

Data Path : Z:\voasrv\HPCHEM1\MSVOA_N\Data\VN111523\
 Data File : VN080118.D
 Acq On : 15 Nov 2023 18:16
 Operator : JC\MD
 Sample : 05418-03
 Misc : 5.0mL/MSVOA_N/WATER
 ALS Vial : 18 Sample Multiplier: 1

Instrument :
 MSVOA_N
 ClientSampleId :

Quant Time: Nov 15 21:57:11 2023
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_N\methods\82N110123W.M
 Quant Title : SW846 8260
 QLast Update : Thu Nov 02 05:49:08 2023
 Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)

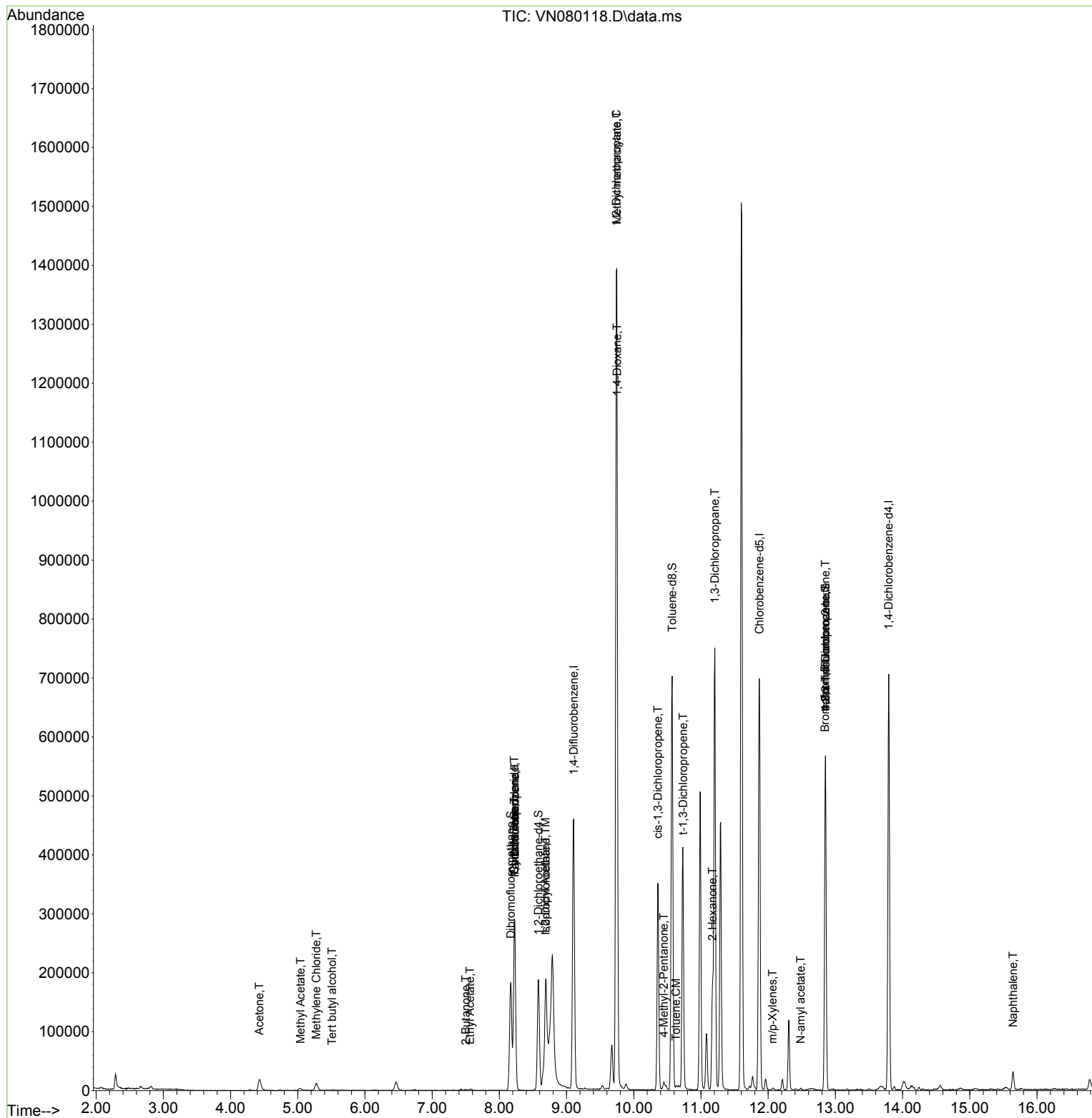
Internal Standards						
1) Pentafluorobenzene	8.229	168	200752	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	9.106	114	384350	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.870	117	405668	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.794	152	184710	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.582	65	166883	54.563	ug/l	0.00
Spiked Amount 50.000	Range 74 - 125		Recovery = 109.120%			
35) Dibromofluoromethane	8.171	113	129707	47.682	ug/l	0.00
Spiked Amount 50.000	Range 75 - 124		Recovery = 95.360%			
50) Toluene-d8	10.570	98	483731	48.304	ug/l	0.00
Spiked Amount 50.000	Range 86 - 113		Recovery = 96.600%			
62) 4-Bromofluorobenzene	12.853	95	195912	58.987	ug/l	0.00
Spiked Amount 50.000	Range 83 - 123		Recovery = 117.980%			
Target Compounds						
					Qvalue	
3) Chloromethane	2.371	50	442	Below Cal	#	42
11) Tert butyl alcohol	5.512	59	780	1.998	ug/l #	72
16) Acetone	4.430	43	36364	33.848	ug/l	100
18) Methyl Acetate	5.041	43	7408	1.441	ug/l #	42
20) Methylene Chloride	5.277	84	9691	3.575	ug/l	90
25) 2-Butanone	7.500	43	2515	1.599	ug/l #	78
31) Cyclohexane	8.224	56	5088	1.259	ug/l #	37
36) 1,1-Dichloropropene	8.229	75	17122	4.408	ug/l #	52
37) Ethyl Acetate	7.565	43	1140	0.320	ug/l #	72
38) Carbon Tetrachloride	8.224	117	21812	5.572	ug/l #	18
42) 1,2-Dichloroethane	8.688	62	1403	0.345	ug/l #	73
43) Isopropyl Acetate	8.688	43	239542	38.345	ug/l #	75
45) 1,2-Dichloropropane	9.741	63	2150	0.723	ug/l #	45
48) Methyl methacrylate	9.747	41	133825	48.908	ug/l #	27
49) 1,4-Dioxane	9.753	88	58	1.200	ug/l #	1
51) 4-Methyl-2-Pentanone	10.447	43	12954	3.683	ug/l #	73
52) Toluene	10.629	92	2092	0.303	ug/l	97
53) t-1,3-Dichloropropene	10.735	75	1203	0.283	ug/l #	51
54) cis-1,3-Dichloropropene	10.359	75	66082	14.285	ug/l #	65
57) 1,3-Dichloropropane	11.206	76	7996	1.635	ug/l #	42
59) 2-Hexanone	11.170	43	132903	49.397	ug/l #	19
68) m/p-Xylenes	12.064	106	1439	0.252	ug/l	94
71) Bromoform	12.847	173	677	0.301	ug/l #	1
74) N-amyl acetate	12.482	43	1271	0.208	ug/l #	36
76) 1,2,3-Trichloropropane	12.853	75	112325	25.903	ug/l #	1
81) trans-1,4-Dichloro-2-b...	12.853	75	112325	70.475	ug/l #	15
95) Naphthalene	15.647	128	27824	2.863	ug/l	99

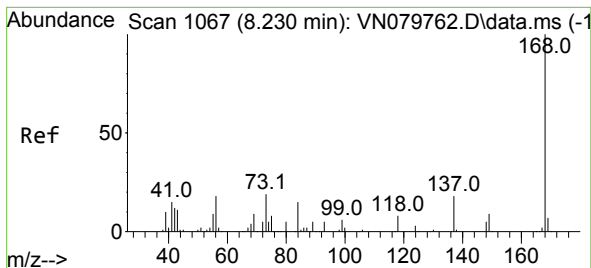
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Data Path : Z:\voasrv\HPCHEM1\MSVOA_N\Data\VN111523\
Data File : VN080118.D
Acq On : 15 Nov 2023 18:16
Operator : JC\MD
Sample : 05418-03
Misc : 5.0mL/MSVOA_N/WATER
ALS Vial : 18 Sample Multiplier: 1

Instrument :
MSVOA_N
ClientSampleId :

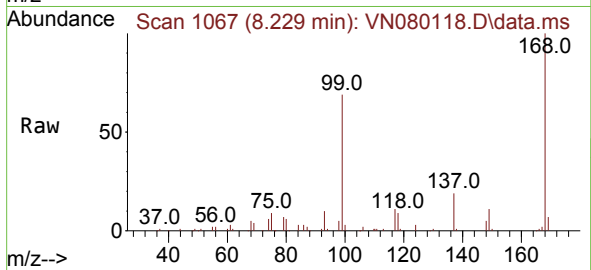
Quant Time: Nov 15 21:57:11 2023
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_N\methods\82N110123W.M
Quant Title : SW846 8260
QLast Update : Thu Nov 02 05:49:08 2023
Response via : Initial Calibration



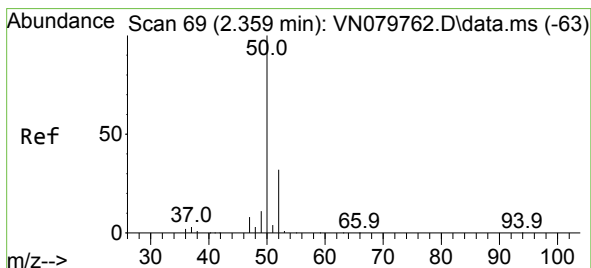
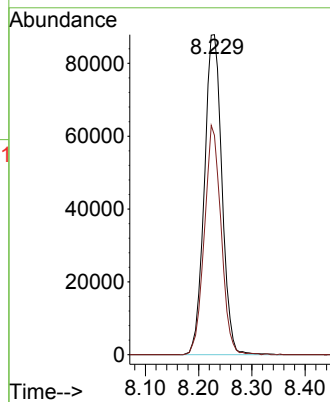
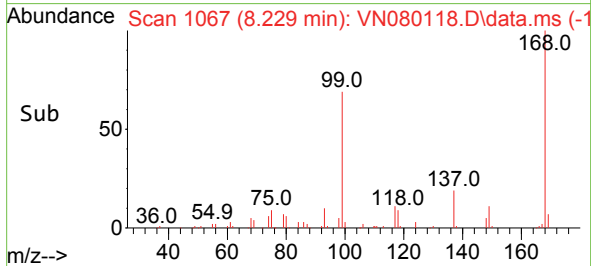


#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 8.229 min Scan# 10
Delta R.T. 0.000 min
Lab File: VN080118.D
Acq: 15 Nov 2023 18:16

Instrument :
MSVOA_N
ClientSampleId :

