

Data Path : Z:\voasrv\HPCHEM1\MSVOA_N\Data\VN110923\
 Data File : VN080038.D
 Acq On : 09 Nov 2023 21:45
 Operator : JC\MD
 Sample : 05311-15
 Misc : 5.0mL/MSVOA_N/WATER
 ALS Vial : 19 Sample Multiplier: 1

Instrument :
 MSVOA_N
 ClientSampleId :

Quant Time: Nov 10 00:43:14 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

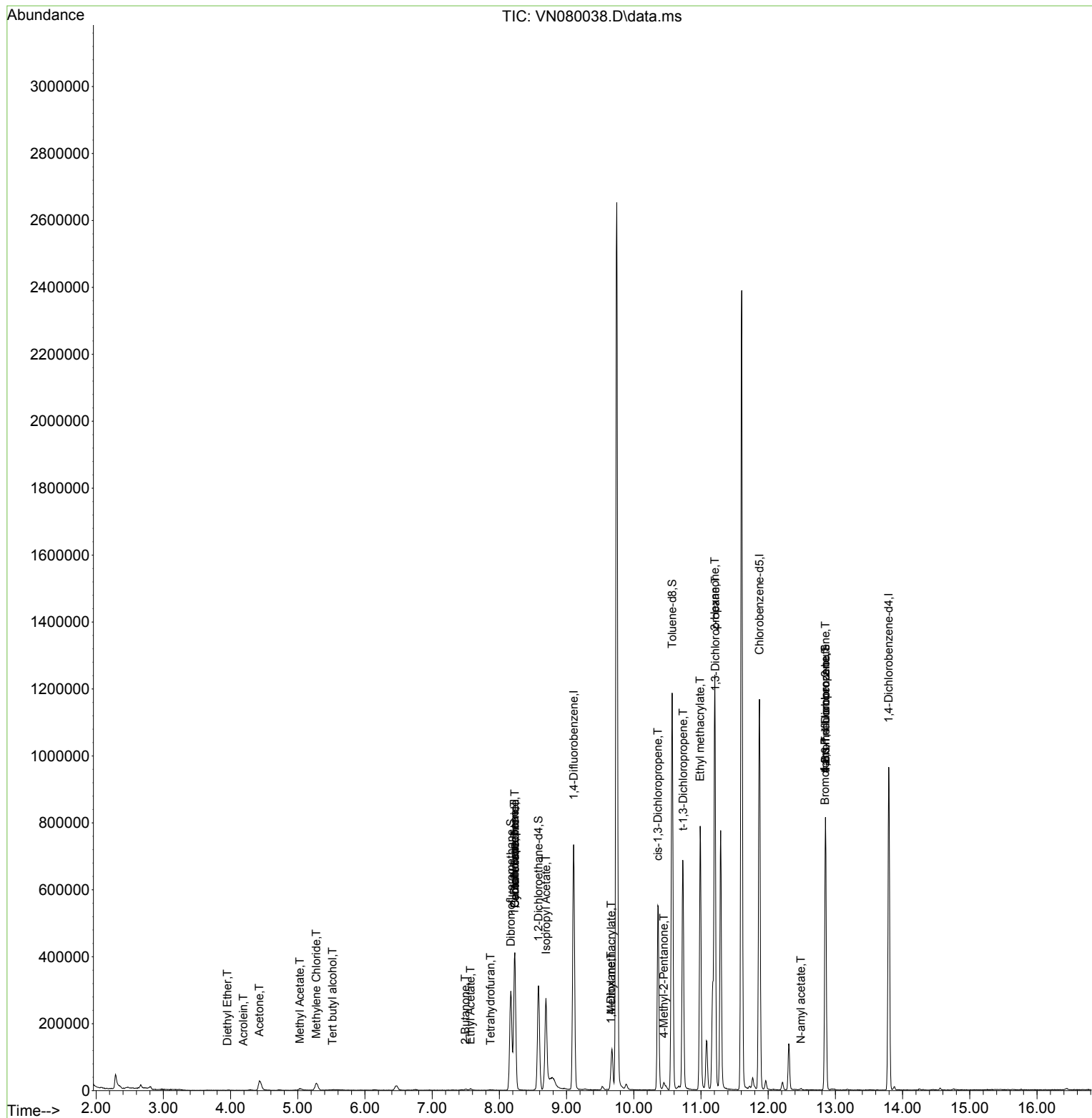
Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
Internal Standards						
1) Pentafluorobenzene	8.230	168	282945	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	9.106	114	609057	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.870	117	670151	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.794	152	254624	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.582	65	256687	59.546	ug/l	0.00
Spiked Amount	50.000	Range	74 - 125	Recovery	= 119.100%	
35) Dibromofluoromethane	8.171	113	215488	49.990	ug/l	0.00
Spiked Amount	50.000	Range	75 - 124	Recovery	= 99.980%	
50) Toluene-d8	10.571	98	801897	50.532	ug/l	0.00
Spiked Amount	50.000	Range	86 - 113	Recovery	= 101.060%	
62) 4-Bromofluorobenzene	12.853	95	282649	53.705	ug/l	0.00
Spiked Amount	50.000	Range	83 - 123	Recovery	= 107.420%	
Target Compounds						Qvalue
3) Chloromethane	2.359	50	1294	Below Cal	#	66
8) Diethyl Ether	3.953	74	480	0.228	ug/l	99
11) Tert butyl alcohol	5.518	59	331	0.602	ug/l #	72
13) Acrolein	4.189	56	62	2.699	ug/l #	16
16) Acetone	4.430	43	56361	37.222	ug/l	97
18) Methyl Acetate	5.030	43	5056	0.698	ug/l #	82
20) Methylene Chloride	5.277	84	16579	4.339	ug/l	92
25) 2-Butanone	7.494	43	5773	2.604	ug/l #	77
29) Tetrahydrofuran	7.871	42	1426	0.988	ug/l #	23
31) Cyclohexane	8.230	56	7461	1.310	ug/l #	1
36) 1,1-Dichloropropene	8.224	75	24413	3.966	ug/l #	47
37) Ethyl Acetate	7.571	43	7454	1.321	ug/l #	86
38) Carbon Tetrachloride	8.230	117	31186	5.028	ug/l #	15
43) Isopropyl Acetate	8.694	43	310816	31.398	ug/l #	79
48) Methyl methacrylate	9.665	41	7730	1.783	ug/l #	28
49) 1,4-Dioxane	9.659	88	65	0.848	ug/l #	1
51) 4-Methyl-2-Pentanone	10.447	43	21692	3.892	ug/l #	73
53) t-1,3-Dichloropropene	10.735	75	1988	0.296	ug/l #	88
54) cis-1,3-Dichloropropene	10.359	75	97431	13.291	ug/l #	71
56) Ethyl methacrylate	10.988	69	4091	0.652	ug/l #	1
57) 1,3-Dichloropropane	11.212	76	12570	1.622	ug/l #	44
59) 2-Hexanone	11.206	43	150295	35.252	ug/l #	49
71) Bromoform	12.847	173	1847	0.497	ug/l #	1
74) N-amyl acetate	12.488	43	2183	0.259	ug/l #	41
76) 1,2,3-Trichloropropane	12.853	75	149645	25.033	ug/l #	1
81) trans-1,4-Dichloro-2-b...	12.853	75	149645	68.110	ug/l #	15

