

Data Path : Z:\voasrv\HPCHEM1\MSVOA_N\Data\VN111423\
 Data File : VN080087.D
 Acq On : 14 Nov 2023 14:27
 Operator : JC\MD
 Sample : PB157111TB
 Misc : 5.0mL/MSVOA_N/WATER
 ALS Vial : 10 Sample Multiplier: 1

Instrument :
 MSVOA_N
 ClientSampleId :

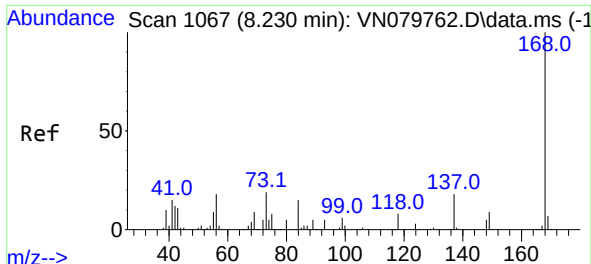
Quant Time: Nov 15 03:56:23 2023
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_N\methods\82N110123W.M
 Quant Title : SW846 8260
 QLast Update : Thu Nov 02 05:49:08 2023
 Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
Internal Standards						
1) Pentafluorobenzene	8.230	168	180206	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	9.106	114	352482	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.871	117	392776	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.794	152	166645	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.583	65	161994	59.003	ug/l	0.00
Spiked Amount	50.000	Range	74 - 125	Recovery	= 118.000%	
35) Dibromofluoromethane	8.165	113	126026	50.517	ug/l	0.00
Spiked Amount	50.000	Range	75 - 124	Recovery	= 101.040%	
50) Toluene-d8	10.571	98	463160	50.431	ug/l	0.00
Spiked Amount	50.000	Range	86 - 113	Recovery	= 100.860%	
62) 4-Bromofluorobenzene	12.853	95	179671	58.988	ug/l	0.00
Spiked Amount	50.000	Range	83 - 123	Recovery	= 117.980%	
Target Compounds						Qvalue
3) Chloromethane	2.365	50	412	Below Cal	#	79
16) Acetone	4.430	43	19607	20.331	ug/l	97
18) Methyl Acetate	5.036	43	3006	0.652	ug/l #	62
20) Methylene Chloride	5.283	84	6033	2.479	ug/l #	87
25) 2-Butanone	7.494	43	1612	1.141	ug/l #	77
31) Cyclohexane	8.230	56	4231	1.166	ug/l #	14
36) 1,1-Dichloropropene	8.224	75	15538	4.362	ug/l #	48
37) Ethyl Acetate	7.571	43	3080	0.943	ug/l #	76
38) Carbon Tetrachloride	8.224	117	21068	5.869	ug/l #	15
42) 1,2-Dichloroethane	8.688	62	860	0.231	ug/l #	73
43) Isopropyl Acetate	8.694	43	141586	24.714	ug/l #	85
45) 1,2-Dichloropropane	9.747	63	1597	0.586	ug/l #	45
48) Methyl methacrylate	9.671	41	3823	1.523	ug/l #	29
49) 1,4-Dioxane	9.700	88	69	1.556	ug/l #	30
51) 4-Methyl-2-Pentanone	10.447	43	10093	3.129	ug/l #	68
53) t-1,3-Dichloropropene	10.730	75	1081	0.278	ug/l #	67
54) cis-1,3-Dichloropropene	10.359	75	57172	13.476	ug/l #	71
56) Ethyl methacrylate	10.988	69	2159	0.595	ug/l #	1
57) 1,3-Dichloropropane	11.206	76	8149	1.817	ug/l #	42
59) 2-Hexanone	11.206	43	76665	31.071	ug/l #	52
71) Bromoform	12.853	173	773	0.355	ug/l #	1
74) N-amyl acetate	12.482	43	1327	0.240	ug/l #	36
76) 1,2,3-Trichloropropane	12.853	75	104525	26.717	ug/l #	1
81) trans-1,4-Dichloro-2-b...	12.853	75	104525	72.690	ug/l #	15

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

Quant Time: Nov 15 03:56:23 2023
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_N\methods\82N110123W.M
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Response via : Initial Calibration

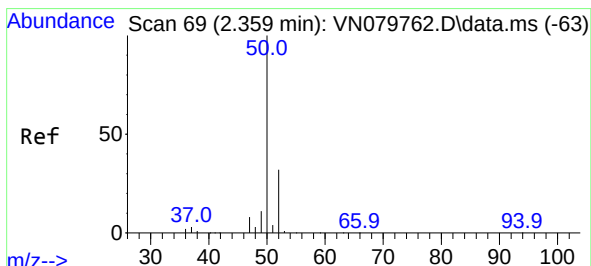
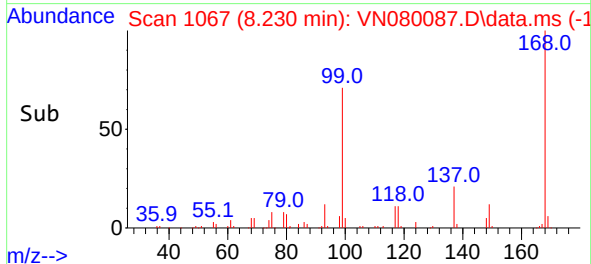
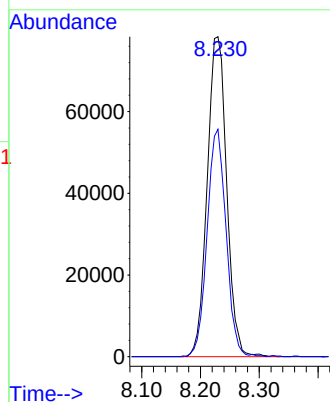
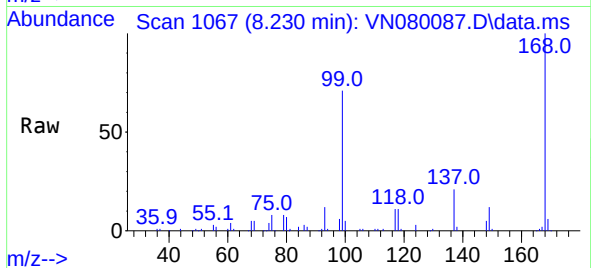




#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 8.230 min Scan# 10
Delta R.T. 0.001 min
Lab File: VN080087.D
Acq: 14 Nov 2023 14:27

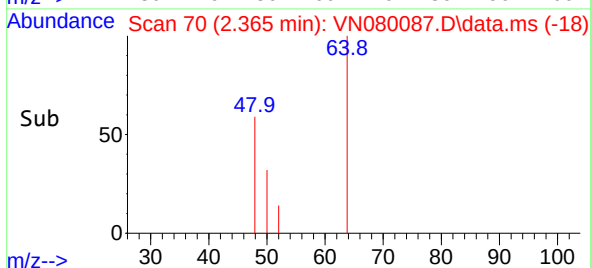
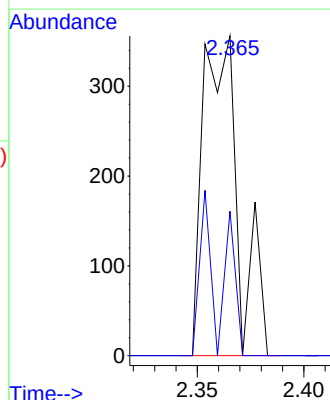
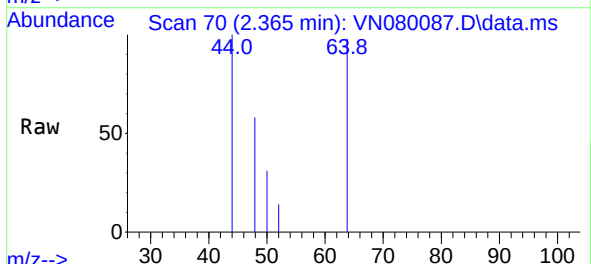
Instrument :
MSVOA_N
ClientSampleId :

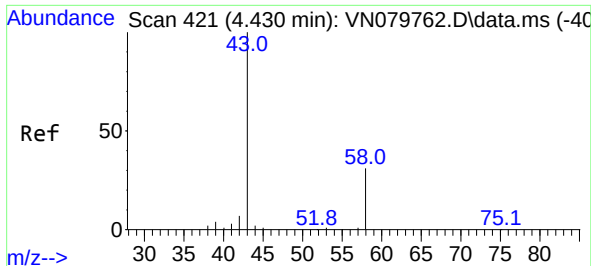
Tgt Ion:168 Resp: 180206
Ion Ratio Lower Upper
168 100
99 71.1 53.0 79.6



#3
Chloromethane
Concen: Below Cal
RT: 2.365 min Scan# 70
Delta R.T. 0.006 min
Lab File: VN080087.D
Acq: 14 Nov 2023 14:27

Tgt Ion: 50 Resp: 412
Ion Ratio Lower Upper
50 100
52 45.2 26.5 39.7#

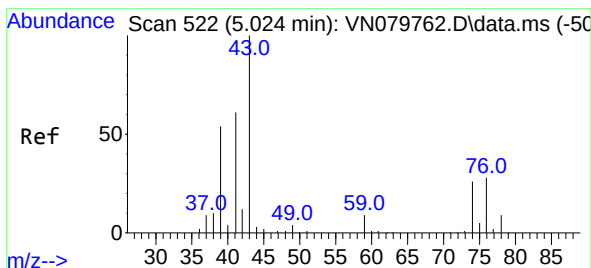
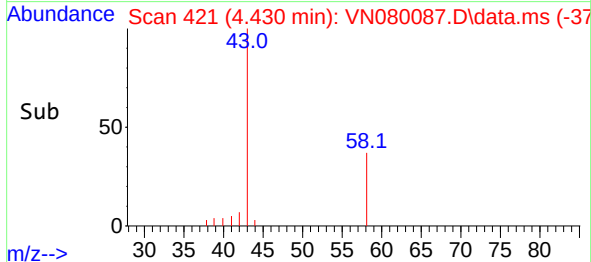
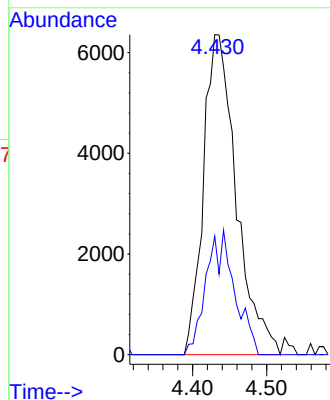
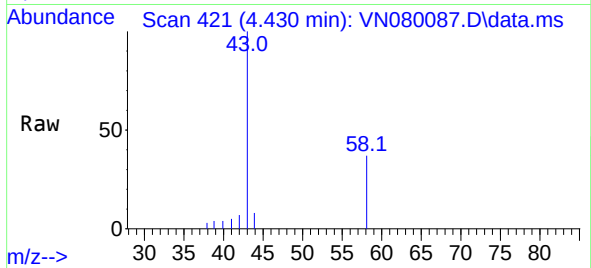