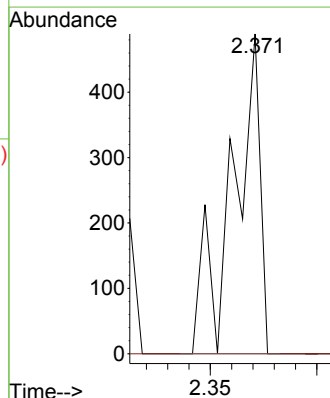
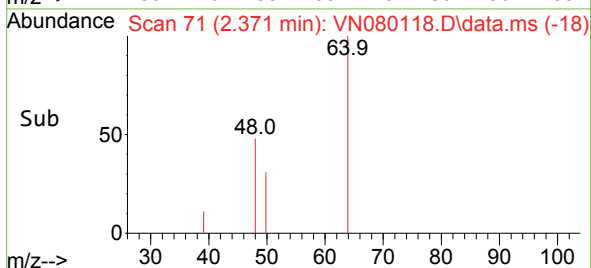
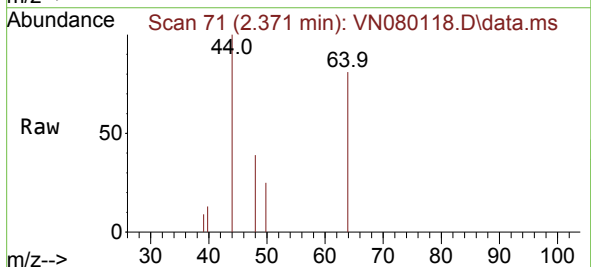


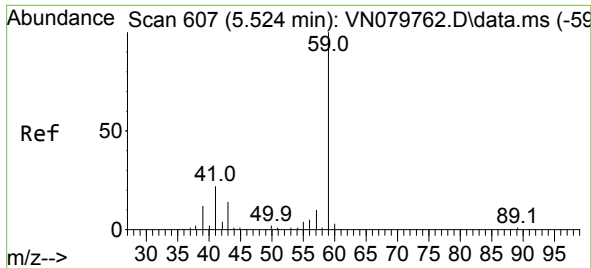
Tgt Ion:168 Resp: 200752
Ion Ratio Lower Upper
168 100
99 68.6 53.0 79.6



#3
Chloromethane
Concen: Below Cal
RT: 2.371 min Scan# 71
Delta R.T. 0.012 min
Lab File: VN080118.D
Acq: 15 Nov 2023 18:16

Tgt Ion: 50 Resp: 442
Ion Ratio Lower Upper
50 100
52 0.0 26.5 39.7#

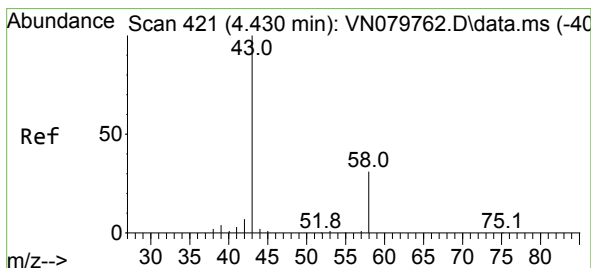
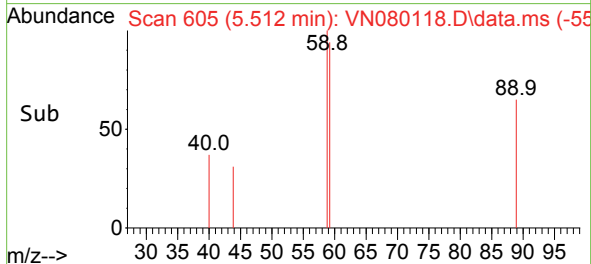
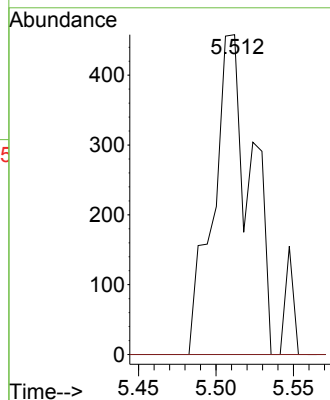
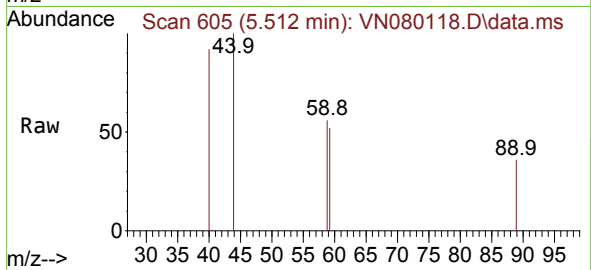




#11
Tert butyl alcohol
Concen: 1.998 ug/l
RT: 5.512 min Scan# 607
Delta R.T. -0.006 min
Lab File: VN080118.D
Acq: 15 Nov 2023 18:16

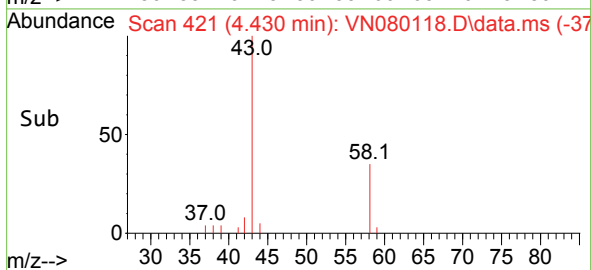
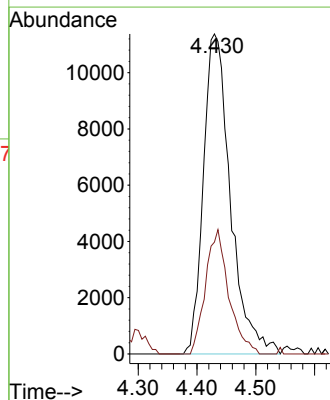
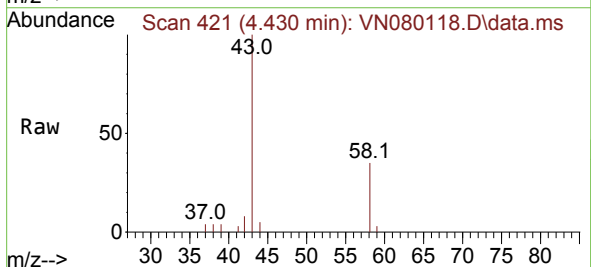
Instrument :
MSVOA_N
ClientSampleId :

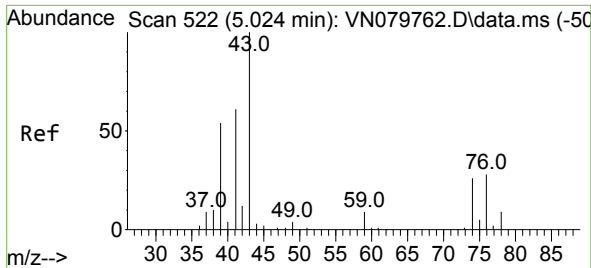
Tgt Ion: 59 Resp: 780
Ion Ratio Lower Upper
59 100
57 0.0 8.2 12.4#



#16
Acetone
Concen: 33.848 ug/l
RT: 4.430 min Scan# 421
Delta R.T. -0.000 min
Lab File: VN080118.D
Acq: 15 Nov 2023 18:16

Tgt Ion: 43 Resp: 36364
Ion Ratio Lower Upper
43 100
58 34.9 28.0 42.0

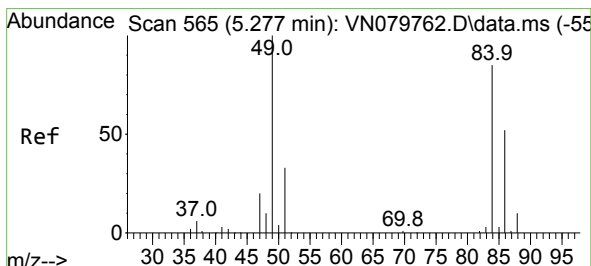
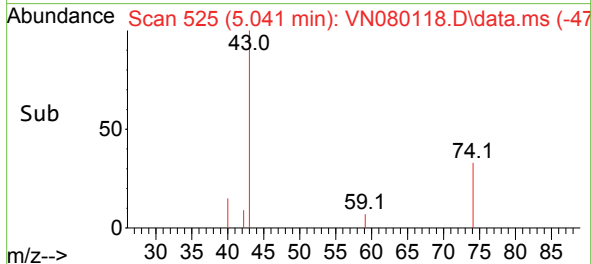
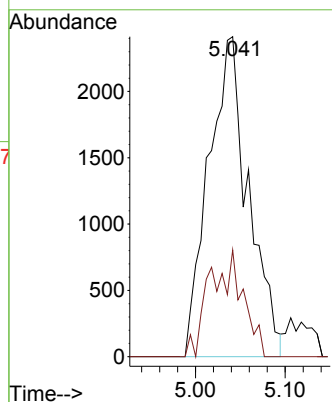
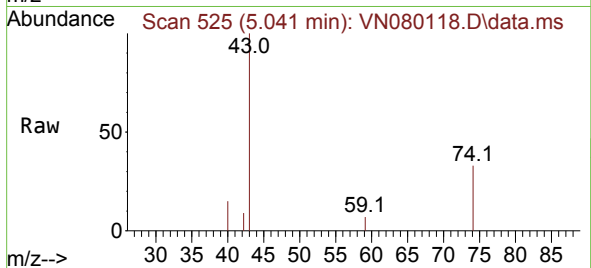




#18
Methyl Acetate
Concen: 1.441 ug/l
RT: 5.041 min Scan# 51
Delta R.T. 0.018 min
Lab File: VN080118.D
Acq: 15 Nov 2023 18:16

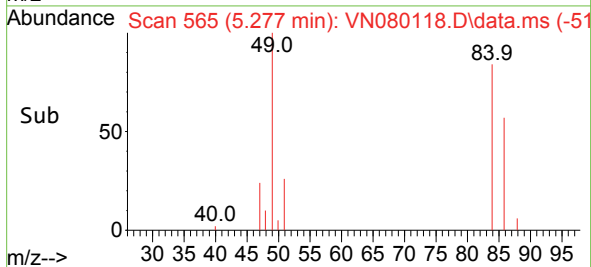
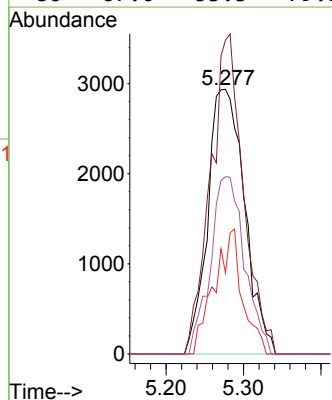
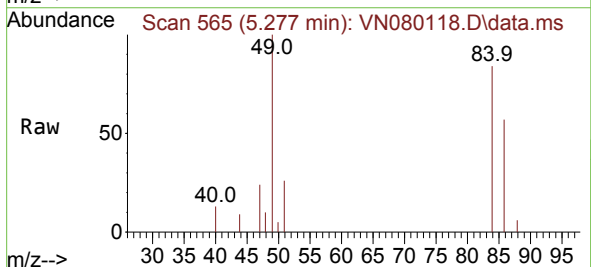
Instrument :
MSVOA_N
ClientSampleId :

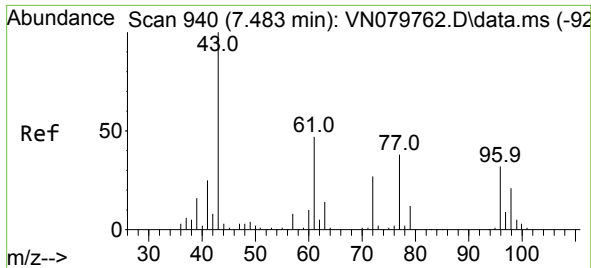
Tgt Ion: 43 Resp: 7408
Ion Ratio Lower Upper
43 100
74 0.0 26.2 39.4#



#20
Methylene Chloride
Concen: 3.575 ug/l
RT: 5.277 min Scan# 565
Delta R.T. 0.006 min
Lab File: VN080118.D
Acq: 15 Nov 2023 18:16

Tgt Ion: 84 Resp: 9691
Ion Ratio Lower Upper
84 100
49 118.6 79.7 119.5
51 30.7 25.2 37.8
86 67.0 53.3 79.9

