

Data Path : Z:\voasrv\HPCHEM1\MSVOA_N\Data\VN111523\
 Data File : VN080110.D
 Acq On : 15 Nov 2023 15:06
 Operator : JC\MD
 Sample : 05402-02
 Misc : 5.0mL/MSVOA_N/WATER
 ALS Vial : 10 Sample Multiplier: 1

Instrument :
 MSVOA_N
 ClientSampleId :

Quant Time: Nov 15 21:53:11 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

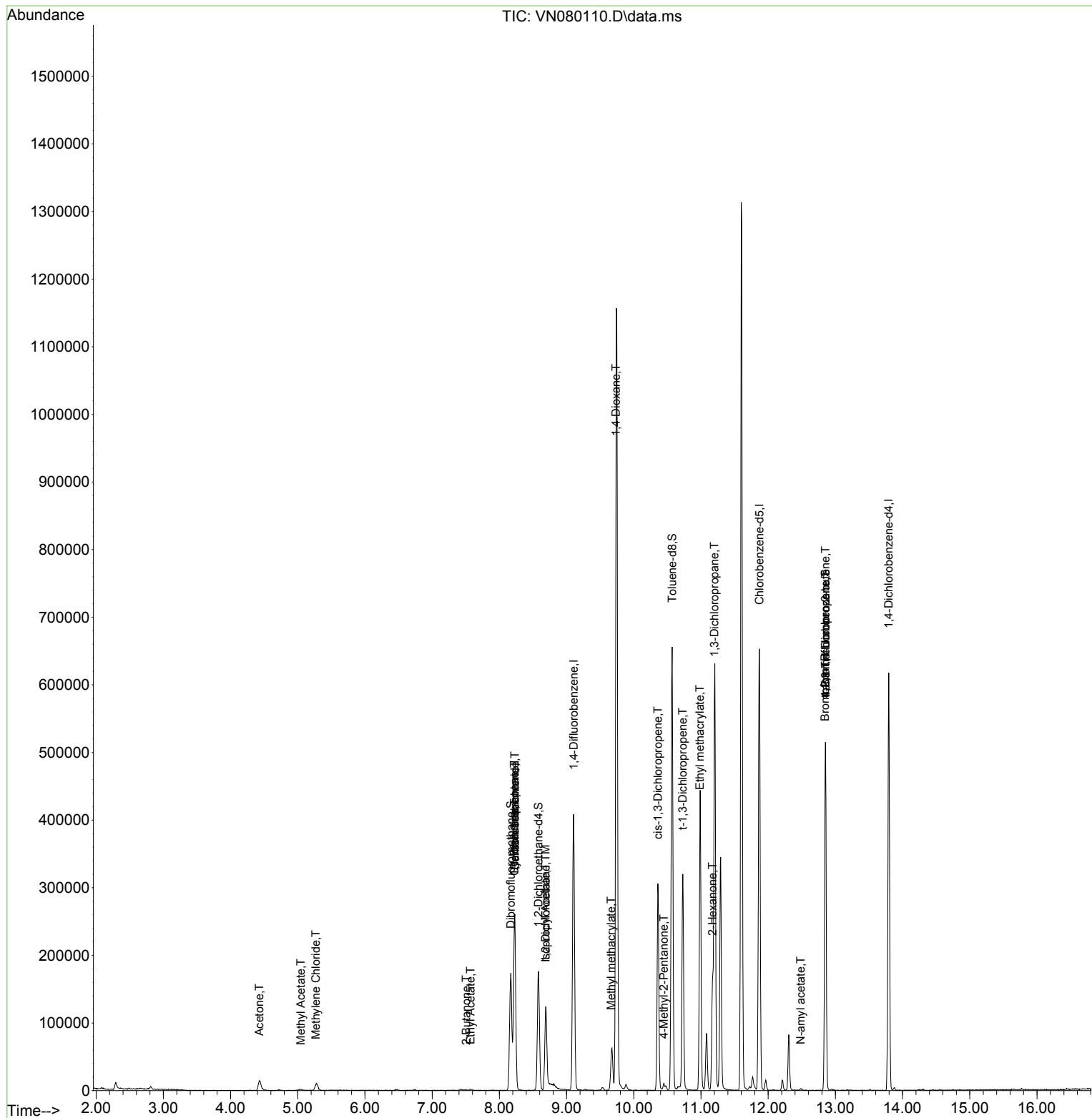
Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
Internal Standards						
1) Pentafluorobenzene	8.229	168	180265	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	9.106	114	343117	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.870	117	375705	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.794	152	159305	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.582	65	156128	56.848	ug/l	0.00
Spiked Amount	50.000	Range	74 - 125	Recovery	=	113.700%
35) Dibromofluoromethane	8.171	113	121127	49.878	ug/l	0.00
Spiked Amount	50.000	Range	75 - 124	Recovery	=	99.760%
50) Toluene-d8	10.570	98	449738	50.306	ug/l	0.00
Spiked Amount	50.000	Range	86 - 113	Recovery	=	100.620%
62) 4-Bromofluorobenzene	12.853	95	174593	58.886	ug/l	0.00
Spiked Amount	50.000	Range	83 - 123	Recovery	=	117.780%
Target Compounds						
					Qvalue	
3) Chloromethane	2.365	50	390	Below Cal	#	82
16) Acetone	4.430	43	28532	29.576	ug/l	98
18) Methyl Acetate	5.047	43	3434	0.744	ug/l #	75
20) Methylene Chloride	5.271	84	9061	3.722	ug/l #	80
25) 2-Butanone	7.506	43	1849	1.309	ug/l	91
31) Cyclohexane	8.224	56	4125	1.137	ug/l #	34
36) 1,1-Dichloropropene	8.224	75	15706	4.530	ug/l #	48
37) Ethyl Acetate	7.571	43	3302	1.038	ug/l #	76
38) Carbon Tetrachloride	8.229	117	21560	6.170	ug/l #	16
42) 1,2-Dichloroethane	8.688	62	1076	0.297	ug/l #	73
43) Isopropyl Acetate	8.688	43	138222	24.785	ug/l #	85
48) Methyl methacrylate	9.665	41	3602	1.475	ug/l #	33
49) 1,4-Dioxane	9.735	88	154	3.568	ug/l #	1
51) 4-Methyl-2-Pentanone	10.447	43	9287	2.958	ug/l #	75
53) t-1,3-Dichloropropene	10.729	75	806	0.213	ug/l #	25
54) cis-1,3-Dichloropropene	10.359	75	57320	13.880	ug/l #	66
56) Ethyl methacrylate	10.982	69	1806	0.511	ug/l #	1
57) 1,3-Dichloropropane	11.200	76	6701	1.535	ug/l #	42
59) 2-Hexanone	11.170	43	115140	47.938	ug/l #	19
71) Bromoform	12.847	173	578	0.277	ug/l #	1
74) N-amyl acetate	12.482	43	1499	0.284	ug/l #	38
76) 1,2,3-Trichloropropane	12.853	75	100340	26.829	ug/l #	1
81) trans-1,4-Dichloro-2-b...	12.853	75	100340	72.995	ug/l #	15

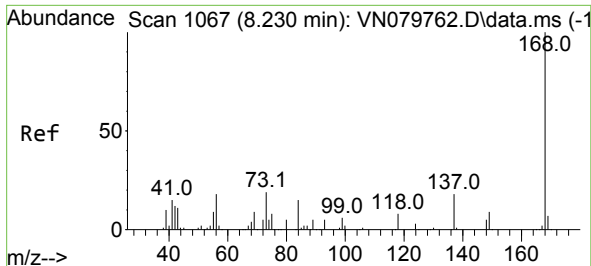
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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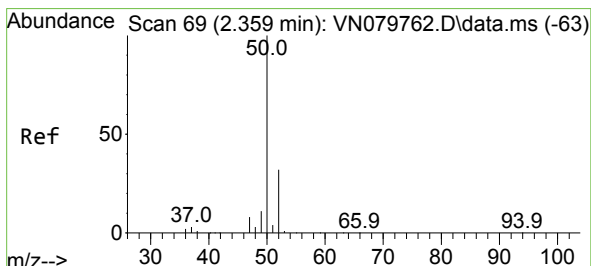
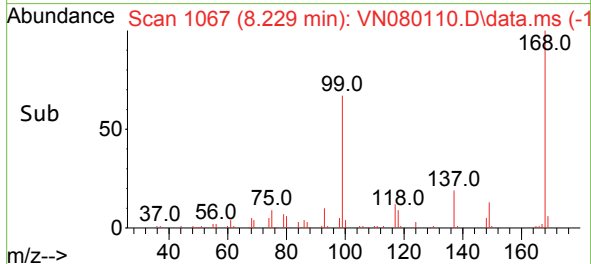
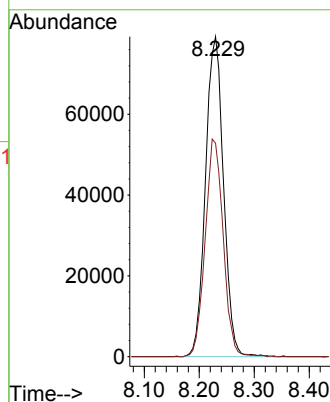
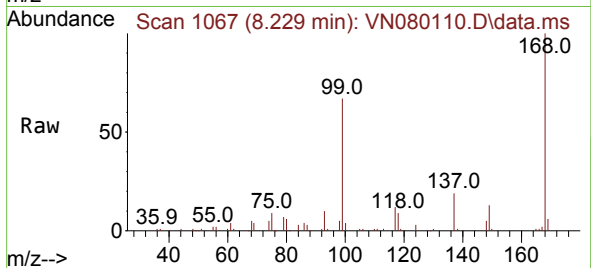




#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 8.229 min Scan# 10
Delta R.T. 0.000 min
Lab File: VN080110.D
Acq: 15 Nov 2023 15:06