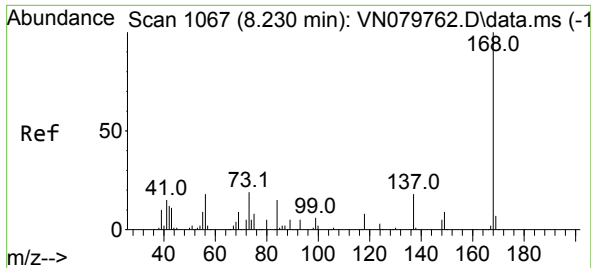
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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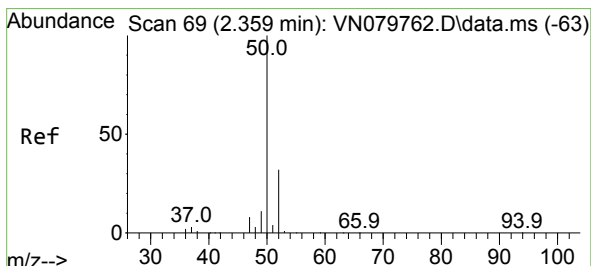
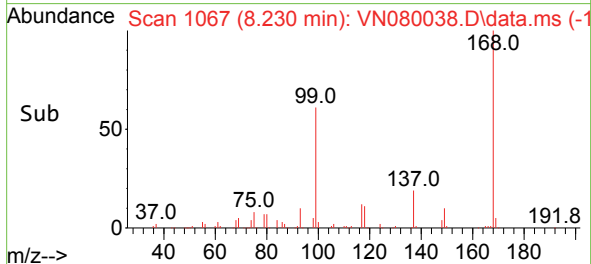
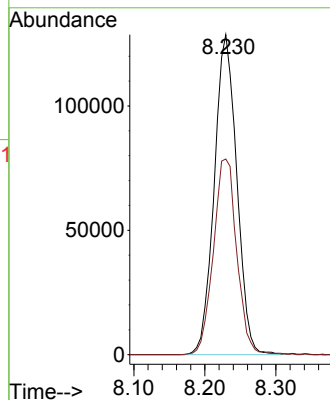
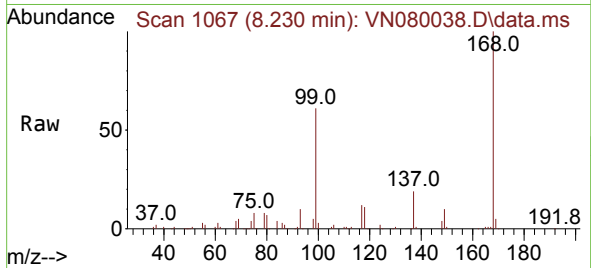