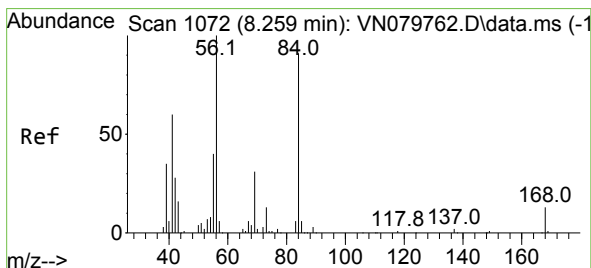
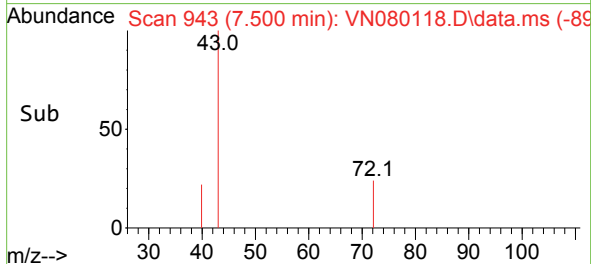
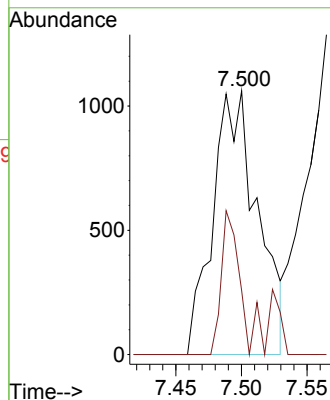
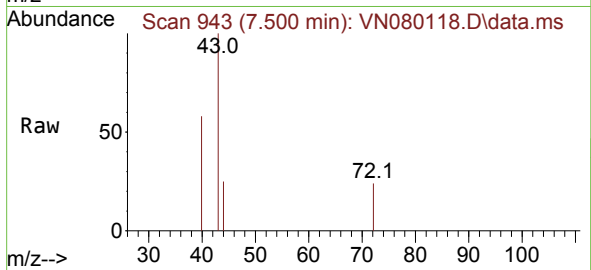




#25
2-Butanone
Concen: 1.599 ug/l
RT: 7.500 min Scan# 940
Delta R.T. 0.012 min
Lab File: VN080118.D
Acq: 15 Nov 2023 18:16

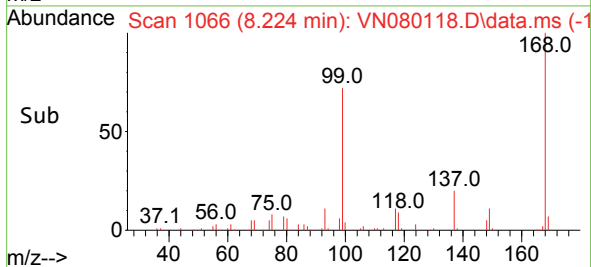
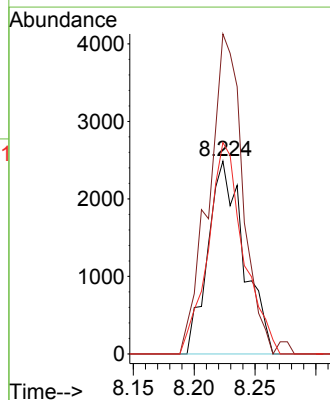
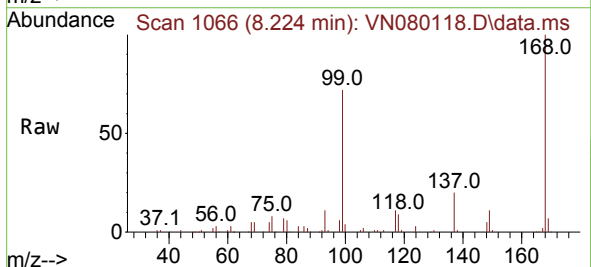
Instrument :
MSVOA_N
ClientSampleId :

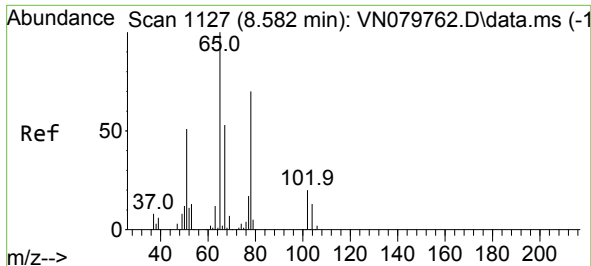
Tgt Ion: 43 Resp: 2515
Ion Ratio Lower Upper
43 100
72 24.3 30.2 45.2#



#31
Cyclohexane
Concen: 1.259 ug/l
RT: 8.224 min Scan# 1066
Delta R.T. -0.035 min
Lab File: VN080118.D
Acq: 15 Nov 2023 18:16

Tgt Ion: 56 Resp: 5088
Ion Ratio Lower Upper
56 100
69 166.0 26.8 40.2#
84 109.7 81.8 122.6





#33

1,2-Dichloroethane-d4

Concen: 54.563 ug/l

RT: 8.582 min Scan# 1127

Delta R.T. -0.000 min

Lab File: VN080118.D

Acq: 15 Nov 2023 18:16

Instrument :

MSVOA_N

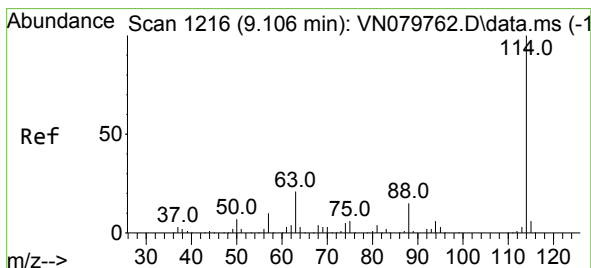
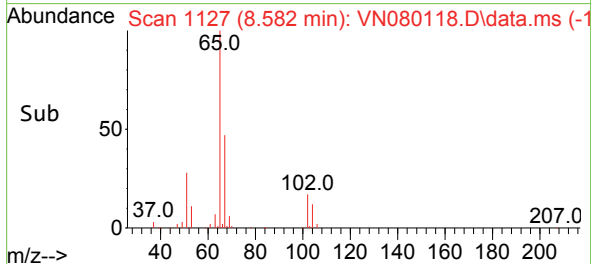
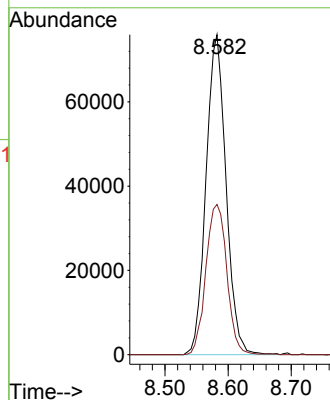
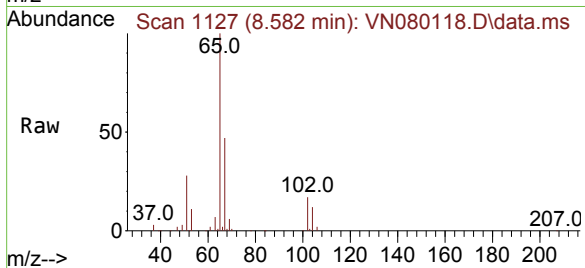
ClientSampleId :

Tgt Ion: 65 Resp: 166883

Ion Ratio Lower Upper

65 100

67 49.4 0.0 106.6



#34

1,4-Difluorobenzene

Concen: 50.000 ug/l

RT: 9.106 min Scan# 1216

Delta R.T. -0.000 min

Lab File: VN080118.D

Acq: 15 Nov 2023 18:16

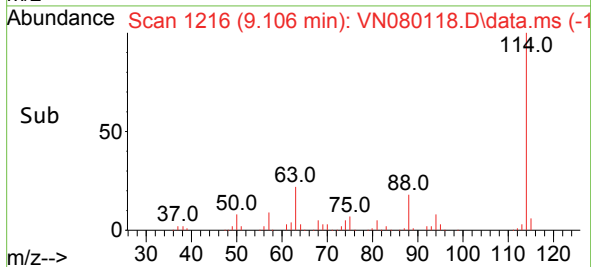
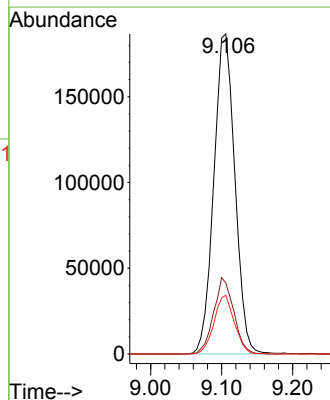
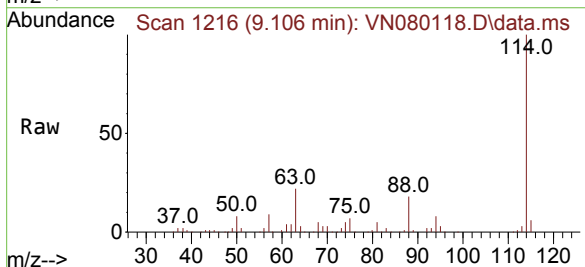
Tgt Ion: 114 Resp: 384350

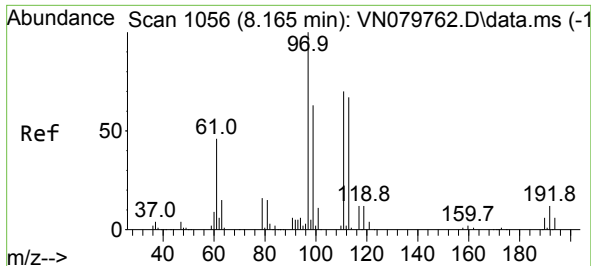
Ion Ratio Lower Upper

114 100

63 22.2 0.0 36.4

88 18.3 0.0 30.6





#35

Dibromofluoromethane

Concen: 47.682 ug/l

RT: 8.171 min Scan# 1056

Delta R.T. -0.000 min

Lab File: VN080118.D

Acq: 15 Nov 2023 18:16

Instrument :

MSVOA_N

ClientSampleId :

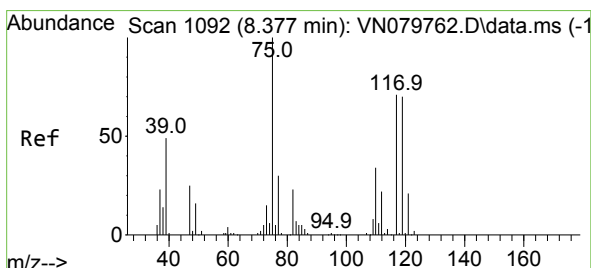
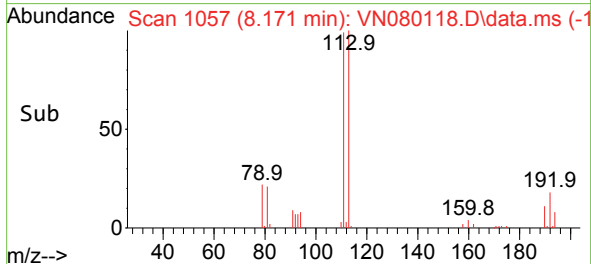
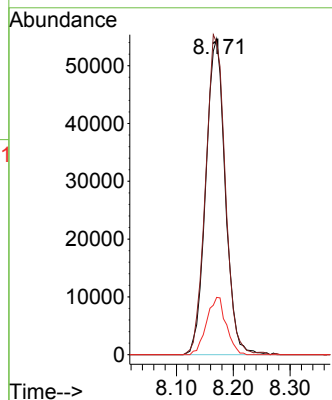
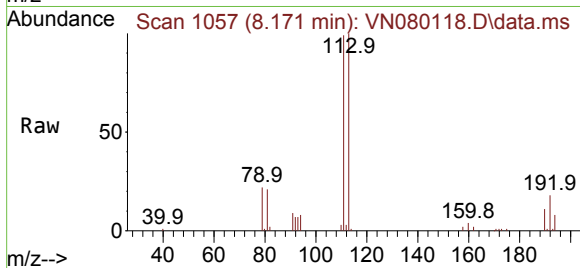
Tgt Ion:113 Resp: 129707