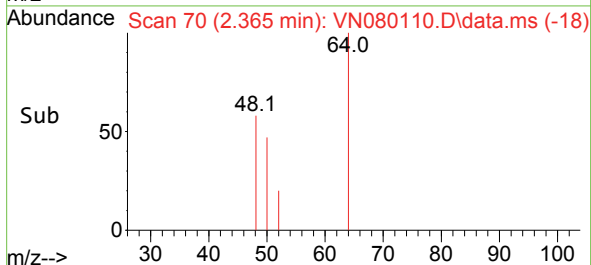
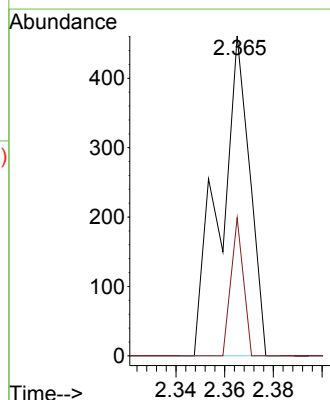
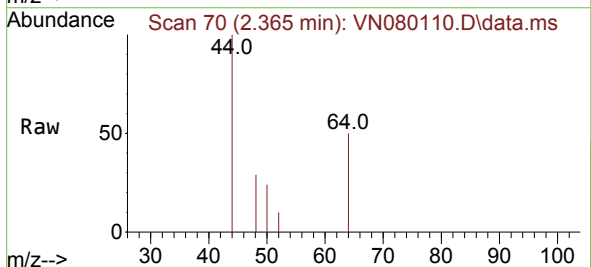
Instrument :
MSVOA_N
ClientSampleId :

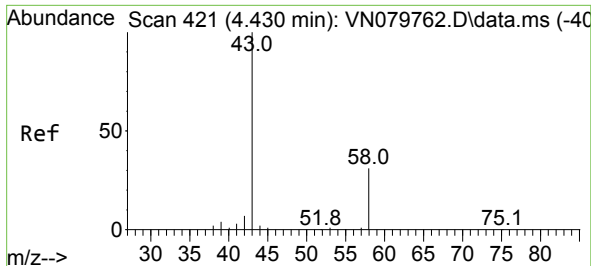
Tgt Ion:168 Resp: 180265
Ion Ratio Lower Upper
168 100
99 66.7 53.0 79.6



#3
Chloromethane
Concen: Below Cal
RT: 2.365 min Scan# 70
Delta R.T. 0.006 min
Lab File: VN080110.D
Acq: 15 Nov 2023 15:06

Tgt Ion: 50 Resp: 390
Ion Ratio Lower Upper
50 100
52 43.2 26.5 39.7#

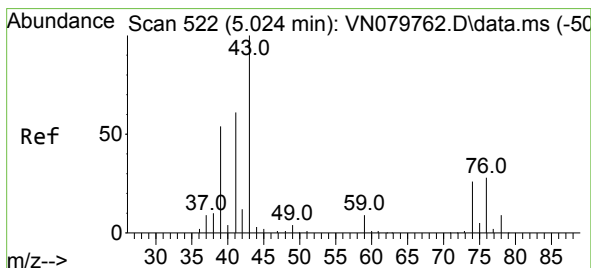
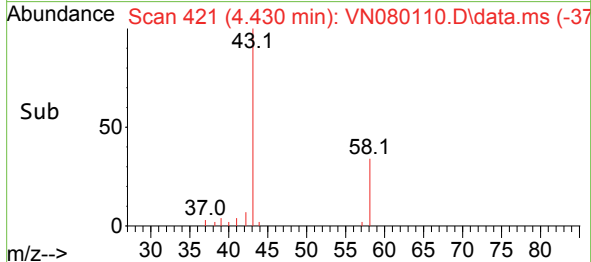
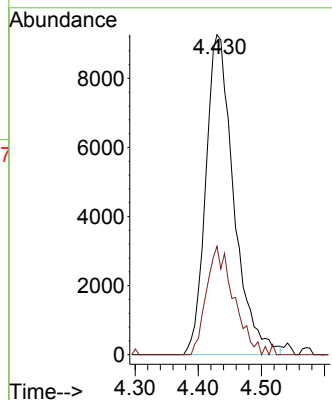
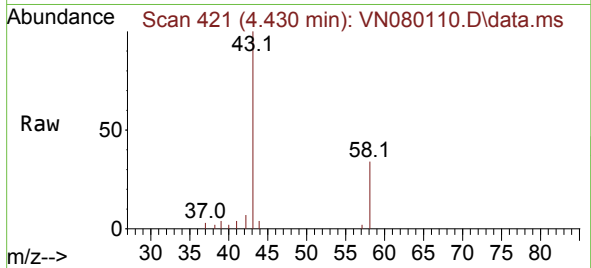




#16
Acetone
Concen: 29.576 ug/l
RT: 4.430 min Scan# 41
Delta R.T. -0.000 min
Lab File: VN080110.D
Acq: 15 Nov 2023 15:06

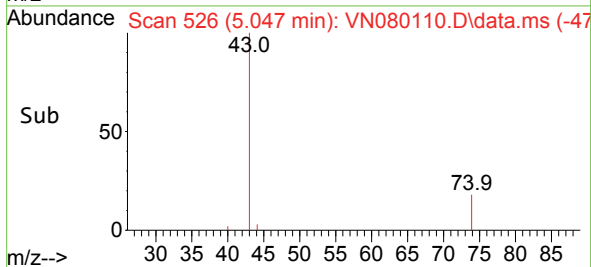
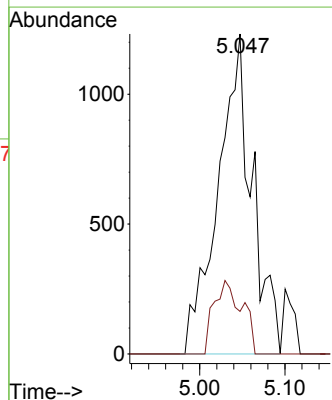
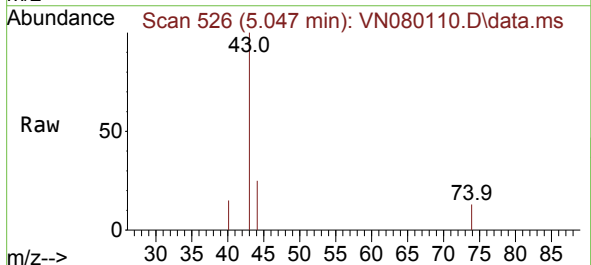
Instrument :
MSVOA_N
ClientSampleId :

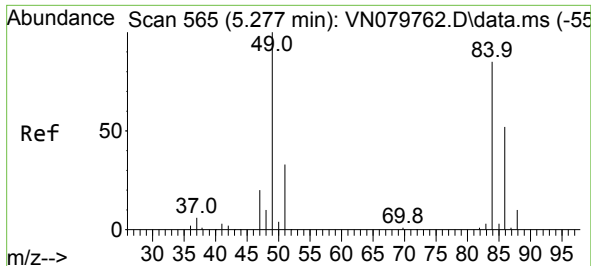
Tgt Ion: 43 Resp: 28532
Ion Ratio Lower Upper
43 100
58 33.8 28.0 42.0



#18
Methyl Acetate
Concen: 0.744 ug/l
RT: 5.047 min Scan# 526
Delta R.T. 0.024 min
Lab File: VN080110.D
Acq: 15 Nov 2023 15:06

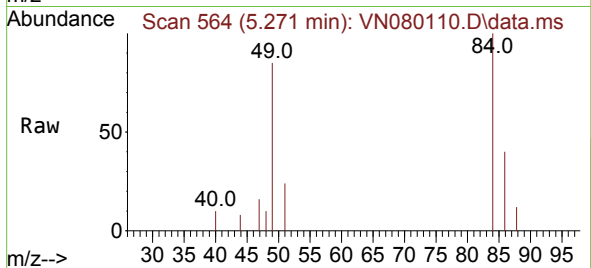
Tgt Ion: 43 Resp: 3434
Ion Ratio Lower Upper
43 100
74 18.8 26.2 39.4#



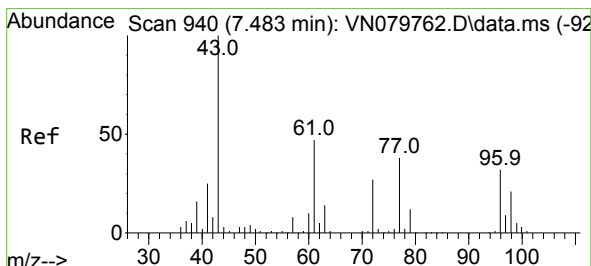
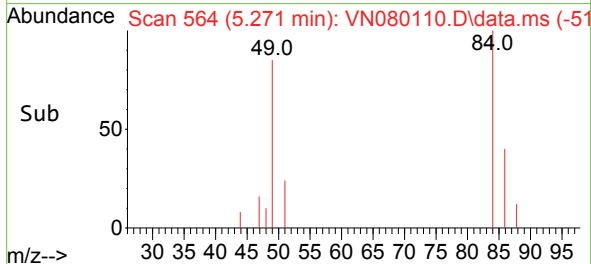
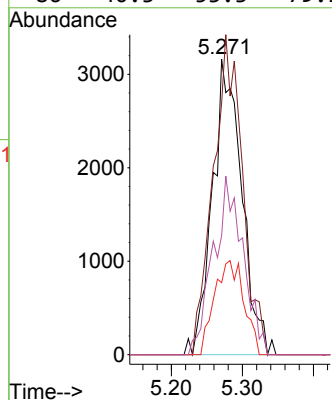


#20
Methylene Chloride
Concen: 3.722 ug/l
RT: 5.271 min Scan# 501
Delta R.T. -0.000 min
Lab File: VN080110.D
Acq: 15 Nov 2023 15:06

Instrument :
MSVOA_N
ClientSampleId :

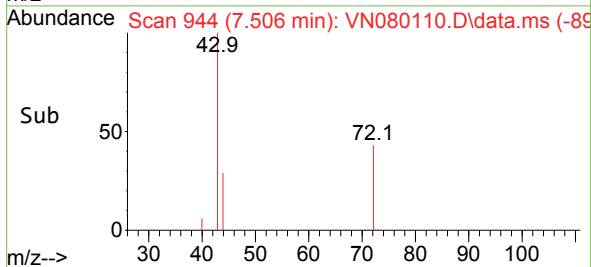
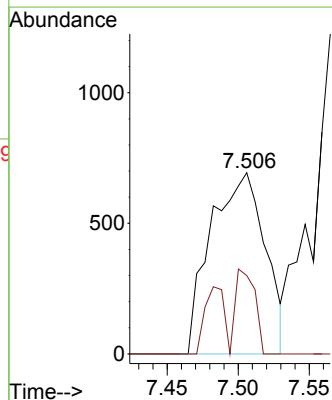
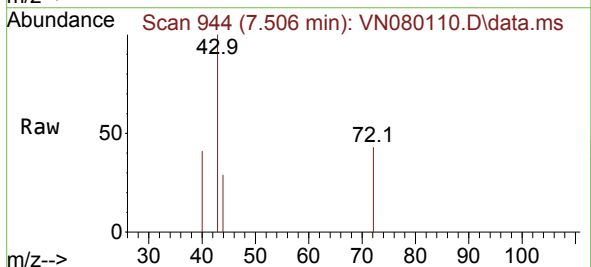


