

Data Path : Z:\voasrv\HPCHEM1\MSVOA_N\Data\VN111423\
 Data File : VN080093.D
 Acq On : 14 Nov 2023 16:50
 Operator : JC\MD
 Sample : 05376-06
 Misc : 5.0mL/MSVOA_N/WATER
 ALS Vial : 16 Sample Multiplier: 1

Instrument :
 MSVOA_N
 ClientSampleId :

Quant Time: Nov 15 03:57:28 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

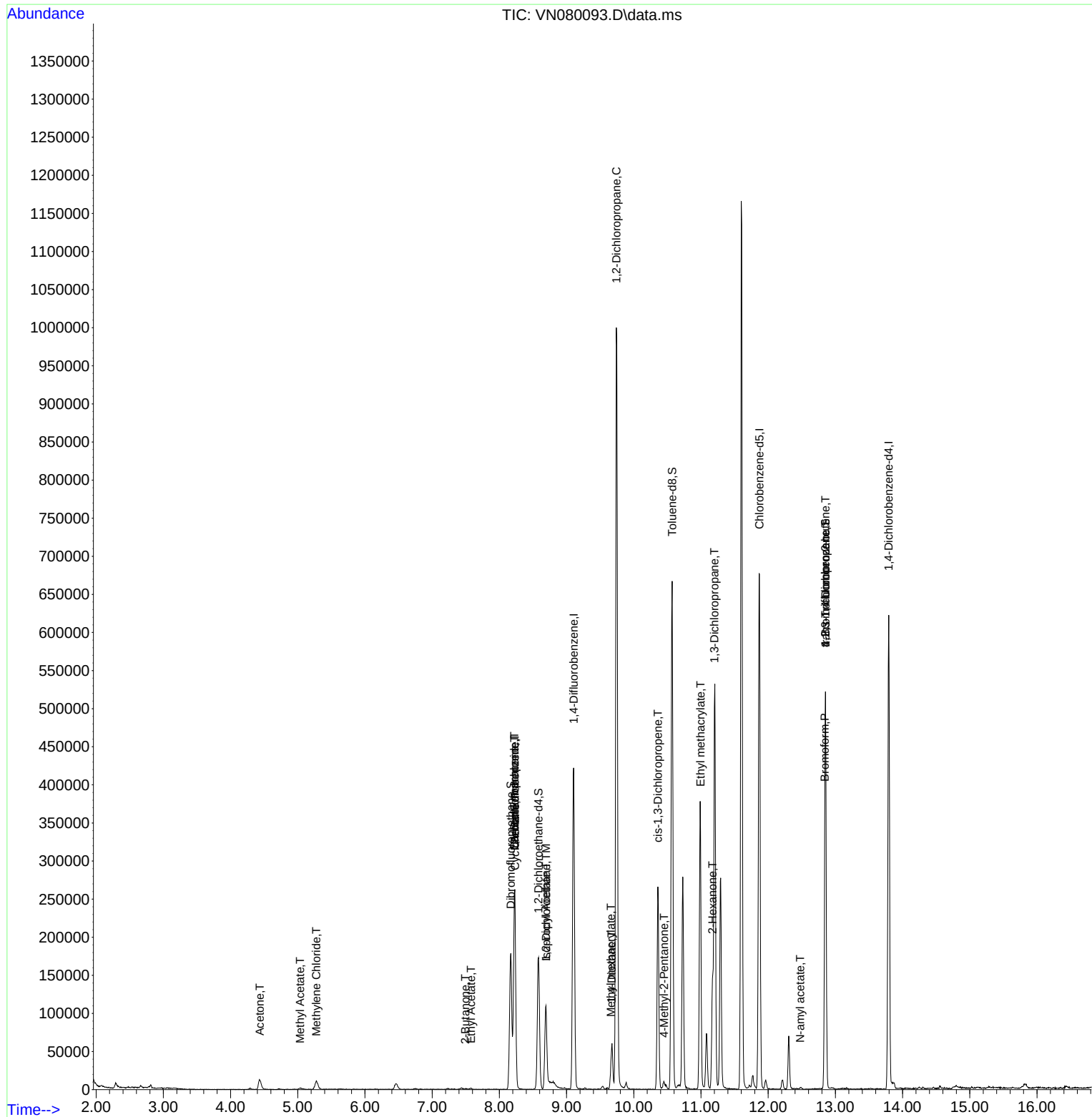
Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)

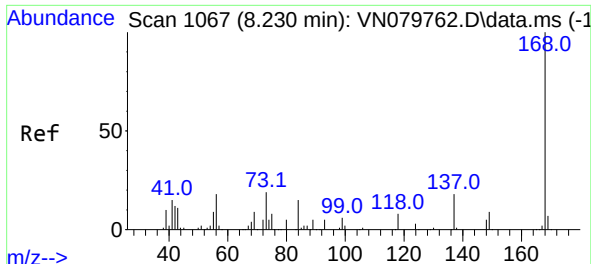
Internal Standards						
1) Pentafluorobenzene	8.230	168	180060	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	9.106	114	346602	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.871	117	384045	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.794	152	162129	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.583	65	159174	58.023	ug/l	0.00
Spiked Amount 50.000	Range 74 - 125		Recovery = 116.040%			
35) Dibromofluoromethane	8.171	113	125721	51.250	ug/l	0.00
Spiked Amount 50.000	Range 75 - 124		Recovery = 102.500%			
50) Toluene-d8	10.571	98	458237	50.742	ug/l	0.00
Spiked Amount 50.000	Range 86 - 113		Recovery = 101.480%			
62) 4-Bromofluorobenzene	12.853	95	177608	59.300	ug/l	0.00
Spiked Amount 50.000	Range 83 - 123		Recovery = 118.600%			
Target Compounds						Qvalue
3) Chloromethane	2.365	50	368	Below Cal		91
16) Acetone	4.436	43	24790	25.726	ug/l	91
18) Methyl Acetate	5.036	43	2656	0.576	ug/l #	69
20) Methylene Chloride	5.277	84	9227	3.795	ug/l #	85
25) 2-Butanone	7.494	43	1260	0.893	ug/l #	71
31) Cyclohexane	8.236	56	4299	1.186	ug/l #	50
36) 1,1-Dichloropropene	8.224	75	16364	4.672	ug/l #	48
37) Ethyl Acetate	7.577	43	2545	0.792	ug/l #	75
38) Carbon Tetrachloride	8.224	117	21880	6.198	ug/l #	15
42) 1,2-Dichloroethane	8.694	62	797	0.217	ug/l #	73
43) Isopropyl Acetate	8.694	43	126500	22.455	ug/l #	83
45) 1,2-Dichloropropane	9.741	63	1388	0.518	ug/l #	45
48) Methyl methacrylate	9.659	41	3483	1.412	ug/l #	28
49) 1,4-Dioxane	9.671	88	91	2.087	ug/l #	1
51) 4-Methyl-2-Pentanone	10.453	43	6199	1.955	ug/l	90
54) cis-1,3-Dichloropropene	10.359	75	49429	11.849	ug/l #	66
56) Ethyl methacrylate	10.994	69	1861	0.522	ug/l #	1
57) 1,3-Dichloropropane	11.200	76	5688	1.290	ug/l #	42
59) 2-Hexanone	11.171	43	105107	43.321	ug/l #	19
71) Bromoform	12.841	173	453	0.213	ug/l #	1
74) N-amyl acetate	12.476	43	2050	0.382	ug/l #	46
76) 1,2,3-Trichloropropane	12.853	75	101785	26.741	ug/l #	1
81) trans-1,4-Dichloro-2-b...	12.853	75	101785	72.756	ug/l #	15

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

Instrument :
MSVOA_N
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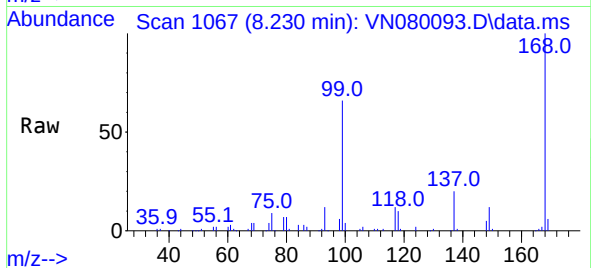
Instrument :
MSVOA_N
ClientSampleId :



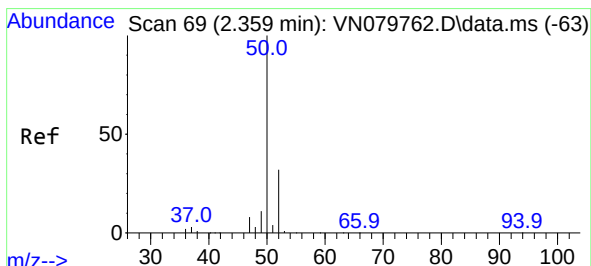
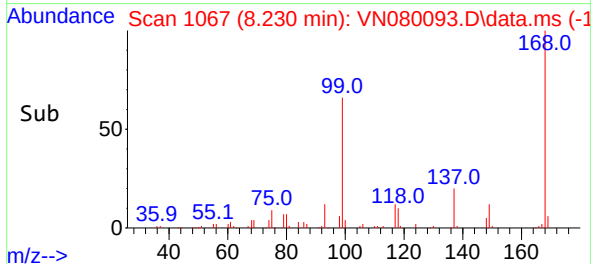
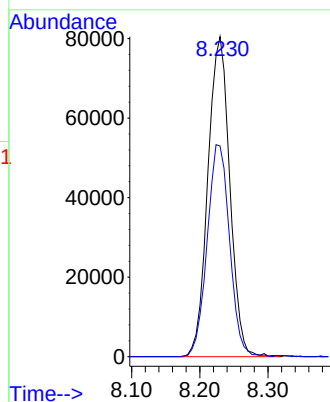


#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 8.230 min Scan# 10
Delta R.T. 0.001 min
Lab File: VN080093.D
Acq: 14 Nov 2023 16:50

Instrument :
MSVOA_N
ClientSampleId :