#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 8.230 min Scan# 1067
Delta R.T. 0.001 min
Lab File: VN080038.D
Acq: 09 Nov 2023 21:45

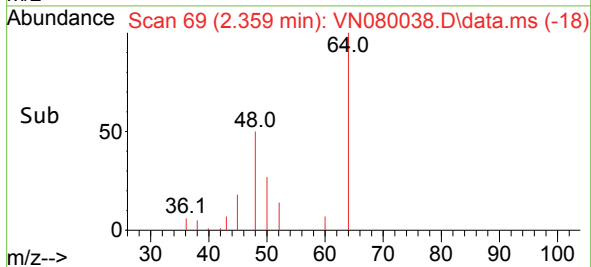
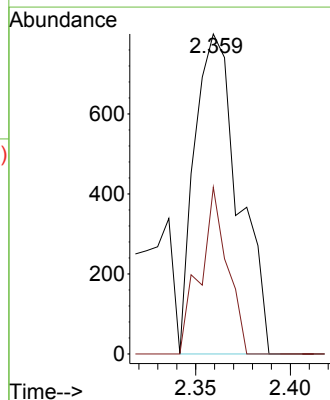
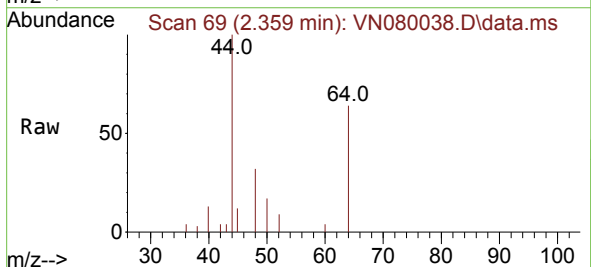
Instrument :
MSVOA_N
ClientSampleId :