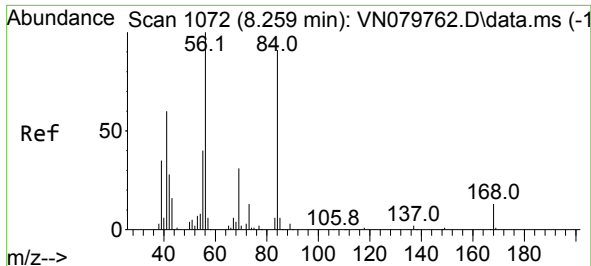
Tgt Ion:	84	Resp:	9061
Ion	Ratio	Lower	Upper
84	100		
49	85.2	79.7	119.5
51	24.4	25.2	37.8#
86	40.3	53.3	79.9#



#25
2-Butanone
Concen: 1.309 ug/l
RT: 7.506 min Scan# 944
Delta R.T. 0.018 min
Lab File: VN080110.D
Acq: 15 Nov 2023 15:06

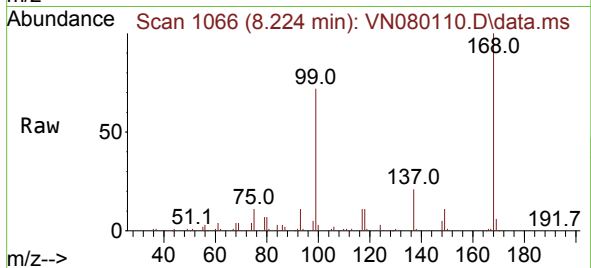
Tgt Ion:	43	Resp:	1849
Ion	Ratio	Lower	Upper
43	100		
72	43.2	30.2	45.2



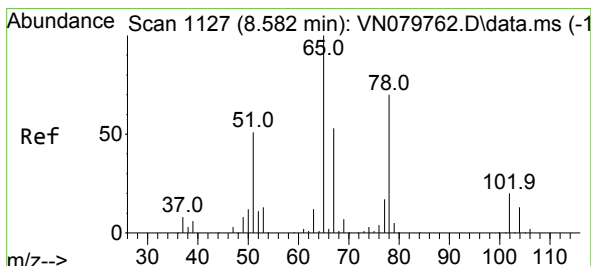
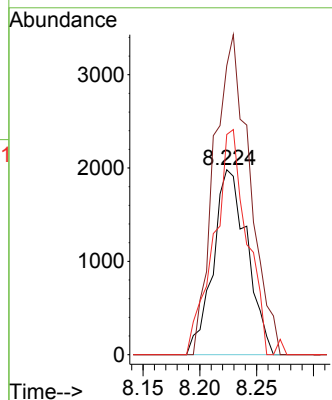
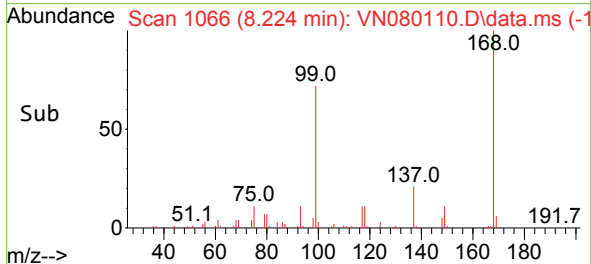


#31
Cyclohexane
Concen: 1.137 ug/l
RT: 8.224 min Scan# 1066
Delta R.T. -0.035 min
Lab File: VN080110.D
Acq: 15 Nov 2023 15:06

Instrument :
MSVOA_N
ClientSampleId :

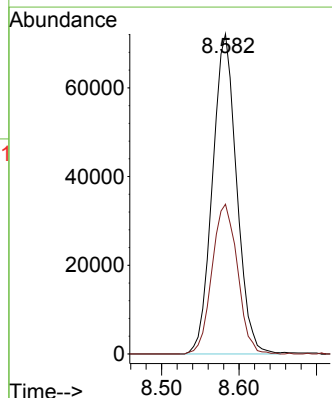
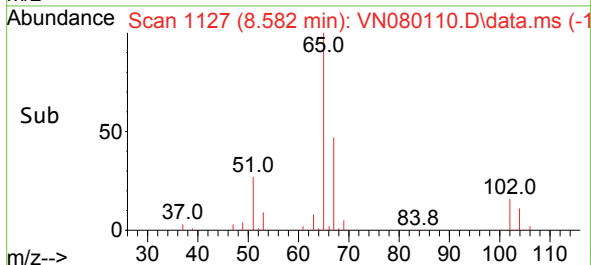
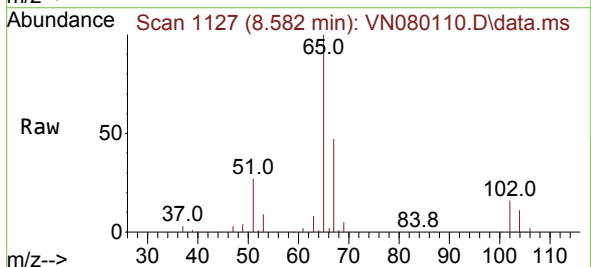


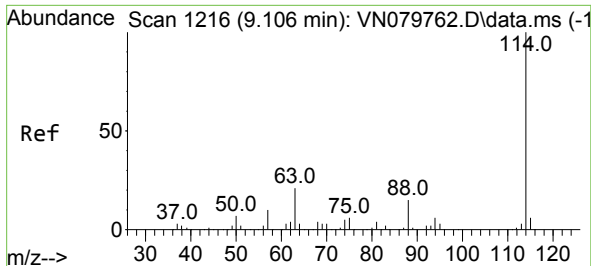
Tgt Ion: 56 Resp: 4125
Ion Ratio Lower Upper
56 100
69 156.3 26.8 40.2#
84 119.0 81.8 122.6



#33
1,2-Dichloroethane-d4
Concen: 56.848 ug/l
RT: 8.582 min Scan# 1127
Delta R.T. -0.000 min
Lab File: VN080110.D
Acq: 15 Nov 2023 15:06

Tgt Ion: 65 Resp: 156128
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# 11

Delta R.T. -0.000 min

Lab File: VN080110.D

Acq: 15 Nov 2023 15:06

Instrument :

MSVOA_N

ClientSampleId :

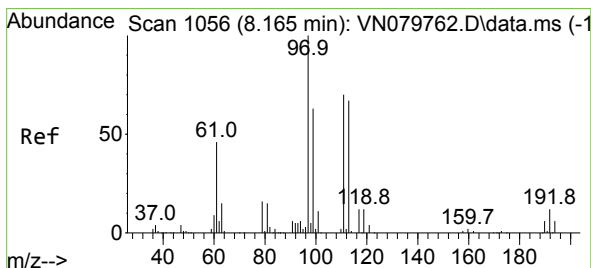
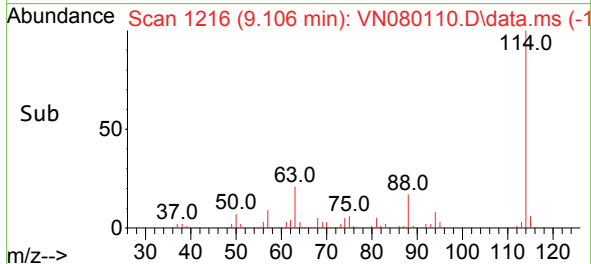
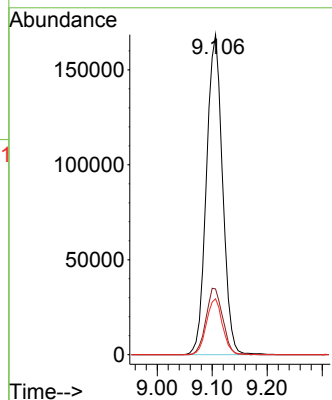
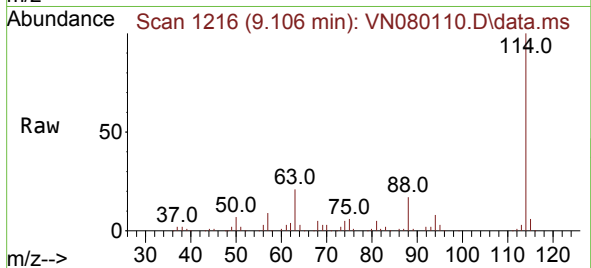
Tgt Ion:114 Resp: 343117

Ion Ratio Lower Upper

114 100

63 20.5 0.0 36.4

88 17.5 0.0 30.6



#35

Dibromofluoromethane

Concen: 49.878 ug/l

RT: 8.171 min Scan# 1057

Delta R.T. -0.000 min

Lab File: VN080110.D

Acq: 15 Nov 2023 15:06

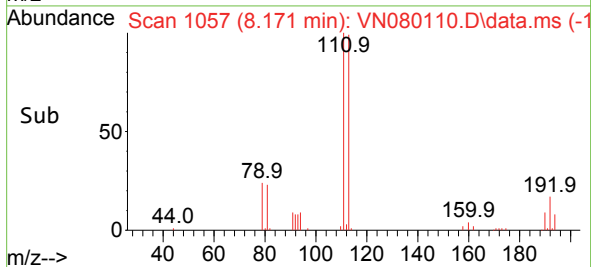
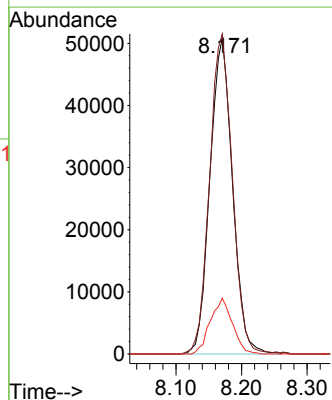
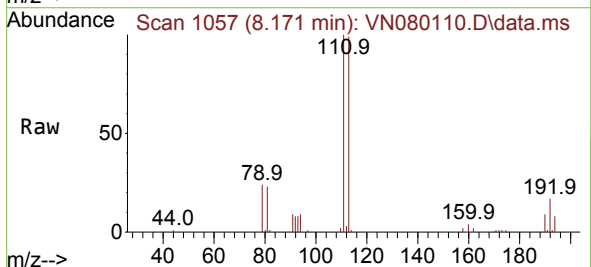
Tgt Ion:113 Resp: 121127