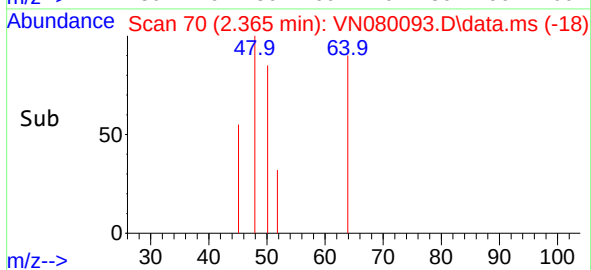
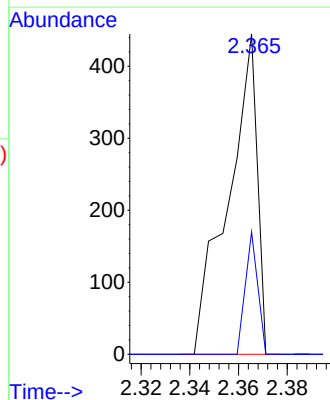
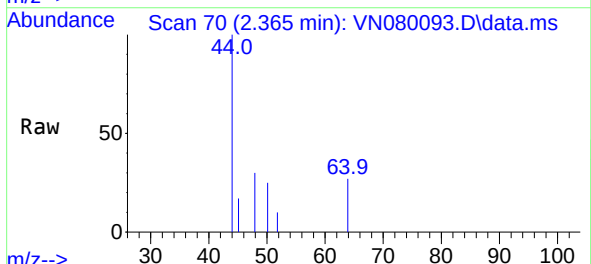


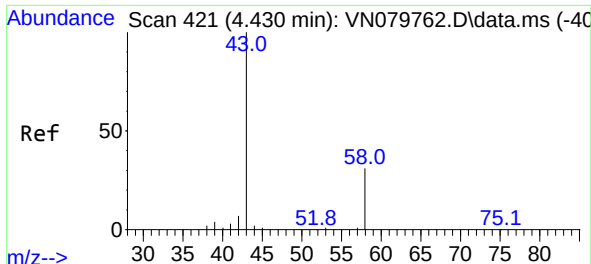
Tgt Ion:168 Resp: 180060
Ion Ratio Lower Upper
168 100
99 65.8 53.0 79.6



#3
Chloromethane
Concen: Below Cal
RT: 2.365 min Scan# 70
Delta R.T. 0.006 min
Lab File: VN080093.D
Acq: 14 Nov 2023 16:50

Tgt Ion: 50 Resp: 368
Ion Ratio Lower Upper
50 100
52 38.2 26.5 39.7

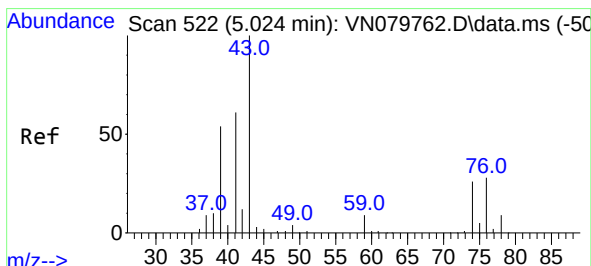
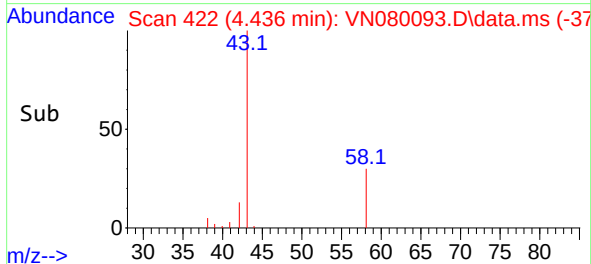
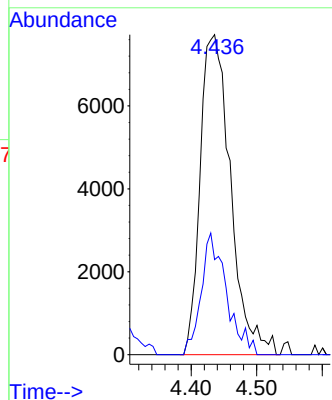
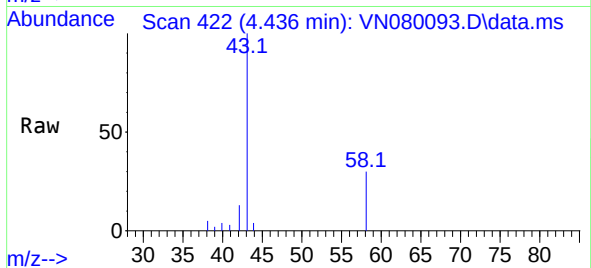




#16
Acetone
Concen: 25.726 ug/l
RT: 4.436 min Scan# 41
Delta R.T. 0.006 min
Lab File: VN080093.D
Acq: 14 Nov 2023 16:50

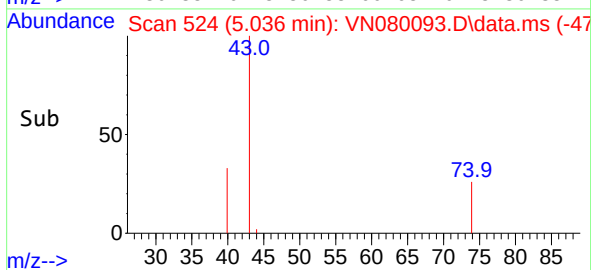
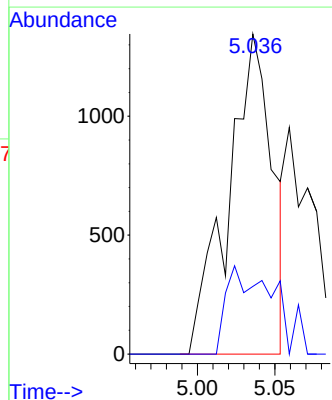
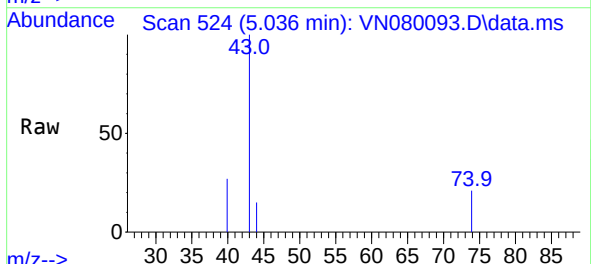
Instrument :
MSVOA_N
ClientSampleId :

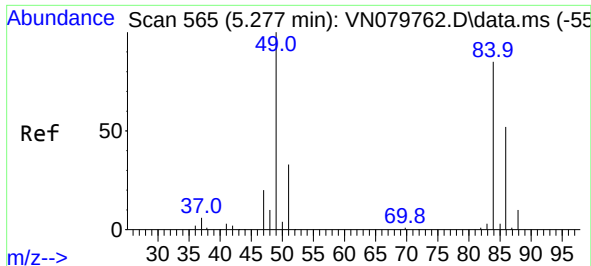
Tgt Ion: 43 Resp: 24790
Ion Ratio Lower Upper
43 100
58 29.7 28.0 42.0



#18
Methyl Acetate
Concen: 0.576 ug/l
RT: 5.036 min Scan# 524
Delta R.T. 0.012 min
Lab File: VN080093.D
Acq: 14 Nov 2023 16:50

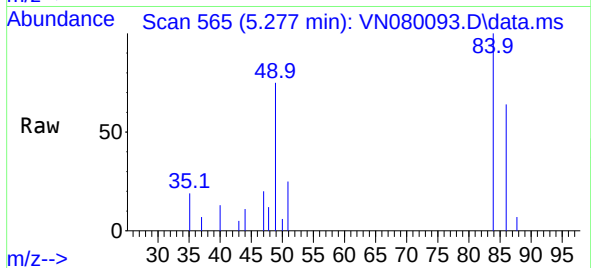
Tgt Ion: 43 Resp: 2656
Ion Ratio Lower Upper
43 100
74 15.5 26.2 39.4#





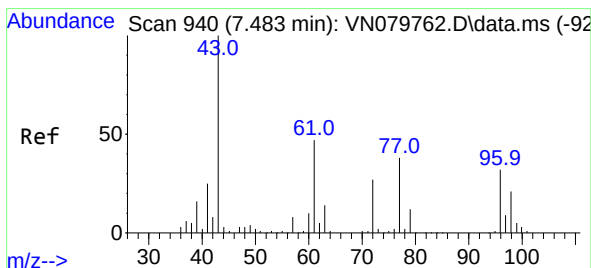
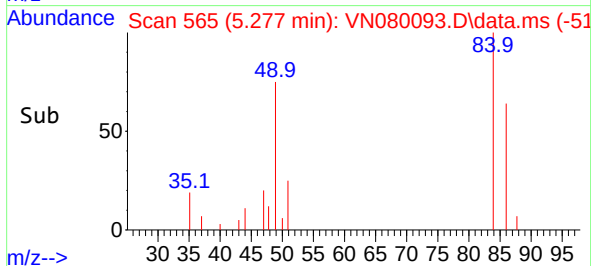
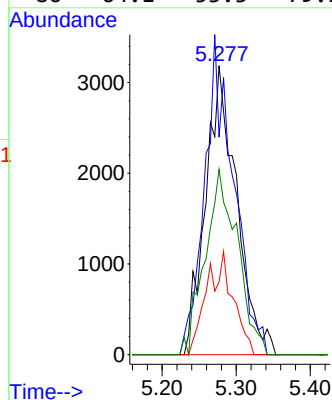
#20
Methylene Chloride
Concen: 3.795 ug/l
RT: 5.277 min Scan# 501
Delta R.T. 0.006 min
Lab File: VN080093.D
Acq: 14 Nov 2023 16:50

Instrument :
MSVOA_N
ClientSampleId :



Tgt Ion: 84 Resp: 9227

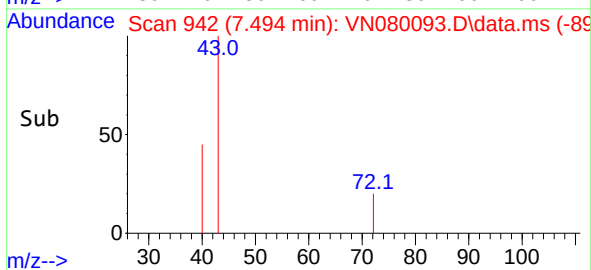
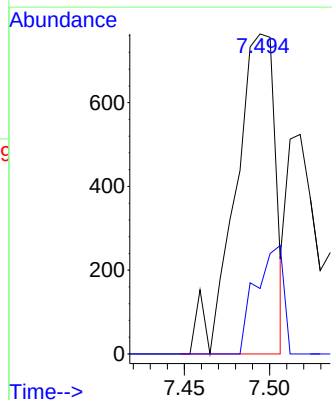
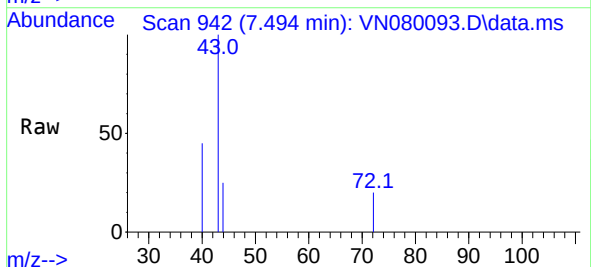
Ion	Ratio	Lower	Upper
84	100		
49	75.3	79.7	119.5#
51	25.2	25.2	37.8
86	64.1	53.3	79.9

