

Data Path : Z:\voasrv\HPCHEM1\MSVOA_N\Data\VN111323\
 Data File : VN080068.D
 Acq On : 13 Nov 2023 15:53
 Operator : JC\MD
 Sample : PB157075ZHE#09
 Misc : 5.0mL/MSVOA_N/WATER
 ALS Vial : 16 Sample Multiplier: 1

Instrument :
 MSVOA_N
 ClientSampleId :

Quant Time: Nov 14 19:24:59 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

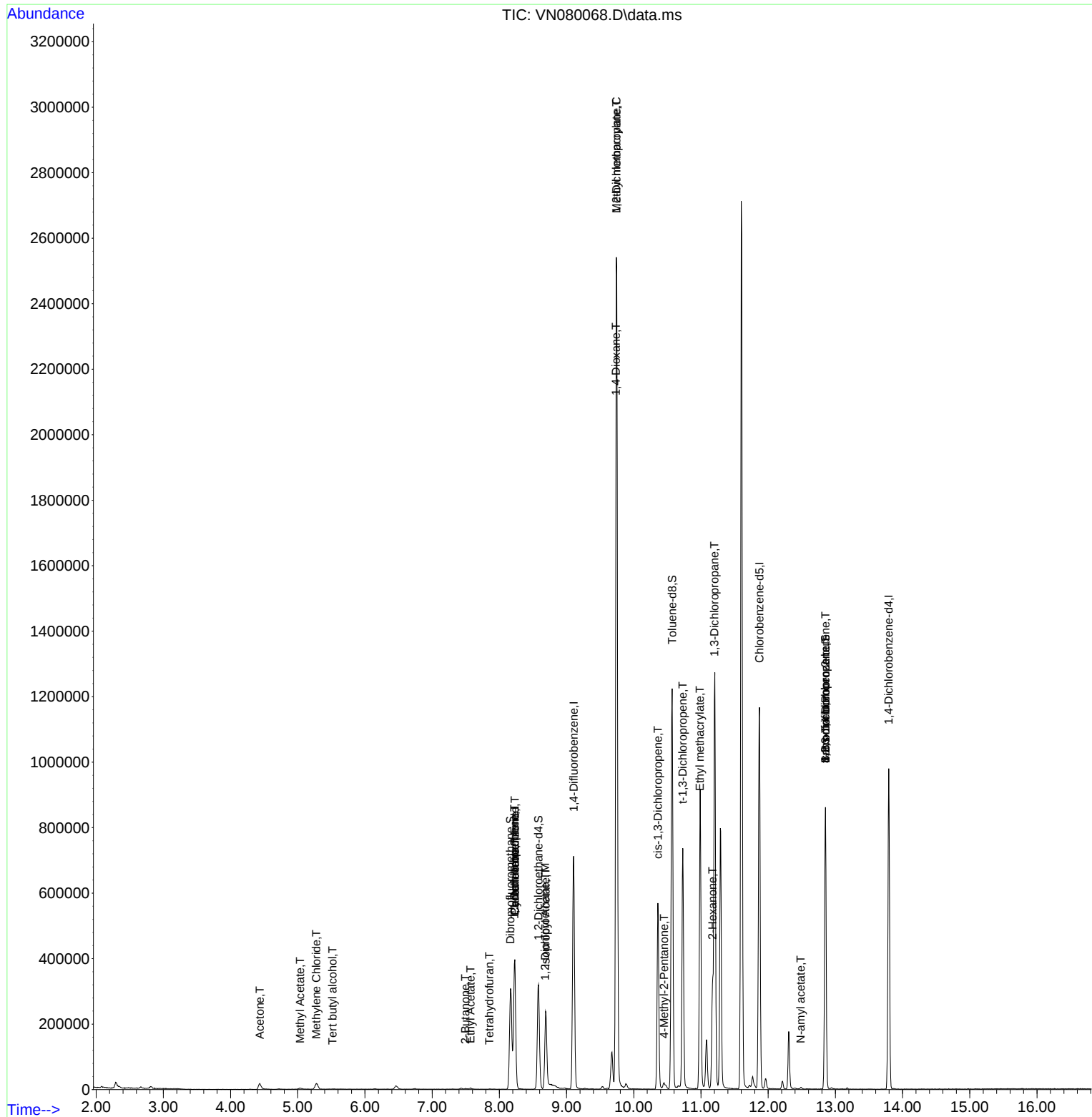
Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
Internal Standards						
1) Pentafluorobenzene	8.229	168	277490	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	9.106	114	595784	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.870	117	678034	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.794	152	255428	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.582	65	263449	62.316	ug/l	0.00
Spiked Amount	50.000	Range	74 - 125	Recovery	= 124.640%	
35) Dibromofluoromethane	8.165	113	228462	54.180	ug/l	0.00
Spiked Amount	50.000	Range	75 - 124	Recovery	= 108.360%	
50) Toluene-d8	10.571	98	843354	54.328	ug/l	0.00
Spiked Amount	50.000	Range	86 - 113	Recovery	= 108.660%	
62) 4-Bromofluorobenzene	12.853	95	299798	58.232	ug/l	0.00
Spiked Amount	50.000	Range	83 - 123	Recovery	= 116.460%	
Target Compounds						
					Qvalue	
3) Chloromethane	2.359	50	778	Below Cal	#	42
11) Tert butyl alcohol	5.518	59	374	0.693	ug/l #	72
16) Acetone	4.436	43	34141	22.990	ug/l	99
18) Methyl Acetate	5.036	43	7122	1.002	ug/l #	83
20) Methylene Chloride	5.277	84	13982	3.731	ug/l #	81
25) 2-Butanone	7.494	43	3652	1.679	ug/l #	83
29) Tetrahydrofuran	7.853	42	816	0.577	ug/l #	25
31) Cyclohexane	8.229	56	6617	1.184	ug/l #	29
36) 1,1-Dichloropropene	8.224	75	25343	4.209	ug/l #	46
37) Ethyl Acetate	7.571	43	5973	1.082	ug/l #	83
38) Carbon Tetrachloride	8.229	117	30053	4.953	ug/l #	17
42) 1,2-Dichloroethane	8.682	62	1709	0.271	ug/l #	73
43) Isopropyl Acetate	8.688	43	266480	27.519	ug/l #	81
45) 1,2-Dichloropropane	9.741	63	3373	0.732	ug/l #	45
48) Methyl methacrylate	9.741	41	235790	55.591	ug/l #	27
49) 1,4-Dioxane	9.735	88	385	5.137	ug/l #	1
51) 4-Methyl-2-Pentanone	10.453	43	12048	2.210	ug/l	92
53) t-1,3-Dichloropropene	10.729	75	1780	0.271	ug/l #	1
54) cis-1,3-Dichloropropene	10.359	75	97351	13.576	ug/l #	70
56) Ethyl methacrylate	10.982	69	4764	0.777	ug/l #	1
57) 1,3-Dichloropropane	11.200	76	13004	1.716	ug/l #	42
59) 2-Hexanone	11.170	43	248629	59.615	ug/l #	19
71) Bromoform	12.853	173	1544	0.410	ug/l #	1
74) N-amyl acetate	12.482	43	2078	0.246	ug/l #	45
76) 1,2,3-Trichloropropane	12.853	75	153207	25.549	ug/l #	1
81) trans-1,4-Dichloro-2-b...	12.853	75	153207	69.512	ug/l #	15

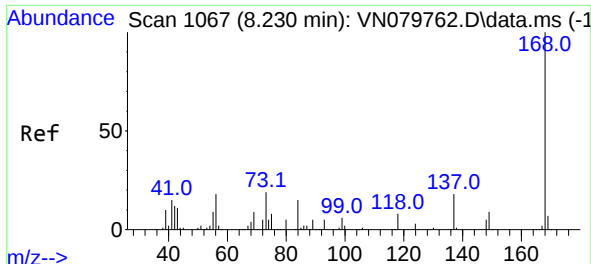
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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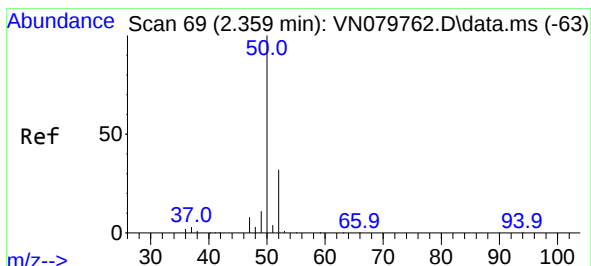
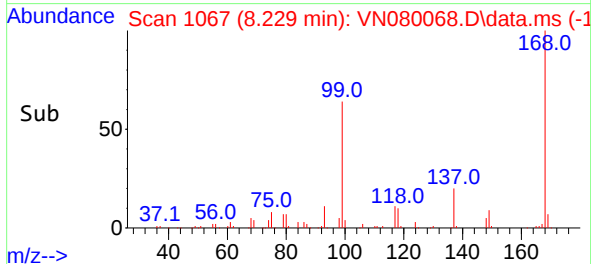
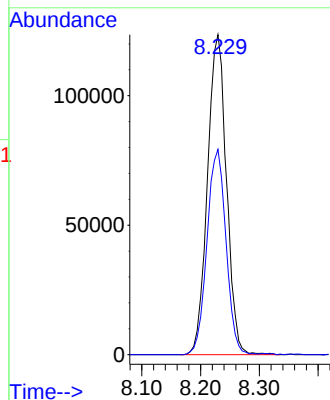
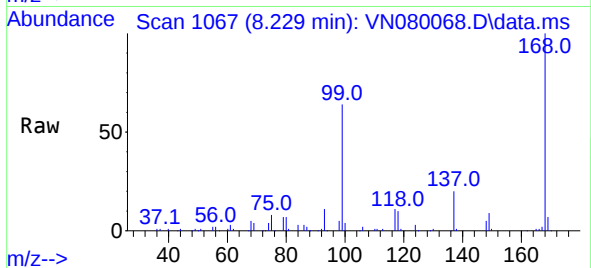




#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 8.229 min Scan# 10
Delta R.T. 0.001 min
Lab File: VN080068.D
Acq: 13 Nov 2023 15:53

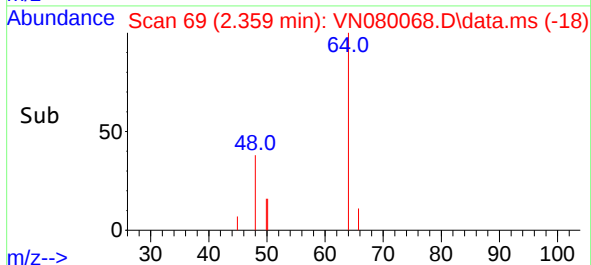
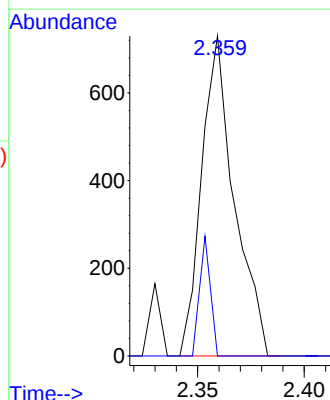
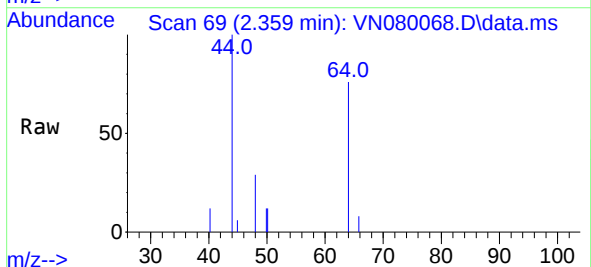
Instrument :
MSVOA_N
ClientSampleId :