Ion Ratio Lower Upper

113 100

111 102.3 82.6 123.8

192 18.2 12.7 19.1



#36

1,1-Dichloropropene

Concen: 4.408 ug/l

RT: 8.229 min Scan# 1067

Delta R.T. -0.147 min

Lab File: VN080118.D

Acq: 15 Nov 2023 18:16

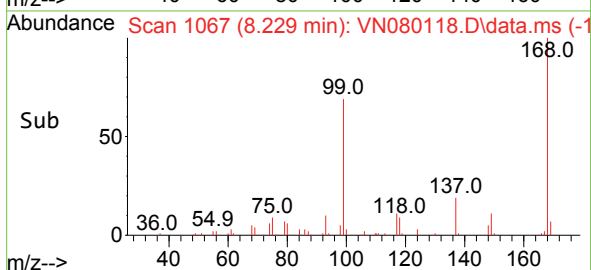
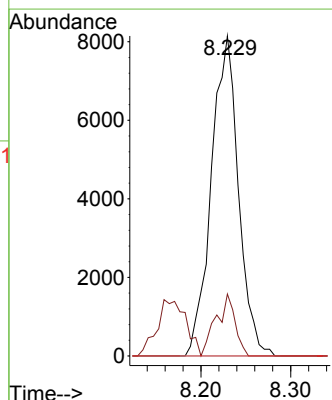
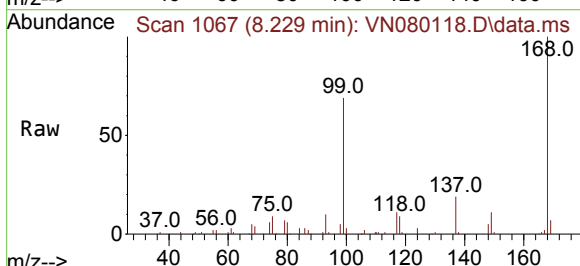
Tgt Ion: 75 Resp: 17122

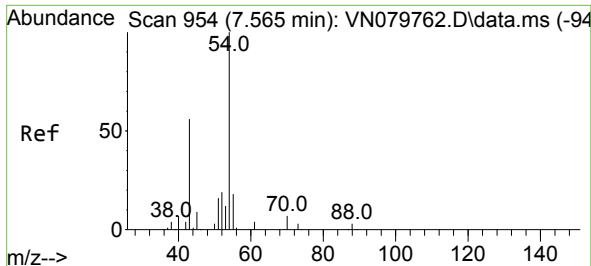
Ion Ratio Lower Upper

75 100

110 13.6 19.1 57.3#

77 0.0 25.0 37.4#





#37

Ethyl Acetate

Concen: 0.320 ug/l

RT: 7.565 min Scan# 91

Delta R.T. -0.000 min

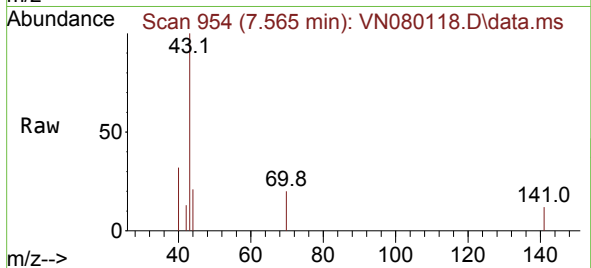
Lab File: VN080118.D

Acq: 15 Nov 2023 18:16

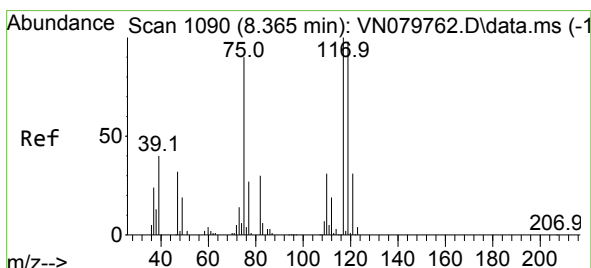
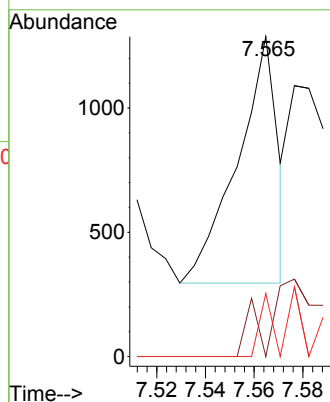
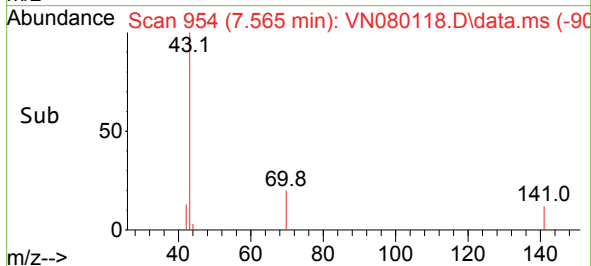
Instrument :

MSVOA_N

ClientSampleId :



Tgt Ion:	43	Resp:	1140
Ion	Ratio	Lower	Upper
43	100		
61	0.0	13.2	19.8#
70	7.8	11.3	16.9#



#38

Carbon Tetrachloride

Concen: 5.572 ug/l

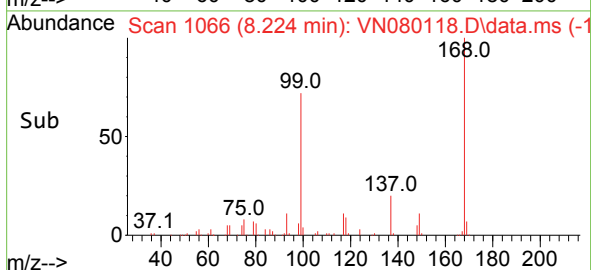
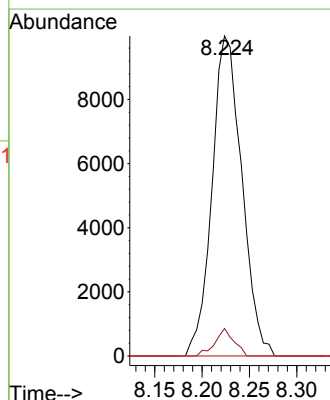
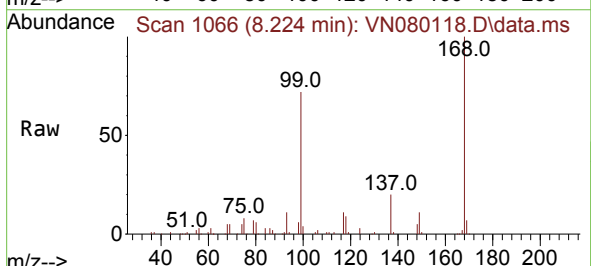
RT: 8.224 min Scan# 1066

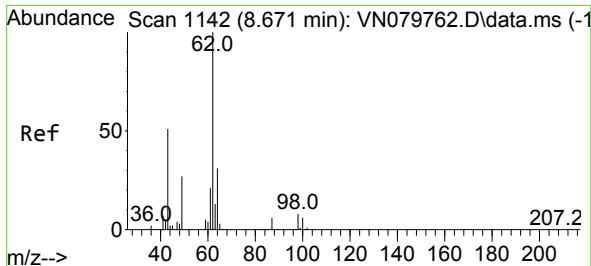
Delta R.T. -0.135 min

Lab File: VN080118.D

Acq: 15 Nov 2023 18:16

Tgt Ion:	117	Resp:	21812
Ion	Ratio	Lower	Upper
117	100		
119	8.6	77.3	115.9#
121	0.0	23.3	34.9#





#42

1,2-Dichloroethane

Concen: 0.345 ug/l

RT: 8.688 min Scan# 1145

Delta R.T. 0.018 min

Lab File: VN080118.D

Acq: 15 Nov 2023 18:16

Instrument :

MSVOA_N

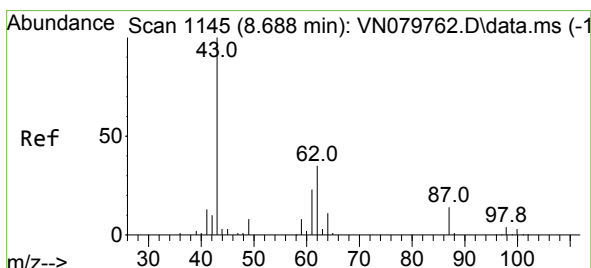
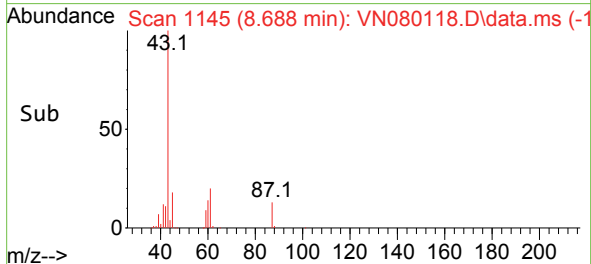
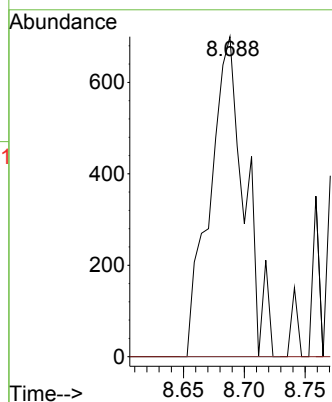
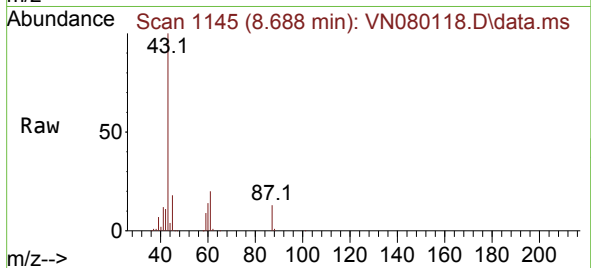
ClientSampleId :

Tgt Ion: 62 Resp: 1403

Ion Ratio Lower Upper

62 100

98 0.0 0.0 19.8



#43

Isopropyl Acetate

Concen: 38.345 ug/l

RT: 8.688 min Scan# 1145

Delta R.T. -0.000 min

Lab File: VN080118.D

Acq: 15 Nov 2023 18:16

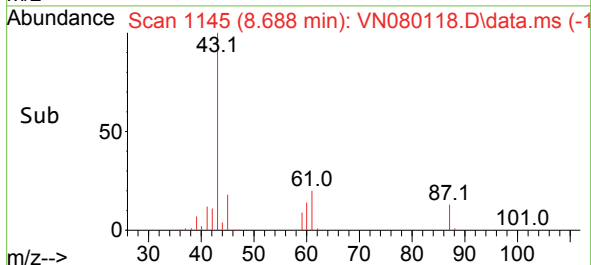
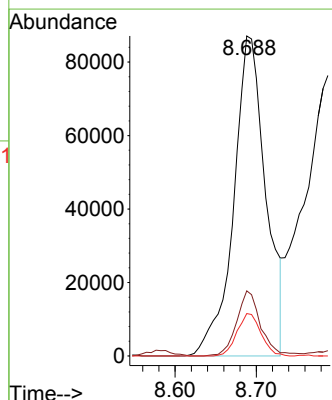
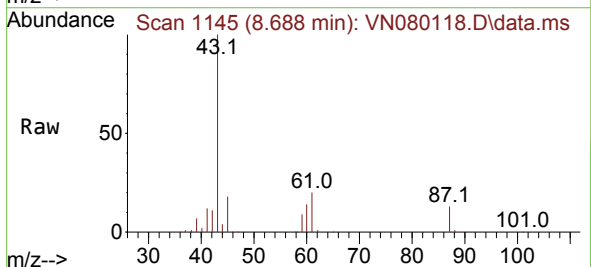
Tgt Ion: 43 Resp: 239542