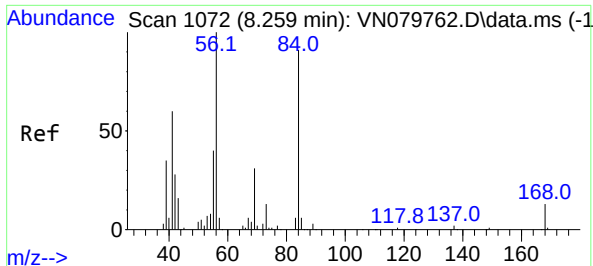


#25
2-Butanone
Concen: 0.893 ug/l
RT: 7.494 min Scan# 942
Delta R.T. 0.006 min
Lab File: VN080093.D
Acq: 14 Nov 2023 16:50

Tgt Ion: 43 Resp: 1260

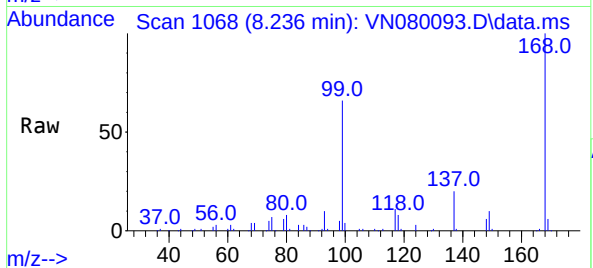
Ion	Ratio	Lower	Upper
43	100		
72	20.4	30.2	45.2#



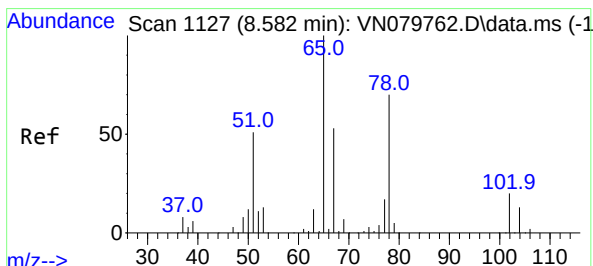
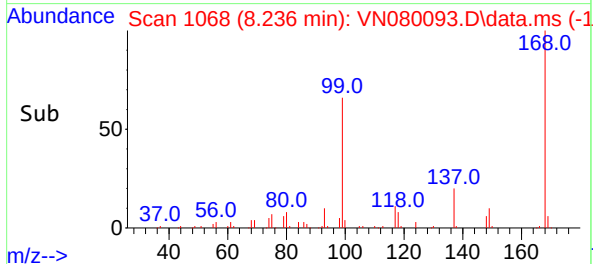
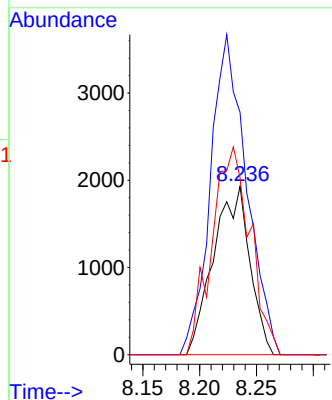


#31
Cyclohexane
Concen: 1.186 ug/l
RT: 8.236 min Scan# 1068
Delta R.T. -0.023 min
Lab File: VN080093.D
Acq: 14 Nov 2023 16:50

Instrument :
MSVOA_N
ClientSampleId :

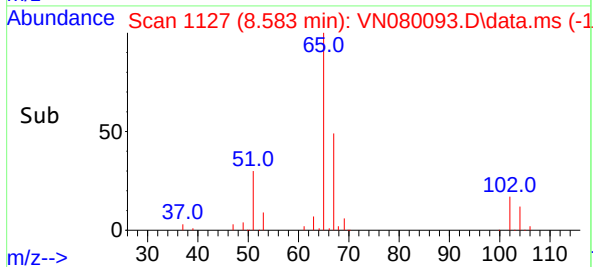
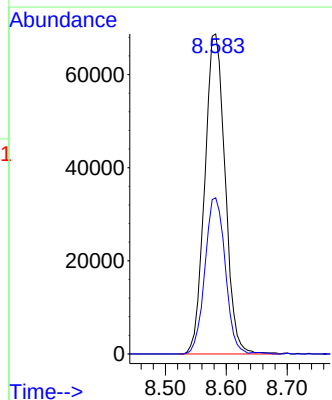
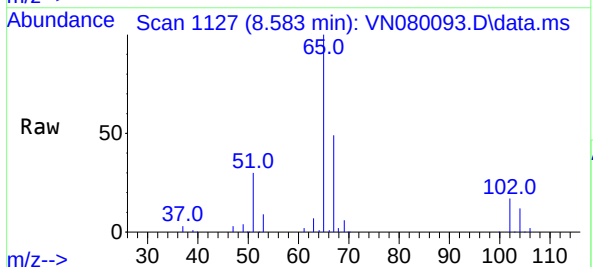


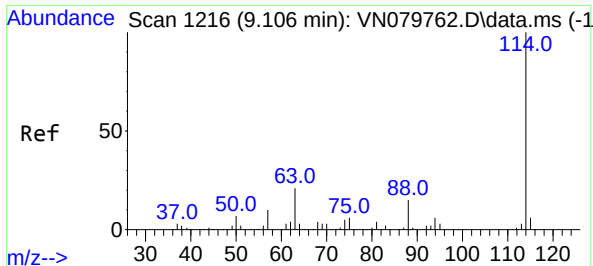
Tgt Ion: 56 Resp: 4299
Ion Ratio Lower Upper
56 100
69 144.0 26.8 40.2#
84 105.1 81.8 122.6



#33
1,2-Dichloroethane-d4
Concen: 58.023 ug/l
RT: 8.583 min Scan# 1127
Delta R.T. 0.000 min
Lab File: VN080093.D
Acq: 14 Nov 2023 16:50

Tgt Ion: 65 Resp: 159174
Ion Ratio Lower Upper
65 100
67 48.8 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: VN080093.D

Acq: 14 Nov 2023 16:50

Instrument :

MSVOA_N

ClientSampleId :

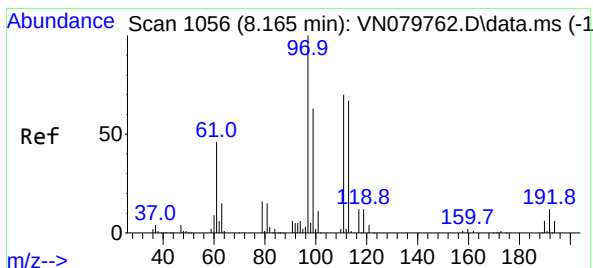
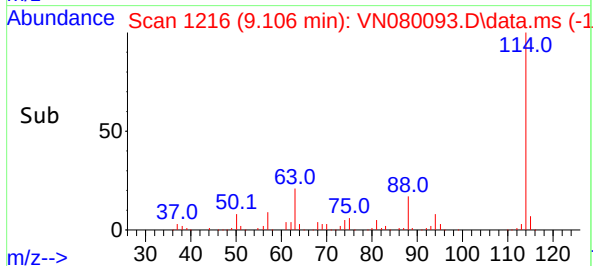
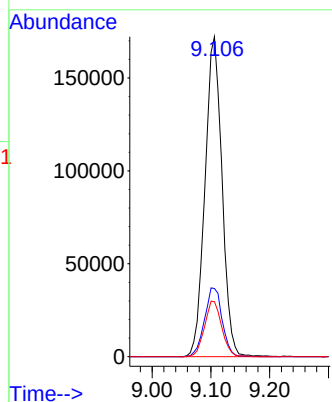
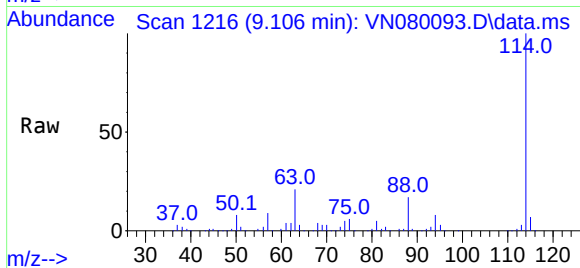
Tgt Ion:114 Resp: 346602

Ion Ratio Lower Upper

114 100

63 21.3 0.0 36.4

88 17.2 0.0 30.6



#35

Dibromofluoromethane

Concen: 51.250 ug/l

RT: 8.171 min Scan# 1057

Delta R.T. 0.000 min

Lab File: VN080093.D

Acq: 14 Nov 2023 16:50

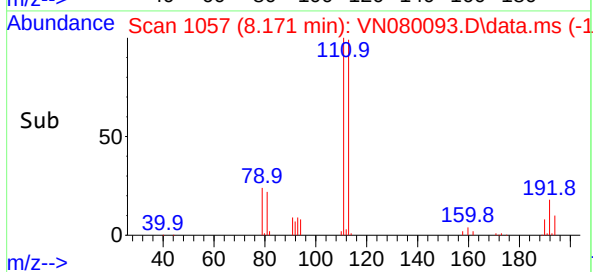
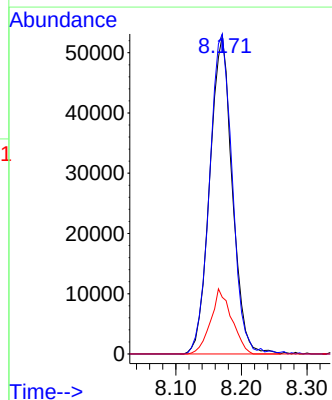
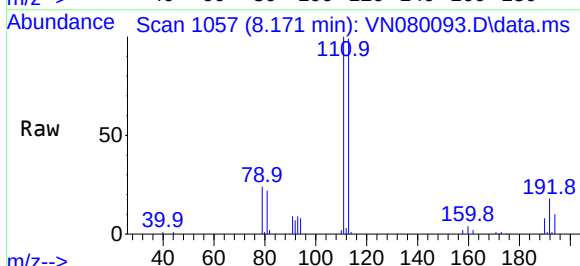
Tgt Ion:113 Resp: 125721