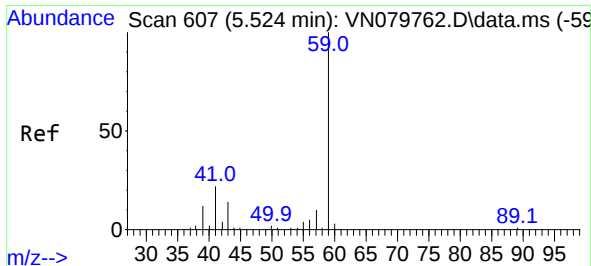
Tgt Ion:168 Resp: 277490
Ion Ratio Lower Upper
168 100
99 64.1 53.0 79.6



#3
Chloromethane
Concen: Below Cal
RT: 2.359 min Scan# 69
Delta R.T. 0.000 min
Lab File: VN080068.D
Acq: 13 Nov 2023 15:53

Tgt Ion: 50 Resp: 778
Ion Ratio Lower Upper
50 100
52 0.0 26.5 39.7#

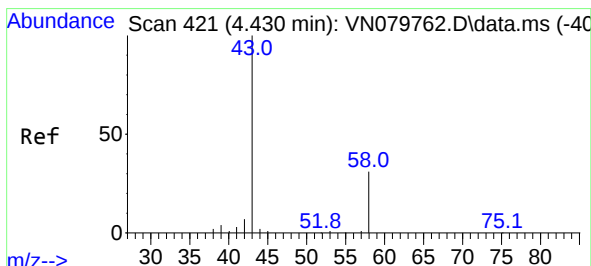
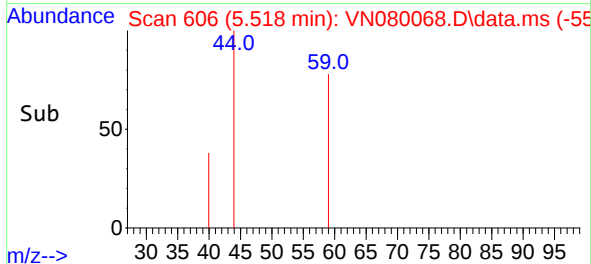
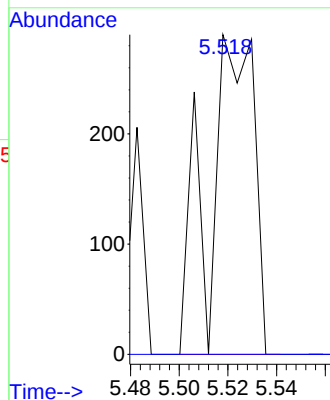
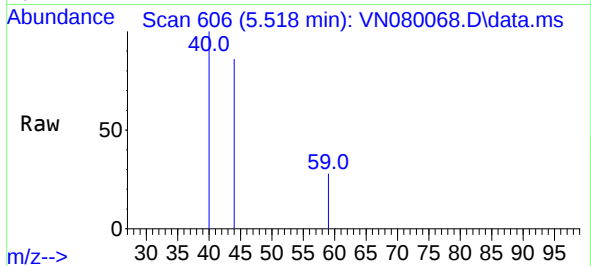




#11
Tert butyl alcohol
Concen: 0.693 ug/l
RT: 5.518 min Scan# 607
Delta R.T. 0.000 min
Lab File: VN080068.D
Acq: 13 Nov 2023 15:53

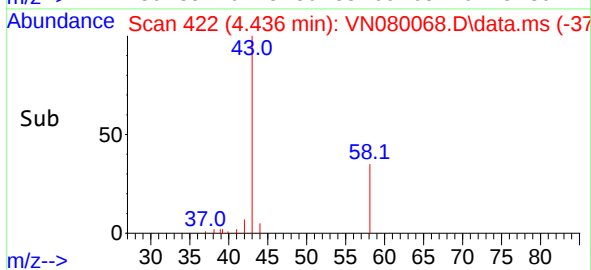
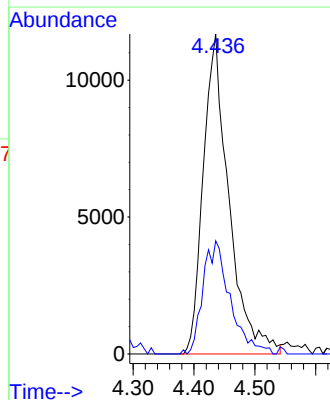
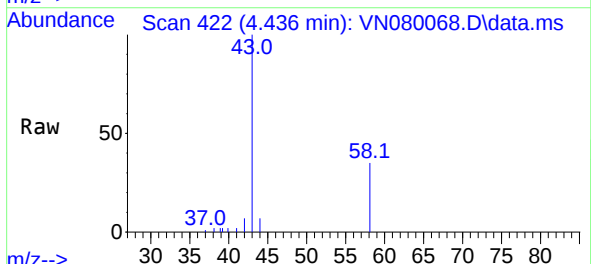
Instrument :
MSVOA_N
ClientSampleId :

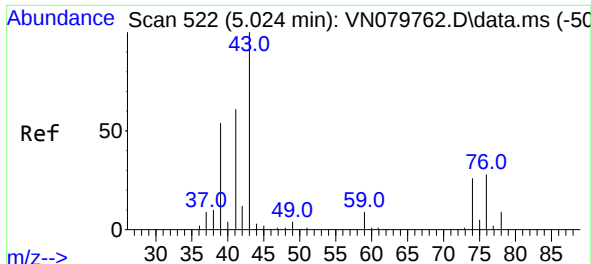
Tgt Ion: 59 Resp: 374
Ion Ratio Lower Upper
59 100
57 0.0 8.2 12.4#



#16
Acetone
Concen: 22.990 ug/l
RT: 4.436 min Scan# 422
Delta R.T. 0.006 min
Lab File: VN080068.D
Acq: 13 Nov 2023 15:53

Tgt Ion: 43 Resp: 34141
Ion Ratio Lower Upper
43 100
58 35.4 28.0 42.0

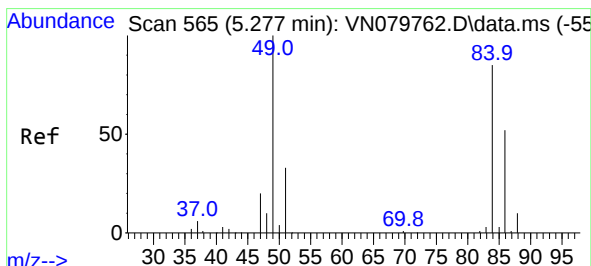
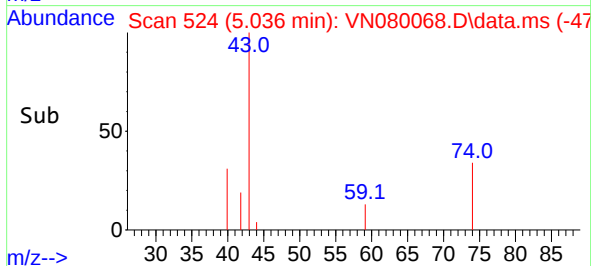
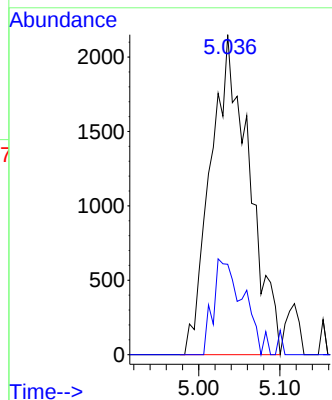
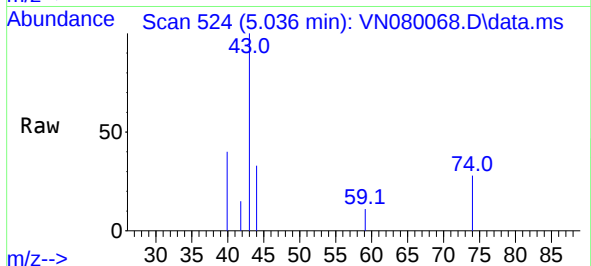




#18
Methyl Acetate
Concen: 1.002 ug/l
RT: 5.036 min Scan# 51
Delta R.T. 0.012 min
Lab File: VN080068.D
Acq: 13 Nov 2023 15:53

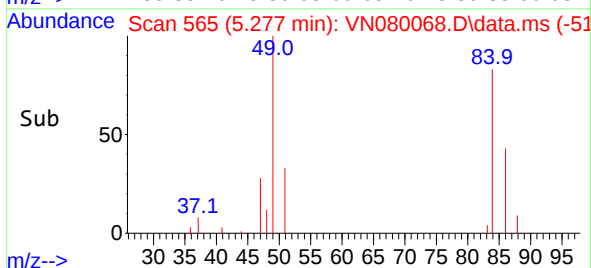
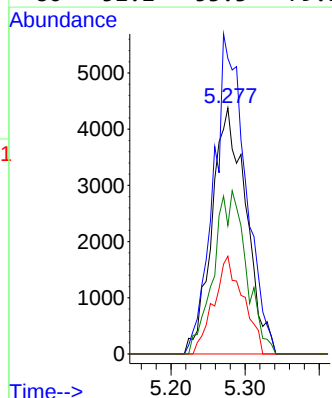
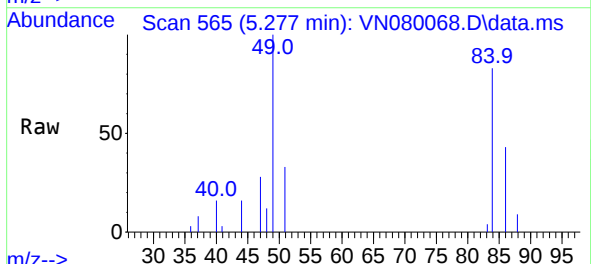
Instrument :
MSVOA_N
ClientSampleId :

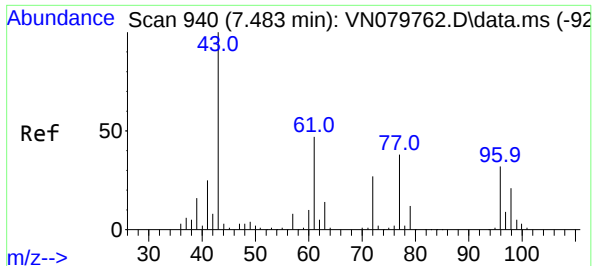
Tgt Ion: 43 Resp: 7122
Ion Ratio Lower Upper
43 100
74 23.2 26.2 39.4#



#20
Methylene Chloride
Concen: 3.731 ug/l
RT: 5.277 min Scan# 565
Delta R.T. 0.006 min
Lab File: VN080068.D
Acq: 13 Nov 2023 15:53

Tgt Ion: 84 Resp: 13982
Ion Ratio Lower Upper
84 100
49 120.1 79.7 119.5#
51 39.7 25.2 37.8#
86 52.2 53.3 79.9#