#16
Acetone
Concen: 20.331 ug/l
RT: 4.430 min Scan# 41
Delta R.T. 0.000 min
Lab File: VN080087.D
Acq: 14 Nov 2023 14:27

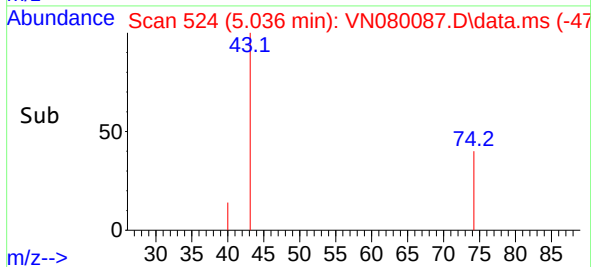
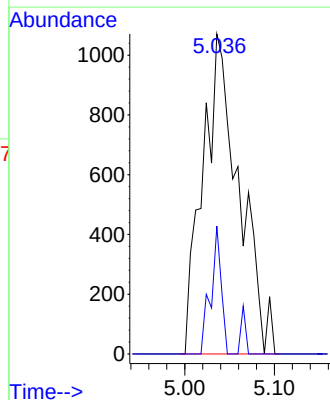
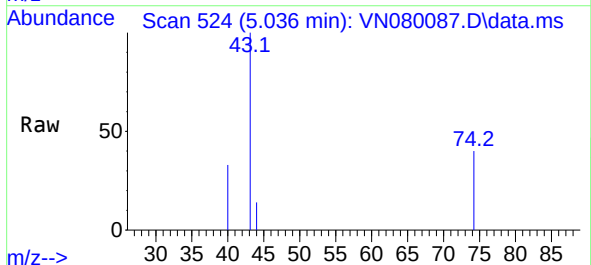
Instrument :
MSVOA_N
ClientSampleId :

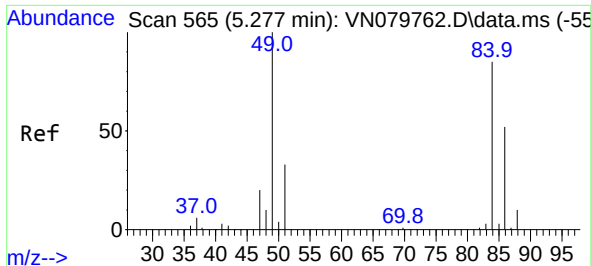
Tgt Ion: 43 Resp: 19607
Ion Ratio Lower Upper
43 100
58 37.0 28.0 42.0



#18
Methyl Acetate
Concen: 0.652 ug/l
RT: 5.036 min Scan# 524
Delta R.T. 0.012 min
Lab File: VN080087.D
Acq: 14 Nov 2023 14:27

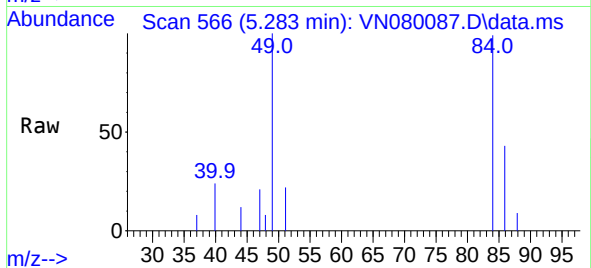
Tgt Ion: 43 Resp: 3006
Ion Ratio Lower Upper
43 100
74 11.5 26.2 39.4#





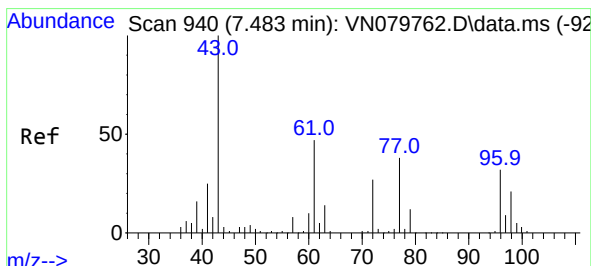
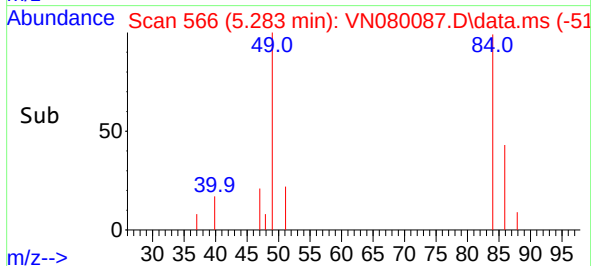
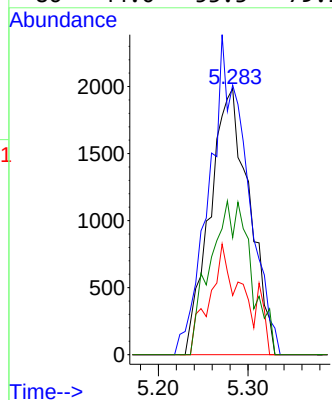
#20
Methylene Chloride
Concen: 2.479 ug/l
RT: 5.283 min Scan# 50
Delta R.T. 0.012 min
Lab File: VN080087.D
Acq: 14 Nov 2023 14:27

Instrument :
MSVOA_N
ClientSampleId :



Tgt Ion: 84 Resp: 6033

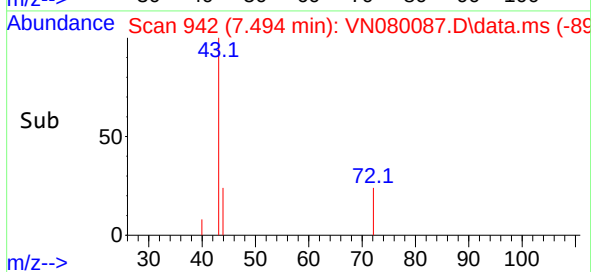
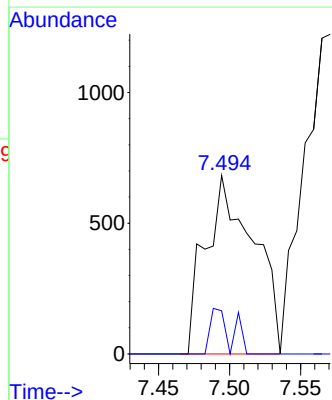
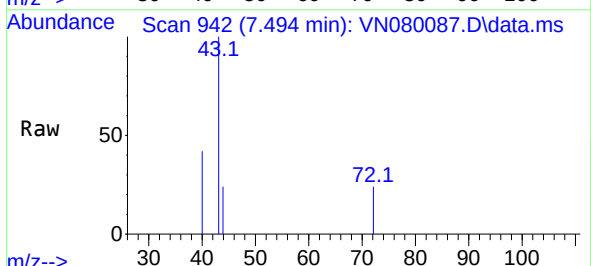
Ion	Ratio	Lower	Upper
84	100		
49	101.3	79.7	119.5
51	22.2	25.2	37.8#
86	44.0	53.3	79.9#

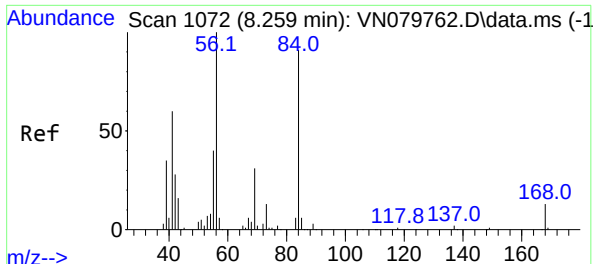


#25
2-Butanone
Concen: 1.141 ug/l
RT: 7.494 min Scan# 942
Delta R.T. 0.006 min
Lab File: VN080087.D
Acq: 14 Nov 2023 14:27

Tgt Ion: 43 Resp: 1612

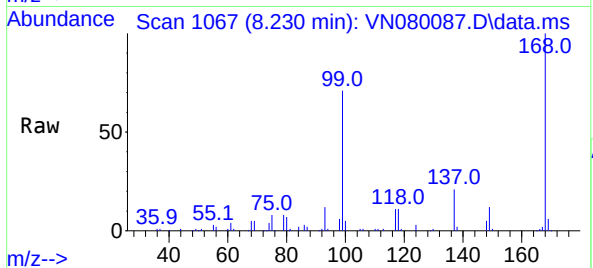
Ion	Ratio	Lower	Upper
43	100		
72	24.2	30.2	45.2#



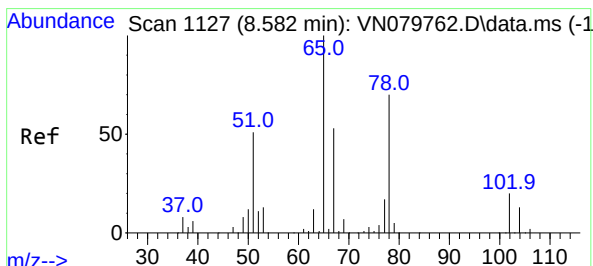
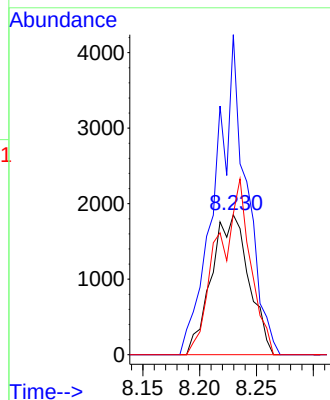
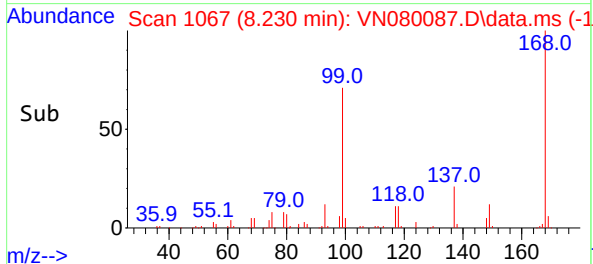