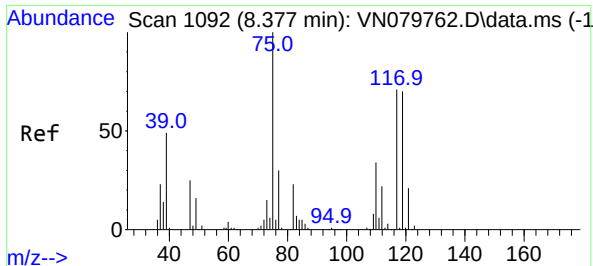
Ion Ratio Lower Upper

113 100

111 101.6 82.6 123.8

192 19.1 12.7 19.1#





#36

1,1-Dichloropropene

Concen: 4.672 ug/l

RT: 8.224 min Scan# 1066

Delta R.T. -0.153 min

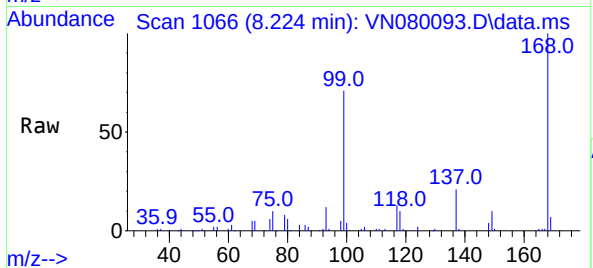
Lab File: VN080093.D

Acq: 14 Nov 2023 16:50

Instrument :

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ClientSampleId :



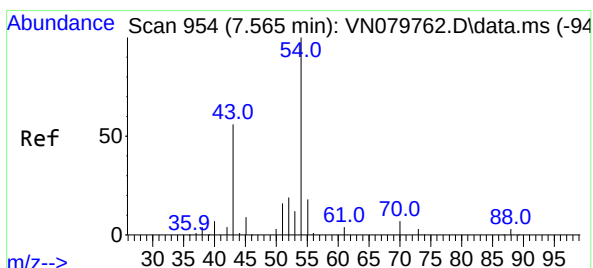
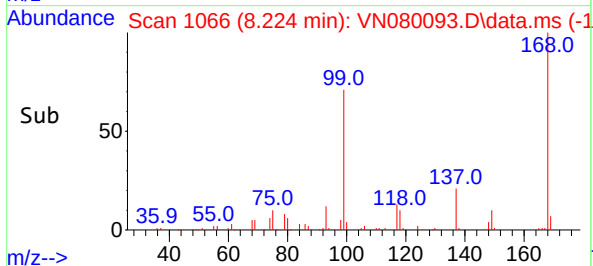
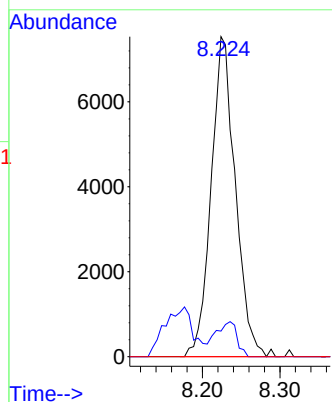
Tgt Ion: 75 Resp: 16364

Ion Ratio Lower Upper

75 100

110 9.5 19.1 57.3#

77 0.0 25.0 37.4#



#37

Ethyl Acetate

Concen: 0.792 ug/l

RT: 7.577 min Scan# 956

Delta R.T. 0.012 min

Lab File: VN080093.D

Acq: 14 Nov 2023 16:50

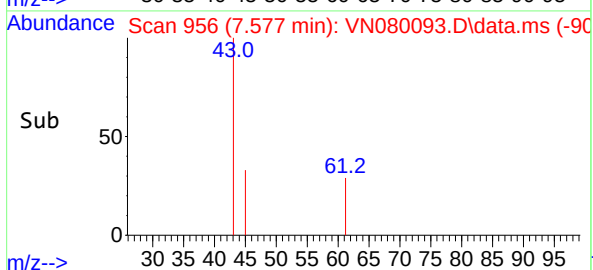
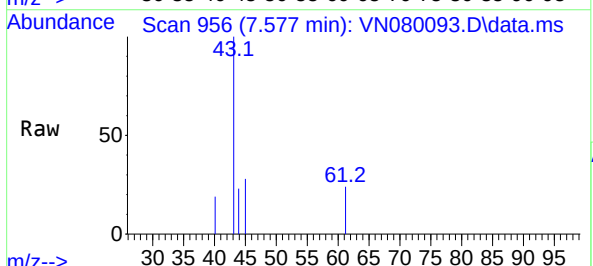
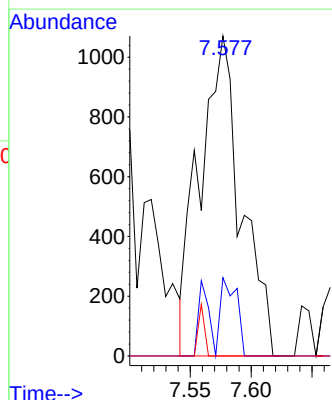
Tgt Ion: 43 Resp: 2545

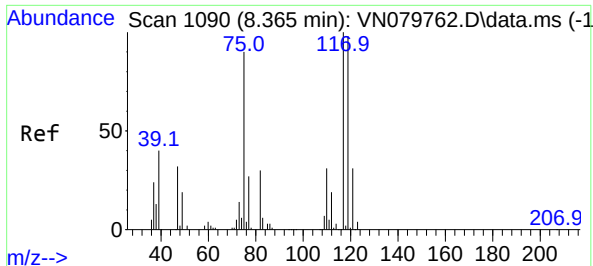
Ion Ratio Lower Upper

43 100

61 9.5 13.2 19.8#

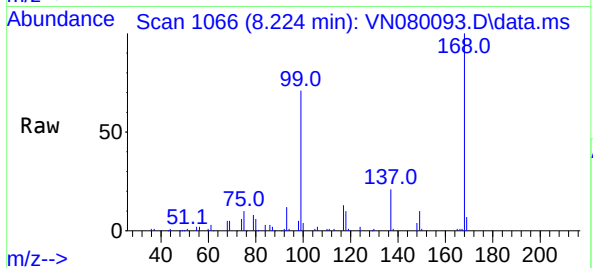
70 0.0 11.3 16.9#



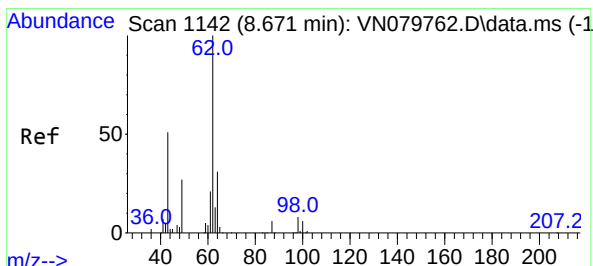
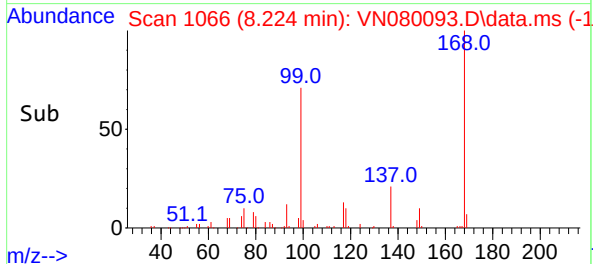
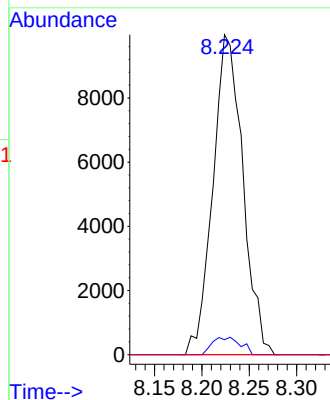


#38
Carbon Tetrachloride
Concen: 6.198 ug/l
RT: 8.224 min Scan# 110
Delta R.T. -0.135 min
Lab File: VN080093.D
Acq: 14 Nov 2023 16:50

Instrument :
MSVOA_N
ClientSampleId :

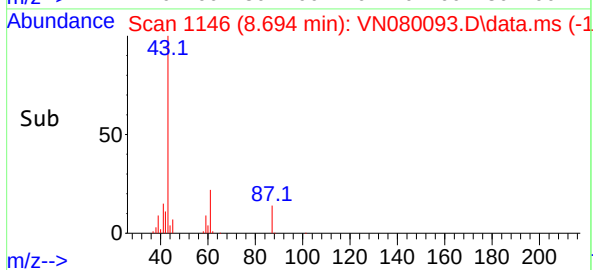
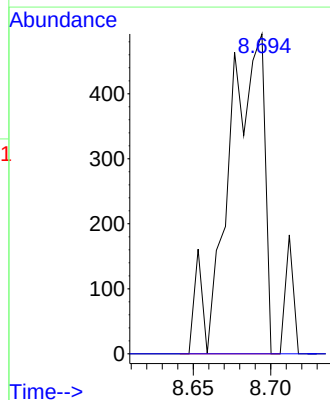
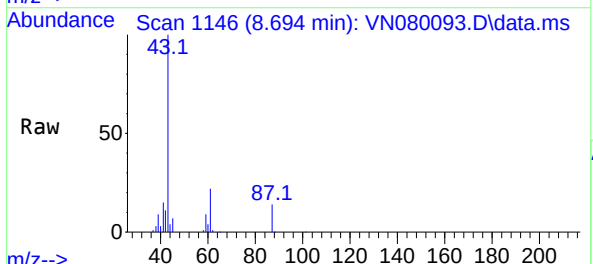