#25

2-Butanone

Concen: 1.679 ug/l

RT: 7.494 min Scan# 94

Delta R.T. 0.006 min

Lab File: VN080068.D

Acq: 13 Nov 2023 15:53

Instrument :

MSVOA_N

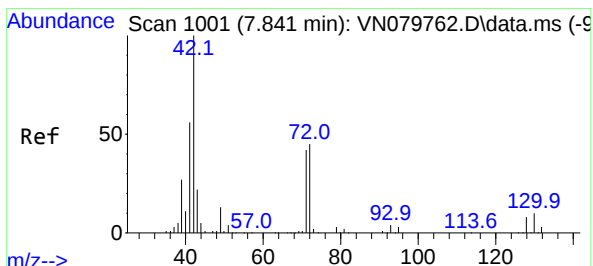
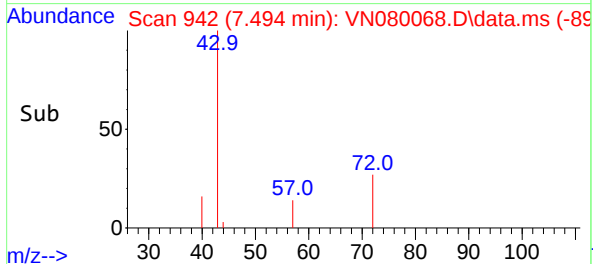
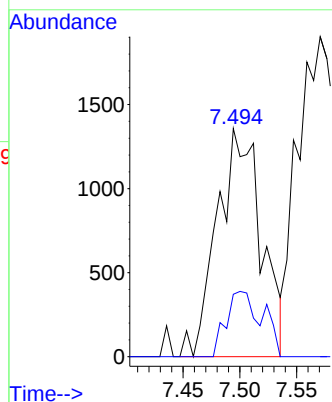
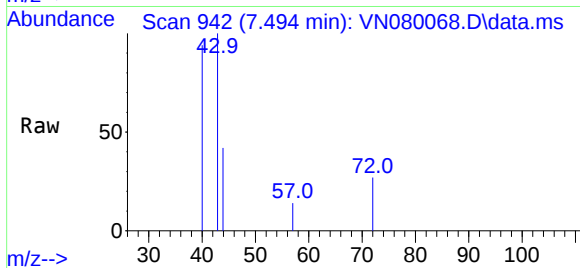
ClientSampleId :

Tgt Ion: 43 Resp: 3652

Ion Ratio Lower Upper

43 100

72 27.3 30.2 45.2#



#29

Tetrahydrofuran

Concen: 0.577 ug/l

RT: 7.853 min Scan# 1003

Delta R.T. 0.012 min

Lab File: VN080068.D

Acq: 13 Nov 2023 15:53

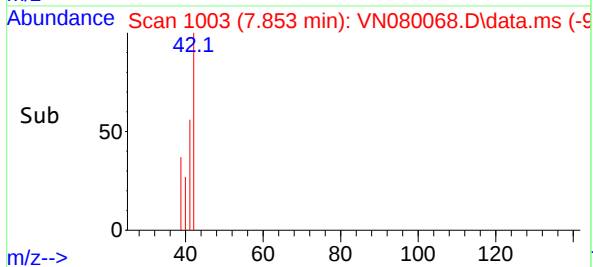
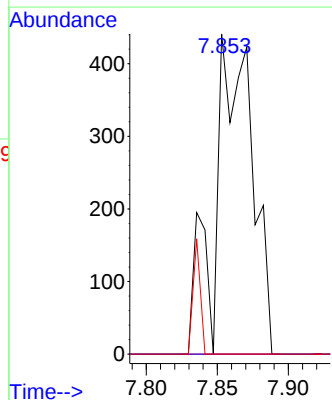
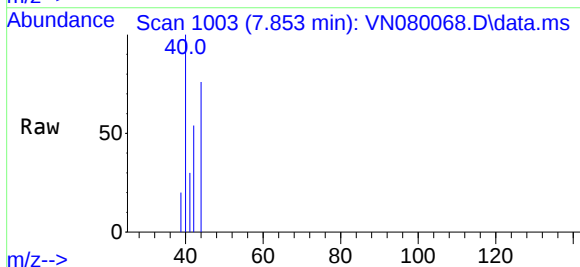
Tgt Ion: 42 Resp: 816

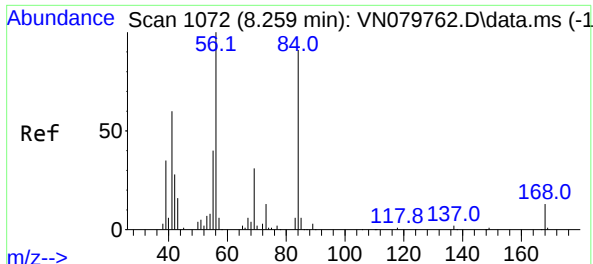
Ion Ratio Lower Upper

42 100

72 0.0 49.8 74.6#

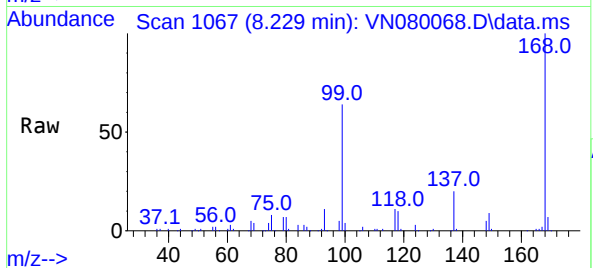
71 6.9 47.4 71.2#



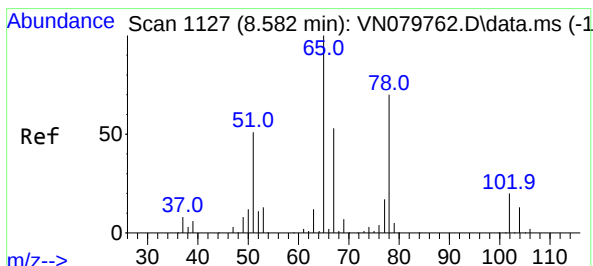
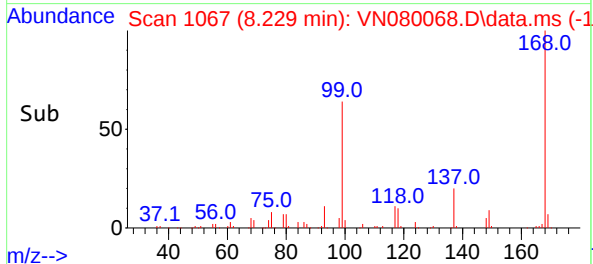
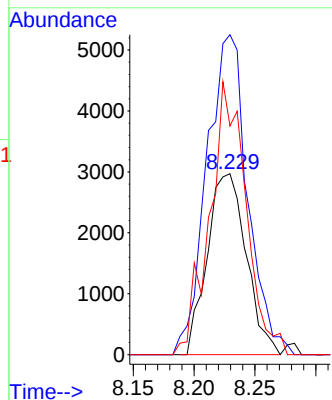


#31
Cyclohexane
Concen: 1.184 ug/l
RT: 8.229 min Scan# 1067
Delta R.T. -0.029 min
Lab File: VN080068.D
Acq: 13 Nov 2023 15:53

Instrument :
MSVOA_N
ClientSampleId :

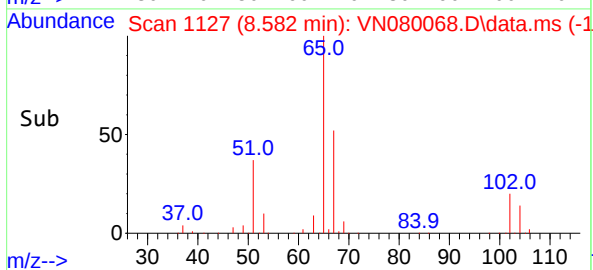
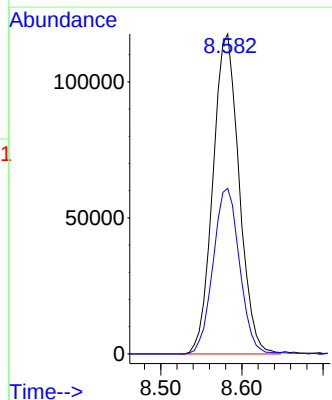
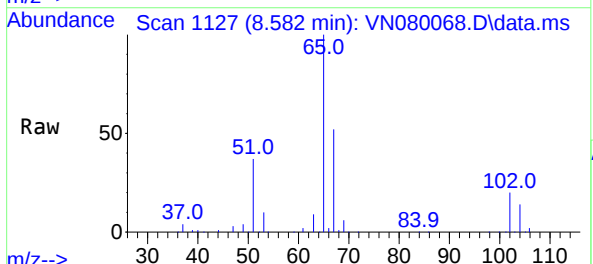


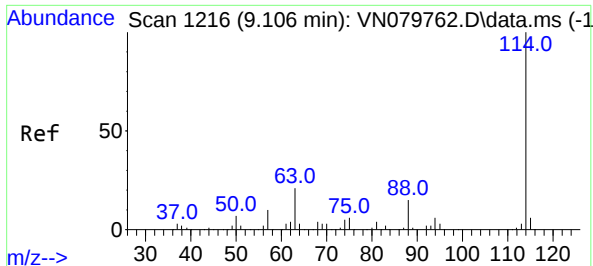
Tgt Ion: 56 Resp: 6617
Ion Ratio Lower Upper
56 100
69 166.9 26.8 40.2#
84 120.1 81.8 122.6



#33
1,2-Dichloroethane-d4
Concen: 62.316 ug/l
RT: 8.582 min Scan# 1127
Delta R.T. 0.000 min
Lab File: VN080068.D
Acq: 13 Nov 2023 15:53

Tgt Ion: 65 Resp: 263449
Ion Ratio Lower Upper
65 100
67 52.5 0.0 106.6

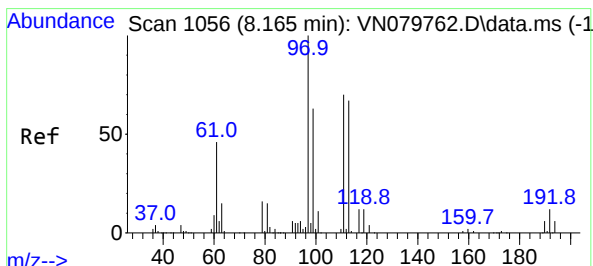
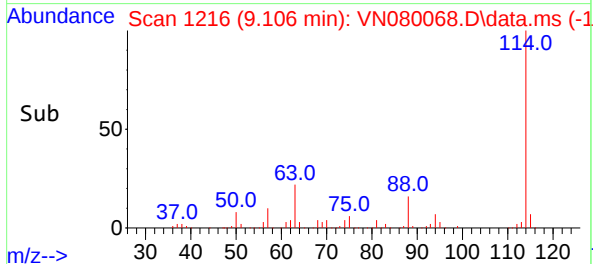
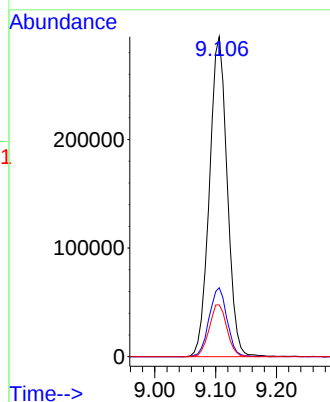
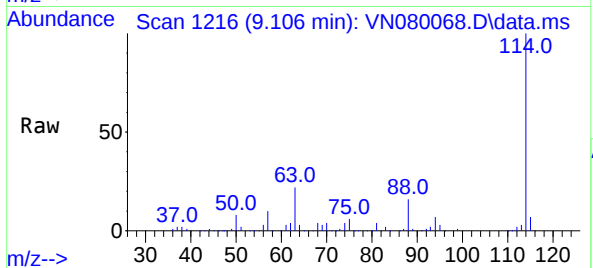