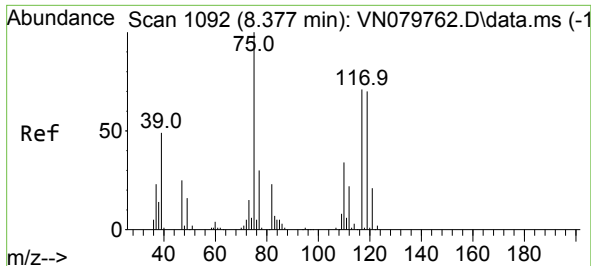
Ion Ratio Lower Upper

113 100

111 102.5 82.6 123.8

192 17.3 12.7 19.1





#36

1,1-Dichloropropene

Concen: 4.530 ug/l

RT: 8.224 min Scan# 1066

Delta R.T. -0.153 min

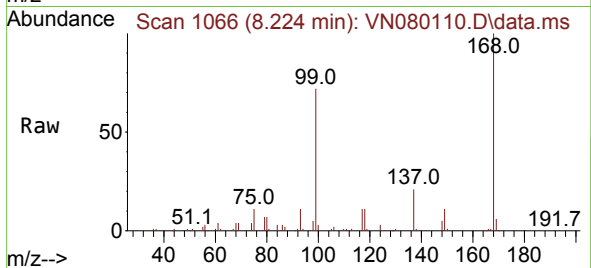
Lab File: VN080110.D

Acq: 15 Nov 2023 15:06

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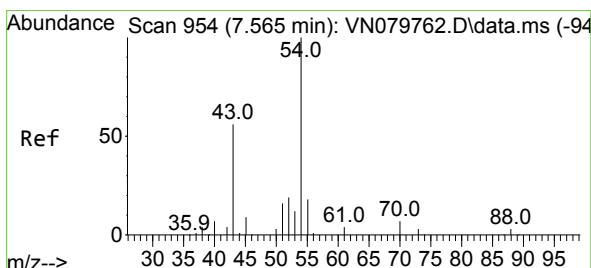
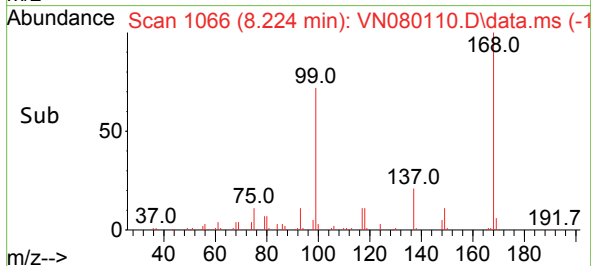
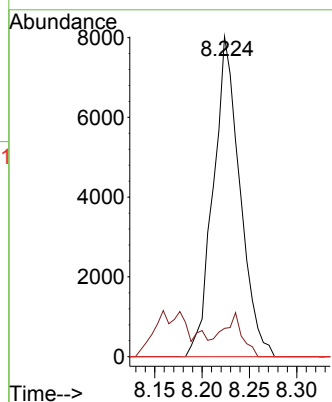
Tgt Ion: 75 Resp: 15706

Ion Ratio Lower Upper

75 100

110 9.6 19.1 57.3#

77 0.0 25.0 37.4#



#37

Ethyl Acetate

Concen: 1.038 ug/l

RT: 7.571 min Scan# 955

Delta R.T. 0.006 min

Lab File: VN080110.D

Acq: 15 Nov 2023 15:06

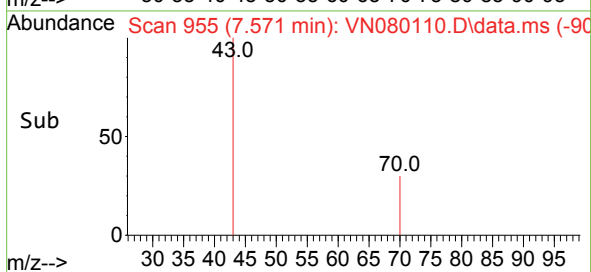
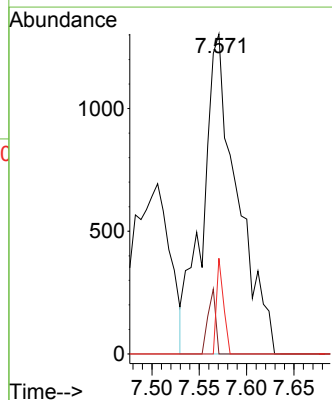
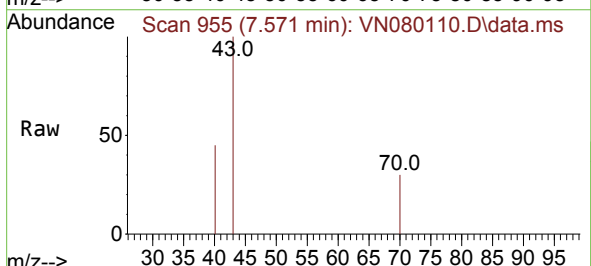
Tgt Ion: 43 Resp: 3302

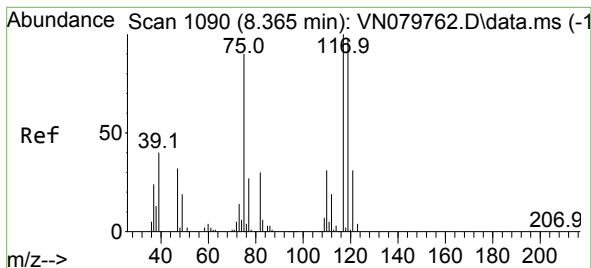
Ion Ratio Lower Upper

43 100

61 4.5 13.2 19.8#

70 6.0 11.3 16.9#





#38

Carbon Tetrachloride

Concen: 6.170 ug/l

RT: 8.229 min Scan# 110

Delta R.T. -0.129 min

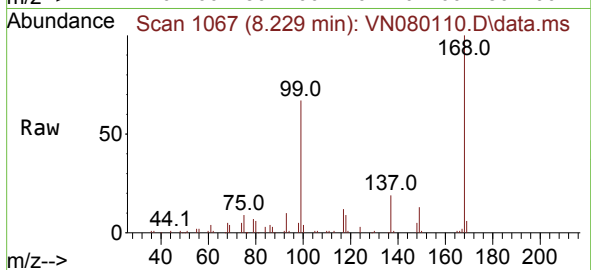
Lab File: VN080110.D

Acq: 15 Nov 2023 15:06

Instrument :

MSVOA_N

ClientSampleId :



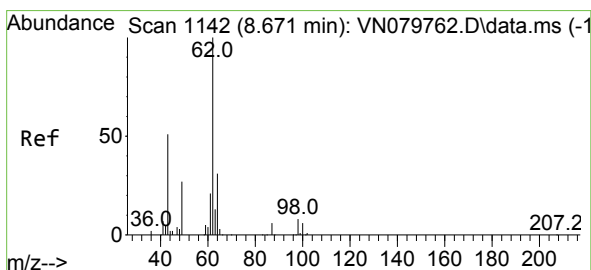
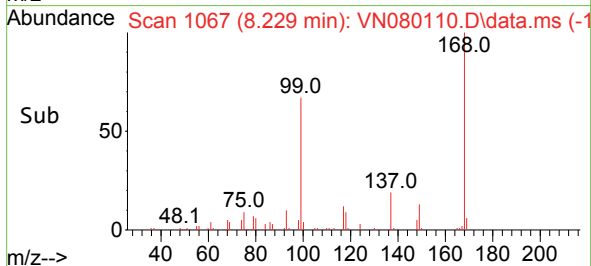
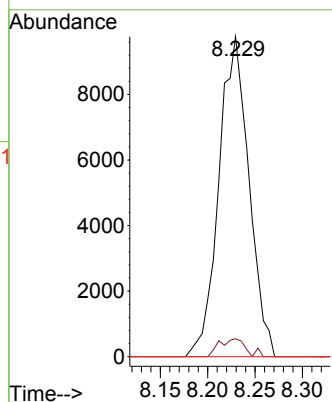
Tgt Ion:117 Resp: 21560

Ion Ratio Lower Upper

117 100

119 5.6 77.3 115.9#

121 0.0 23.3 34.9#



#42

1,2-Dichloroethane

Concen: 0.297 ug/l

RT: 8.688 min Scan# 1145

Delta R.T. 0.018 min

Lab File: VN080110.D

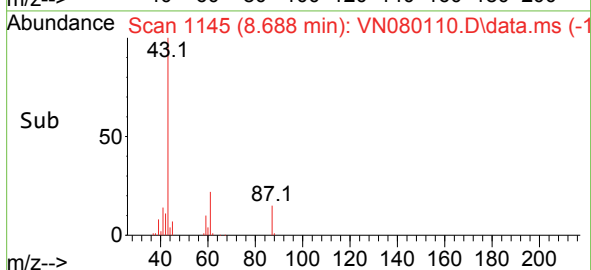
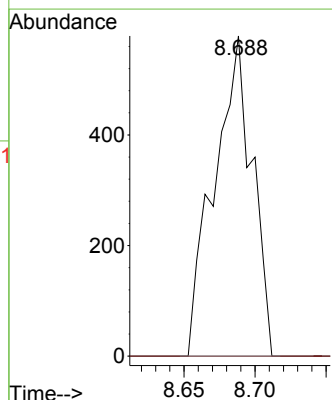
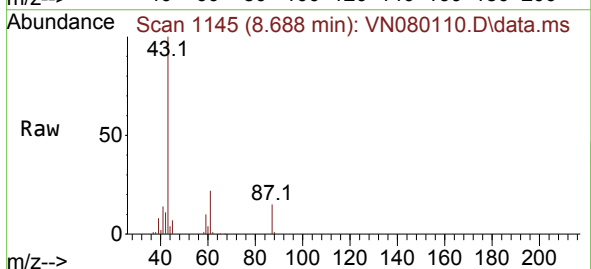
Acq: 15 Nov 2023 15:06