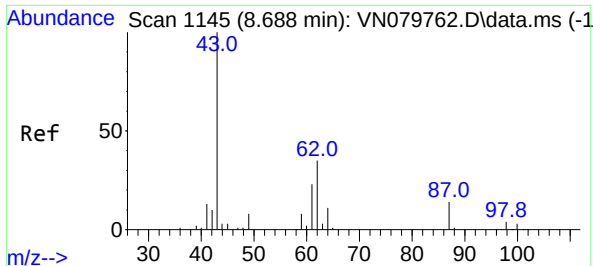
Tgt Ion:117 Resp: 21880
Ion Ratio Lower Upper
117 100
119 4.7 77.3 115.9#
121 0.0 23.3 34.9#



#42
1,2-Dichloroethane
Concen: 0.217 ug/l
RT: 8.694 min Scan# 1146
Delta R.T. 0.024 min
Lab File: VN080093.D
Acq: 14 Nov 2023 16:50

Tgt Ion: 62 Resp: 797
Ion Ratio Lower Upper
62 100
98 0.0 0.0 19.8

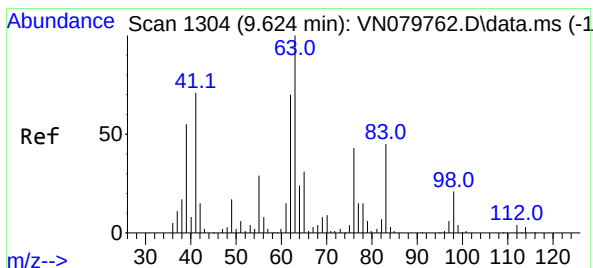
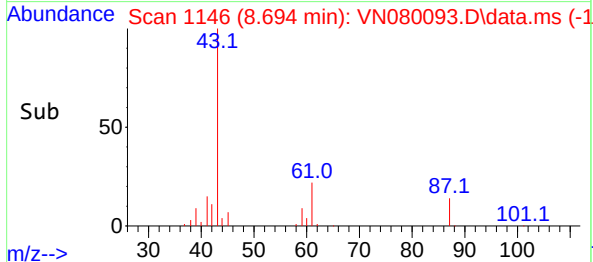
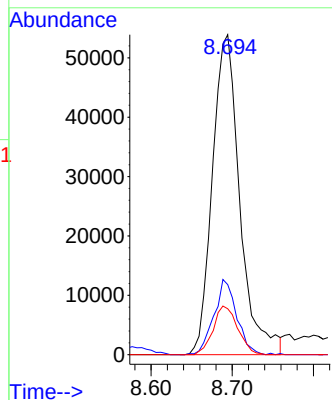
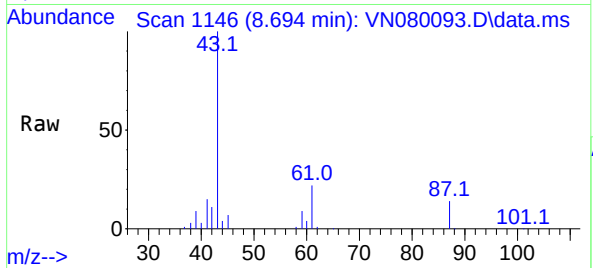




#43
Isopropyl Acetate
Concen: 22.455 ug/l
RT: 8.694 min Scan# 1145
Delta R.T. 0.006 min
Lab File: VN080093.D
Acq: 14 Nov 2023 16:50

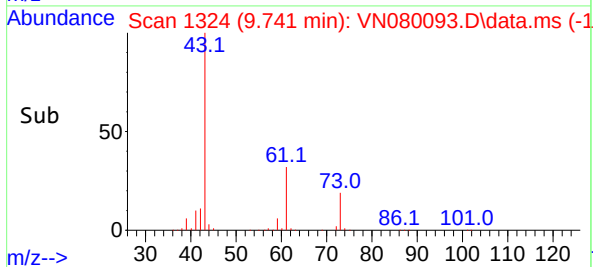
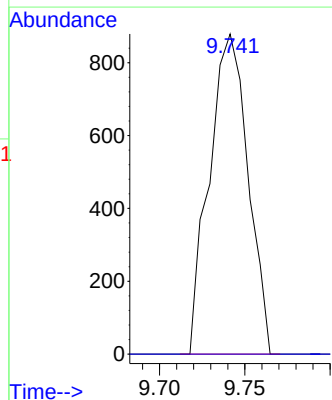
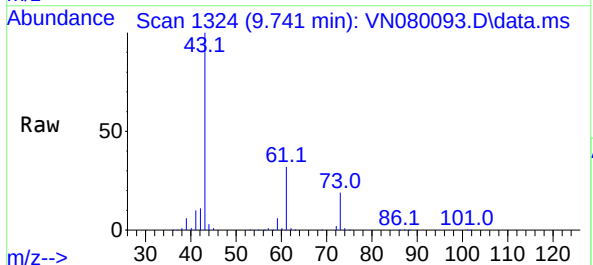
Instrument :
MSVOA_N
ClientSampleId :

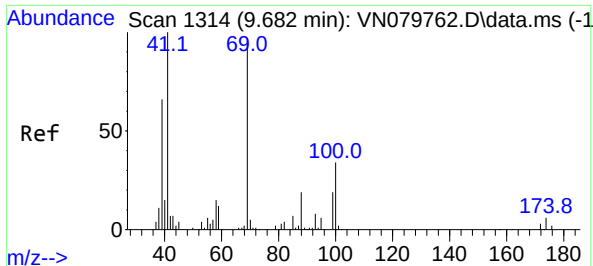
Tgt Ion: 43 Resp: 126500
Ion Ratio Lower Upper
43 100
61 19.5 24.7 37.1#
87 13.6 14.6 21.8#



#45
1,2-Dichloropropane
Concen: 0.518 ug/l
RT: 9.741 min Scan# 1324
Delta R.T. 0.118 min
Lab File: VN080093.D
Acq: 14 Nov 2023 16:50

Tgt Ion: 63 Resp: 1388
Ion Ratio Lower Upper
63 100
65 0.0 23.9 35.9#

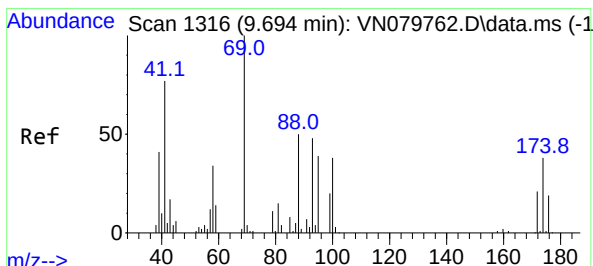
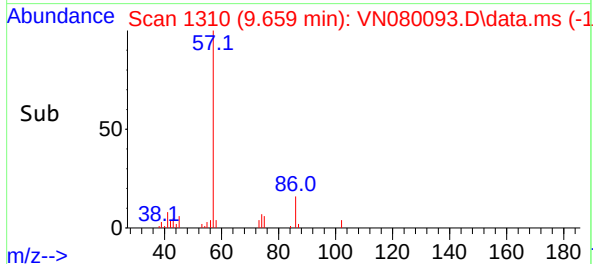
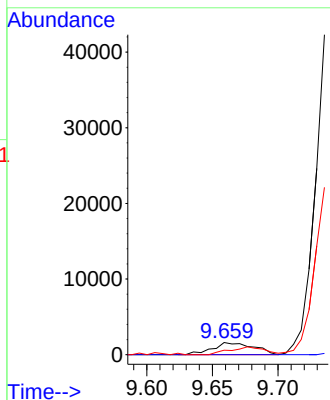
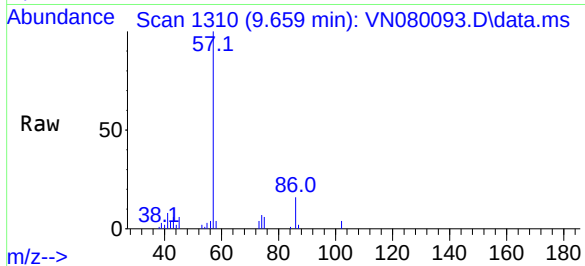




#48
Methyl methacrylate
Concen: 1.412 ug/l
RT: 9.659 min Scan# 11
Delta R.T. -0.023 min
Lab File: VN080093.D
Acq: 14 Nov 2023 16:50

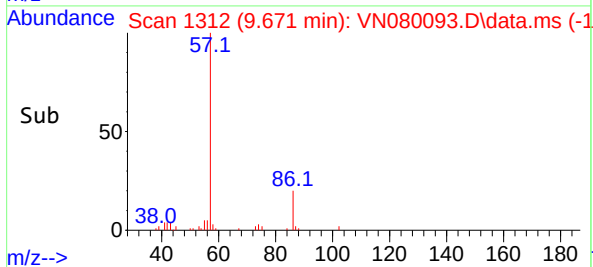
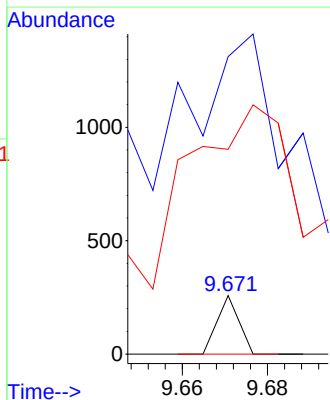
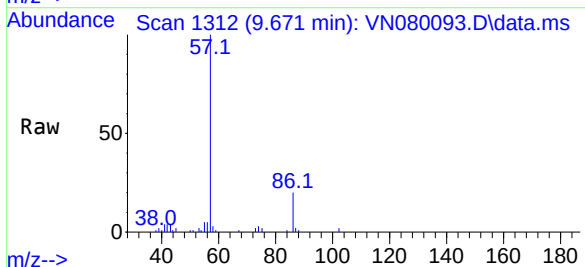
Instrument :
MSVOA_N
ClientSampleId :

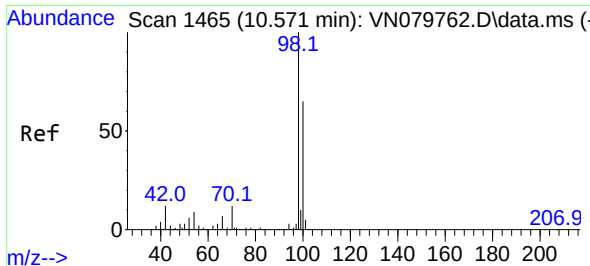
Tgt Ion: 41 Resp: 3483
Ion Ratio Lower Upper
41 100
69 0.0 90.4 135.6#
39 55.0 54.6 81.8