#31
Cyclohexane
Concen: 1.166 ug/l
RT: 8.230 min Scan# 1067
Delta R.T. -0.029 min
Lab File: VN080087.D
Acq: 14 Nov 2023 14:27

Instrument :
MSVOA_N
ClientSampleId :

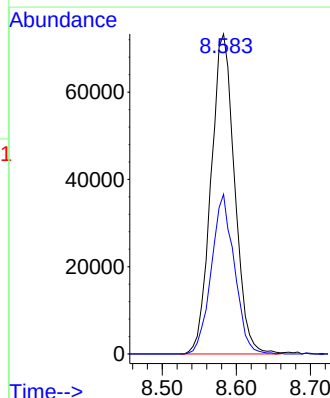
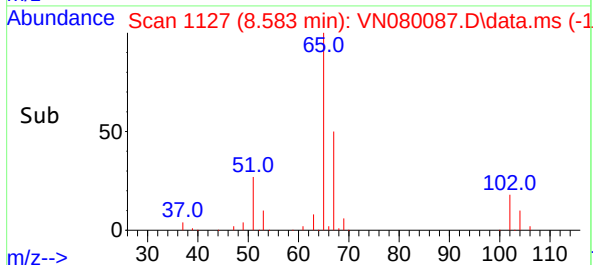
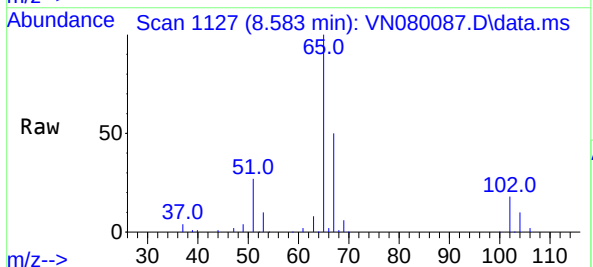


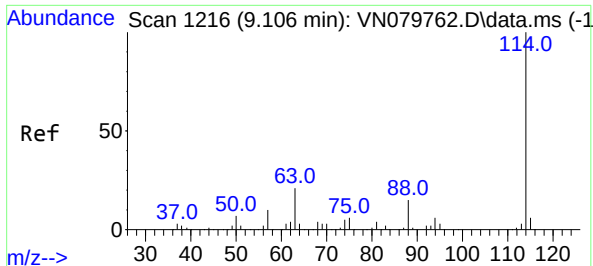
Tgt Ion: 56 Resp: 4231
Ion Ratio Lower Upper
56 100
69 228.7 26.8 40.2#
84 100.7 81.8 122.6



#33
1,2-Dichloroethane-d4
Concen: 59.003 ug/l
RT: 8.583 min Scan# 1127
Delta R.T. 0.000 min
Lab File: VN080087.D
Acq: 14 Nov 2023 14:27

Tgt Ion: 65 Resp: 161994
Ion Ratio Lower Upper
65 100
67 48.7 0.0 106.6

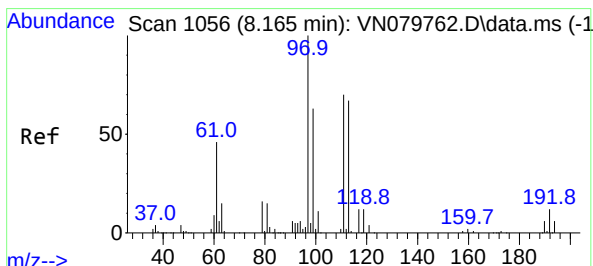
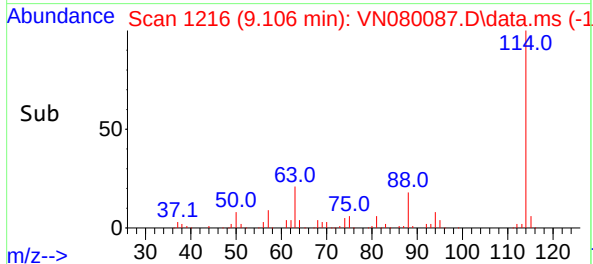
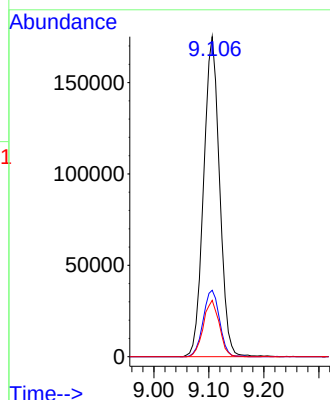
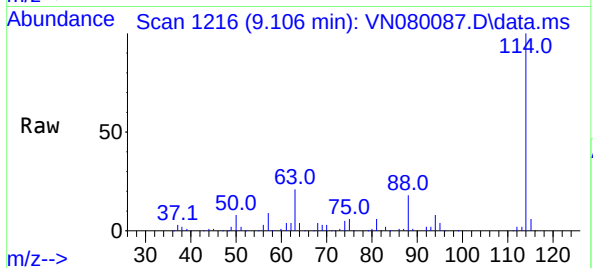




#34
1,4-Difluorobenzene
Concen: 50.000 ug/l
RT: 9.106 min Scan# 11
Delta R.T. 0.000 min
Lab File: VN080087.D
Acq: 14 Nov 2023 14:27

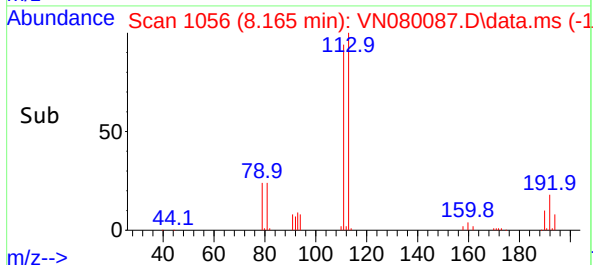
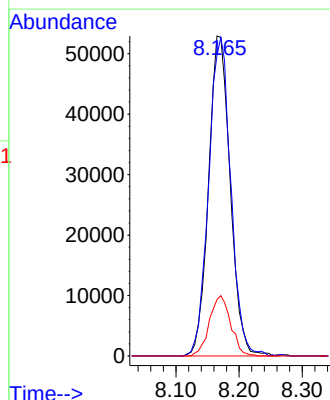
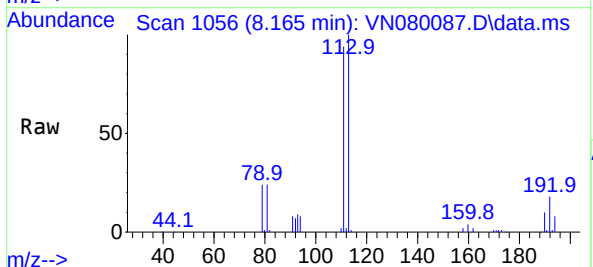
Instrument :
MSVOA_N
ClientSampleId :

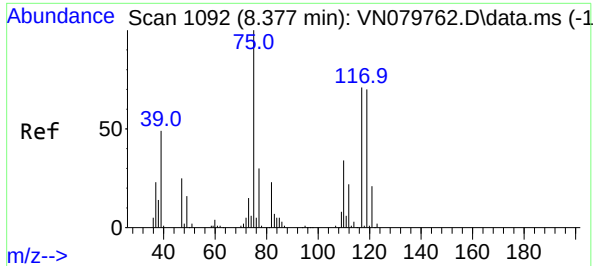
Tgt Ion:114 Resp: 352482
Ion Ratio Lower Upper
114 100
63 20.8 0.0 36.4
88 17.6 0.0 30.6



#35
Dibromofluoromethane
Concen: 50.517 ug/l
RT: 8.165 min Scan# 1056
Delta R.T. -0.006 min
Lab File: VN080087.D
Acq: 14 Nov 2023 14:27

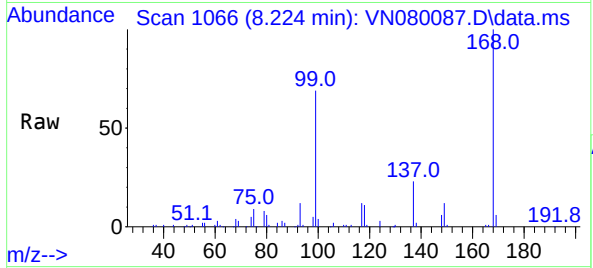
Tgt Ion:113 Resp: 126026
Ion Ratio Lower Upper
113 100
111 101.7 82.6 123.8
192 18.4 12.7 19.1



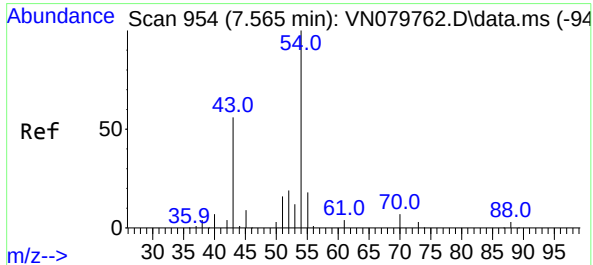
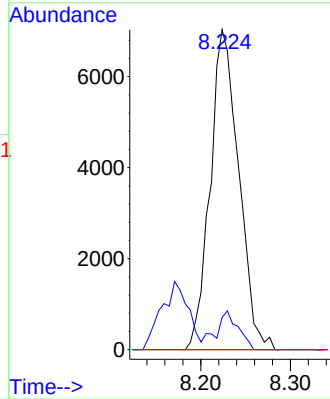
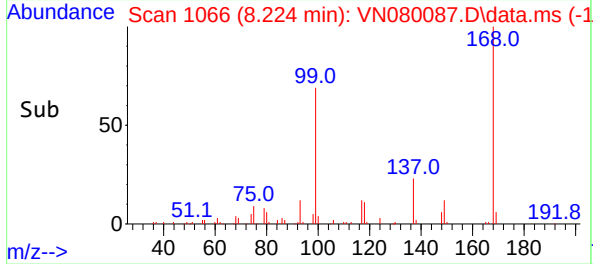