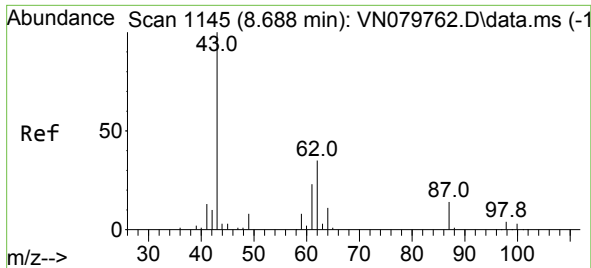
Tgt Ion: 62 Resp: 1076

Ion Ratio Lower Upper

62 100

98 0.0 0.0 19.8

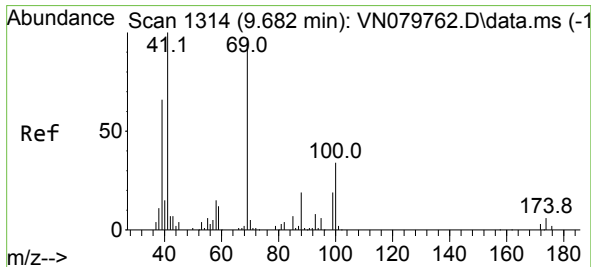
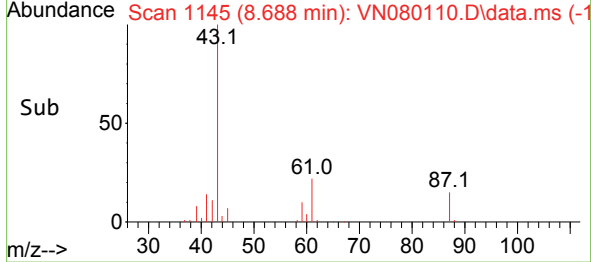
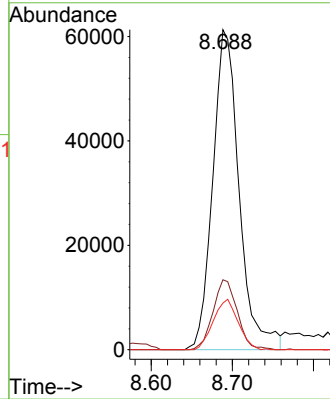
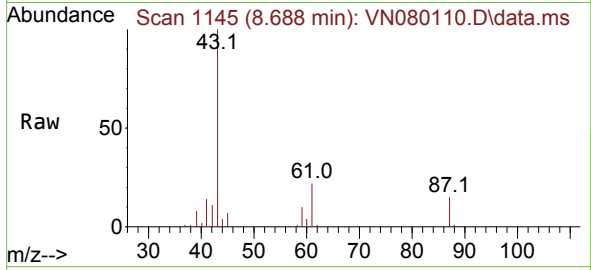




#43
Isopropyl Acetate
Concen: 24.785 ug/l
RT: 8.688 min Scan# 1145
Delta R.T. -0.000 min
Lab File: VN080110.D
Acq: 15 Nov 2023 15:06

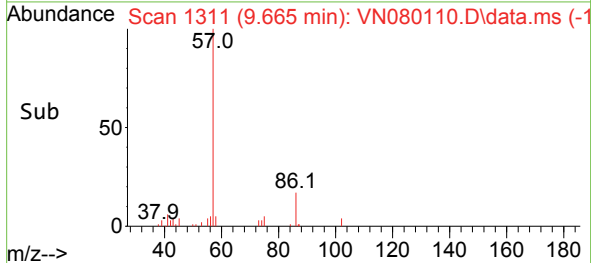
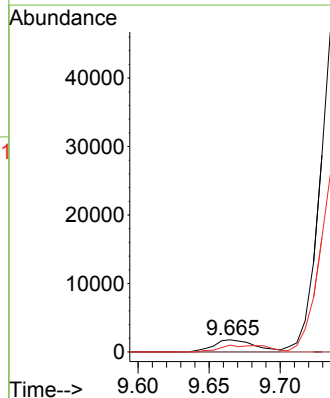
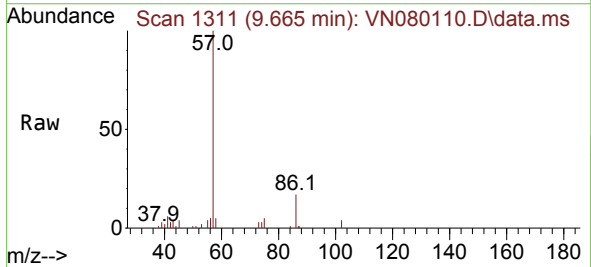
Instrument :
MSVOA_N
ClientSampleId :

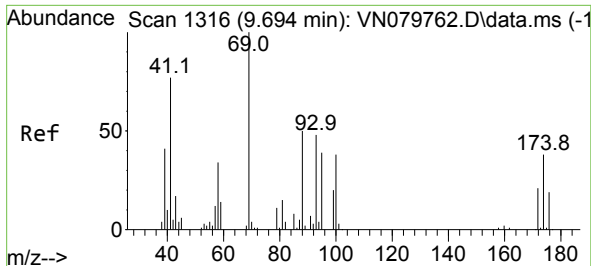
Tgt Ion: 43 Resp: 138222
Ion Ratio Lower Upper
43 100
61 20.0 24.7 37.1#
87 14.9 14.6 21.8



#48
Methyl methacrylate
Concen: 1.475 ug/l
RT: 9.665 min Scan# 1311
Delta R.T. -0.018 min
Lab File: VN080110.D
Acq: 15 Nov 2023 15:06

Tgt Ion: 41 Resp: 3602
Ion Ratio Lower Upper
41 100
69 0.0 90.4 135.6#
39 64.5 54.6 81.8





#49

1,4-Dioxane

Concen: 3.568 ug/l

RT: 9.735 min Scan# 11

Delta R.T. 0.041 min

Lab File: VN080110.D

Acq: 15 Nov 2023 15:06

Instrument :

MSVOA_N

ClientSampleId :

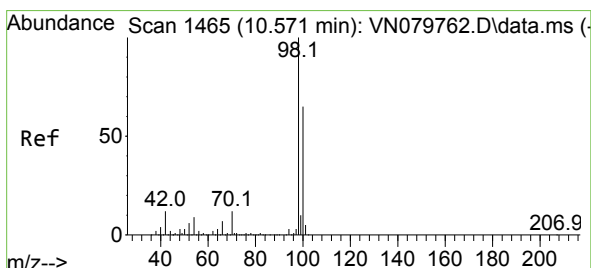
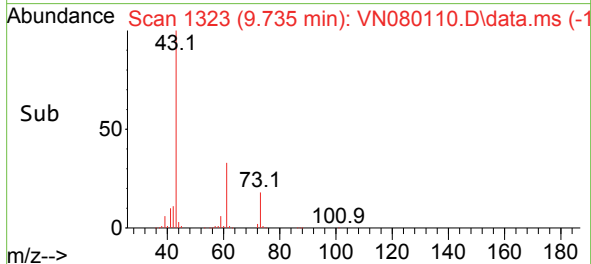
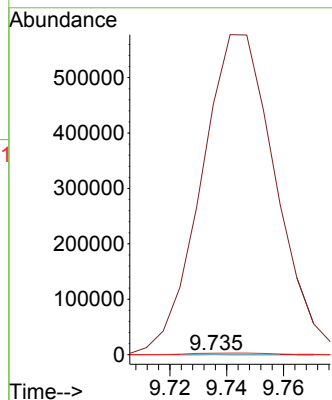
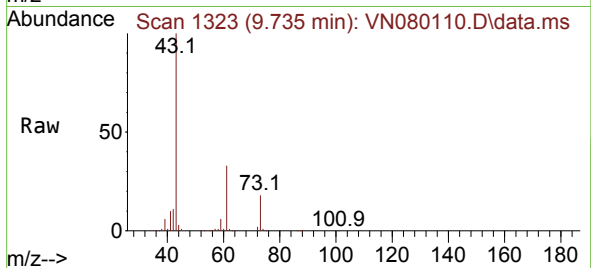
Tgt Ion: 88 Resp: 154

Ion Ratio Lower Upper

88 100

43 688664.3 17.0 25.6#

58 3914.9 47.0 70.4#



#50

Toluene-d8

Concen: 50.306 ug/l

RT: 10.570 min Scan# 1465

Delta R.T. 0.000 min

Lab File: VN080110.D

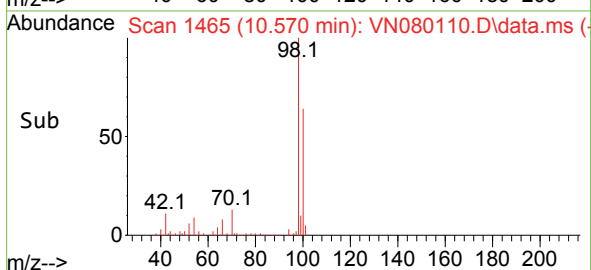
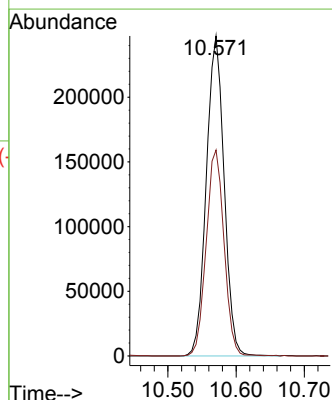
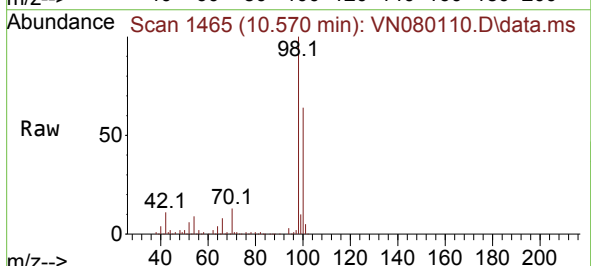
Acq: 15 Nov 2023 15:06