#49
1,4-Dioxane
Concen: 2.087 ug/l
RT: 9.671 min Scan# 1312
Delta R.T. -0.023 min
Lab File: VN080093.D
Acq: 14 Nov 2023 16:50

Tgt Ion: 88 Resp: 91
Ion Ratio Lower Upper
88 100
43 0.0 17.0 25.6#
58 2694.5 47.0 70.4#

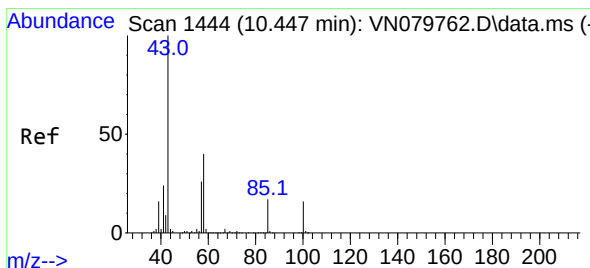
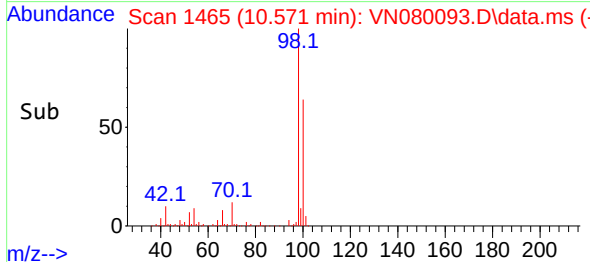
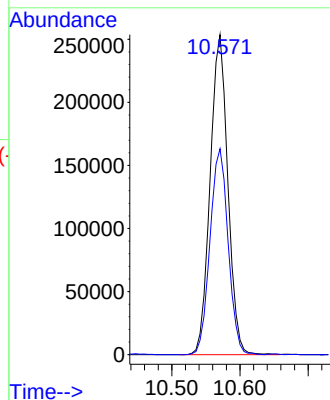
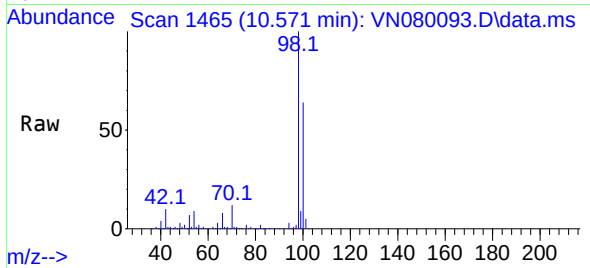




#50
Toluene-d8
Concen: 50.742 ug/l
RT: 10.571 min Scan# 1465
Delta R.T. 0.000 min
Lab File: VN080093.D
Acq: 14 Nov 2023 16:50

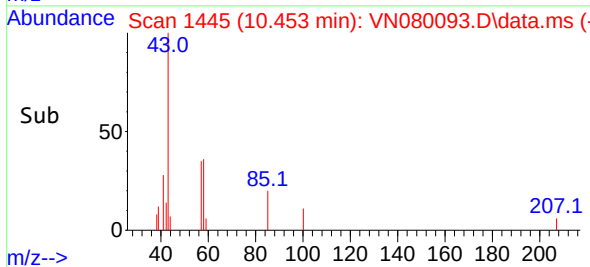
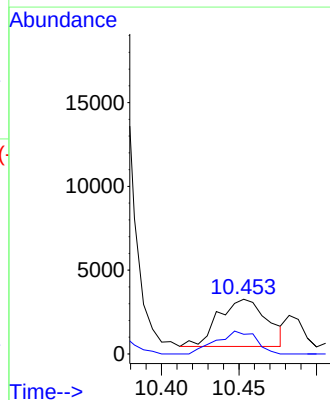
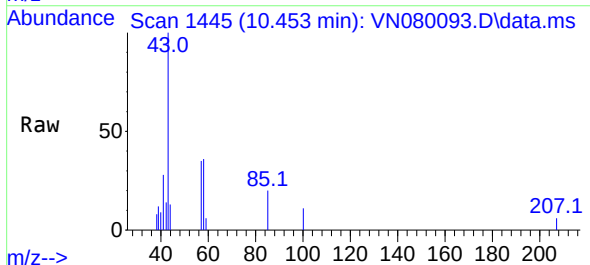
Instrument :
MSVOA_N
ClientSampleId :

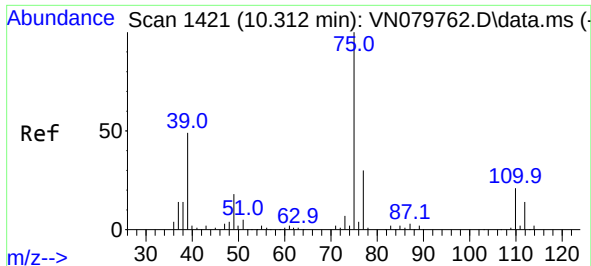
Tgt Ion: 98 Resp: 458237
Ion Ratio Lower Upper
98 100
100 66.0 52.0 78.0



#51
4-Methyl-2-Pentanone
Concen: 1.955 ug/l
RT: 10.453 min Scan# 1445
Delta R.T. 0.006 min
Lab File: VN080093.D
Acq: 14 Nov 2023 16:50

Tgt Ion: 43 Resp: 6199
Ion Ratio Lower Upper
43 100
58 39.2 36.6 54.8

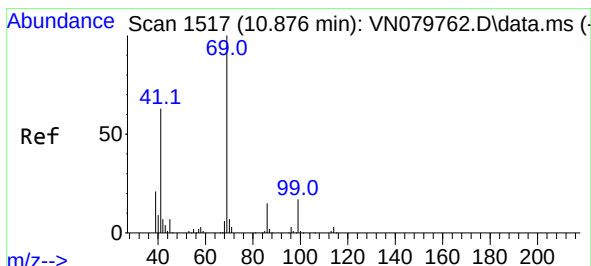
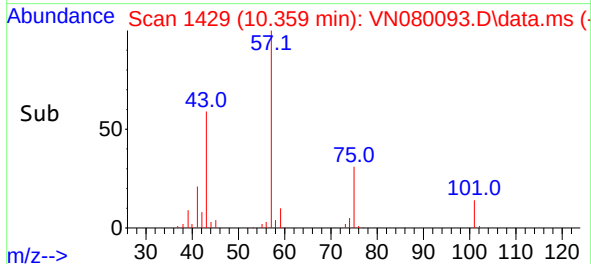
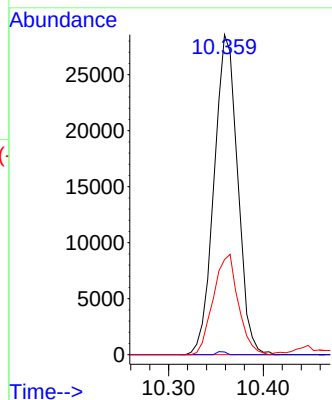
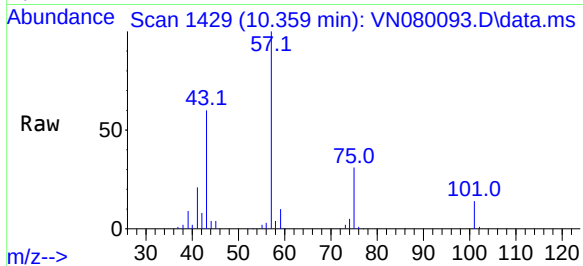




#54
 cis-1,3-Dichloropropene
 Concen: 11.849 ug/l
 RT: 10.359 min Scan# 1429
 Delta R.T. 0.041 min
 Lab File: VN080093.D
 Acq: 14 Nov 2023 16:50

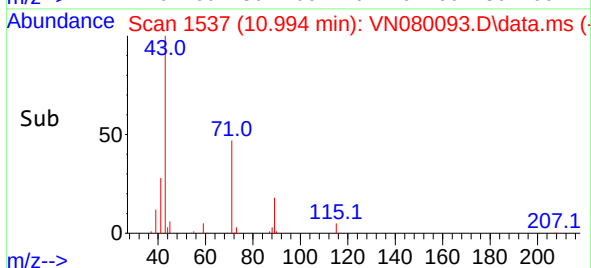
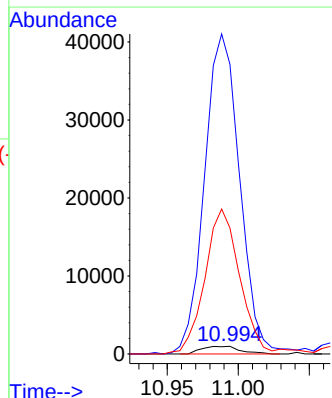
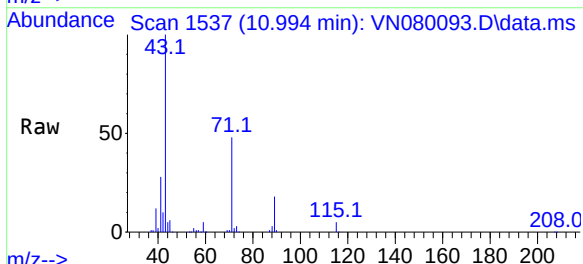
Instrument :
 MSVOA_N
 ClientSampleId :

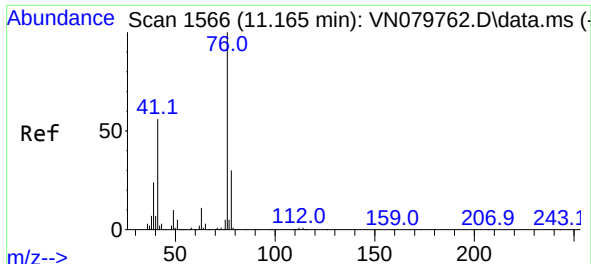
Tgt Ion: 75 Resp: 49429
 Ion Ratio Lower Upper
 75 100
 77 0.9 26.1 39.1#
 39 29.7 31.6 47.4#



#56
 Ethyl methacrylate
 Concen: 0.522 ug/l
 RT: 10.994 min Scan# 1537
 Delta R.T. 0.118 min
 Lab File: VN080093.D
 Acq: 14 Nov 2023 16:50

Tgt Ion: 69 Resp: 1861
 Ion Ratio Lower Upper
 69 100
 41 3807.0 39.6 59.4#
 39 1731.4 28.6 43.0#