#36
1,1-Dichloropropene
Concen: 4.362 ug/l
RT: 8.224 min Scan# 1066
Delta R.T. -0.153 min
Lab File: VN080087.D
Acq: 14 Nov 2023 14:27

Instrument :
MSVOA_N
ClientSampleId :

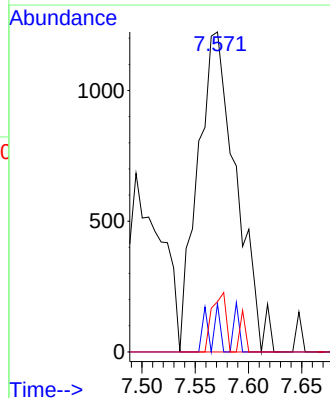
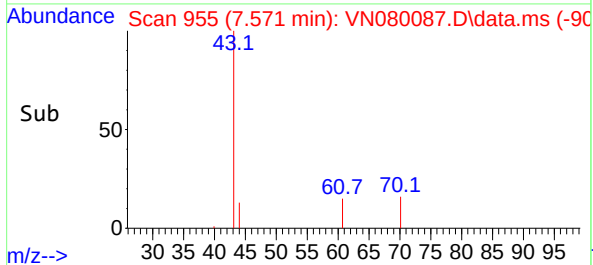
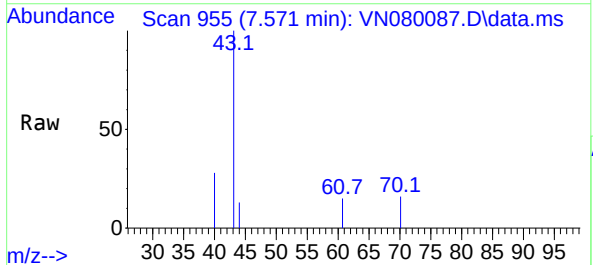


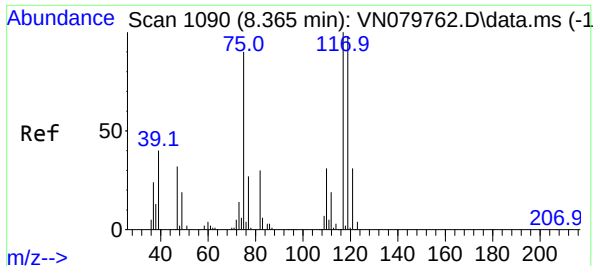
Tgt Ion: 75 Resp: 15538
Ion Ratio Lower Upper
75 100
110 9.4 19.1 57.3#
77 0.0 25.0 37.4#



#37
Ethyl Acetate
Concen: 0.943 ug/l
RT: 7.571 min Scan# 955
Delta R.T. 0.006 min
Lab File: VN080087.D
Acq: 14 Nov 2023 14:27

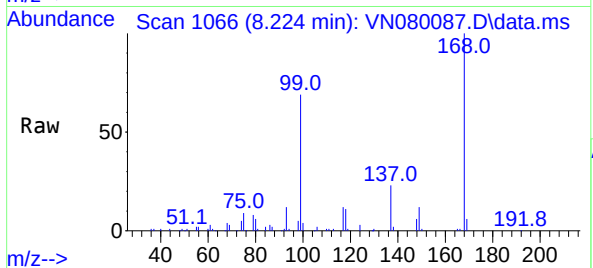
Tgt Ion: 43 Resp: 3080
Ion Ratio Lower Upper
43 100
61 4.1 13.2 19.8#
70 6.7 11.3 16.9#



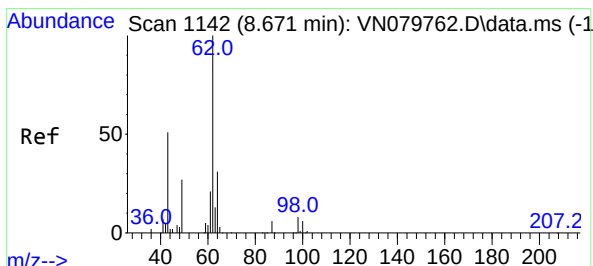
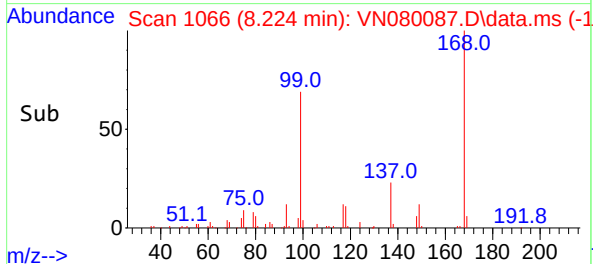
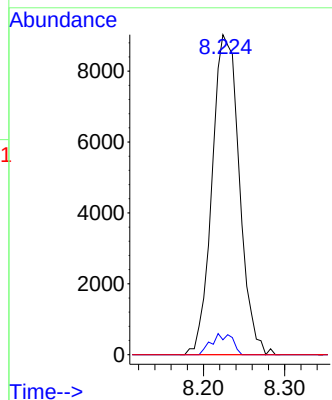


#38
Carbon Tetrachloride
Concen: 5.869 ug/l
RT: 8.224 min Scan# 1106
Delta R.T. -0.135 min
Lab File: VN080087.D
Acq: 14 Nov 2023 14:27

Instrument :
MSVOA_N
ClientSampleId :

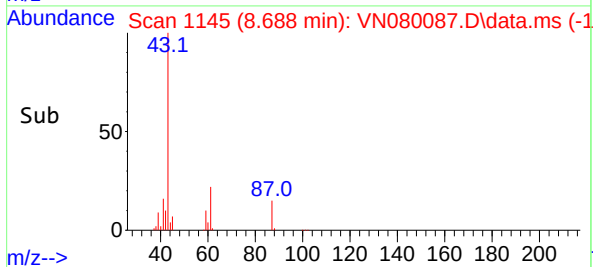
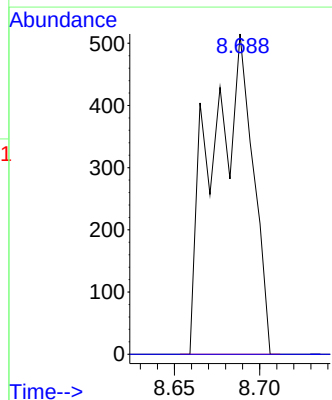
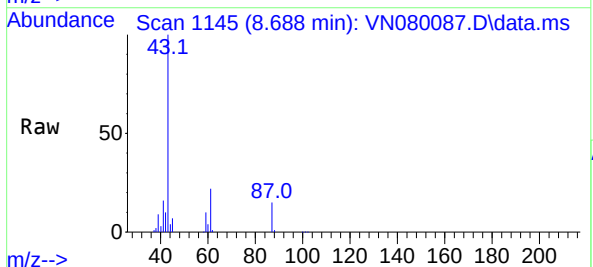


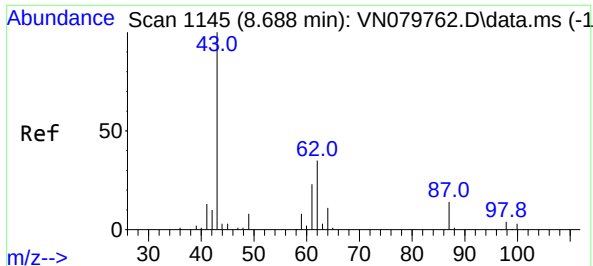
Tgt Ion:117 Resp: 21068
Ion Ratio Lower Upper
117 100
119 4.7 77.3 115.9#
121 0.0 23.3 34.9#



#42
1,2-Dichloroethane
Concen: 0.231 ug/l
RT: 8.688 min Scan# 1145
Delta R.T. 0.018 min
Lab File: VN080087.D
Acq: 14 Nov 2023 14:27

Tgt Ion: 62 Resp: 860
Ion Ratio Lower Upper
62 100
98 0.0 0.0 19.8

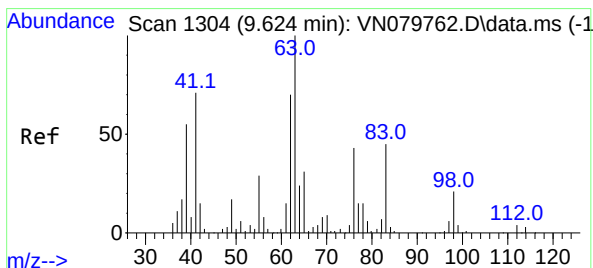
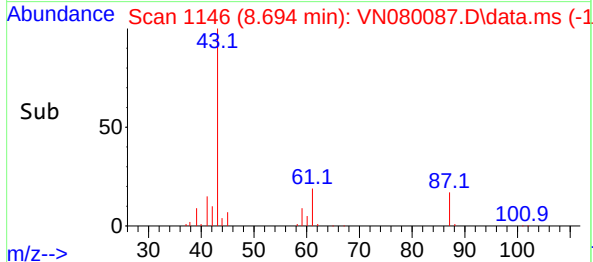
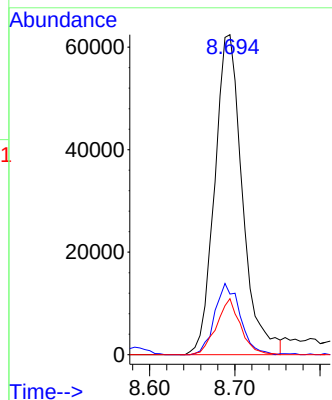
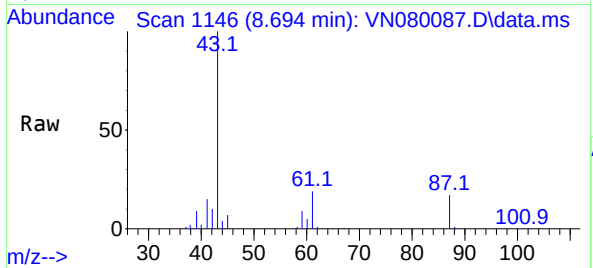