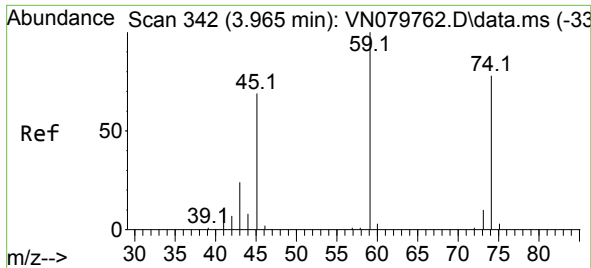
Tgt Ion:168 Resp: 282945
Ion Ratio Lower Upper
168 100
99 61.2 53.0 79.6



#3
Chloromethane
Concen: Below Cal
RT: 2.359 min Scan# 69
Delta R.T. 0.000 min
Lab File: VN080038.D
Acq: 09 Nov 2023 21:45

Tgt Ion: 50 Resp: 1294
Ion Ratio Lower Upper
50 100
52 52.1 26.5 39.7#





#8

Diethyl Ether

Concen: 0.228 ug/l

RT: 3.953 min Scan# 34

Delta R.T. -0.012 min

Lab File: VN080038.D

Acq: 09 Nov 2023 21:45

Instrument :

MSVOA_N

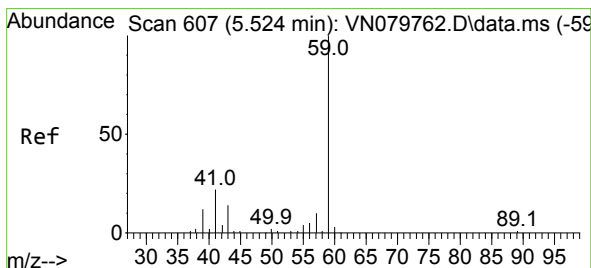
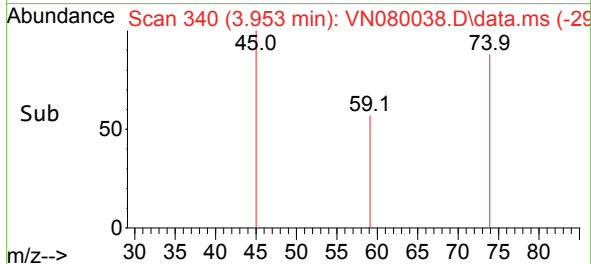
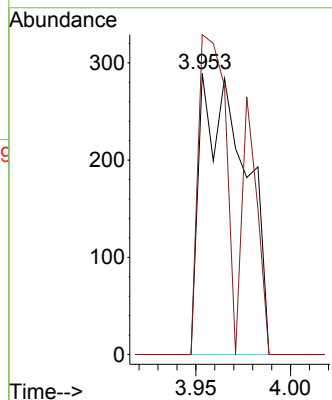
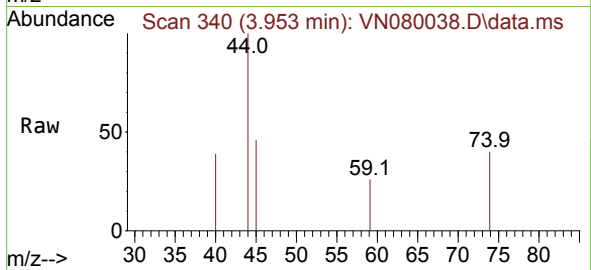
ClientSampleId :