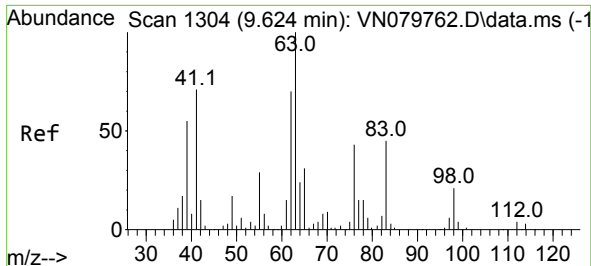
Ion Ratio Lower Upper

43 100

61 15.4 24.7 37.1#

87 9.9 14.6 21.8#





#45

1,2-Dichloropropane

Concen: 0.723 ug/l

RT: 9.741 min Scan# 11

Delta R.T. 0.118 min

Lab File: VN080118.D

Acq: 15 Nov 2023 18:16

Instrument :

MSVOA_N

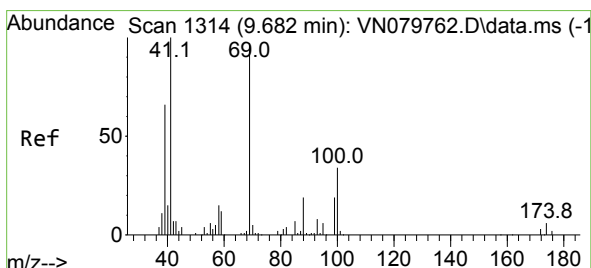
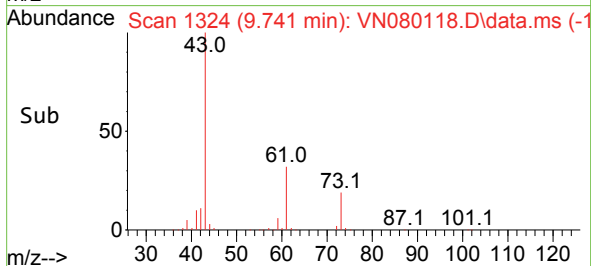
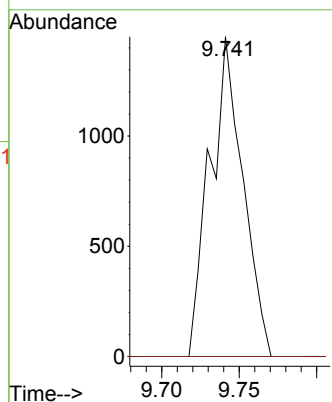
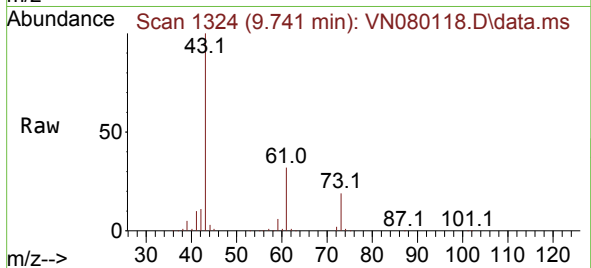
ClientSampleId :

Tgt Ion: 63 Resp: 2150

Ion Ratio Lower Upper

63 100

65 0.0 23.9 35.9#



#48

Methyl methacrylate

Concen: 48.908 ug/l

RT: 9.747 min Scan# 1325

Delta R.T. 0.065 min

Lab File: VN080118.D

Acq: 15 Nov 2023 18:16

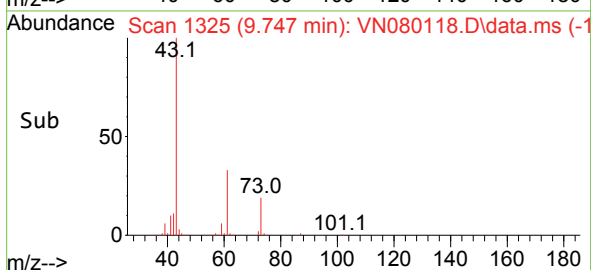
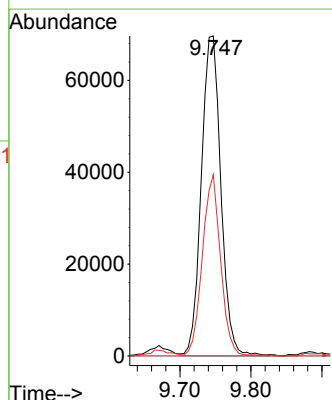
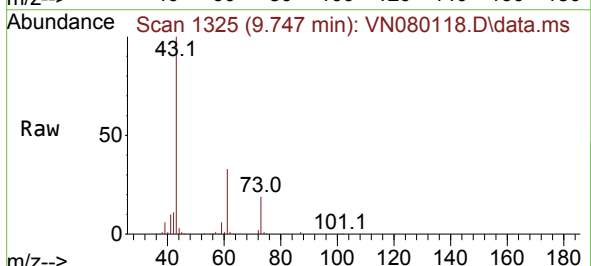
Tgt Ion: 41 Resp: 133825

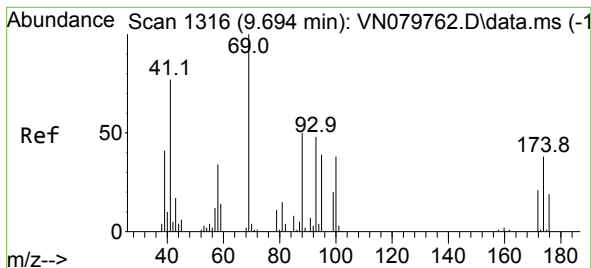
Ion Ratio Lower Upper

41 100

69 0.0 90.4 135.6#

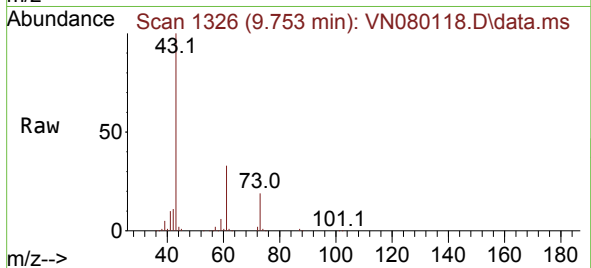
39 52.8 54.6 81.8#



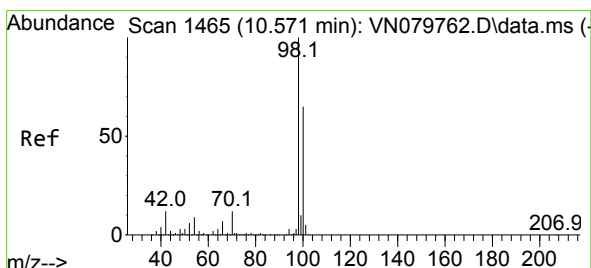
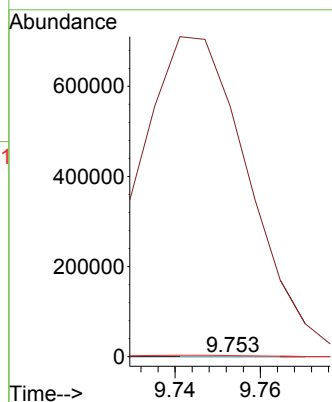
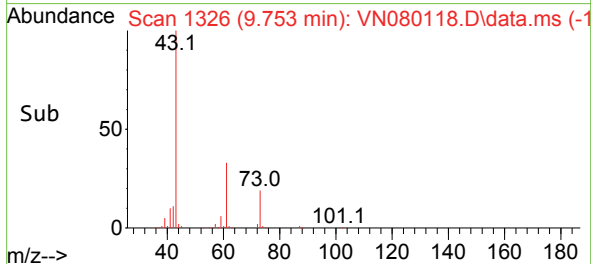


#49
1,4-Dioxane
Concen: 1.200 ug/l
RT: 9.753 min Scan# 11
Delta R.T. 0.059 min
Lab File: VN080118.D
Acq: 15 Nov 2023 18:16

Instrument :
MSVOA_N
ClientSampleId :

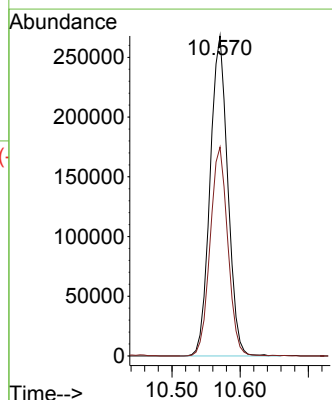
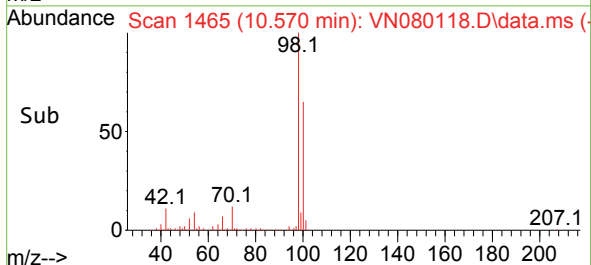
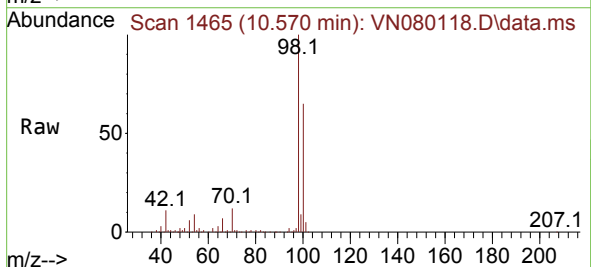


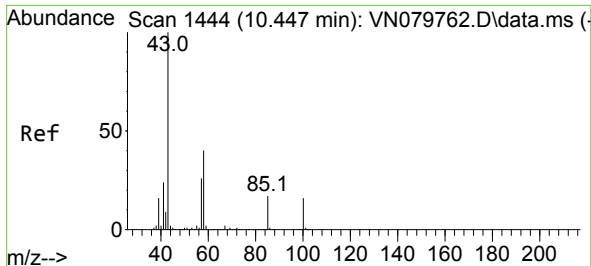
Tgt Ion: 88 Resp: 58
Ion Ratio Lower Upper
88 100
43 2282872.4 17.0 25.6#
58 11527.6 47.0 70.4#



#50
Toluene-d8
Concen: 48.304 ug/l
RT: 10.570 min Scan# 1465
Delta R.T. -0.000 min
Lab File: VN080118.D
Acq: 15 Nov 2023 18:16