#57

1,3-Dichloropropane

Concen: 1.290 ug/l

RT: 11.200 min Scan# 1567

Delta R.T. 0.035 min

Lab File: VN080093.D

Acq: 14 Nov 2023 16:50

Instrument :

MSVOA_N

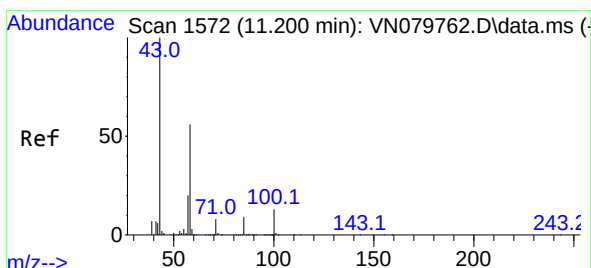
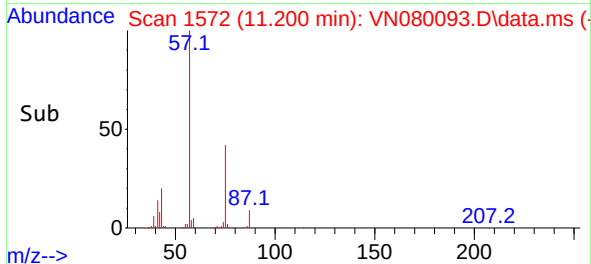
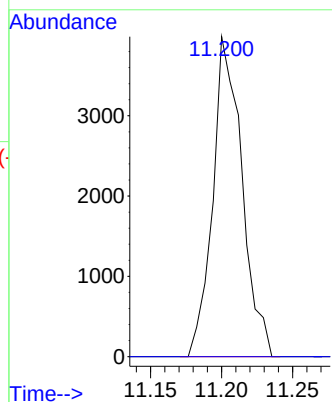
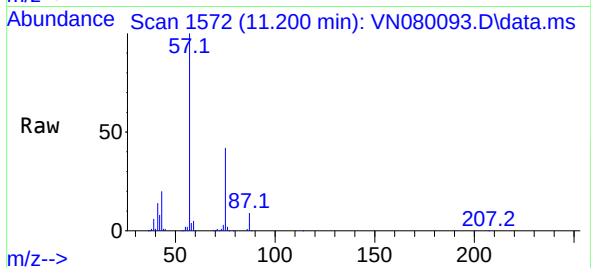
ClientSampleId :

Tgt Ion: 76 Resp: 5688

Ion Ratio Lower Upper

76 100

78 0.0 26.1 39.1#



#59

2-Hexanone

Concen: 43.321 ug/l

RT: 11.171 min Scan# 1567

Delta R.T. -0.029 min

Lab File: VN080093.D

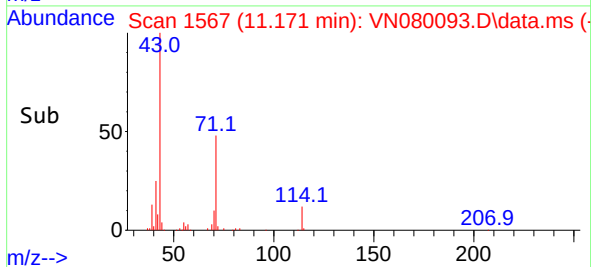
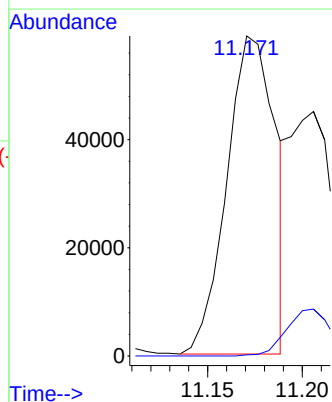
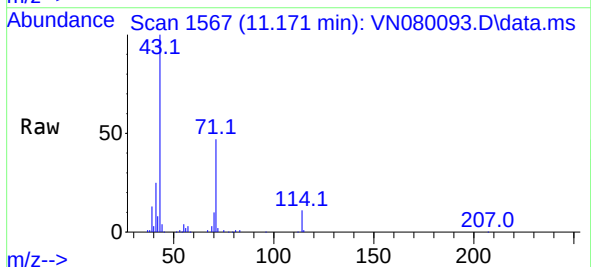
Acq: 14 Nov 2023 16:50

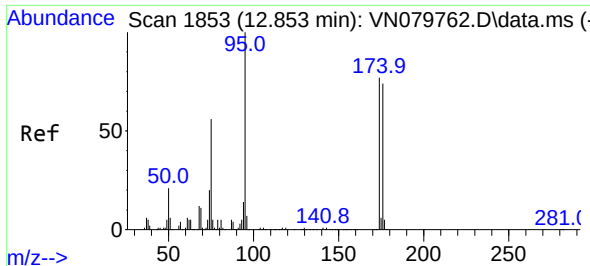
Tgt Ion: 43 Resp: 105107

Ion Ratio Lower Upper

43 100

58 0.0 31.7 95.1#

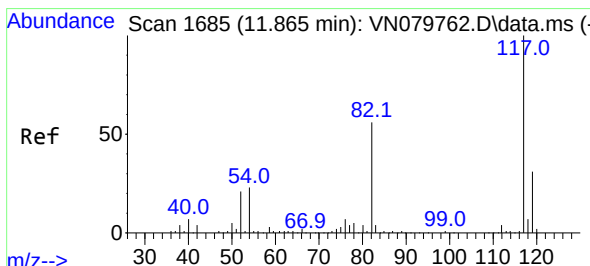
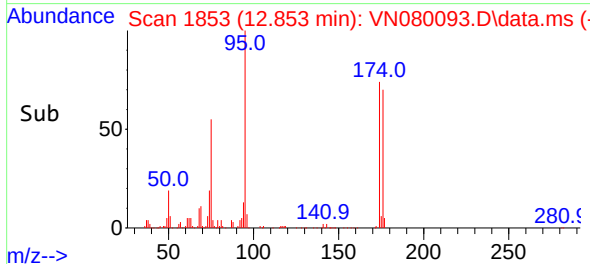
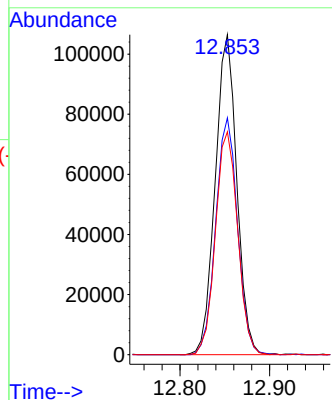
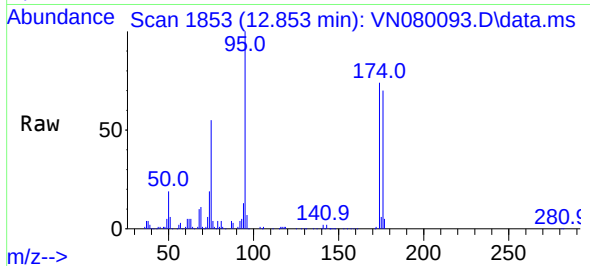




#62
4-Bromofluorobenzene
Concen: 59.300 ug/l
RT: 12.853 min Scan# 1185
Delta R.T. 0.000 min
Lab File: VN080093.D
Acq: 14 Nov 2023 16:50

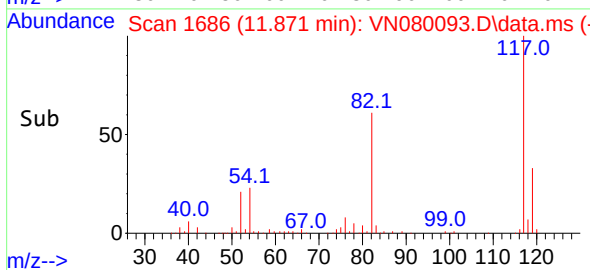
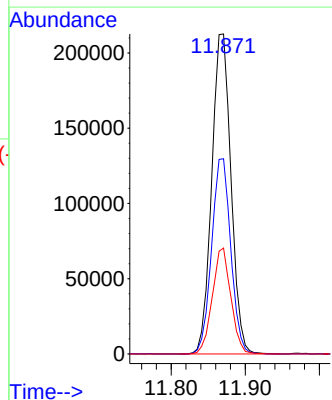
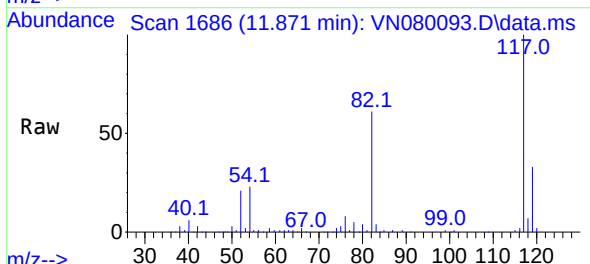
Instrument :
MSVOA_N
ClientSampleId :

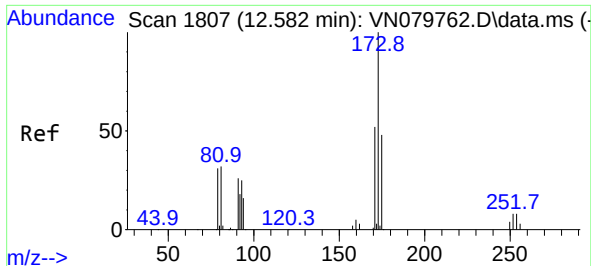
Tgt Ion: 95 Resp: 177608
Ion Ratio Lower Upper
95 100
174 74.9 0.0 143.8
176 71.7 0.0 135.8



#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.871 min Scan# 1686
Delta R.T. 0.000 min
Lab File: VN080093.D
Acq: 14 Nov 2023 16:50

Tgt Ion: 117 Resp: 384045
Ion Ratio Lower Upper
117 100
82 61.0 44.0 66.0
119 33.1 25.6 38.4