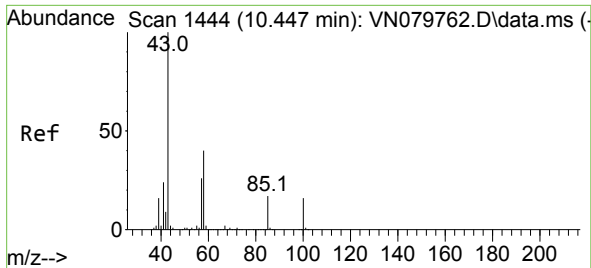
Tgt Ion: 98 Resp: 449738

Ion Ratio Lower Upper

98 100

100 64.5 52.0 78.0

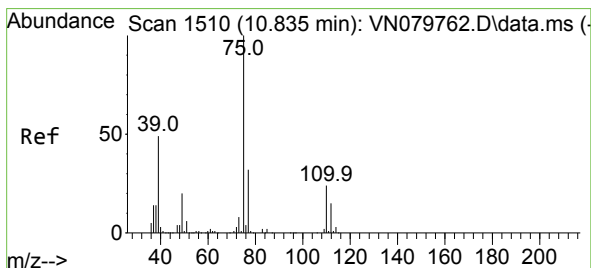
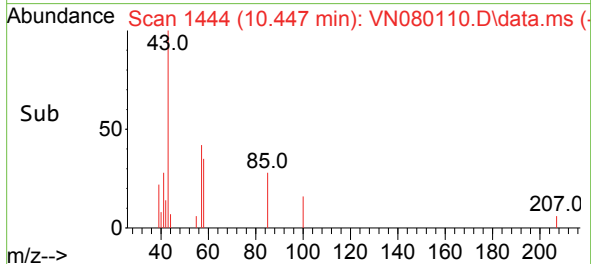
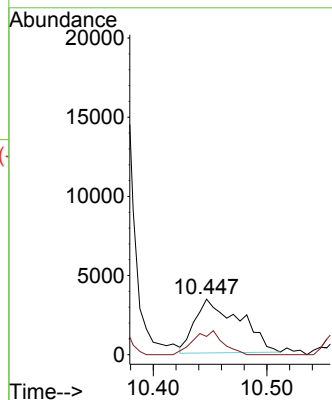
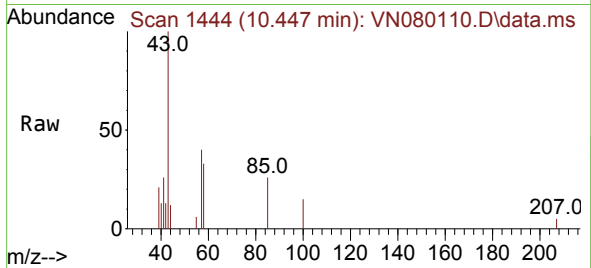




#51
4-Methyl-2-Pentanone
Concen: 2.958 ug/l
RT: 10.447 min Scan# 1444
Delta R.T. -0.000 min
Lab File: VN080110.D
Acq: 15 Nov 2023 15:06

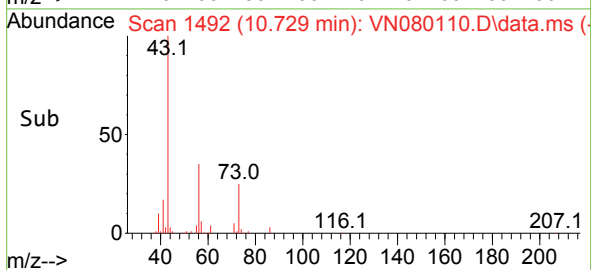
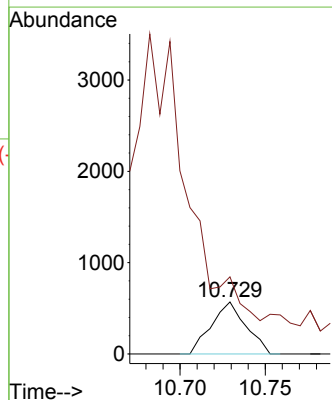
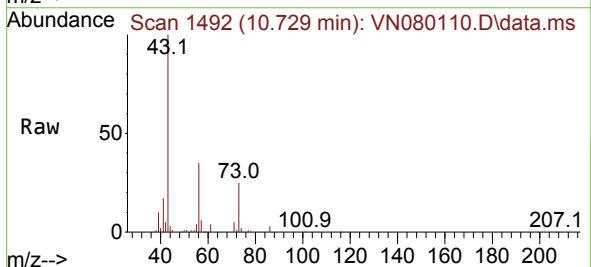
Instrument :
MSVOA_N
ClientSampleId :

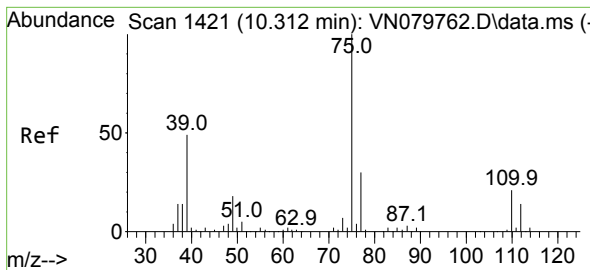
Tgt Ion: 43 Resp: 9287
Ion Ratio Lower Upper
43 100
58 29.0 36.6 54.8#



#53
t-1,3-Dichloropropene
Concen: 0.213 ug/l
RT: 10.729 min Scan# 1492
Delta R.T. -0.112 min
Lab File: VN080110.D
Acq: 15 Nov 2023 15:06

Tgt Ion: 75 Resp: 806
Ion Ratio Lower Upper
75 100
77 73.3 25.4 38.0#

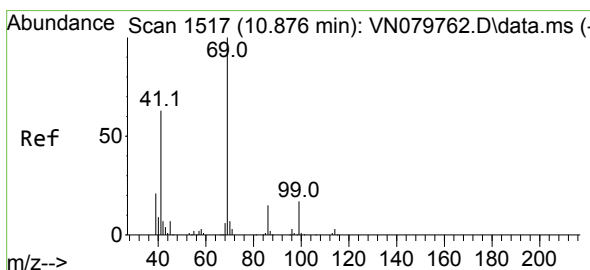
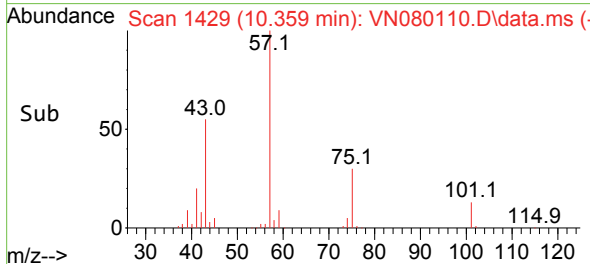
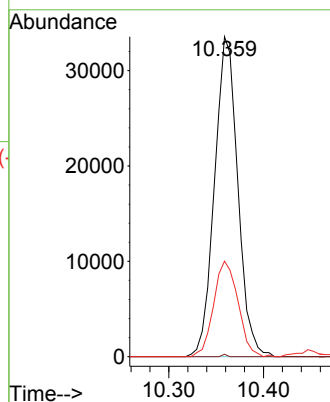
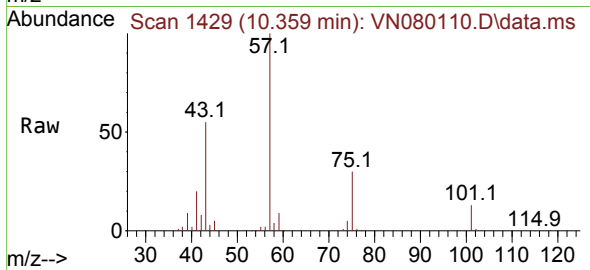




#54
 cis-1,3-Dichloropropene
 Concen: 13.880 ug/l
 RT: 10.359 min Scan# 1429
 Delta R.T. 0.041 min
 Lab File: VN080110.D
 Acq: 15 Nov 2023 15:06

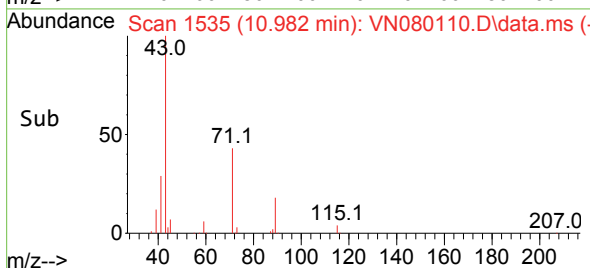
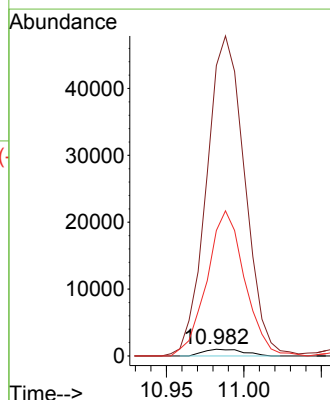
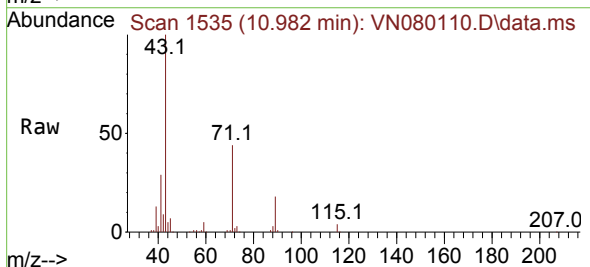
Instrument :
 MSVOA_N
 ClientSampleId :

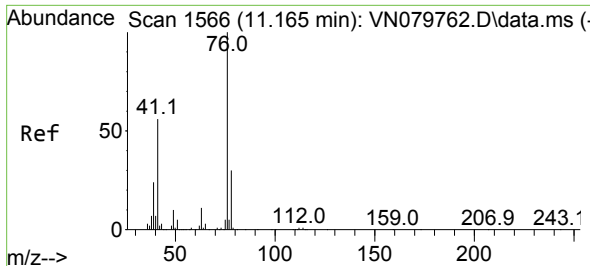
Tgt Ion: 75 Resp: 57320
 Ion Ratio Lower Upper
 75 100
 77 0.7 26.1 39.1#
 39 29.8 31.6 47.4#



#56
 Ethyl methacrylate
 Concen: 0.511 ug/l
 RT: 10.982 min Scan# 1535
 Delta R.T. 0.106 min
 Lab File: VN080110.D
 Acq: 15 Nov 2023 15:06

Tgt Ion: 69 Resp: 1806
 Ion Ratio Lower Upper
 69 100
 41 4551.0 39.6 59.4#
 39 2042.1 28.6 43.0#