Tgt Ion: 98 Resp: 483731
Ion Ratio Lower Upper
98 100
100 65.1 52.0 78.0

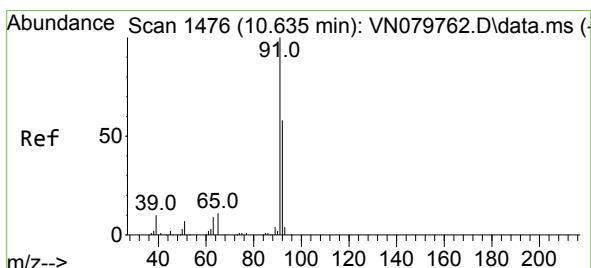
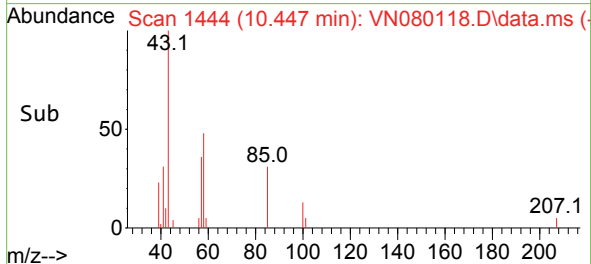
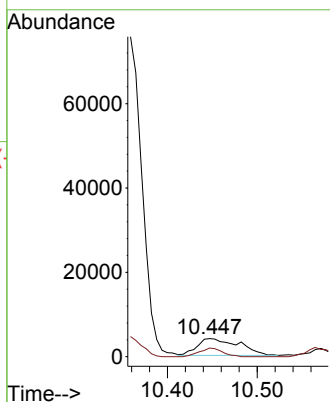
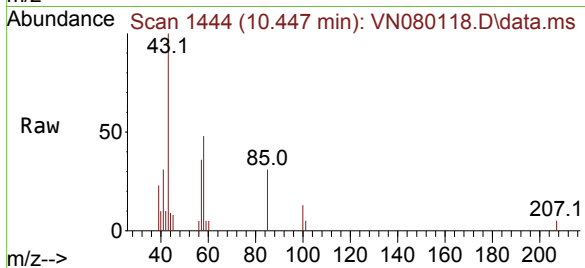




#51
4-Methyl-2-Pentanone
Concen: 3.683 ug/l
RT: 10.447 min Scan# 1444
Delta R.T. -0.000 min
Lab File: VN080118.D
Acq: 15 Nov 2023 18:16

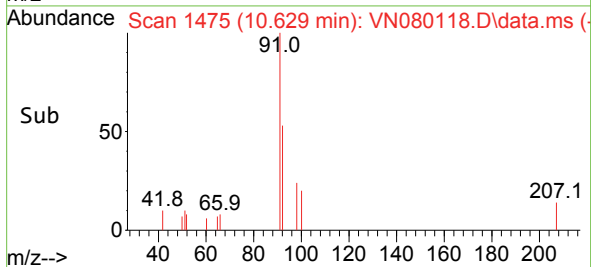
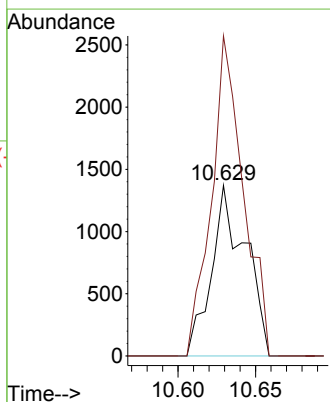
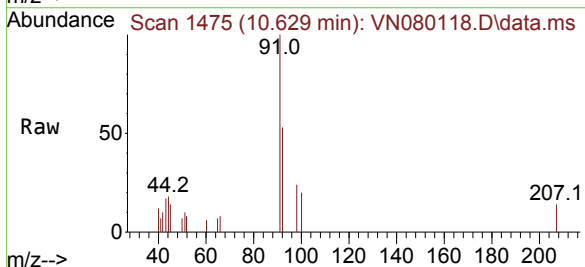
Instrument :
MSVOA_N
ClientSampleId :

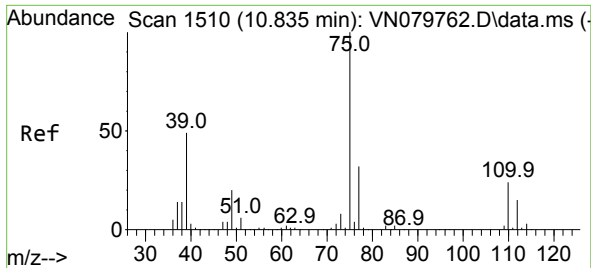
Tgt Ion: 43 Resp: 12954
Ion Ratio Lower Upper
43 100
58 28.1 36.6 54.8#



#52
Toluene
Concen: 0.303 ug/l
RT: 10.629 min Scan# 1475
Delta R.T. -0.006 min
Lab File: VN080118.D
Acq: 15 Nov 2023 18:16

Tgt Ion: 92 Resp: 2092
Ion Ratio Lower Upper
92 100
91 175.8 137.4 206.0

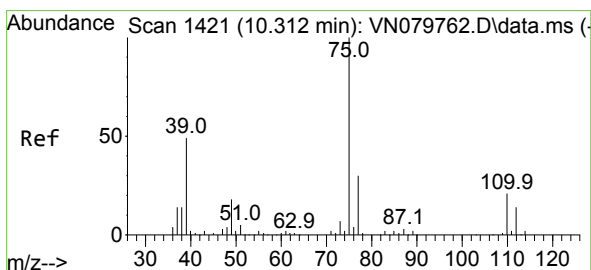
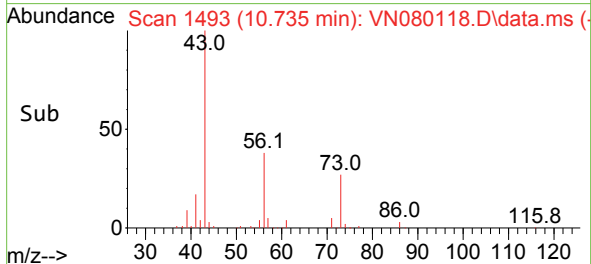
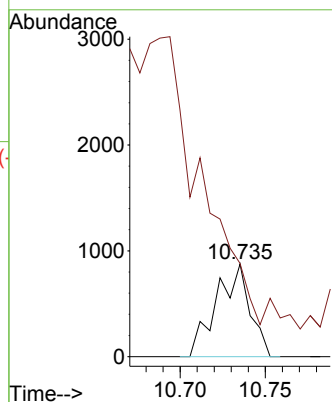
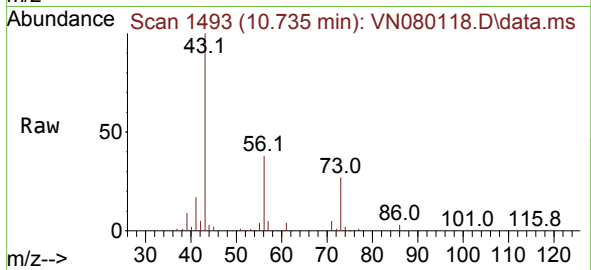




#53
 t-1,3-Dichloropropene
 Concen: 0.283 ug/l
 RT: 10.735 min Scan# 1493
 Delta R.T. -0.106 min
 Lab File: VN080118.D
 Acq: 15 Nov 2023 18:16

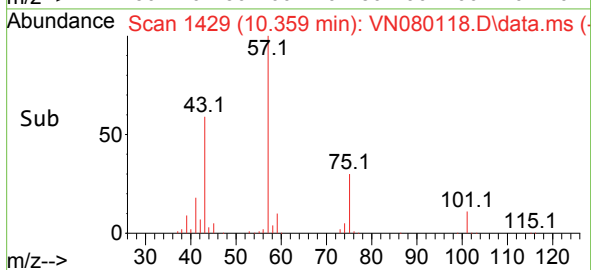
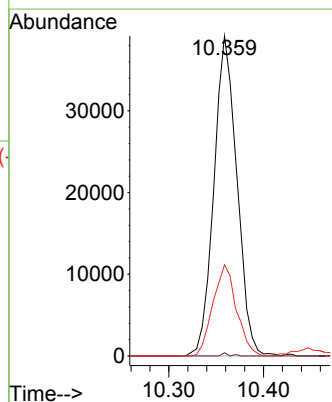
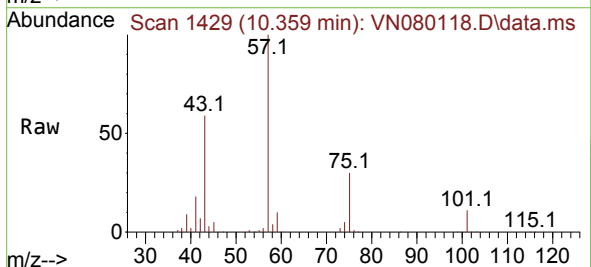
Instrument :
 MSVOA_N
 ClientSampleId :

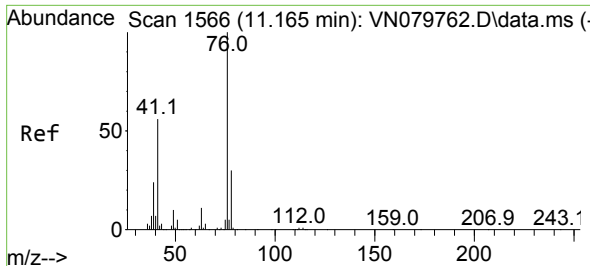
Tgt Ion: 75 Resp: 1203
 Ion Ratio Lower Upper
 75 100
 77 58.9 25.4 38.0#



#54
 cis-1,3-Dichloropropene
 Concen: 14.285 ug/l
 RT: 10.359 min Scan# 1429
 Delta R.T. 0.041 min
 Lab File: VN080118.D
 Acq: 15 Nov 2023 18:16

Tgt Ion: 75 Resp: 66082
 Ion Ratio Lower Upper
 75 100
 77 1.0 26.1 39.1#
 39 28.5 31.6 47.4#





#57

1,3-Dichloropropane

Concen: 1.635 ug/l

RT: 11.206 min Scan# 1567

Delta R.T. 0.041 min

Lab File: VN080118.D

Acq: 15 Nov 2023 18:16

Instrument :

MSVOA_N

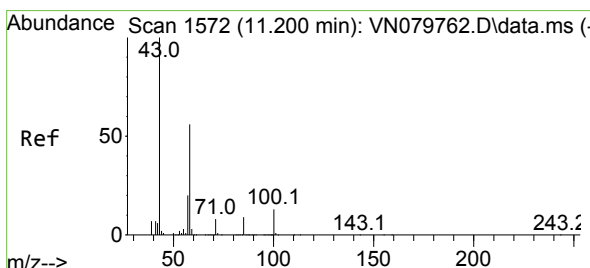
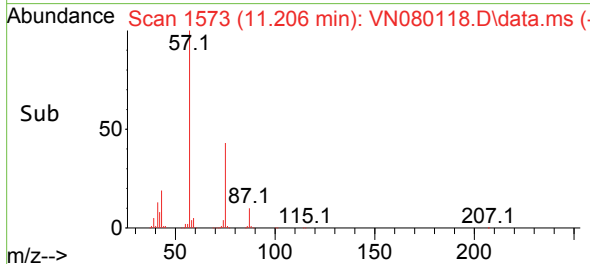
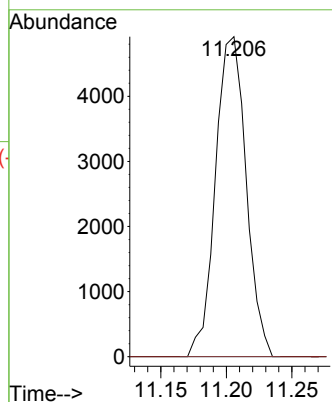
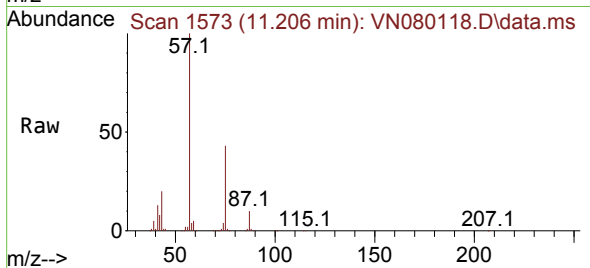
ClientSampleId :