#34
1,4-Difluorobenzene
Concen: 50.000 ug/l
RT: 9.106 min Scan# 11
Delta R.T. 0.000 min
Lab File: VN080068.D
Acq: 13 Nov 2023 15:53

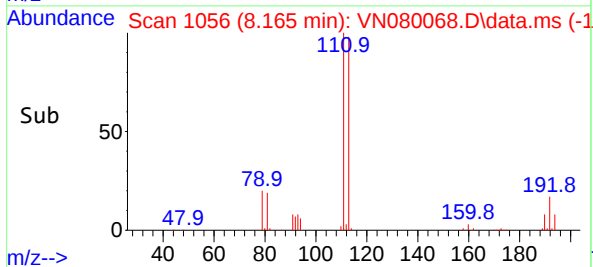
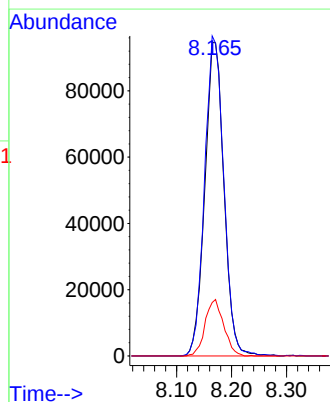
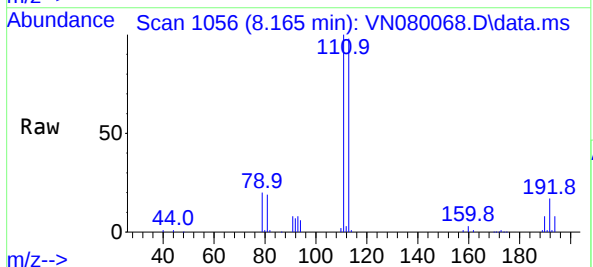
Instrument :
MSVOA_N
ClientSampleId :

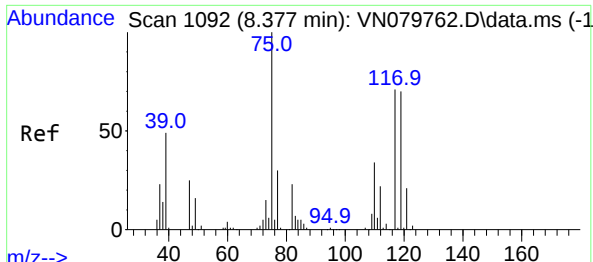
Tgt Ion:114 Resp: 595784
Ion Ratio Lower Upper
114 100
63 21.5 0.0 36.4
88 16.2 0.0 30.6



#35
Dibromofluoromethane
Concen: 54.180 ug/l
RT: 8.165 min Scan# 1056
Delta R.T. -0.006 min
Lab File: VN080068.D
Acq: 13 Nov 2023 15:53

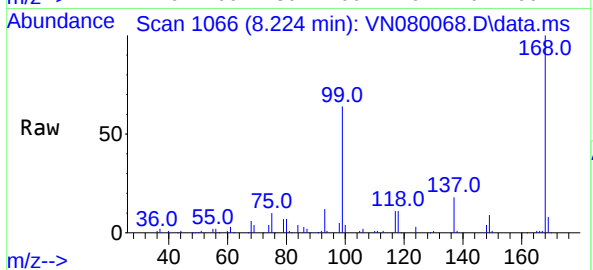
Tgt Ion:113 Resp: 228462
Ion Ratio Lower Upper
113 100
111 102.5 82.6 123.8
192 17.5 12.7 19.1



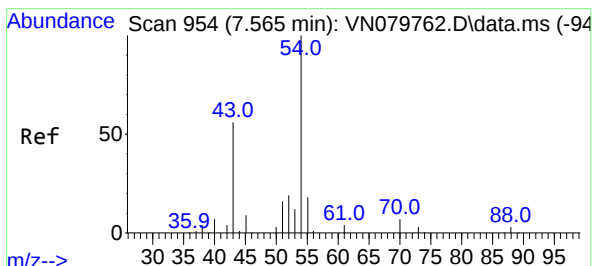
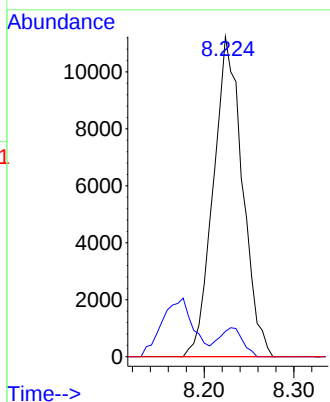
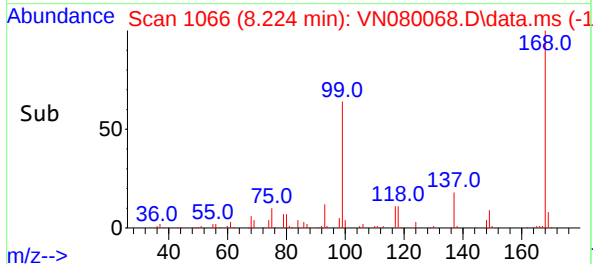


#36
1,1-Dichloropropene
Concen: 4.209 ug/l
RT: 8.224 min Scan# 1066
Delta R.T. -0.153 min
Lab File: VN080068.D
Acq: 13 Nov 2023 15:53

Instrument :
MSVOA_N
ClientSampleId :

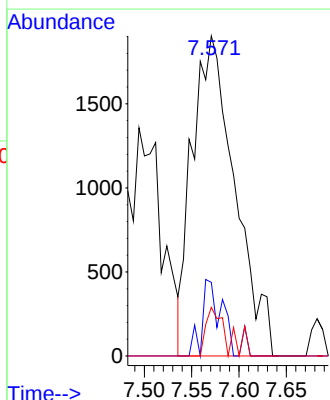
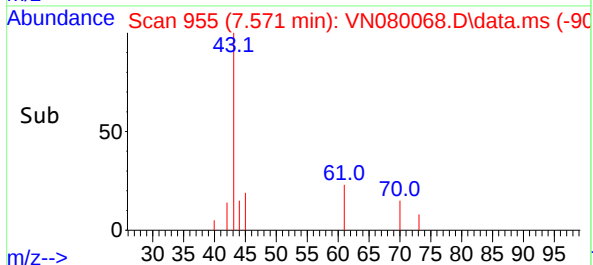
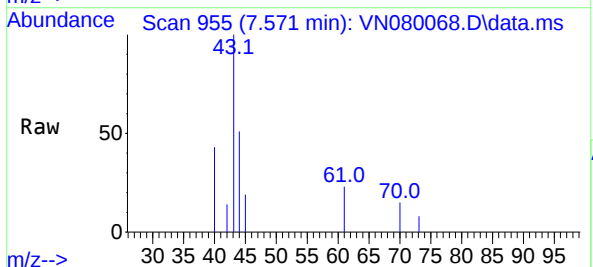


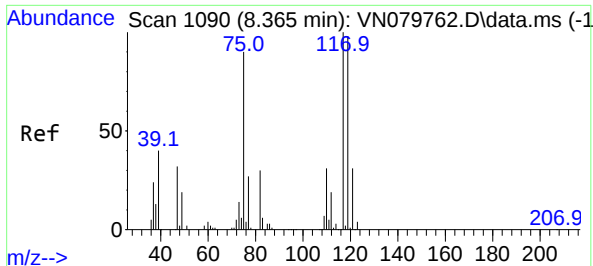
Tgt Ion: 75 Resp: 25343
Ion Ratio Lower Upper
75 100
110 7.4 19.1 57.3#
77 0.0 25.0 37.4#



#37
Ethyl Acetate
Concen: 1.082 ug/l
RT: 7.571 min Scan# 955
Delta R.T. 0.006 min
Lab File: VN080068.D
Acq: 13 Nov 2023 15:53

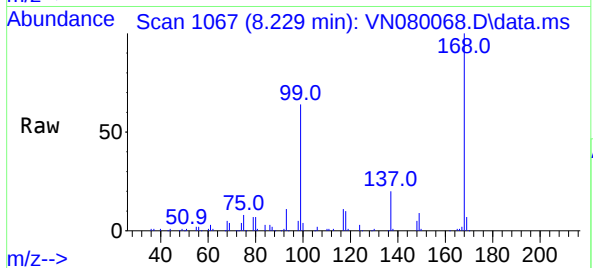
Tgt Ion: 43 Resp: 5973
Ion Ratio Lower Upper
43 100
61 10.8 13.2 19.8#
70 5.5 11.3 16.9#



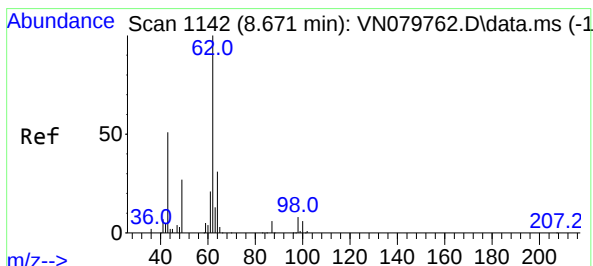
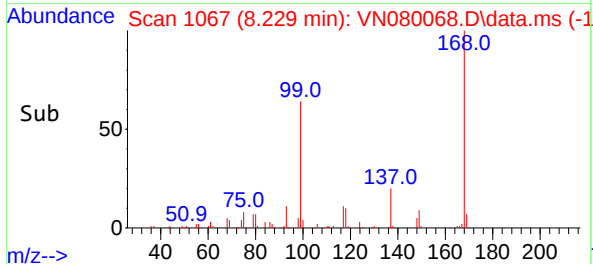
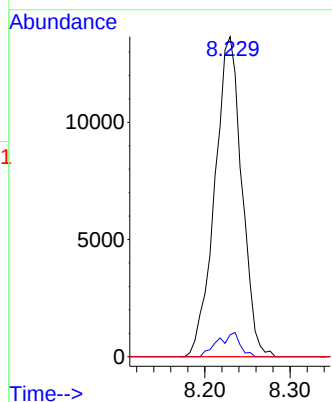


#38
Carbon Tetrachloride
Concen: 4.953 ug/l
RT: 8.229 min Scan# 1107
Delta R.T. -0.129 min
Lab File: VN080068.D
Acq: 13 Nov 2023 15:53

Instrument :
MSVOA_N
ClientSampleId :

