 100

115 66.2 32.3 96.8

150 157.6 0.0 355.8





#74

N-amy1 acetate

Concen: 0.399 ug/l

RT: 12.482 min Scan# 1

Delta R.T. -0.012 min

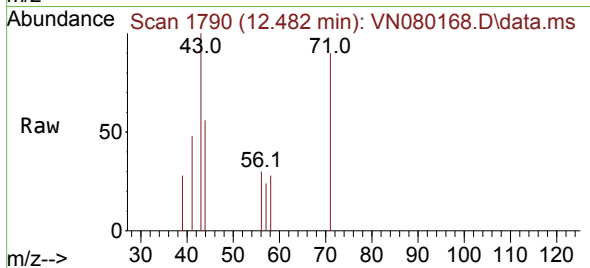
Lab File: VN080168.D

Acq: 17 Nov 2023 17:16

Instrument :

MSVOA_N

ClientSampleId :



Tgt Ion: 43 Resp: 1507

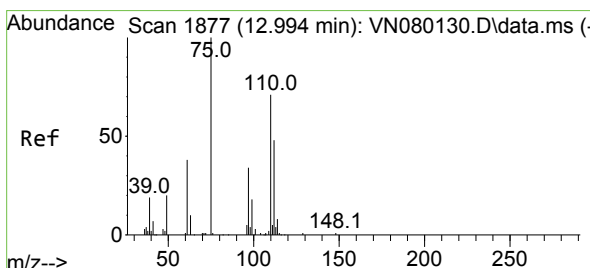
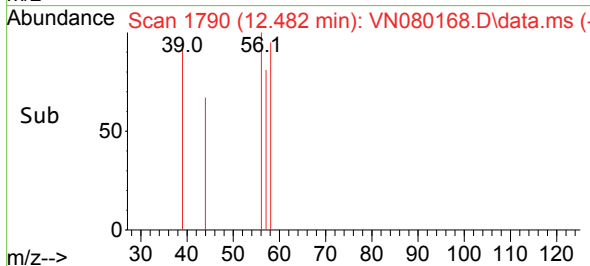
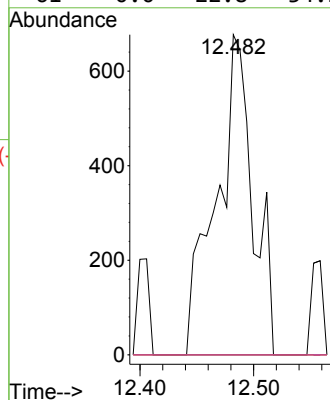
Ion Ratio Lower Upper

43 100

70 0.0 43.4 65.2#

55 0.0 21.4 32.0#

61 0.0 22.8 34.2#



#76

1,2,3-Trichloropropane

Concen: 26.421 ug/l

RT: 12.853 min Scan# 1853

Delta R.T. -0.141 min

Lab File: VN080168.D

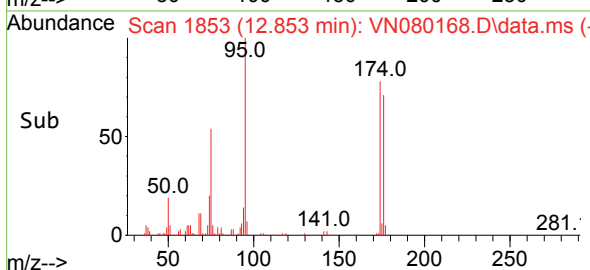
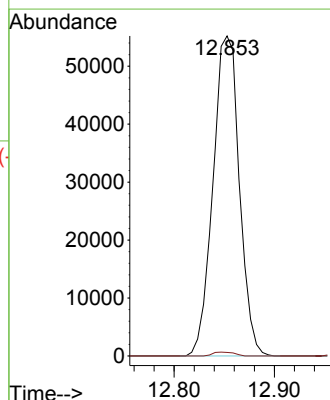
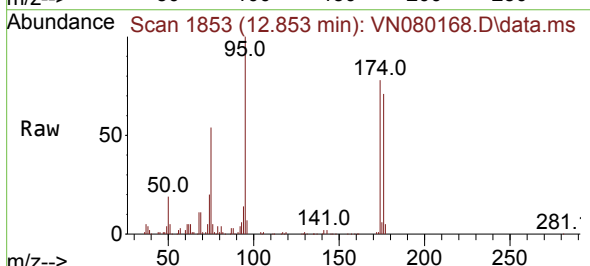
Acq: 17 Nov 2023 17:16