Tgt Ion: 76 Resp: 7996

Ion Ratio Lower Upper

76 100

78 0.0 26.1 39.1#



#59

2-Hexanone

Concen: 49.397 ug/l

RT: 11.170 min Scan# 1567

Delta R.T. -0.029 min

Lab File: VN080118.D

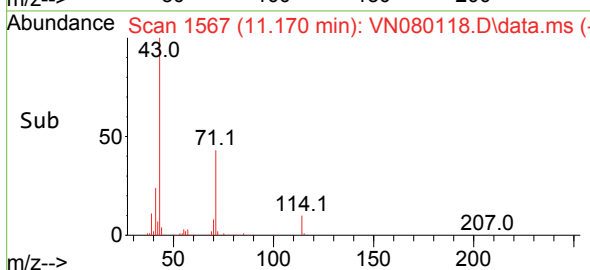
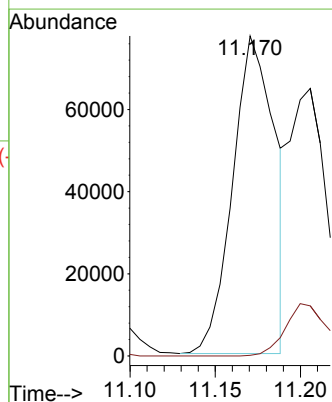
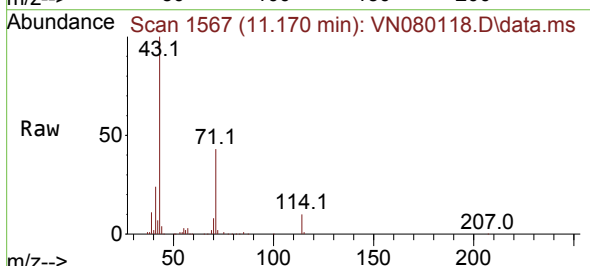
Acq: 15 Nov 2023 18:16

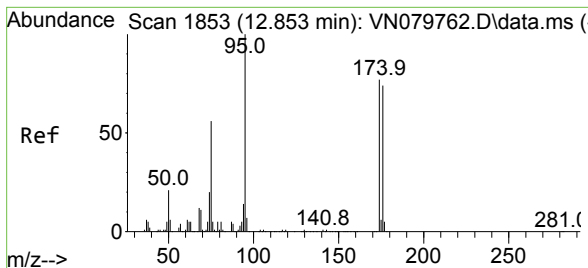
Tgt Ion: 43 Resp: 132903

Ion Ratio Lower Upper

43 100

58 0.0 31.7 95.1#

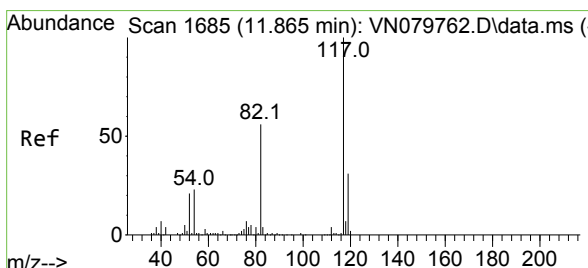
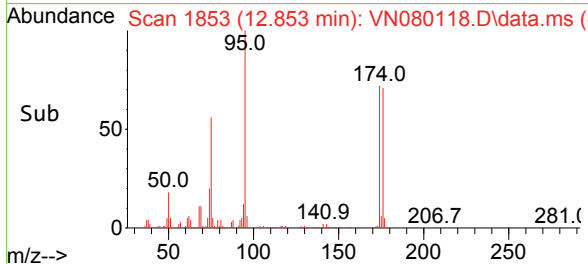
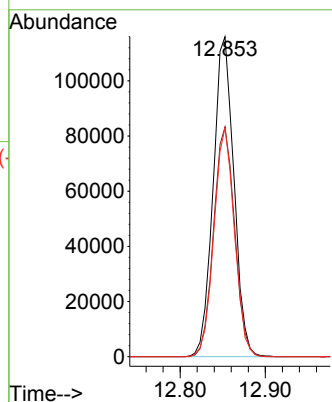
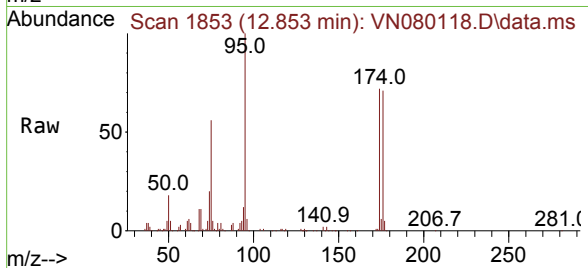




#62
4-Bromofluorobenzene
Concen: 58.987 ug/l
RT: 12.853 min Scan# 1853
Delta R.T. -0.000 min
Lab File: VN080118.D
Acq: 15 Nov 2023 18:16

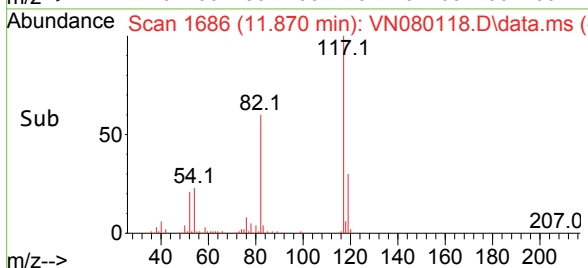
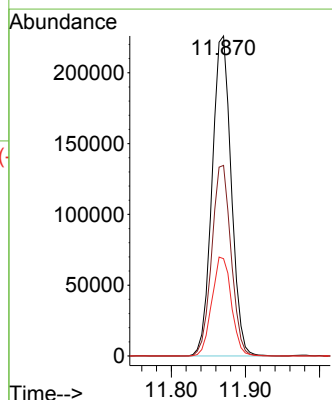
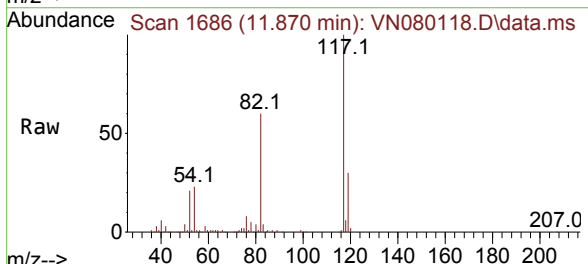
Instrument :
MSVOA_N
ClientSampleId :

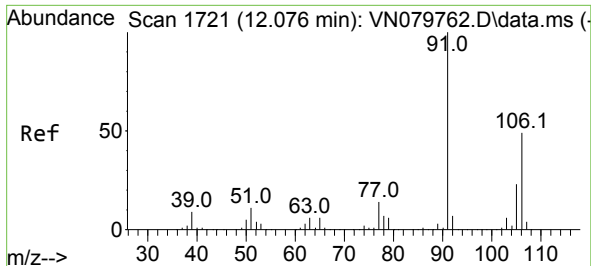
Tgt Ion: 95 Resp: 195912
Ion Ratio Lower Upper
95 100
174 73.2 0.0 143.8
176 70.7 0.0 135.8



#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.870 min Scan# 1686
Delta R.T. -0.000 min
Lab File: VN080118.D
Acq: 15 Nov 2023 18:16

Tgt Ion: 117 Resp: 405668
Ion Ratio Lower Upper
117 100
82 59.5 44.0 66.0
119 30.4 25.6 38.4

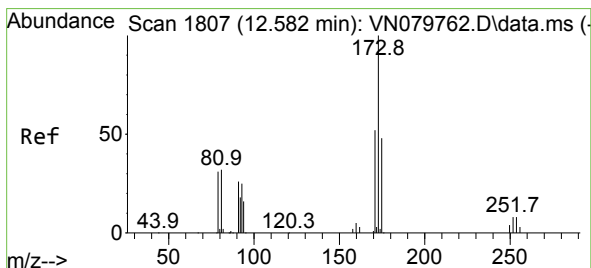
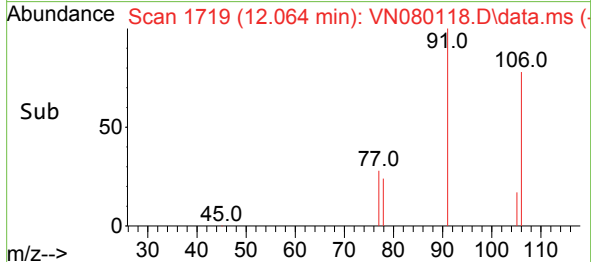
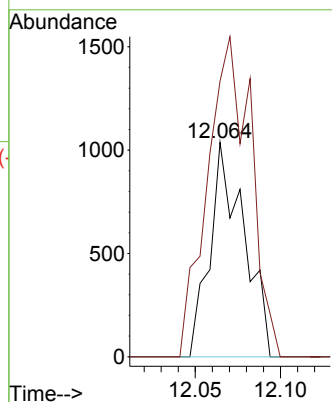
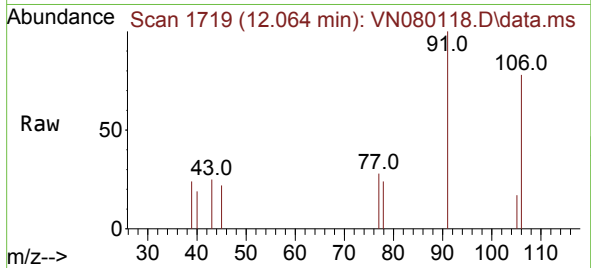




#68
m/p-Xylenes
Concen: 0.252 ug/l
RT: 12.064 min Scan# 11
Delta R.T. -0.006 min
Lab File: VN080118.D
Acq: 15 Nov 2023 18:16

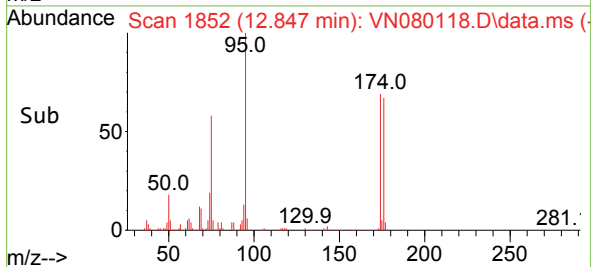
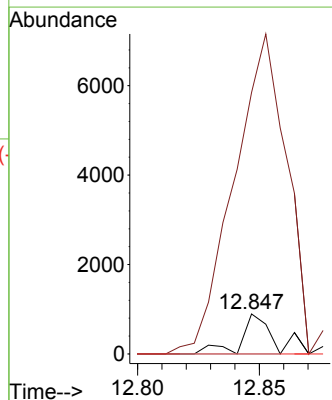
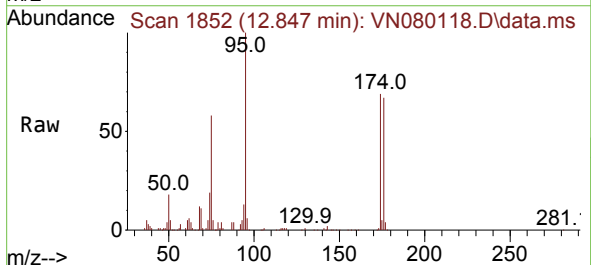
Instrument :
MSVOA_N
ClientSampleId :