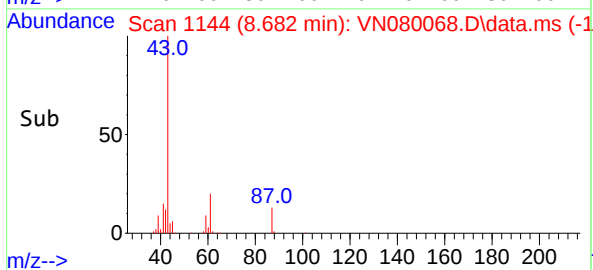
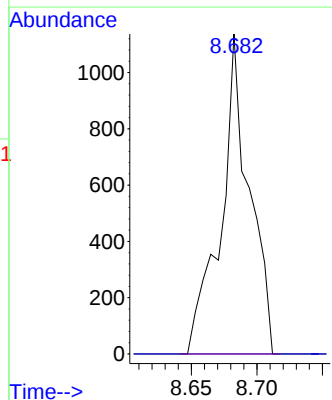
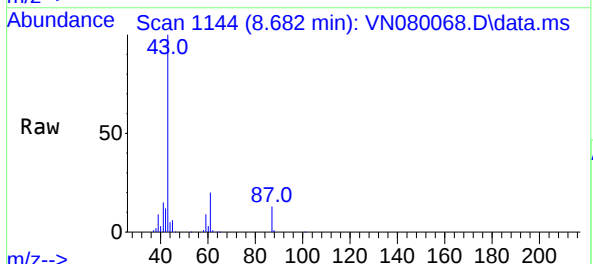


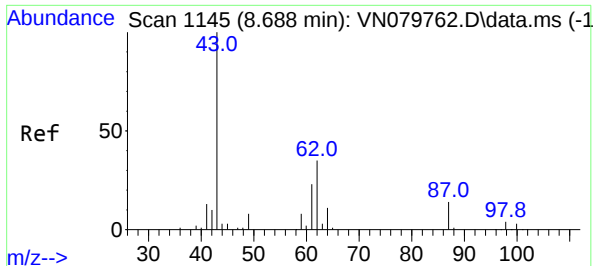
Tgt Ion:117 Resp: 30053
Ion Ratio Lower Upper
117 100
119 6.8 77.3 115.9#
121 0.0 23.3 34.9#



#42
1,2-Dichloroethane
Concen: 0.271 ug/l
RT: 8.682 min Scan# 1144
Delta R.T. 0.012 min
Lab File: VN080068.D
Acq: 13 Nov 2023 15:53

Tgt Ion: 62 Resp: 1709
Ion Ratio Lower Upper
62 100
98 0.0 0.0 19.8

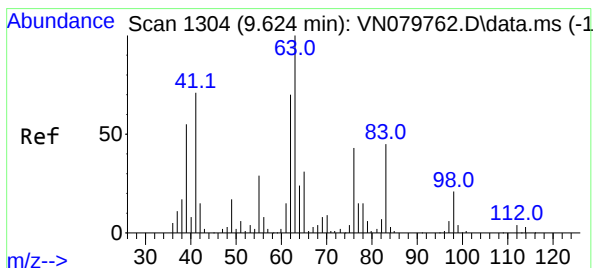
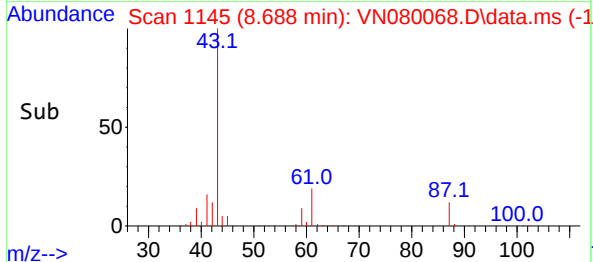
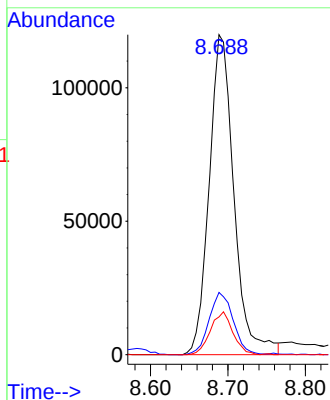
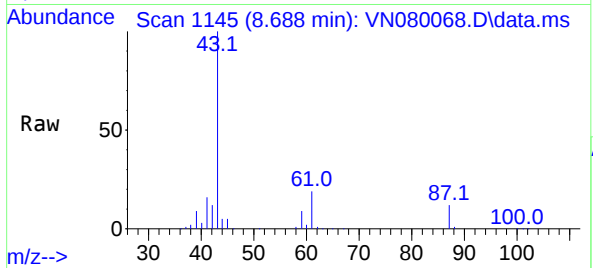




#43
Isopropyl Acetate
Concen: 27.519 ug/l
RT: 8.688 min Scan# 1145
Delta R.T. 0.000 min
Lab File: VN080068.D
Acq: 13 Nov 2023 15:53

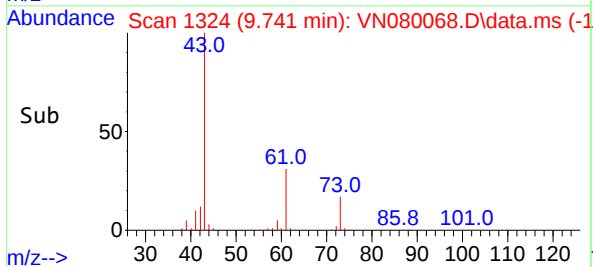
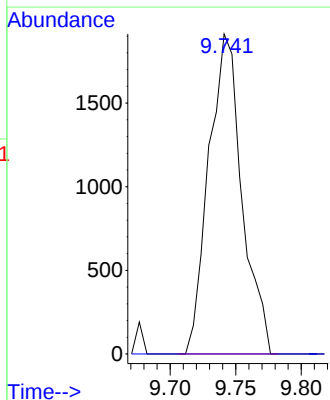
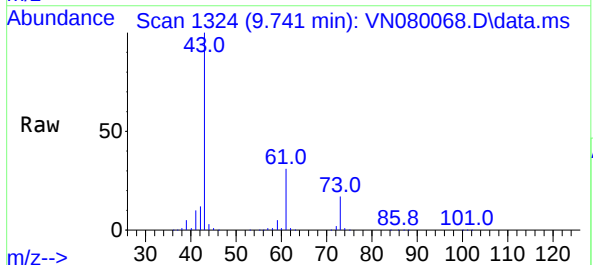
Instrument :
MSVOA_N
ClientSampleId :

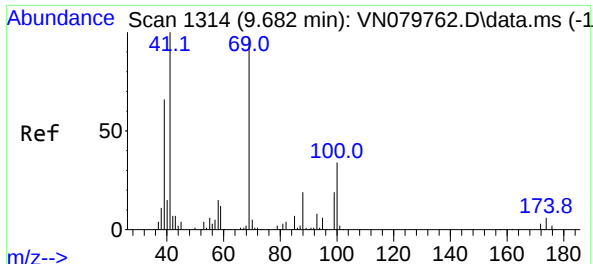
Tgt Ion: 43 Resp: 266480
Ion Ratio Lower Upper
43 100
61 18.9 24.7 37.1#
87 12.1 14.6 21.8#



#45
1,2-Dichloropropane
Concen: 0.732 ug/l
RT: 9.741 min Scan# 1324
Delta R.T. 0.118 min
Lab File: VN080068.D
Acq: 13 Nov 2023 15:53

Tgt Ion: 63 Resp: 3373
Ion Ratio Lower Upper
63 100
65 0.0 23.9 35.9#





#48

Methyl methacrylate

Concen: 55.591 ug/l

RT: 9.741 min Scan# 1

Delta R.T. 0.059 min

Lab File: VN080068.D

Acq: 13 Nov 2023 15:53

Instrument :

MSVOA_N

ClientSampleId :

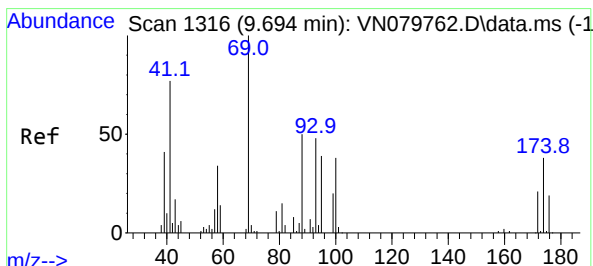
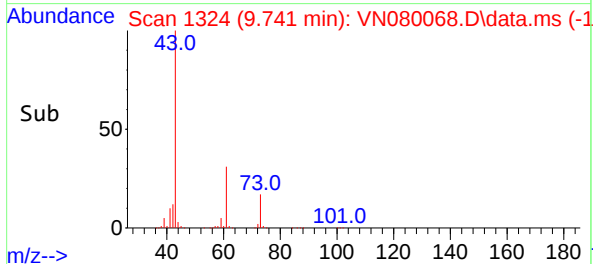
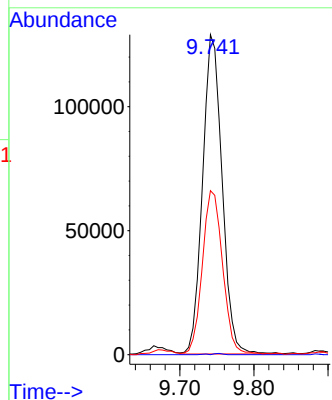
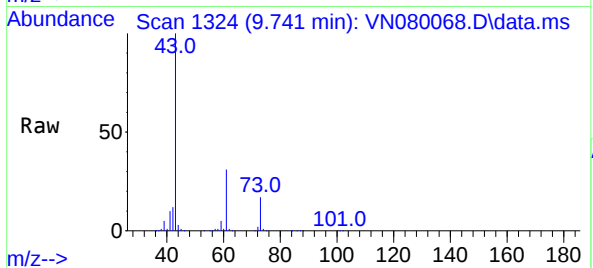
Tgt Ion: 41 Resp: 235790

Ion Ratio Lower Upper

41 100

69 0.2 90.4 135.6#

39 53.0 54.6 81.8#



#49

1,4-Dioxane

Concen: 5.137 ug/l

RT: 9.735 min Scan# 1323

Delta R.T. 0.041 min

Lab File: VN080068.D

Acq: 13 Nov 2023 15:53

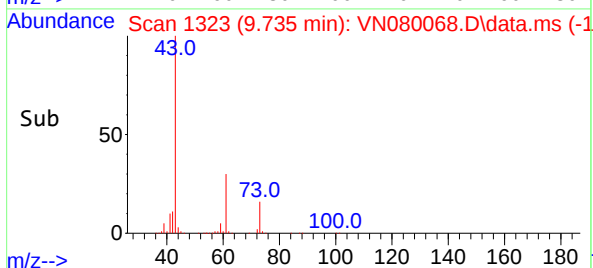
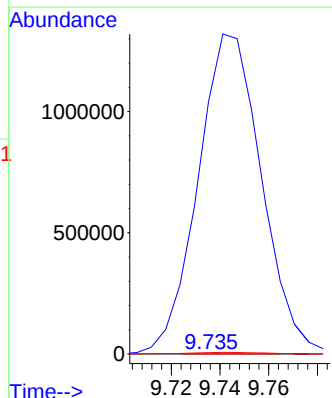
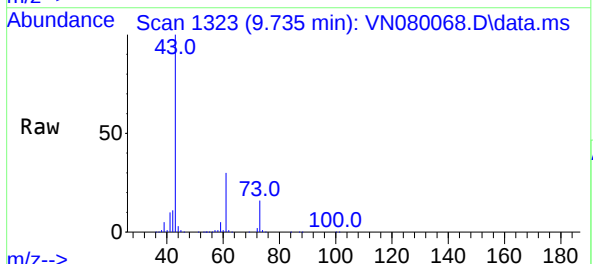
Tgt Ion: 88 Resp: 385