#43
Isopropyl Acetate
Concen: 24.714 ug/l
RT: 8.694 min Scan# 1146
Delta R.T. 0.006 min
Lab File: VN080087.D
Acq: 14 Nov 2023 14:27

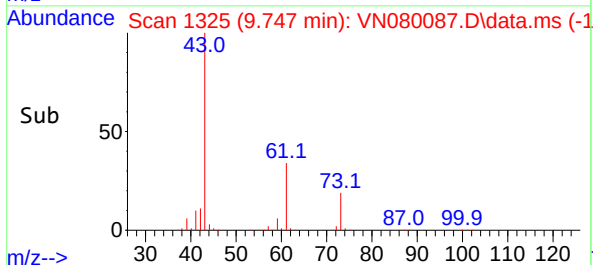
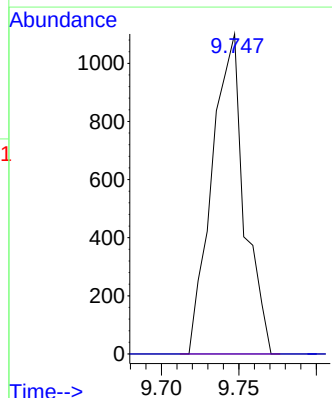
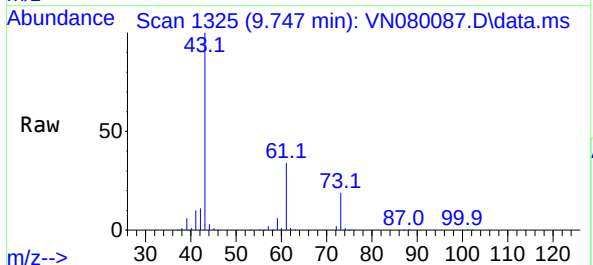
Instrument :
MSVOA_N
ClientSampleId :

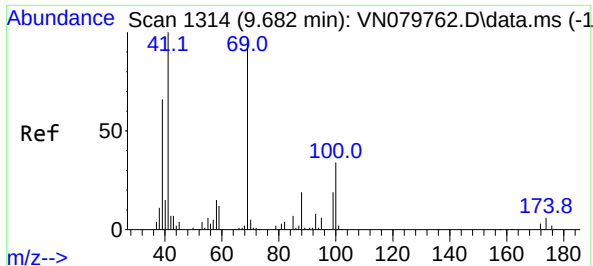
Tgt Ion: 43 Resp: 141586
Ion Ratio Lower Upper
43 100
61 20.5 24.7 37.1#
87 15.1 14.6 21.8



#45
1,2-Dichloropropane
Concen: 0.586 ug/l
RT: 9.747 min Scan# 1325
Delta R.T. 0.124 min
Lab File: VN080087.D
Acq: 14 Nov 2023 14:27

Tgt Ion: 63 Resp: 1597
Ion Ratio Lower Upper
63 100
65 0.0 23.9 35.9#





#48

Methyl methacrylate

Concen: 1.523 ug/l

RT: 9.671 min Scan# 1312

Delta R.T. -0.012 min

Lab File: VN080087.D

Acq: 14 Nov 2023 14:27

Instrument :

MSVOA_N

ClientSampleId :

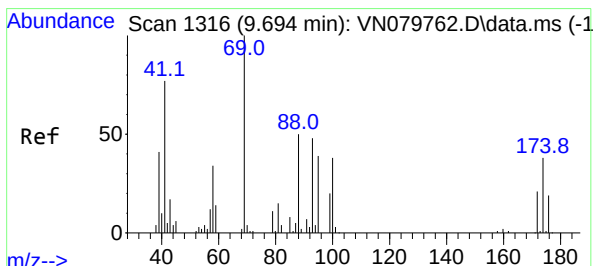
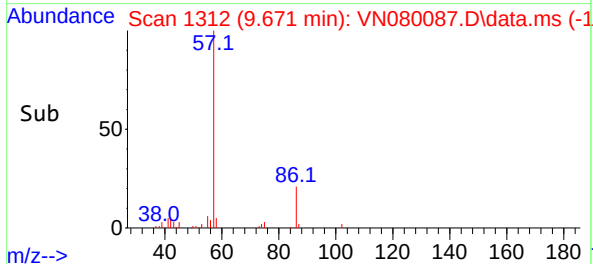
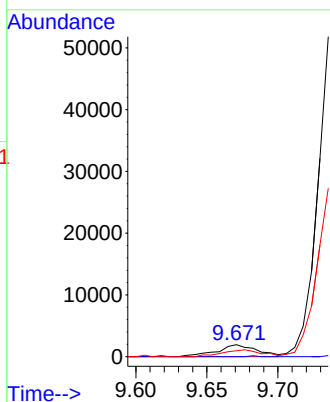
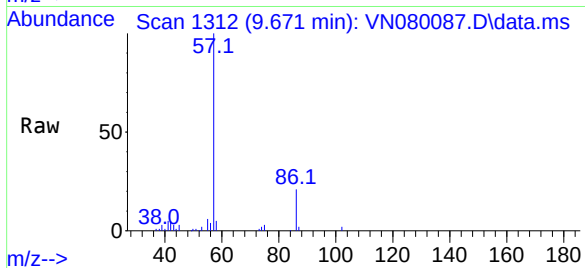
Tgt Ion: 41 Resp: 3823

Ion Ratio Lower Upper

41 100

69 1.4 90.4 135.6#

39 55.2 54.6 81.8



#49

1,4-Dioxane

Concen: 1.556 ug/l

RT: 9.700 min Scan# 1317

Delta R.T. 0.006 min

Lab File: VN080087.D

Acq: 14 Nov 2023 14:27

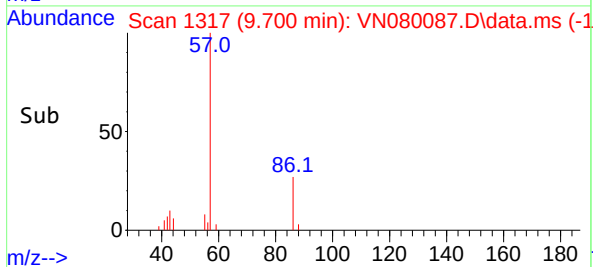
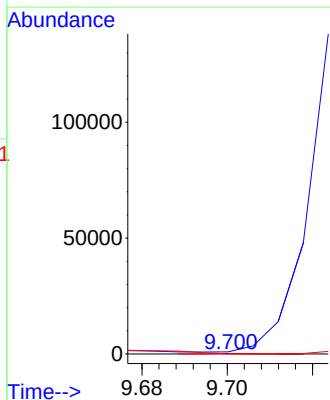
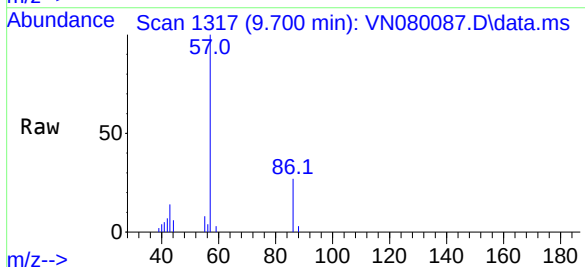
Tgt Ion: 88 Resp: 69

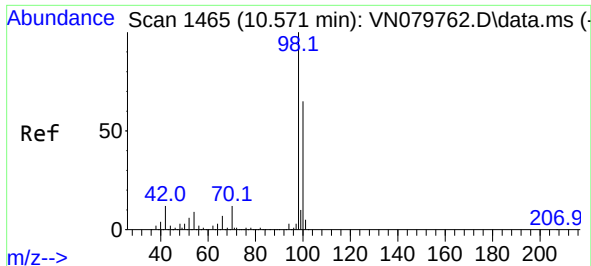
Ion Ratio Lower Upper

88 100

43 0.0 17.0 25.6#

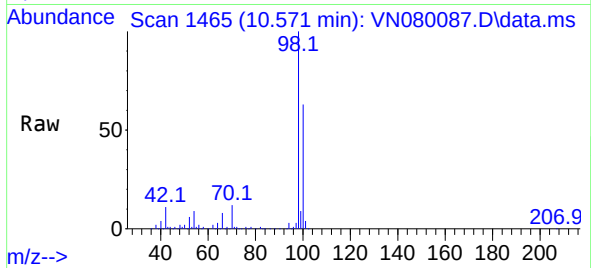
58 0.0 47.0 70.4#



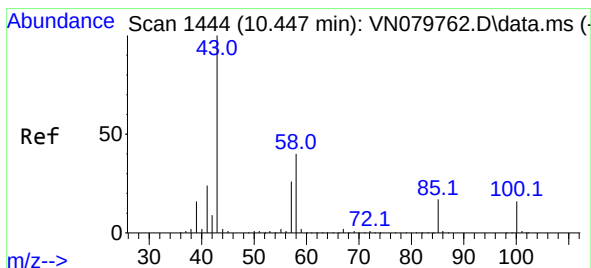
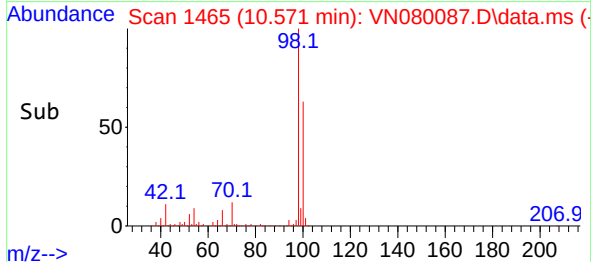
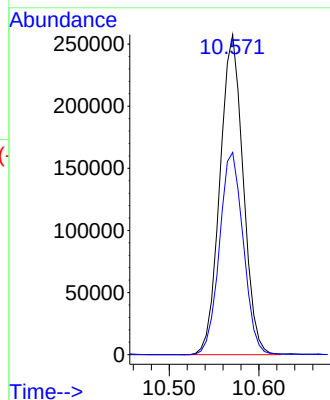