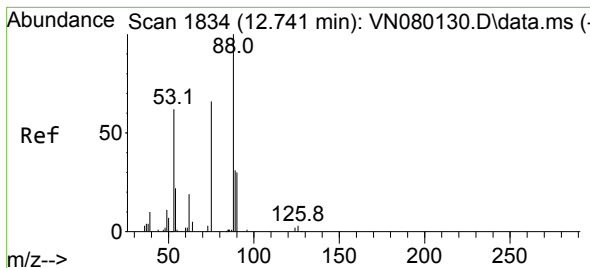
Tgt Ion: 75 Resp: 100862

Ion Ratio Lower Upper

75 100

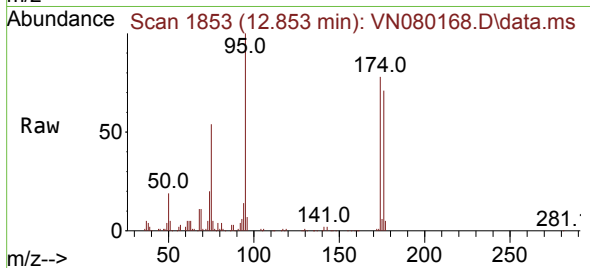
77 1.0 84.5 253.5#



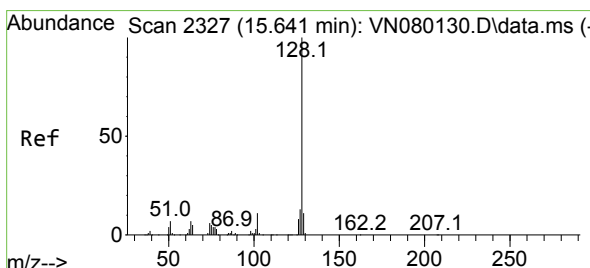
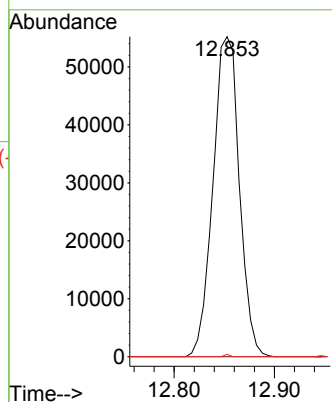
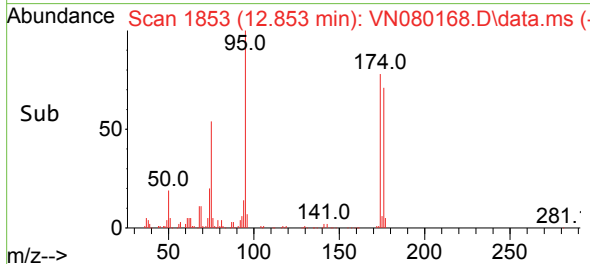


#81
trans-1,4-Dichloro-2-butene
Concen: 89.264 ug/l
RT: 12.853 min Scan# 1853
Delta R.T. 0.112 min
Lab File: VN080168.D
Acq: 17 Nov 2023 17:16

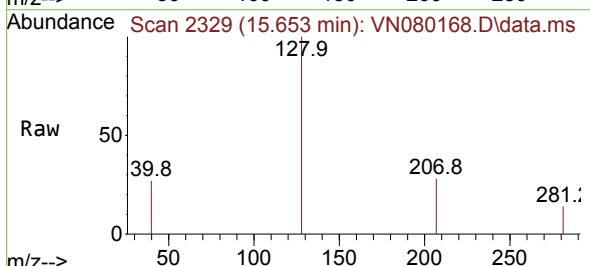
Instrument :
MSVOA_N
ClientSampleId :



Tgt Ion: 75 Resp: 100862
Ion Ratio Lower Upper
75 100
53 0.0 67.4 101.2#
89 0.1 38.8 58.2#



#95
Naphthalene
Concen: 0.250 ug/l
RT: 15.653 min Scan# 2329
Delta R.T. 0.012 min
Lab File: VN080168.D
Acq: 17 Nov 2023 17:16



Tgt Ion: 128 Resp: 2221
Ion Ratio Lower Upper
128 100
127 0.0 10.0 15.0#
129 0.0 8.7 13.1#