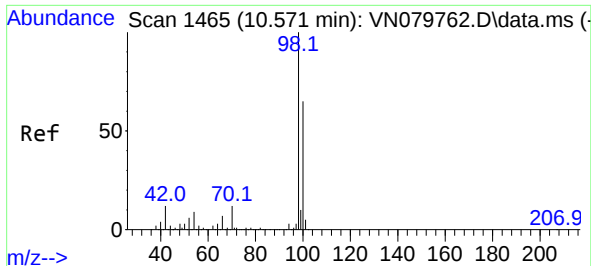
Ion Ratio Lower Upper

88 100

43 626805.7 17.0 25.6#

58 3616.4 47.0 70.4#

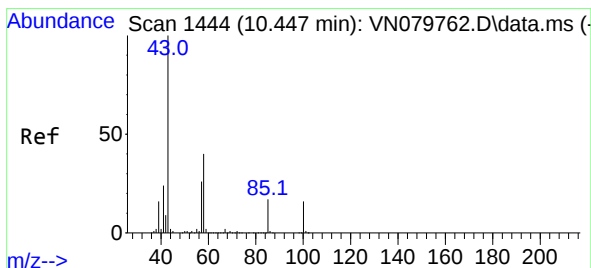
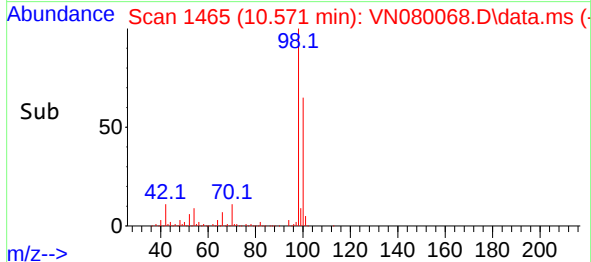
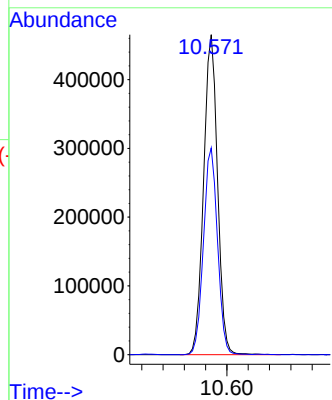
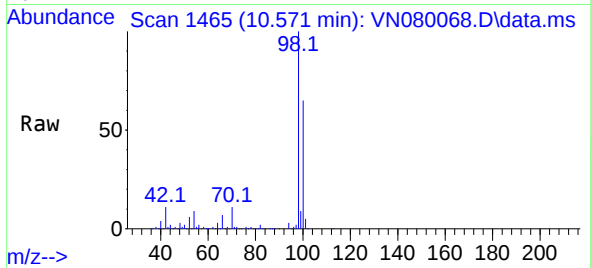




#50
Toluene-d8
Concen: 54.328 ug/l
RT: 10.571 min Scan# 1465
Delta R.T. 0.000 min
Lab File: VN080068.D
Acq: 13 Nov 2023 15:53

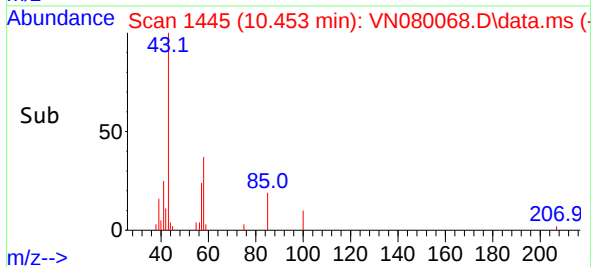
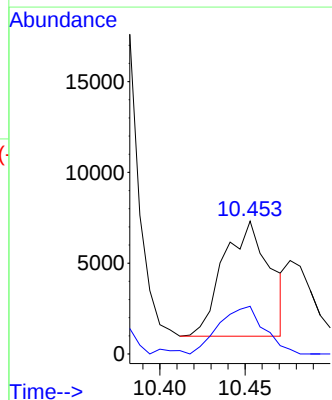
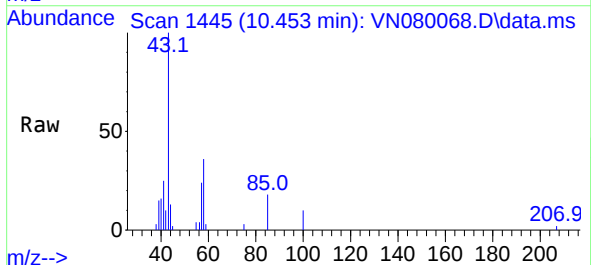
Instrument :
MSVOA_N
ClientSampleId :

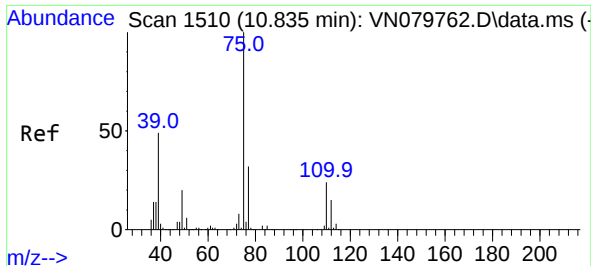
Tgt Ion: 98 Resp: 843354
Ion Ratio Lower Upper
98 100
100 65.0 52.0 78.0



#51
4-Methyl-2-Pentanone
Concen: 2.210 ug/l
RT: 10.453 min Scan# 1445
Delta R.T. 0.006 min
Lab File: VN080068.D
Acq: 13 Nov 2023 15:53

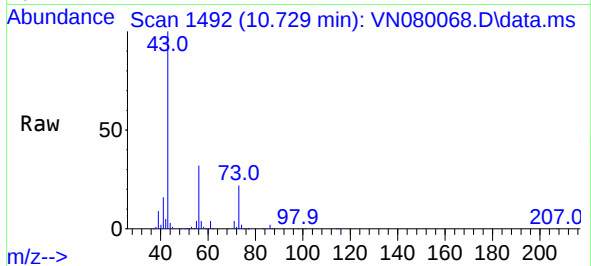
Tgt Ion: 43 Resp: 12048
Ion Ratio Lower Upper
43 100
58 40.3 36.6 54.8



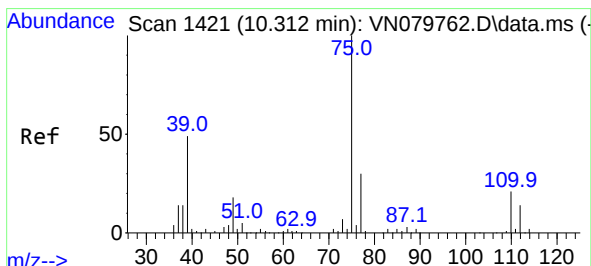
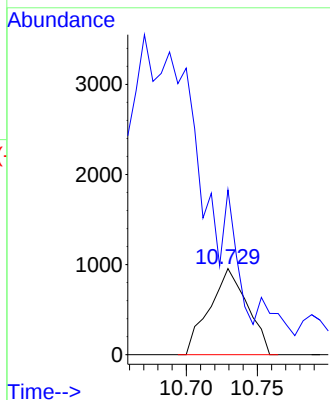
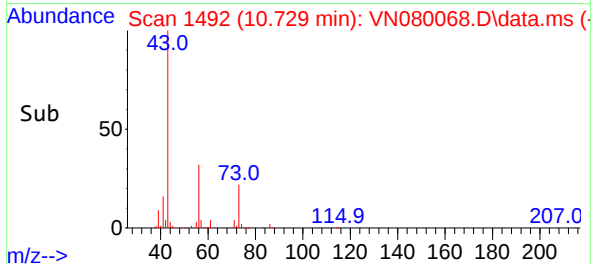


#53
t-1,3-Dichloropropene
Concen: 0.271 ug/l
RT: 10.729 min Scan# 1492
Delta R.T. -0.112 min
Lab File: VN080068.D
Acq: 13 Nov 2023 15:53

Instrument :
MSVOA_N
ClientSampleId :

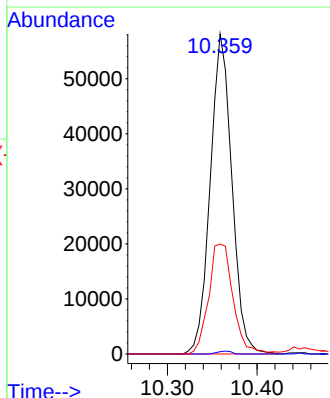
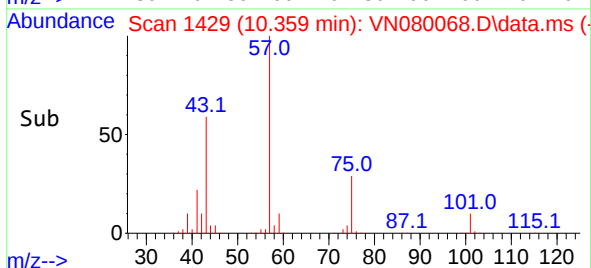
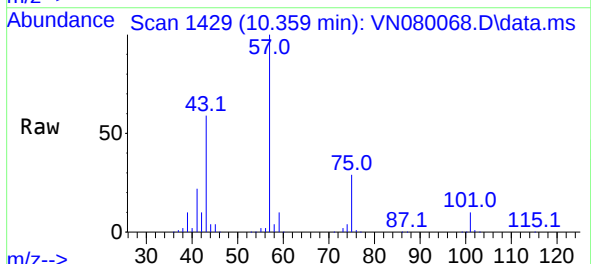


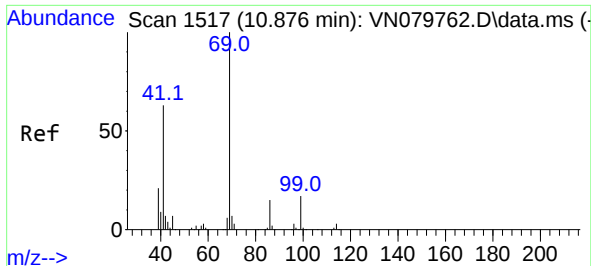
Tgt Ion: 75 Resp: 1780
Ion Ratio Lower Upper
75 100
77 143.5 25.4 38.0#



#54
cis-1,3-Dichloropropene
Concen: 13.576 ug/l
RT: 10.359 min Scan# 1429
Delta R.T. 0.041 min
Lab File: VN080068.D
Acq: 13 Nov 2023 15:53

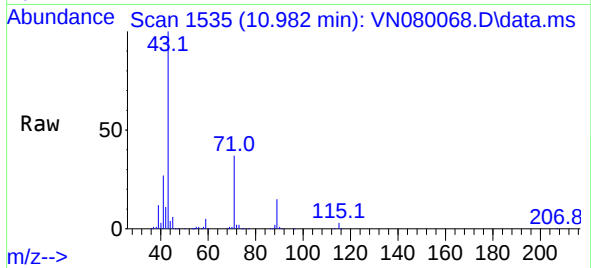
Tgt Ion: 75 Resp: 97351
Ion Ratio Lower Upper
75 100
77 0.7 26.1 39.1#
39 34.4 31.6 47.4