#50
Toluene-d8
Concen: 50.431 ug/l
RT: 10.571 min Scan# 1465
Delta R.T. 0.000 min
Lab File: VN080087.D
Acq: 14 Nov 2023 14:27

Instrument :
MSVOA_N
ClientSampleId :

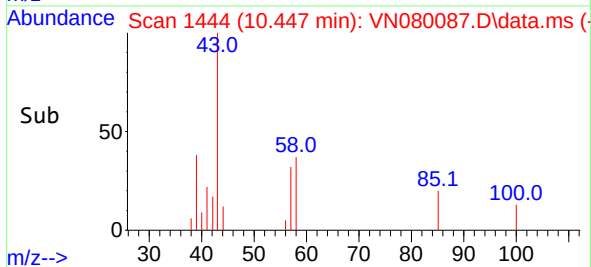
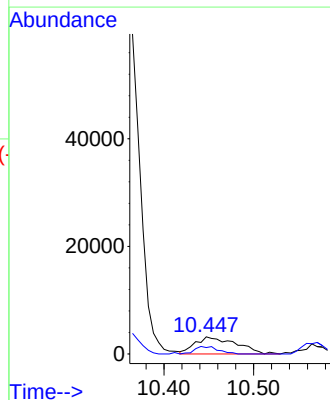
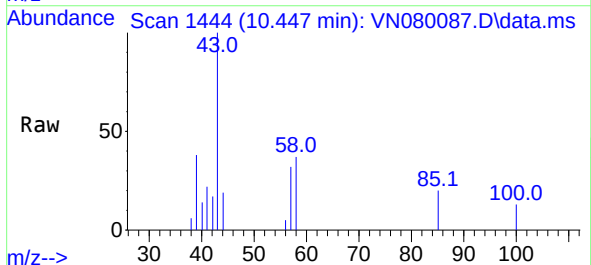


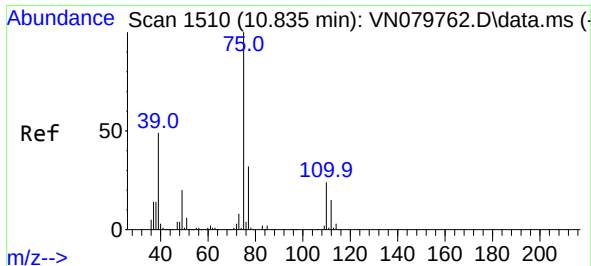
Tgt Ion: 98 Resp: 463160
Ion Ratio Lower Upper
98 100
100 64.7 52.0 78.0



#51
4-Methyl-2-Pentanone
Concen: 3.129 ug/l
RT: 10.447 min Scan# 1444
Delta R.T. 0.000 min
Lab File: VN080087.D
Acq: 14 Nov 2023 14:27

Tgt Ion: 43 Resp: 10093
Ion Ratio Lower Upper
43 100
58 24.8 36.6 54.8#

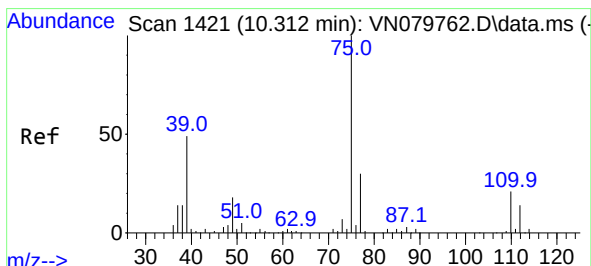
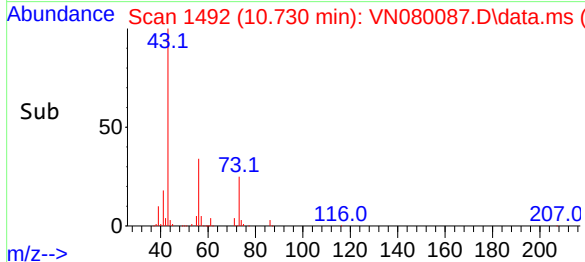
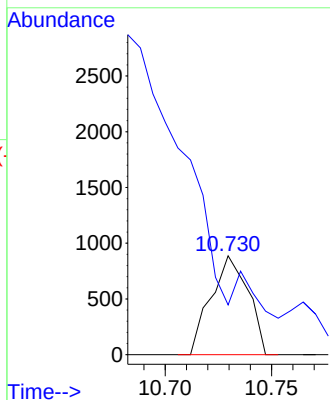
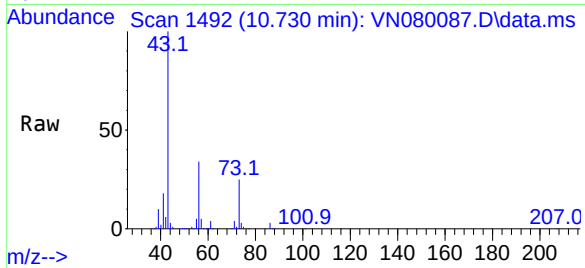




#53
t-1,3-Dichloropropene
Concen: 0.278 ug/l
RT: 10.730 min Scan# 1492
Delta R.T. -0.112 min
Lab File: VN080087.D
Acq: 14 Nov 2023 14:27

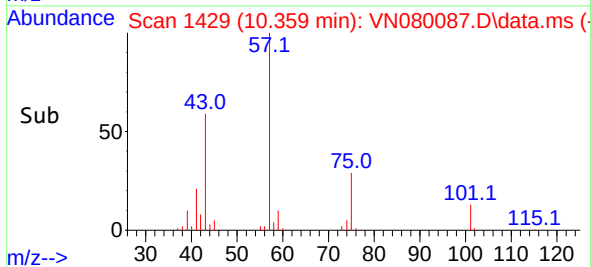
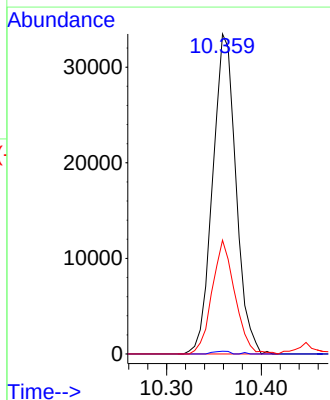
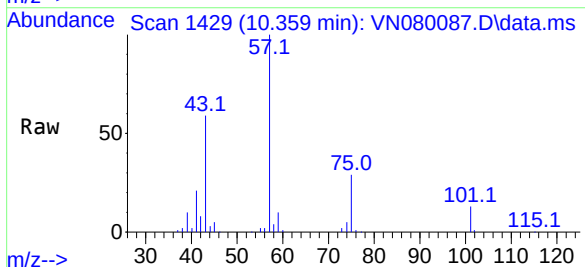
Instrument :
MSVOA_N
ClientSampleId :

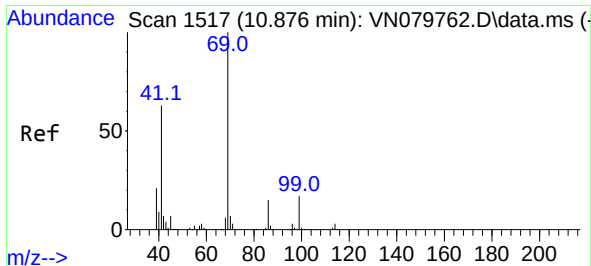
Tgt Ion: 75 Resp: 1081
Ion Ratio Lower Upper
75 100
77 13.4 25.4 38.0#



#54
cis-1,3-Dichloropropene
Concen: 13.476 ug/l
RT: 10.359 min Scan# 1429
Delta R.T. 0.041 min
Lab File: VN080087.D
Acq: 14 Nov 2023 14:27

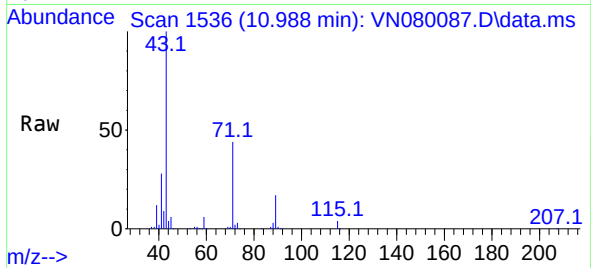
Tgt Ion: 75 Resp: 57172
Ion Ratio Lower Upper
75 100
77 0.9 26.1 39.1#
39 35.5 31.6 47.4



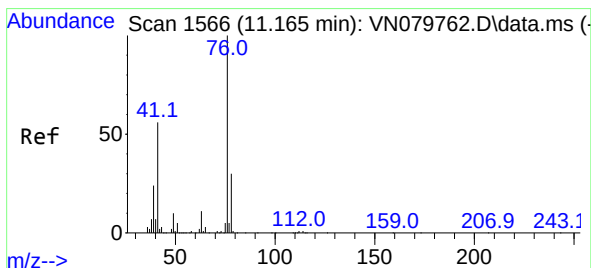
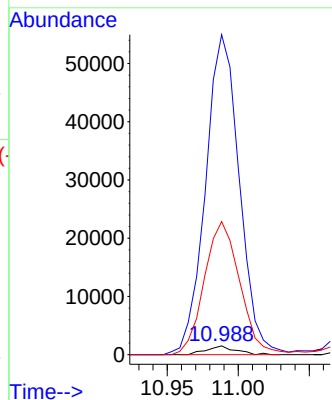
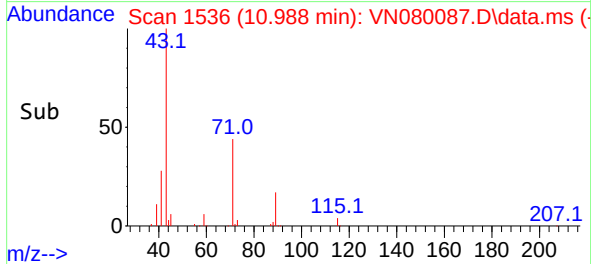


#56
Ethyl methacrylate
Concen: 0.595 ug/l
RT: 10.988 min Scan# 1536
Delta R.T. 0.112 min
Lab File: VN080087.D
Acq: 14 Nov 2023 14:27