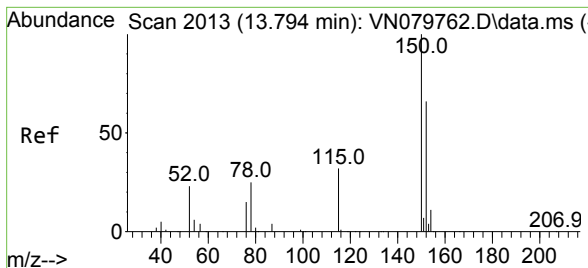
Tgt Ion:106 Resp: 1439
Ion Ratio Lower Upper
106 100
91 190.8 159.6 239.4



#71
Bromoform
Concen: 0.301 ug/l
RT: 12.847 min Scan# 1852
Delta R.T. 0.265 min
Lab File: VN080118.D
Acq: 15 Nov 2023 18:16

Tgt Ion:173 Resp: 677
Ion Ratio Lower Upper
173 100
175 1391.3 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# 20

Delta R.T. -0.000 min

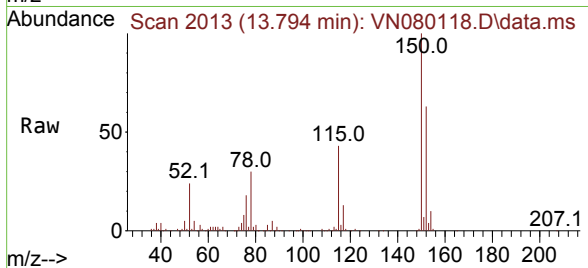
Lab File: VN080118.D

Acq: 15 Nov 2023 18:16

Instrument :

MSVOA_N

ClientSampleId :



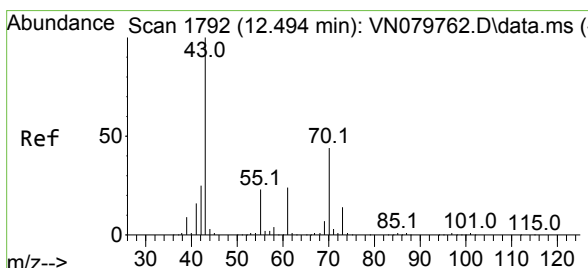
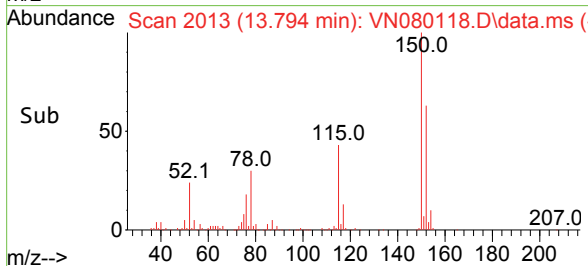
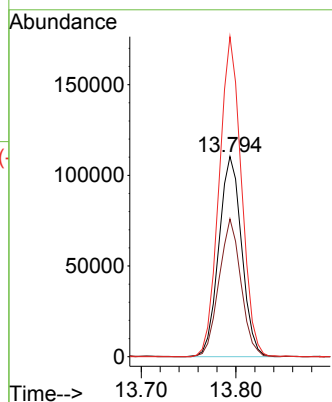
Tgt Ion:152 Resp: 184710

Ion Ratio Lower Upper

152 100

115 66.1 32.3 96.8

150 156.3 0.0 355.8



#74

N-ethyl acetate

Concen: 0.208 ug/l

RT: 12.482 min Scan# 1790

Delta R.T. -0.012 min

Lab File: VN080118.D

Acq: 15 Nov 2023 18:16

Tgt Ion: 43 Resp: 1271

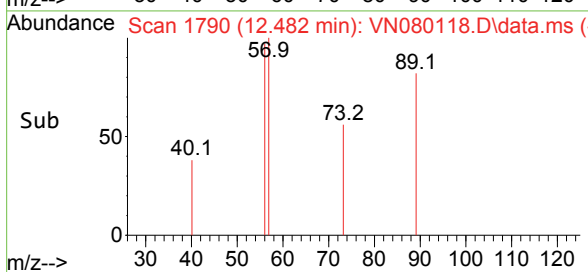
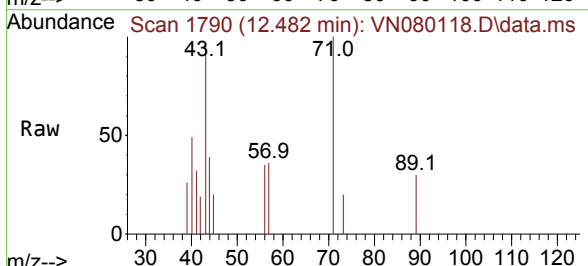
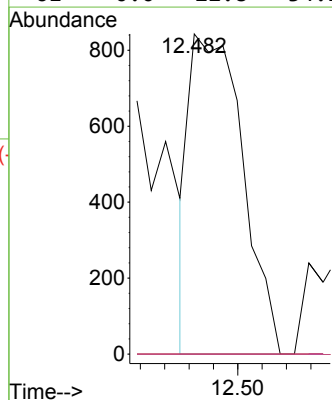
Ion Ratio Lower Upper

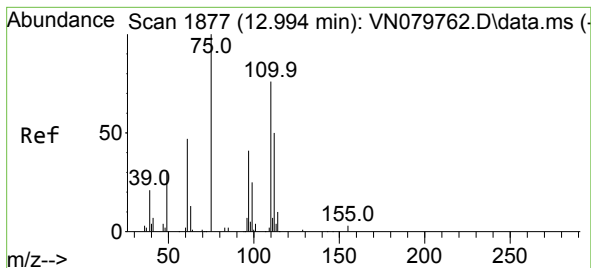
43 100

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: 25.903 ug/l

RT: 12.853 min Scan# 1853

Delta R.T. -0.141 min

Lab File: VN080118.D

Acq: 15 Nov 2023 18:16

Instrument :

MSVOA_N

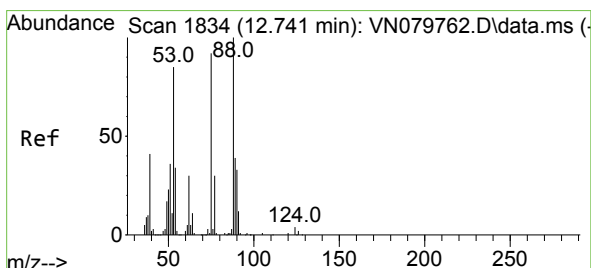
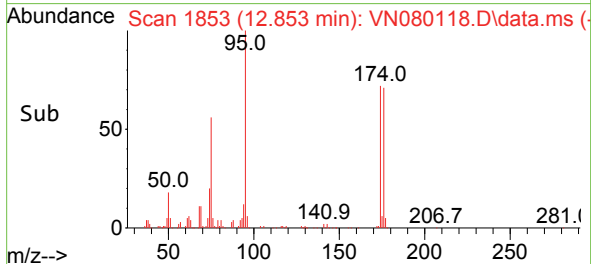
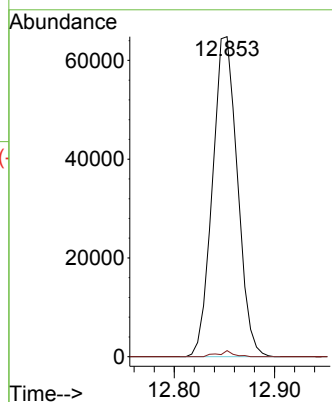
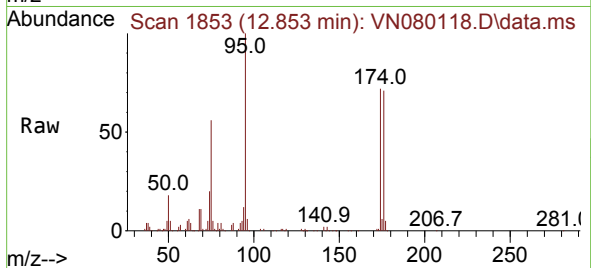
ClientSampleId :

Tgt Ion: 75 Resp: 112325

Ion Ratio Lower Upper

75 100

77 1.1 84.5 253.5#



#81

trans-1,4-Dichloro-2-butene

Concen: 70.475 ug/l

RT: 12.853 min Scan# 1853

Delta R.T. 0.118 min

Lab File: VN080118.D

Acq: 15 Nov 2023 18:16

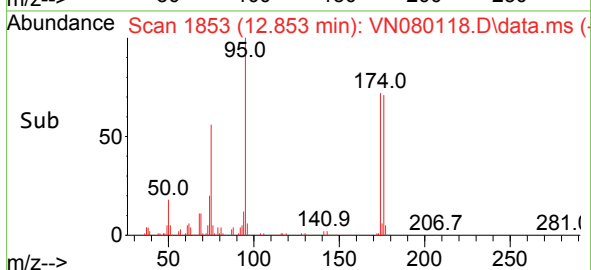
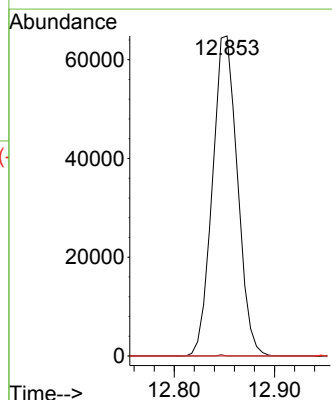
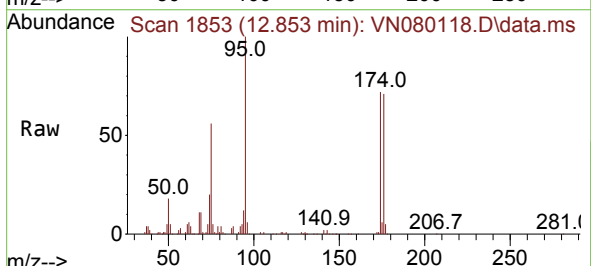
Tgt Ion: 75 Resp: 112325

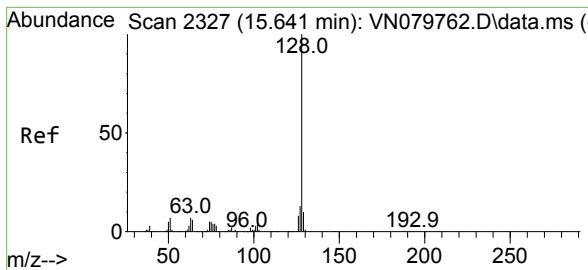
Ion Ratio Lower Upper

75 100

53 0.1 67.4 101.2#

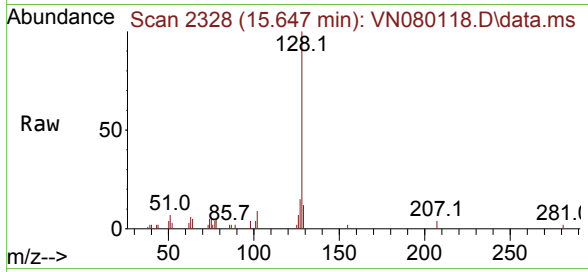
89 0.0 38.8 58.2#





#95
Naphthalene
Concen: 2.863 ug/l
RT: 15.647 min Scan# 21
Delta R.T. 0.006 min
Lab File: VN080118.D
Acq: 15 Nov 2023 18:16

Instrument :
MSVOA_N
ClientSampleId :



Tgt Ion:	128	Resp:	27824
Ion	Ratio	Lower	Upper
128	100		
127	13.3	10.0	15.0
129	10.7	8.7	13.1