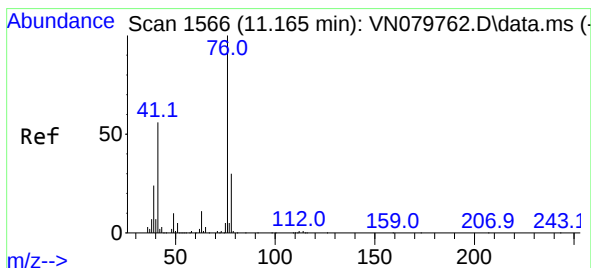
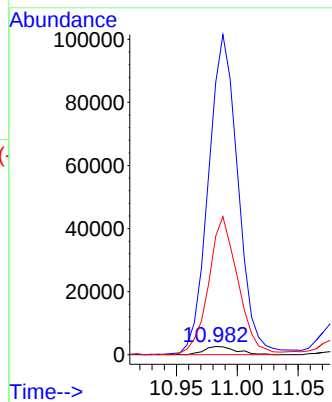
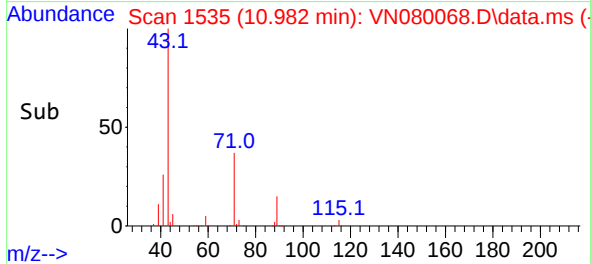


#56
Ethyl methacrylate
Concen: 0.777 ug/l
RT: 10.982 min Scan# 1535
Delta R.T. 0.106 min
Lab File: VN080068.D
Acq: 13 Nov 2023 15:53

Instrument :
MSVOA_N
ClientSampleId :

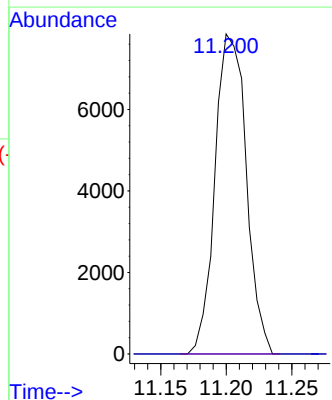
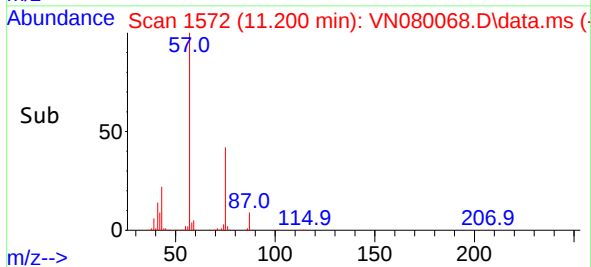
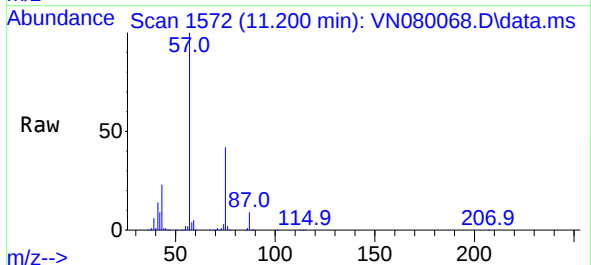


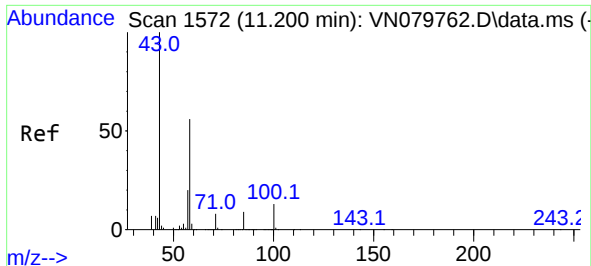
Tgt Ion: 69 Resp: 4764
Ion Ratio Lower Upper
69 100
41 3632.2 39.6 59.4#
39 1545.8 28.6 43.0#



#57
1,3-Dichloropropane
Concen: 1.716 ug/l
RT: 11.200 min Scan# 1572
Delta R.T. 0.035 min
Lab File: VN080068.D
Acq: 13 Nov 2023 15:53

Tgt Ion: 76 Resp: 13004
Ion Ratio Lower Upper
76 100
78 0.0 26.1 39.1#

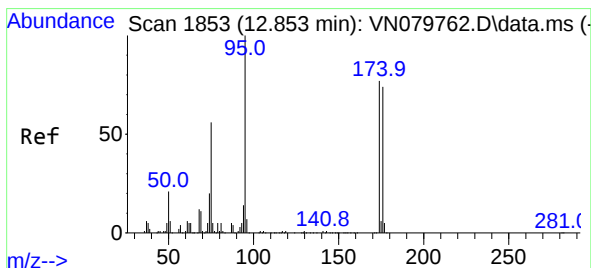
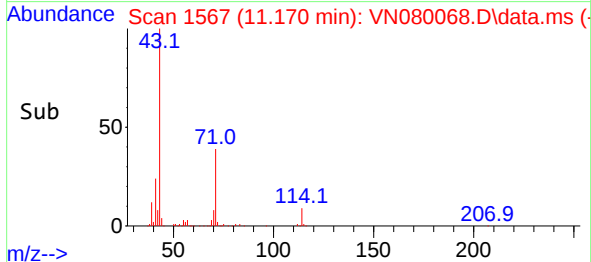
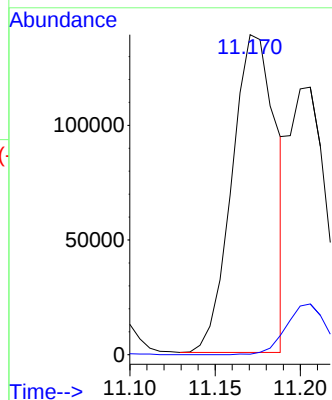
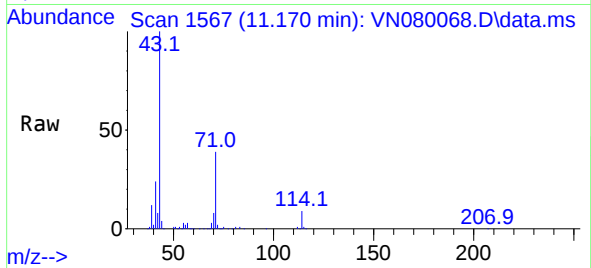




#59
2-Hexanone
Concen: 59.615 ug/l
RT: 11.170 min Scan# 11170
Delta R.T. -0.029 min
Lab File: VN080068.D
Acq: 13 Nov 2023 15:53

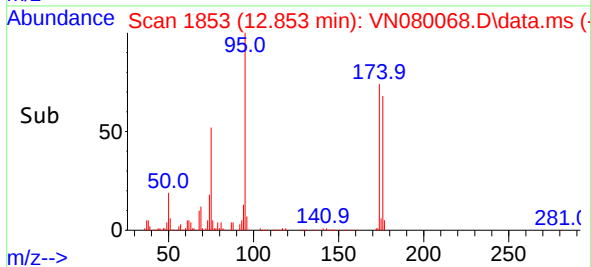
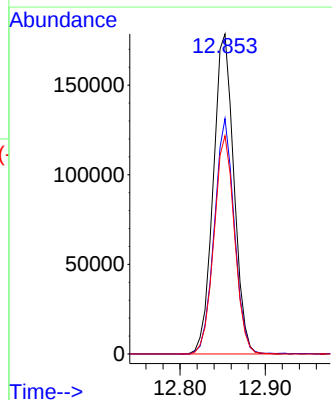
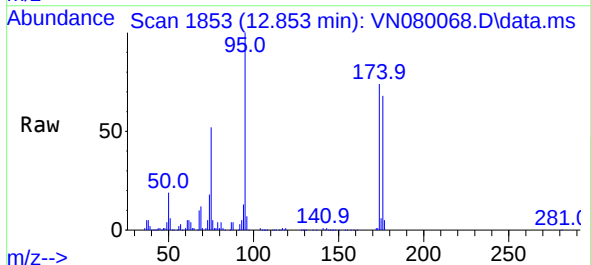
Instrument :
MSVOA_N
ClientSampleId :

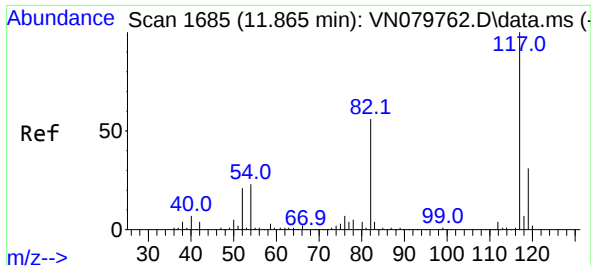
Tgt Ion: 43 Resp: 248629
Ion Ratio Lower Upper
43 100
58 0.0 31.7 95.1#



#62
4-Bromofluorobenzene
Concen: 58.232 ug/l
RT: 12.853 min Scan# 1853
Delta R.T. 0.000 min
Lab File: VN080068.D
Acq: 13 Nov 2023 15:53

Tgt Ion: 95 Resp: 299798
Ion Ratio Lower Upper
95 100
174 71.4 0.0 143.8
176 67.8 0.0 135.8

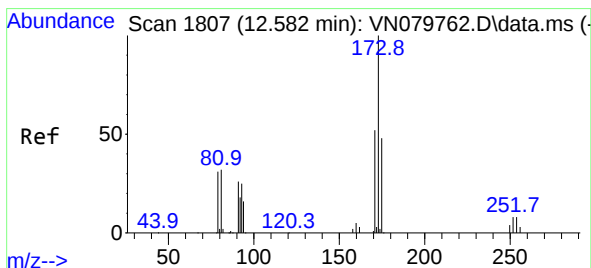
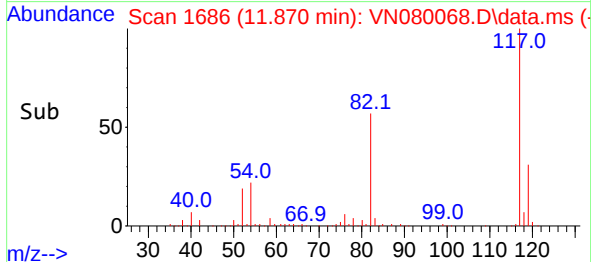
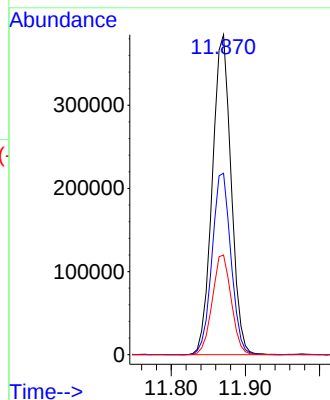
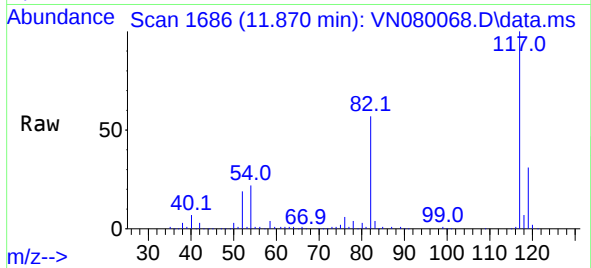