Instrument :
MSVOA_N
ClientSampleId :

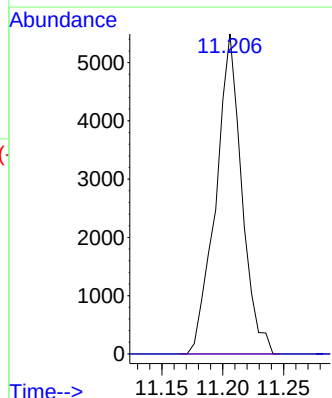
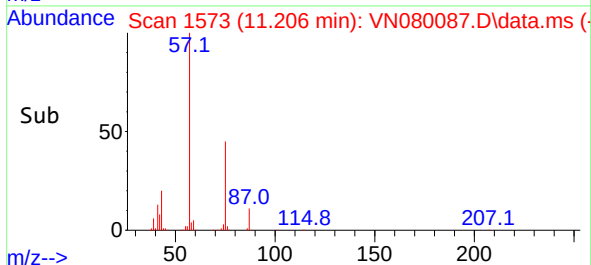
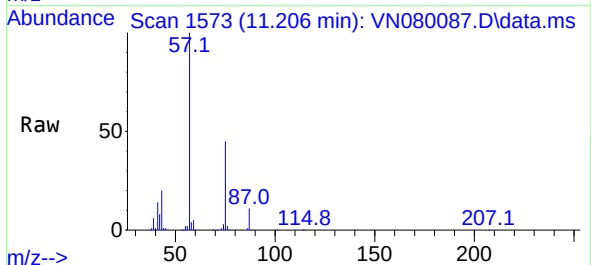


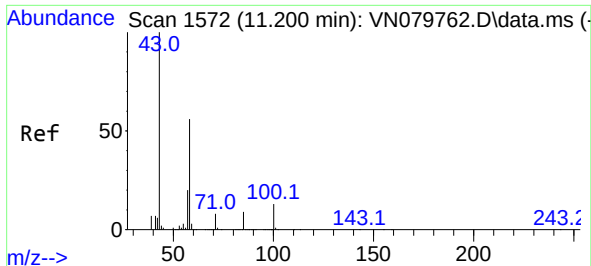
Tgt Ion: 69 Resp: 2159
Ion Ratio Lower Upper
69 100
41 4229.6 39.6 59.4#
39 1840.5 28.6 43.0#



#57
1,3-Dichloropropane
Concen: 1.817 ug/l
RT: 11.206 min Scan# 1573
Delta R.T. 0.041 min
Lab File: VN080087.D
Acq: 14 Nov 2023 14:27

Tgt Ion: 76 Resp: 8149
Ion Ratio Lower Upper
76 100
78 0.0 26.1 39.1#

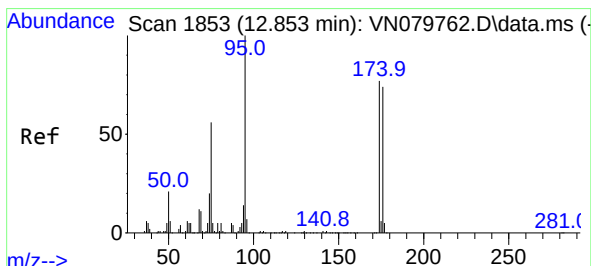
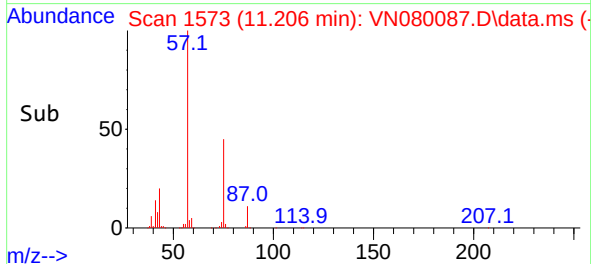
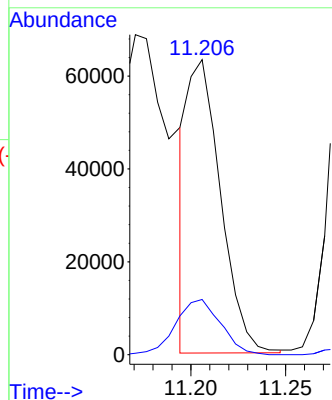
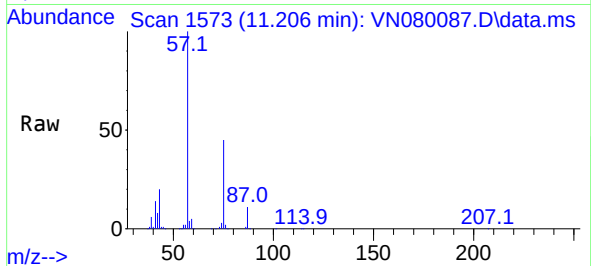




#59
2-Hexanone
Concen: 31.071 ug/l
RT: 11.206 min Scan# 1573
Delta R.T. 0.006 min
Lab File: VN080087.D
Acq: 14 Nov 2023 14:27

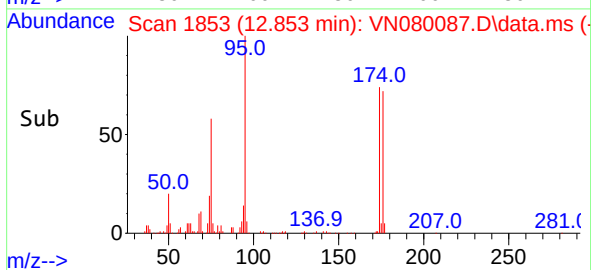
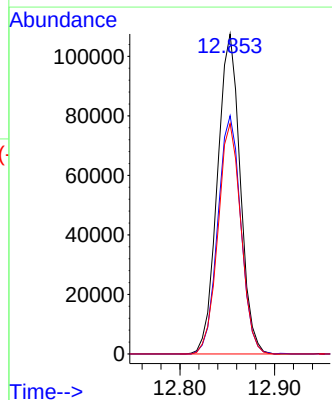
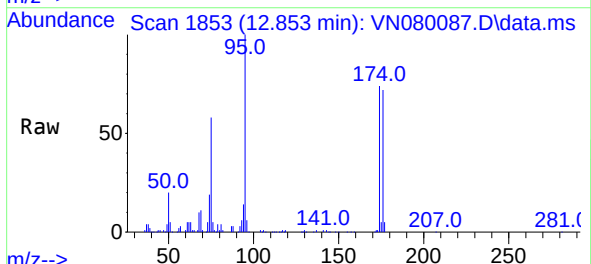
Instrument :
MSVOA_N
ClientSampleId :

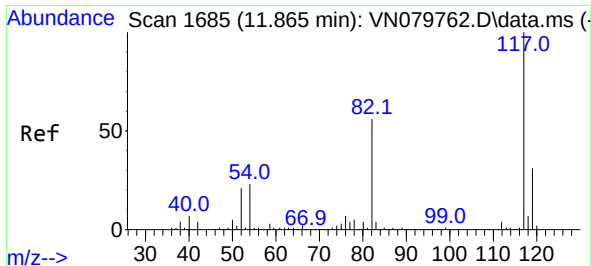
Tgt Ion: 43 Resp: 76665
Ion Ratio Lower Upper
43 100
58 25.7 31.7 95.1#



#62
4-Bromofluorobenzene
Concen: 58.988 ug/l
RT: 12.853 min Scan# 1853
Delta R.T. 0.000 min
Lab File: VN080087.D
Acq: 14 Nov 2023 14:27

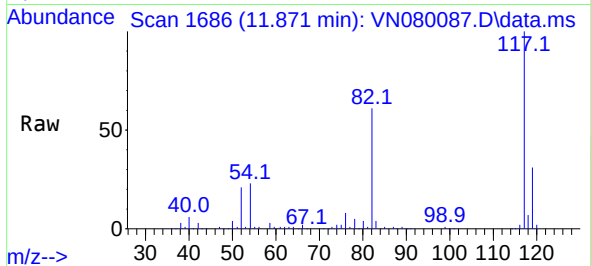
Tgt Ion: 95 Resp: 179671
Ion Ratio Lower Upper
95 100
174 75.1 0.0 143.8
176 72.3 0.0 135.8



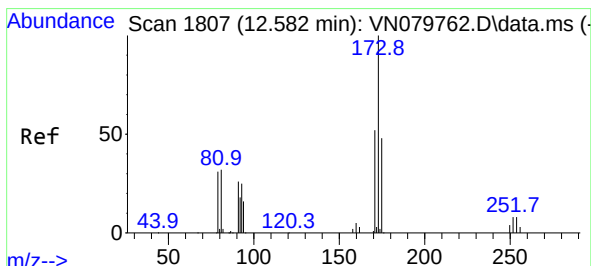
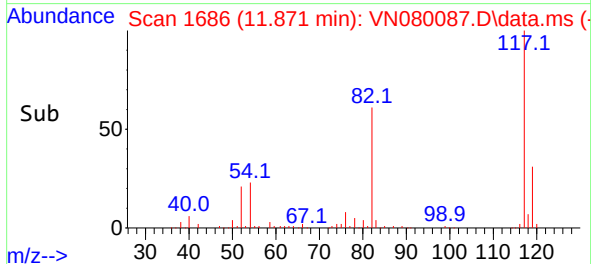
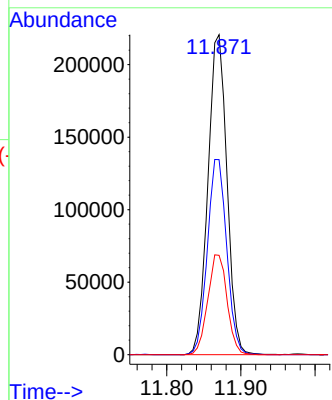


#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.871 min Scan# 11
Delta R.T. 0.000 min
Lab File: VN080087.D
Acq: 14 Nov 2023 14:27

Instrument :
MSVOA_N
ClientSampleId :