#57

1,3-Dichloropropane

Concen: 1.535 ug/l

RT: 11.200 min Scan# 11

Delta R.T. 0.035 min

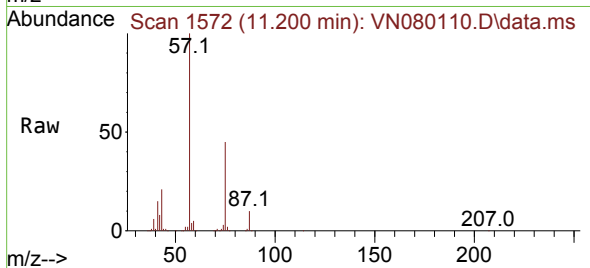
Lab File: VN080110.D

Acq: 15 Nov 2023 15:06

Instrument :

MSVOA_N

ClientSampleId :

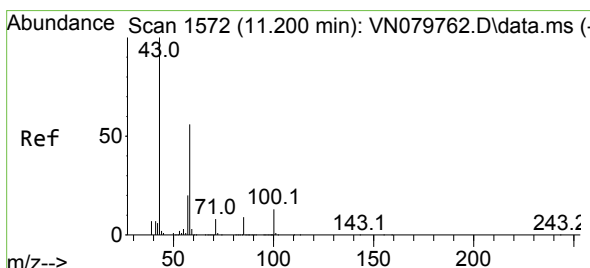
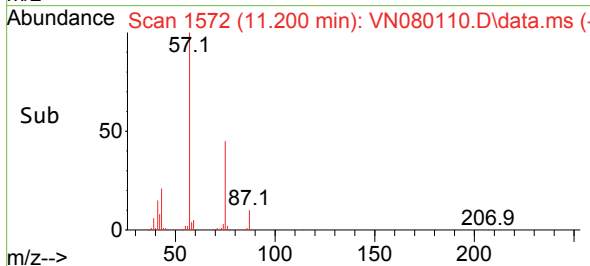
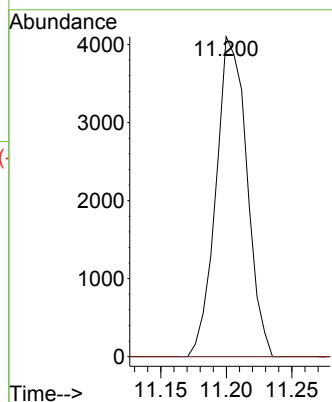


Tgt Ion: 76 Resp: 6701

Ion Ratio Lower Upper

76 100

78 0.0 26.1 39.1#



#59

2-Hexanone

Concen: 47.938 ug/l

RT: 11.170 min Scan# 1567

Delta R.T. -0.029 min

Lab File: VN080110.D

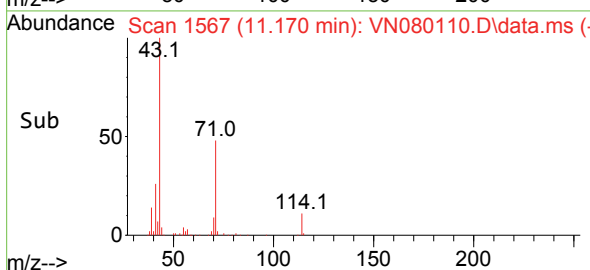
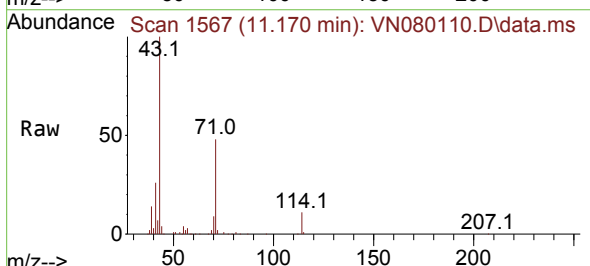
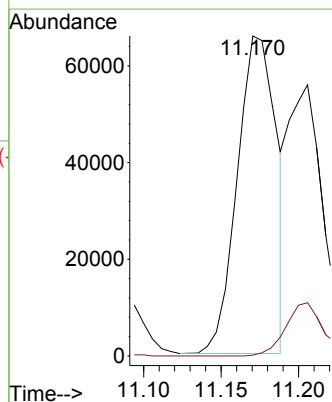
Acq: 15 Nov 2023 15:06

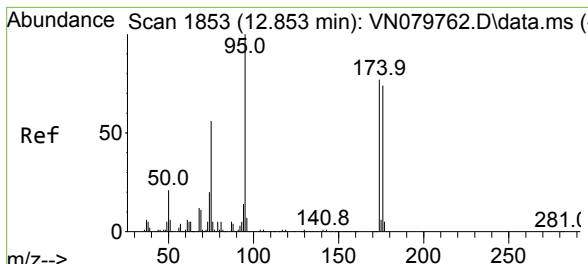
Tgt Ion: 43 Resp: 115140

Ion Ratio Lower Upper

43 100

58 0.0 31.7 95.1#

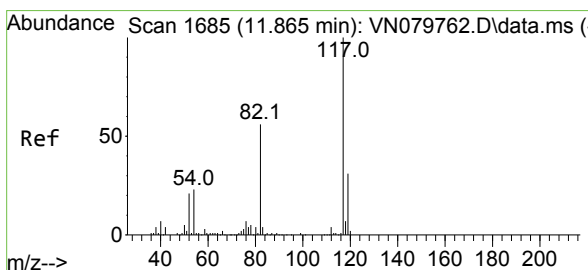
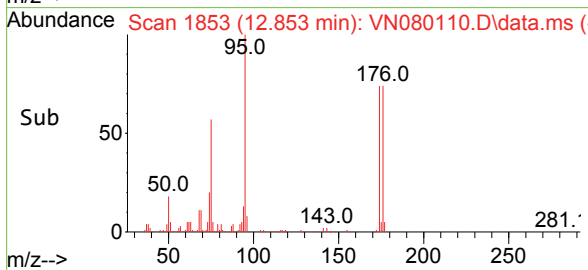
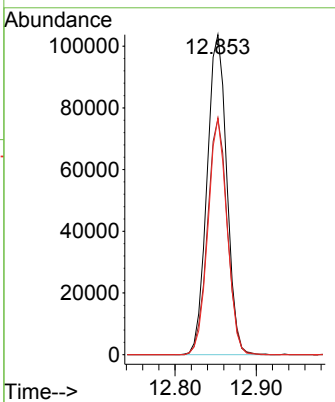
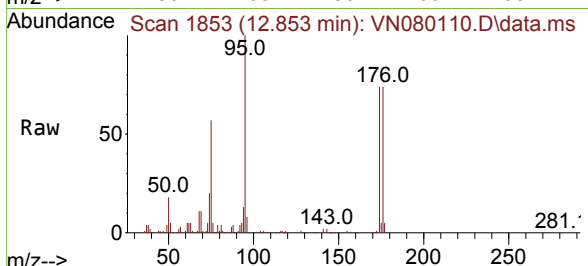




#62
 4-Bromofluorobenzene
 Concen: 58.886 ug/l
 RT: 12.853 min Scan# 1853
 Delta R.T. -0.000 min
 Lab File: VN080110.D
 Acq: 15 Nov 2023 15:06

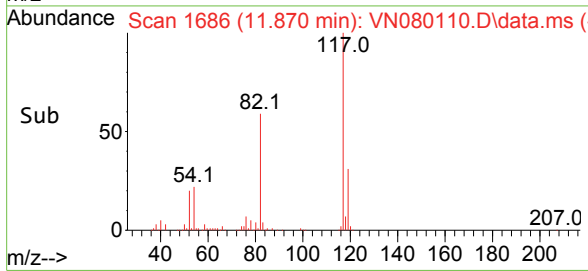
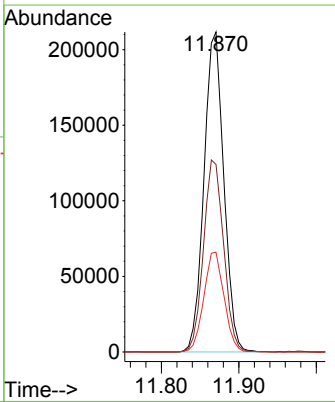
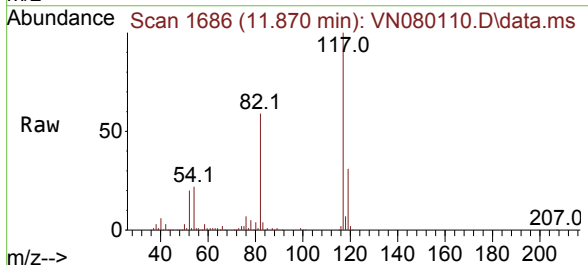
Instrument :
 MSVOA_N
 ClientSampleId :

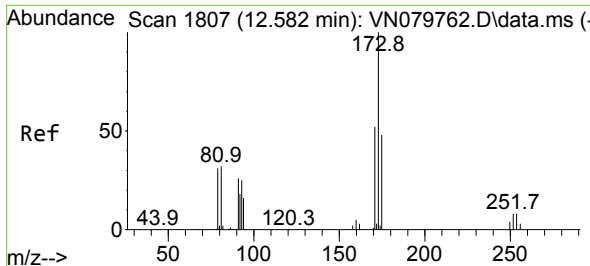
Tgt Ion:	95	Resp:	174593
Ion Ratio	Lower	Upper	
95	100		
174	74.4	0.0	143.8
176	71.5	0.0	135.8



#63
 Chlorobenzene-d5
 Concen: 50.000 ug/l
 RT: 11.870 min Scan# 1686
 Delta R.T. -0.000 min
 Lab File: VN080110.D
 Acq: 15 Nov 2023 15:06

Tgt Ion:	117	Resp:	375705
Ion Ratio	Lower	Upper	
117	100		
82	58.6	44.0	66.0
119	31.2	25.6	38.4