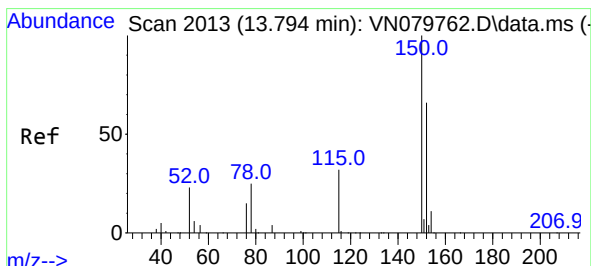
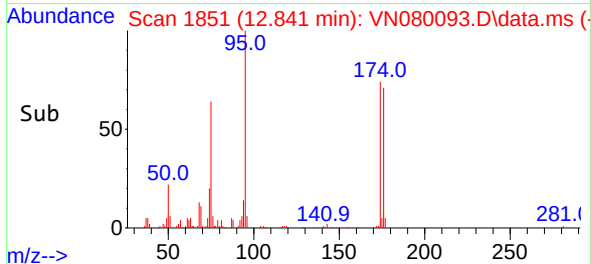
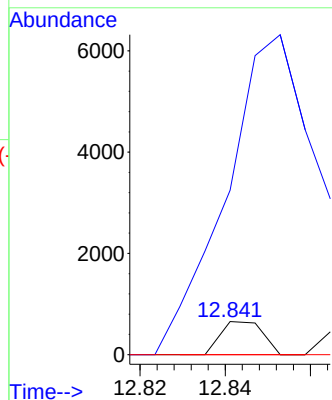
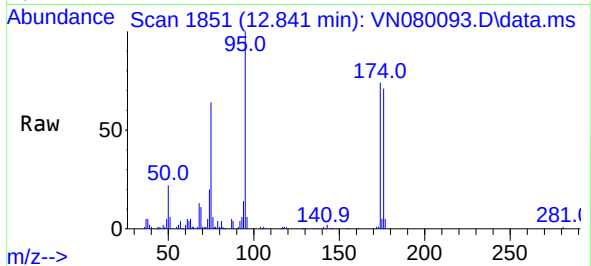




#71
Bromoform
Concen: 0.213 ug/l
RT: 12.841 min Scan# 1807
Delta R.T. 0.259 min
Lab File: VN080093.D
Acq: 14 Nov 2023 16:50

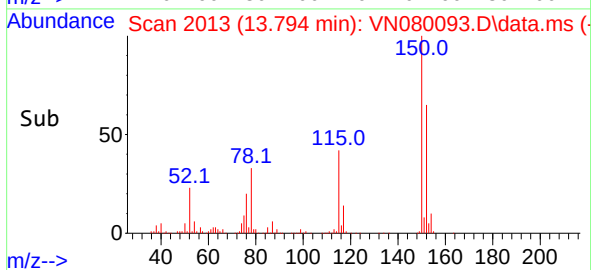
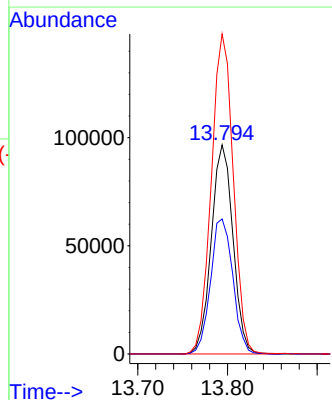
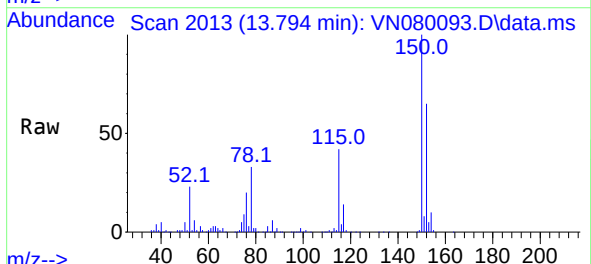
Instrument :
MSVOA_N
ClientSampleId :

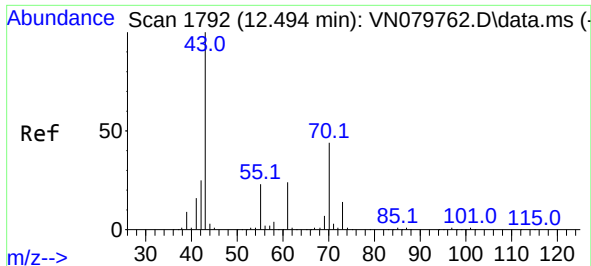
Tgt Ion:173 Resp: 453
Ion Ratio Lower Upper
173 100
175 1785.2 24.3 73.0#
254 0.0 0.0 0.0



#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 13.794 min Scan# 2013
Delta R.T. 0.000 min
Lab File: VN080093.D
Acq: 14 Nov 2023 16:50

Tgt Ion:152 Resp: 162129
Ion Ratio Lower Upper
152 100
115 66.3 32.3 96.8
150 154.9 0.0 355.8

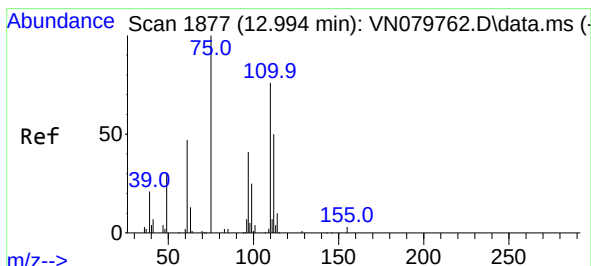
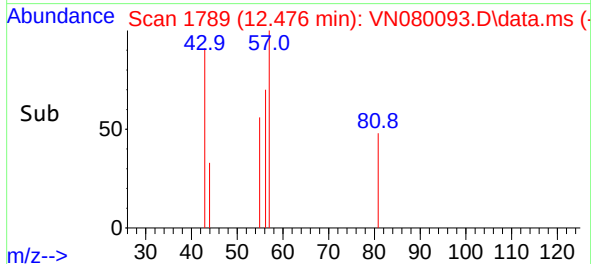
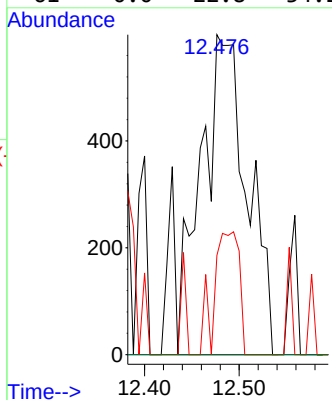
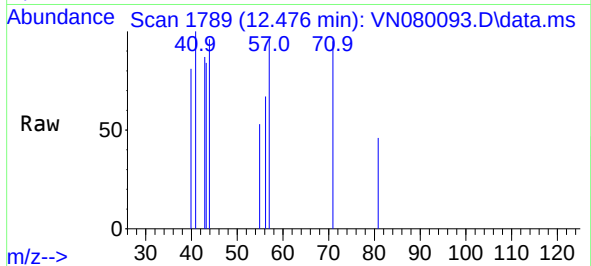




#74
N-amy1 acetate
Concen: 0.382 ug/l
RT: 12.476 min Scan# 11
Delta R.T. -0.017 min
Lab File: VN080093.D
Acq: 14 Nov 2023 16:50

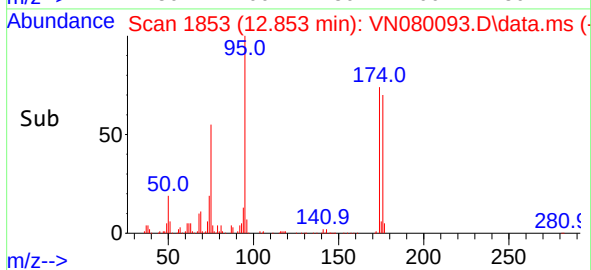
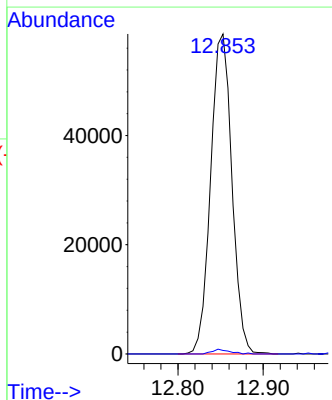
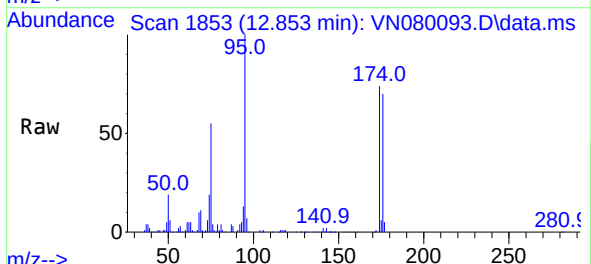
Instrument :
MSVOA_N
ClientSampleId :

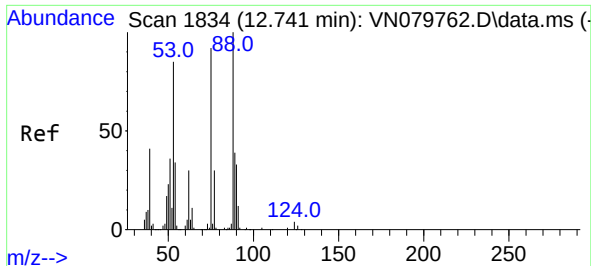
Tgt Ion: 43 Resp: 2050
Ion Ratio Lower Upper
43 100
70 0.0 43.4 65.2#
55 20.8 21.4 32.0#
61 0.0 22.8 34.2#



#76
1,2,3-Trichloropropane
Concen: 26.741 ug/l
RT: 12.853 min Scan# 1853
Delta R.T. -0.141 min
Lab File: VN080093.D
Acq: 14 Nov 2023 16:50

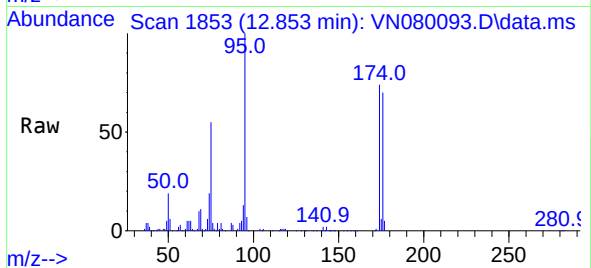
Tgt Ion: 75 Resp: 101785
Ion Ratio Lower Upper
75 100
77 1.2 84.5 253.5#





#81
trans-1,4-Dichloro-2-butene
Concen: 72.756 ug/l
RT: 12.853 min Scan# 1853
Delta R.T. 0.118 min
Lab File: VN080093.D
Acq: 14 Nov 2023 16:50

Instrument :
MSVOA_N
ClientSampleId :



Tgt Ion: 75 Resp: 101785
Ion Ratio Lower Upper
75 100
53 0.0 67.4 101.2#
89 0.1 38.8 58.2#