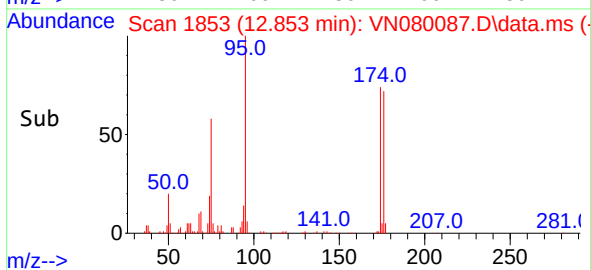
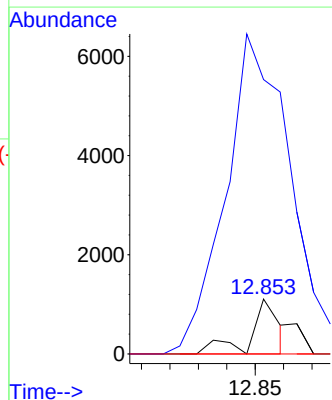
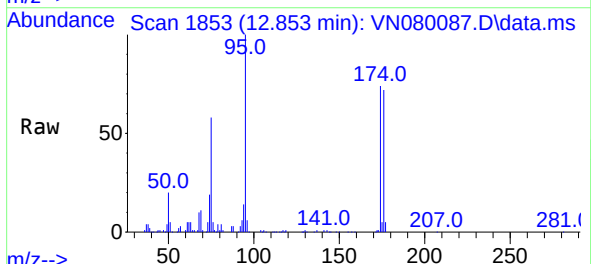


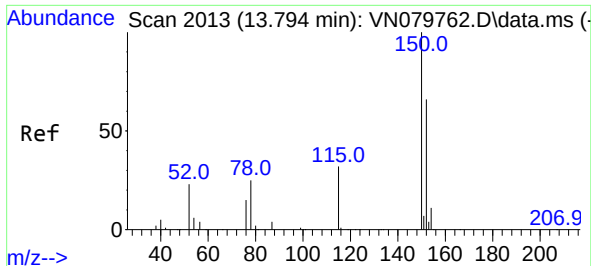
Tgt Ion:117 Resp: 392776
Ion Ratio Lower Upper
117 100
82 60.9 44.0 66.0
119 31.1 25.6 38.4



#71
Bromoform
Concen: 0.355 ug/l
RT: 12.853 min Scan# 1853
Delta R.T. 0.271 min
Lab File: VN080087.D
Acq: 14 Nov 2023 14:27

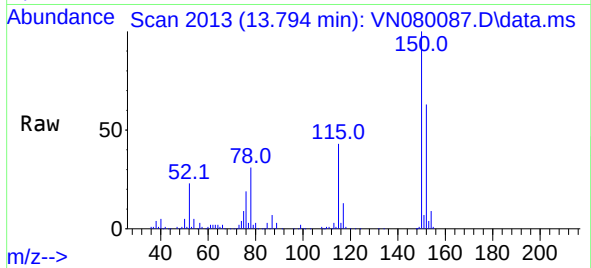
Tgt Ion:173 Resp: 773
Ion Ratio Lower Upper
173 100
175 1096.0 24.3 73.0#
254 0.0 0.0 0.0



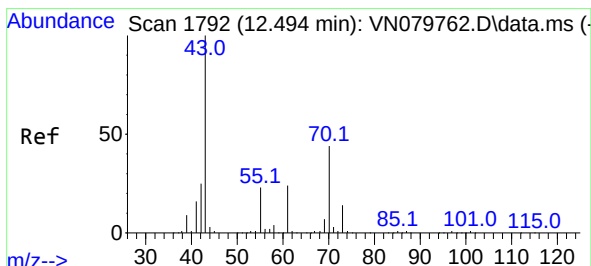
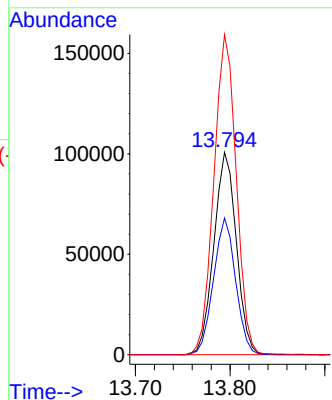
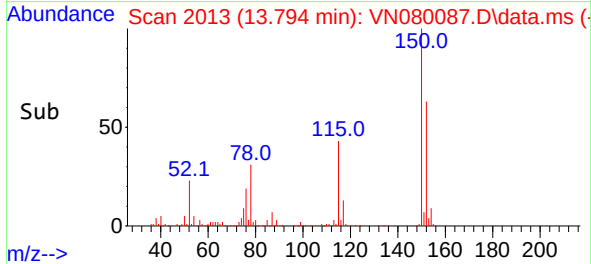


#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 13.794 min Scan# 20
Delta R.T. 0.000 min
Lab File: VN080087.D
Acq: 14 Nov 2023 14:27

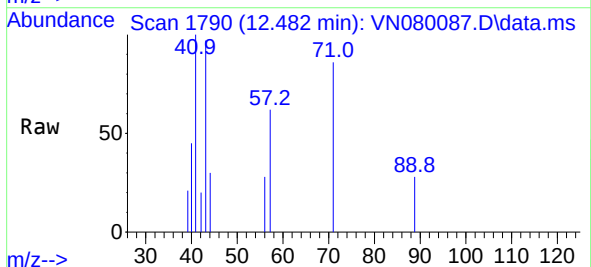
Instrument :
MSVOA_N
ClientSampleId :



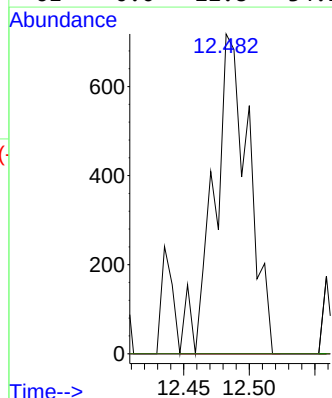
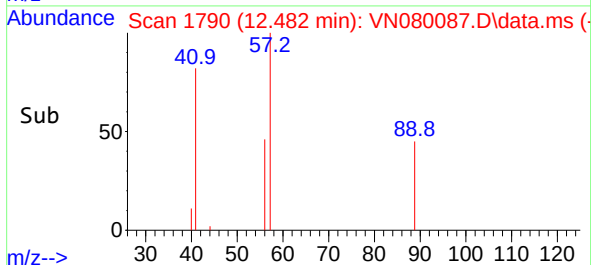
Tgt Ion:152 Resp: 166645
Ion Ratio Lower Upper
152 100
115 66.4 32.3 96.8
150 157.4 0.0 355.8

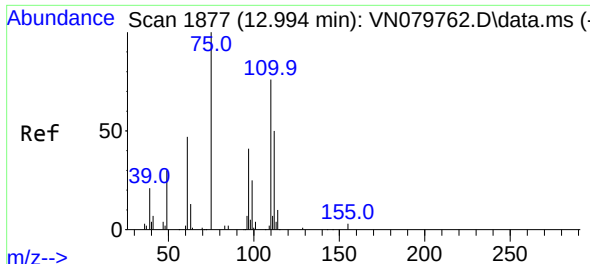


#74
N-ethyl acetate
Concen: 0.240 ug/l
RT: 12.482 min Scan# 1790
Delta R.T. -0.012 min
Lab File: VN080087.D
Acq: 14 Nov 2023 14:27



Tgt Ion: 43 Resp: 1327
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#

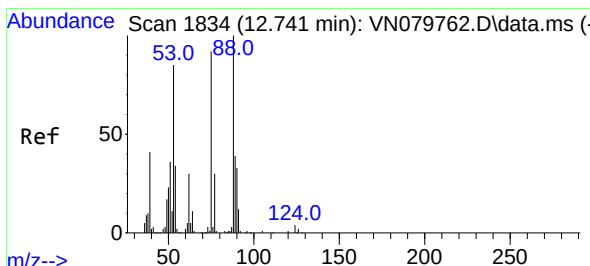
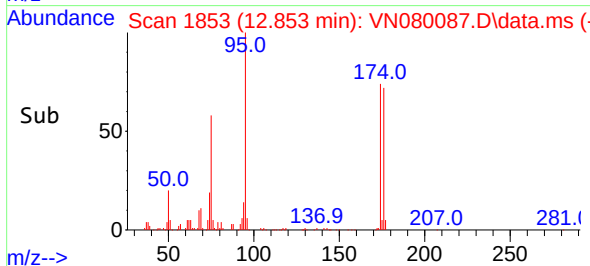
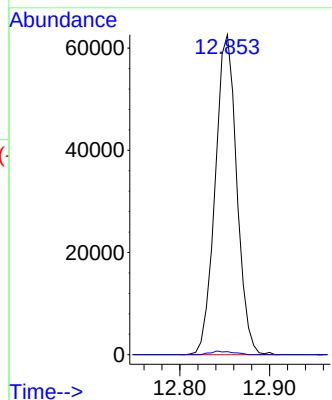
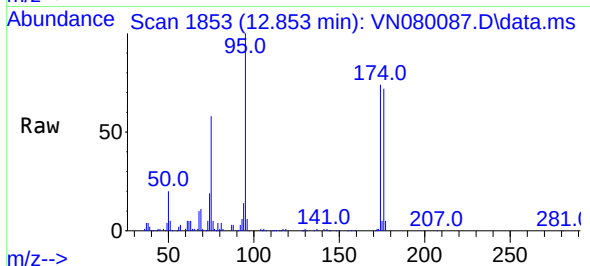




#76
1,2,3-Trichloropropane
Concen: 26.717 ug/l
RT: 12.853 min Scan# 1853
Delta R.T. -0.141 min
Lab File: VN080087.D
Acq: 14 Nov 2023 14:27

Instrument :
MSVOA_N
ClientSampleId :

Tgt Ion: 75 Resp: 104525
Ion Ratio Lower Upper
75 100
77 1.2 84.5 253.5#



#81
trans-1,4-Dichloro-2-butene
Concen: 72.690 ug/l
RT: 12.853 min Scan# 1853
Delta R.T. 0.118 min
Lab File: VN080087.D
Acq: 14 Nov 2023 14:27

Tgt Ion: 75 Resp: 104525
Ion Ratio Lower Upper
75 100
53 0.1 67.4 101.2#
89 0.0 38.8 58.2#