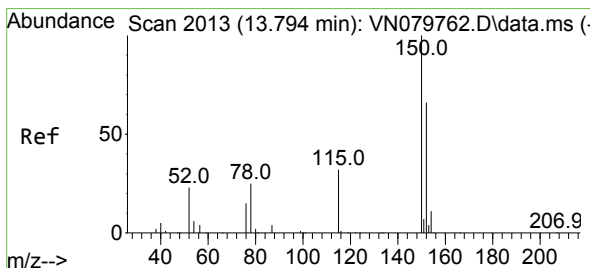
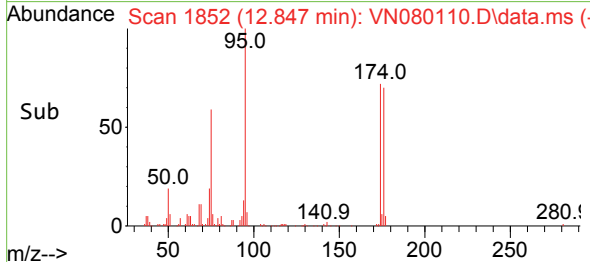
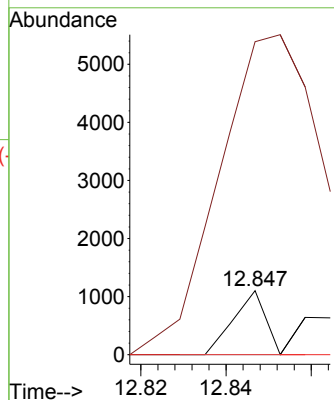
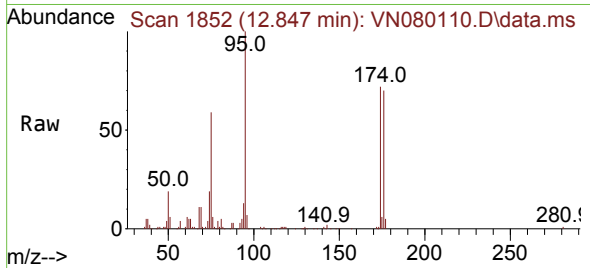




#71
Bromoform
Concen: 0.277 ug/l
RT: 12.847 min Scan# 1807
Delta R.T. 0.265 min
Lab File: VN080110.D
Acq: 15 Nov 2023 15:06

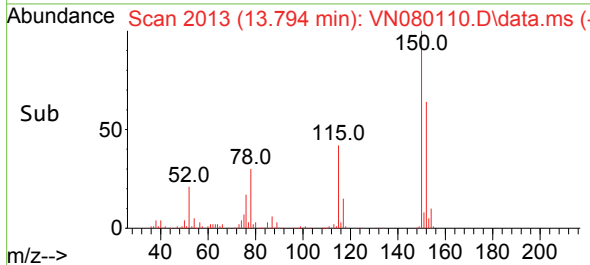
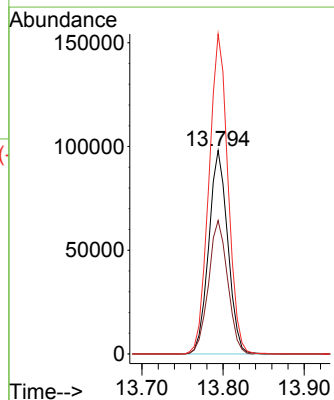
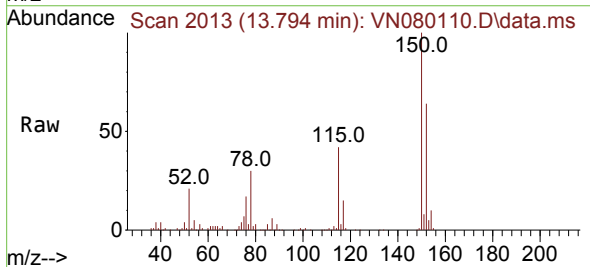
Instrument :
MSVOA_N
ClientSampleId :

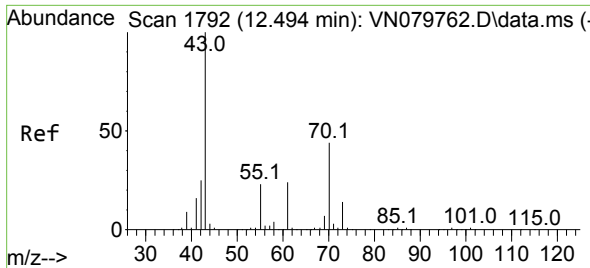
Tgt Ion:173 Resp: 578
Ion Ratio Lower Upper
173 100
175 1372.3 24.3 73.0#
254 0.0 0.0 0.0



#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 13.794 min Scan# 2013
Delta R.T. -0.000 min
Lab File: VN080110.D
Acq: 15 Nov 2023 15:06

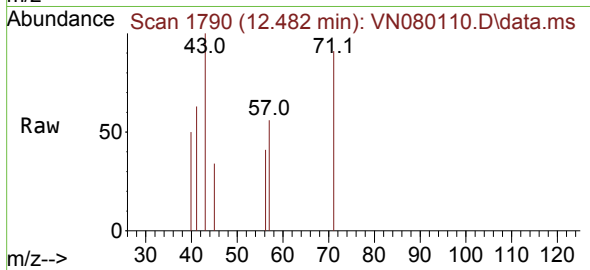
Tgt Ion:152 Resp: 159305
Ion Ratio Lower Upper
152 100
115 66.3 32.3 96.8
150 157.7 0.0 355.8



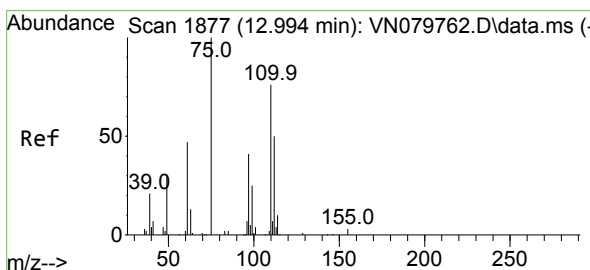
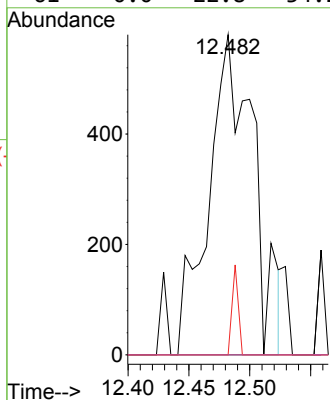
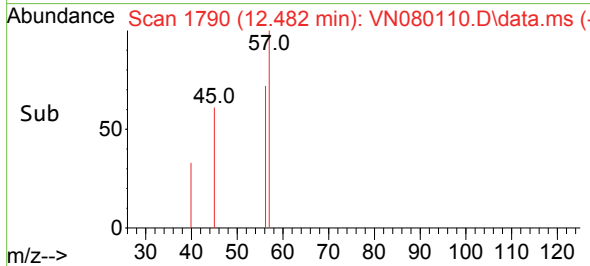


#74
N-amy1 acetate
Concen: 0.284 ug/l
RT: 12.482 min Scan# 1790
Delta R.T. -0.012 min
Lab File: VN080110.D
Acq: 15 Nov 2023 15:06

Instrument :
MSVOA_N
ClientSampleId :

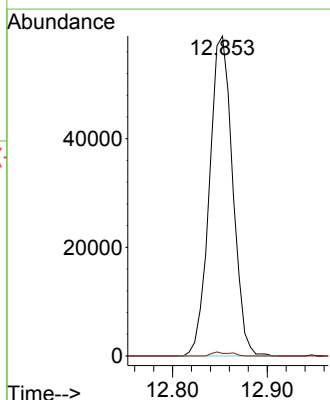
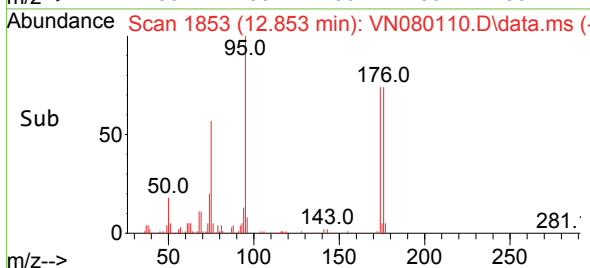
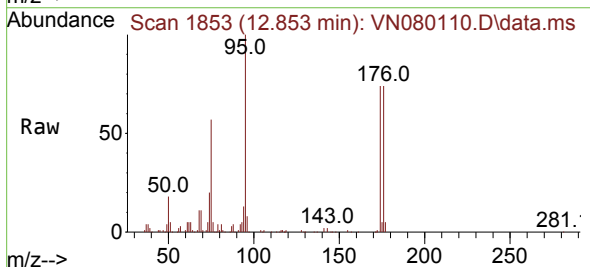


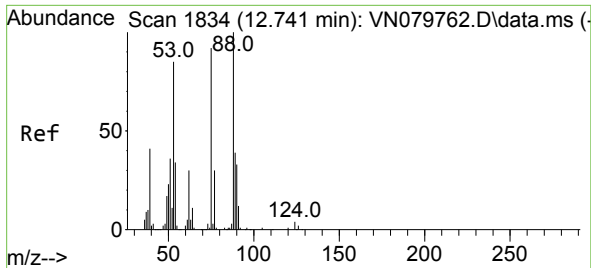
Tgt Ion: 43 Resp: 1499
Ion Ratio Lower Upper
43 100
70 0.0 43.4 65.2#
55 3.9 21.4 32.0#
61 0.0 22.8 34.2#



#76
1,2,3-Trichloropropane
Concen: 26.829 ug/l
RT: 12.853 min Scan# 1853
Delta R.T. -0.141 min
Lab File: VN080110.D
Acq: 15 Nov 2023 15:06

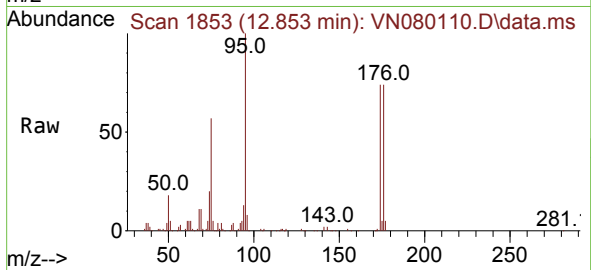
Tgt Ion: 75 Resp: 100340
Ion Ratio Lower Upper
75 100
77 1.0 84.5 253.5#





#81
 trans-1,4-Dichloro-2-butene
 Concen: 72.995 ug/l
 RT: 12.853 min Scan# 11
 Delta R.T. 0.118 min
 Lab File: VN080110.D
 Acq: 15 Nov 2023 15:06

Instrument :
 MSVOA_N
 ClientSampleId :



Tgt Ion: 75 Resp: 100340
 Ion Ratio Lower Upper
 75 100
 53 0.0 67.4 101.2#
 89 0.1 38.8 58.2#