#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.870 min Scan# 117
Delta R.T. 0.000 min
Lab File: VN080068.D
Acq: 13 Nov 2023 15:53

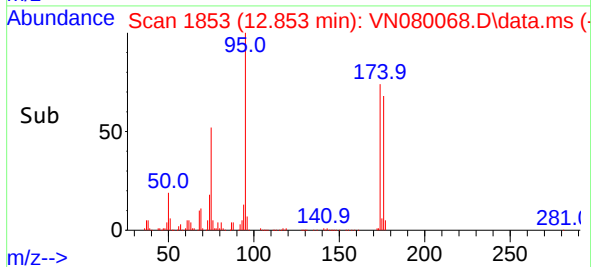
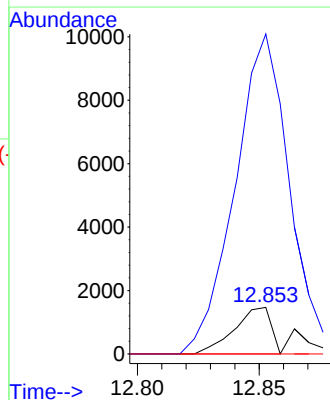
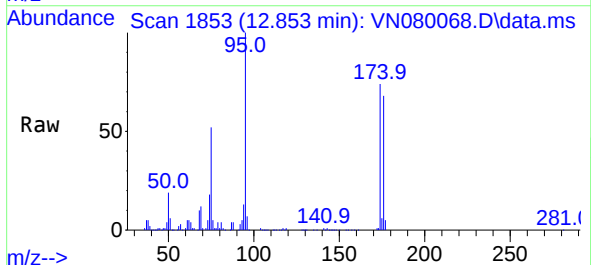
Instrument :
MSVOA_N
ClientSampleId :

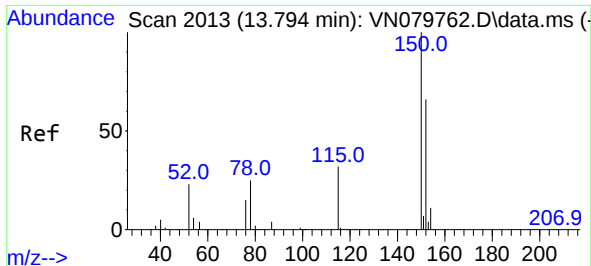
Tgt Ion:117 Resp: 678034
Ion Ratio Lower Upper
117 100
82 56.7 44.0 66.0
119 31.2 25.6 38.4



#71
Bromoform
Concen: 0.410 ug/l
RT: 12.853 min Scan# 1853
Delta R.T. 0.271 min
Lab File: VN080068.D
Acq: 13 Nov 2023 15:53

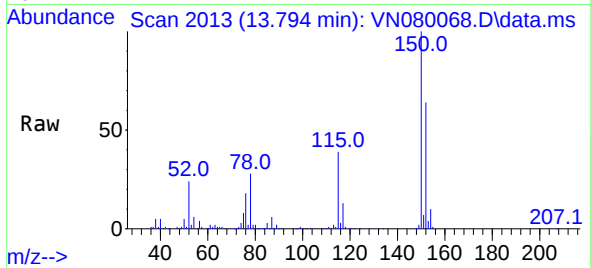
Tgt Ion:173 Resp: 1544
Ion Ratio Lower Upper
173 100
175 858.4 24.3 73.0#
254 0.0 0.0 0.0



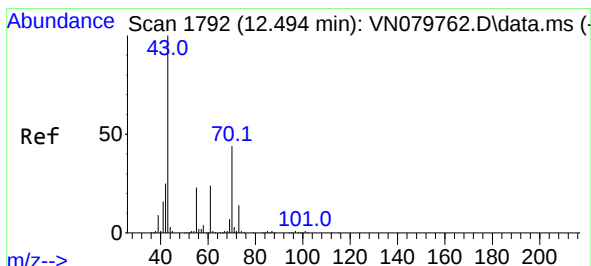
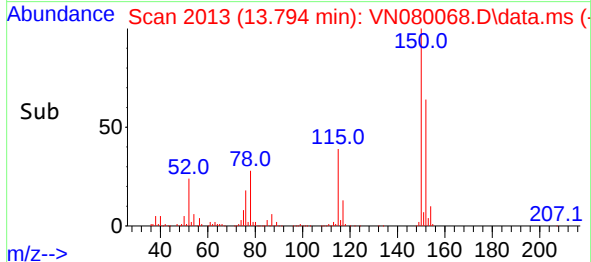
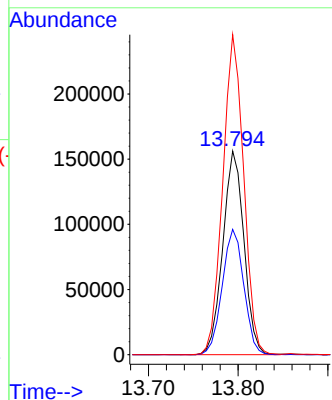


#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 13.794 min Scan# 2013
Delta R.T. 0.000 min
Lab File: VN080068.D
Acq: 13 Nov 2023 15:53

Instrument :
MSVOA_N
ClientSampleId :

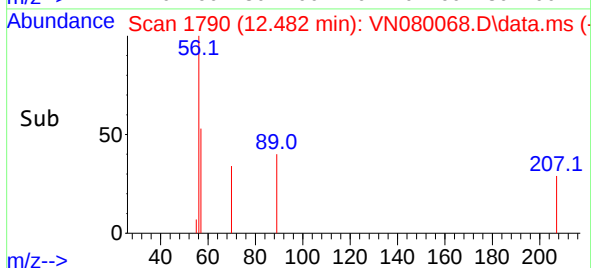
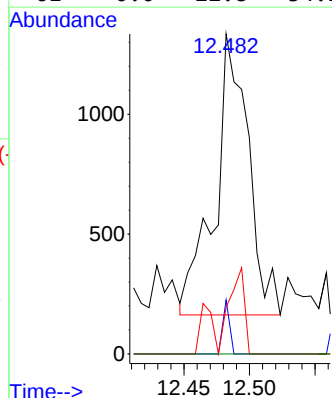
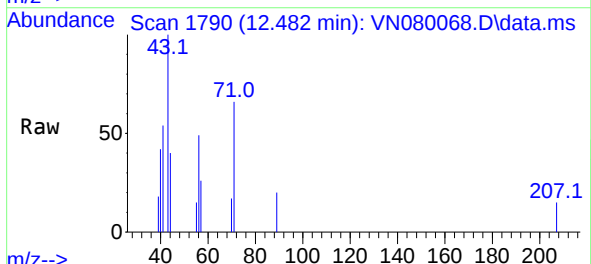


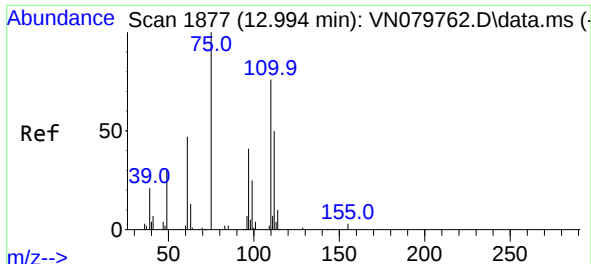
Tgt Ion:152 Resp: 255428
Ion Ratio Lower Upper
152 100
115 62.9 32.3 96.8
150 155.5 0.0 355.8



#74
N-ethyl acetate
Concen: 0.246 ug/l
RT: 12.482 min Scan# 1790
Delta R.T. -0.012 min
Lab File: VN080068.D
Acq: 13 Nov 2023 15:53

Tgt Ion: 43 Resp: 2078
Ion Ratio Lower Upper
43 100
70 3.8 43.4 65.2#
55 14.0 21.4 32.0#
61 0.0 22.8 34.2#

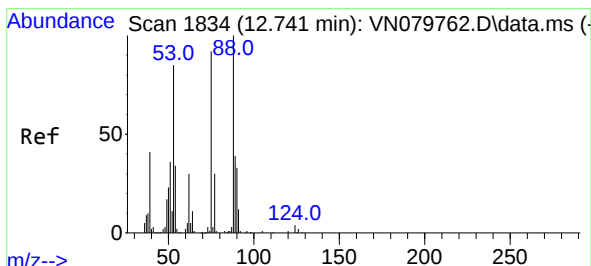
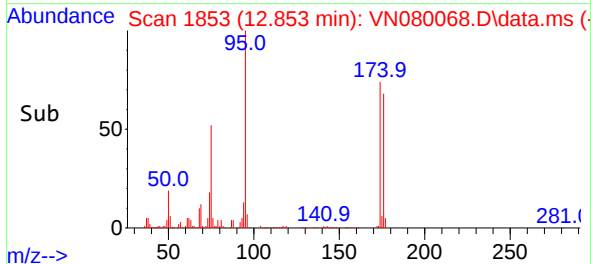
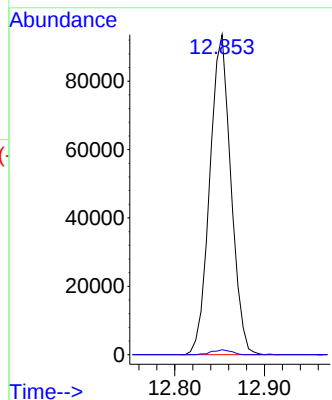
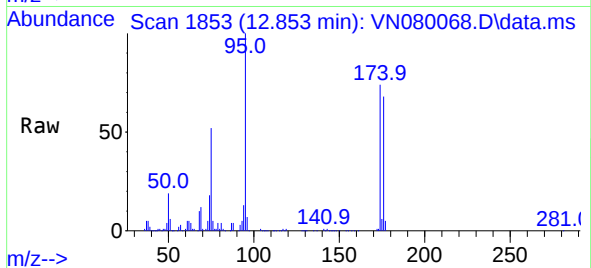




#76
1,2,3-Trichloropropane
Concen: 25.549 ug/l
RT: 12.853 min Scan# 1853
Delta R.T. -0.141 min
Lab File: VN080068.D
Acq: 13 Nov 2023 15:53

Instrument :
MSVOA_N
ClientSampleId :

Tgt Ion: 75 Resp: 153207
Ion Ratio Lower Upper
75 100
77 1.4 84.5 253.5#



#81
trans-1,4-Dichloro-2-butene
Concen: 69.512 ug/l
RT: 12.853 min Scan# 1853
Delta R.T. 0.118 min
Lab File: VN080068.D
Acq: 13 Nov 2023 15:53

Tgt Ion: 75 Resp: 153207
Ion Ratio Lower Upper
75 100
53 0.1 67.4 101.2#
89 0.0 38.8 58.2#