Tgt Ion: 74 Resp: 480

Ion Ratio Lower Upper

74 100

45 67.9 34.4 103.3



#11

Tert butyl alcohol

Concen: 0.602 ug/l

RT: 5.518 min Scan# 606

Delta R.T. 0.000 min

Lab File: VN080038.D

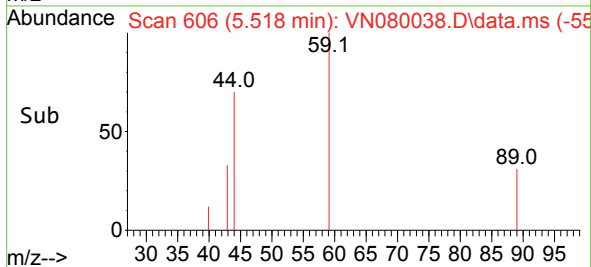
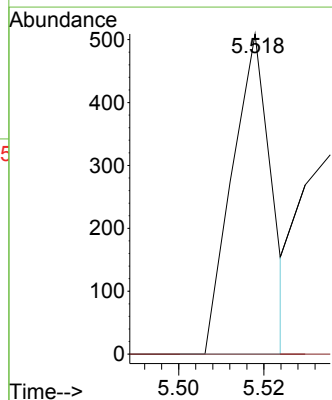
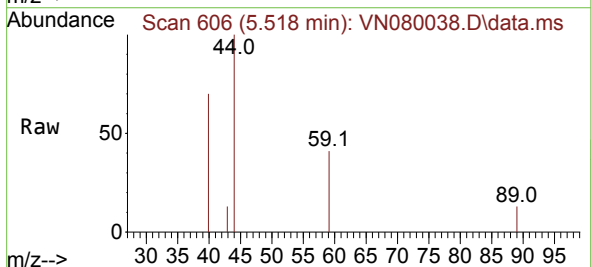
Acq: 09 Nov 2023 21:45

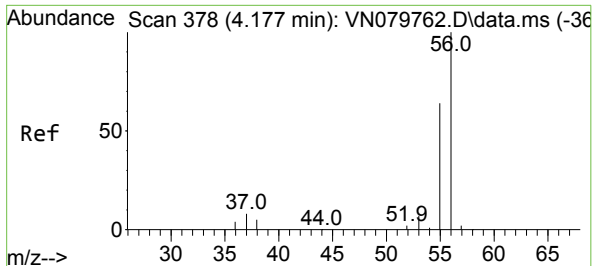
Tgt Ion: 59 Resp: 331

Ion Ratio Lower Upper

59 100

57 0.0 8.2 12.4#

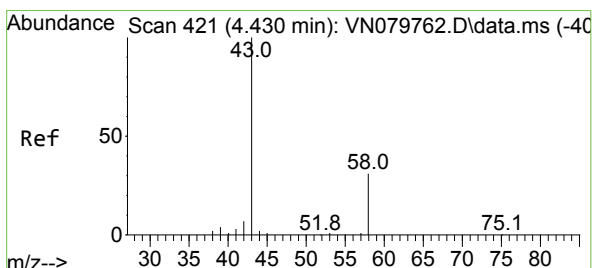
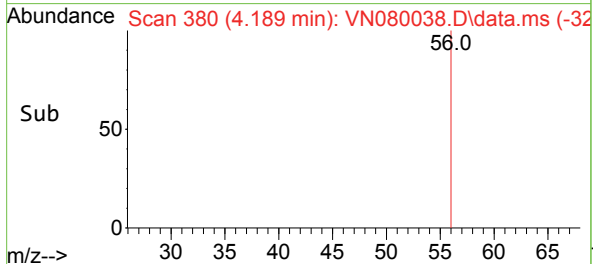
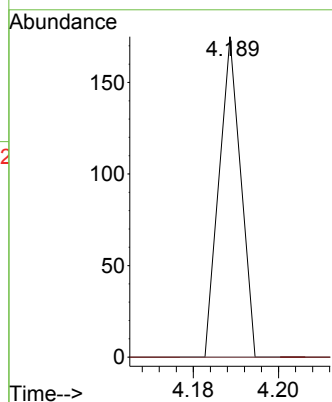
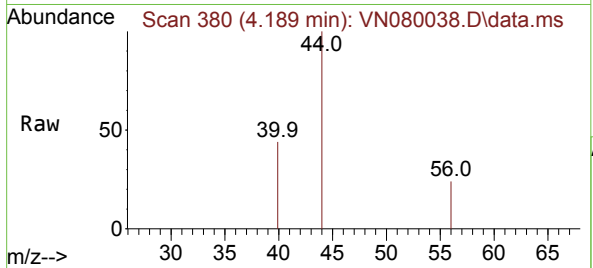




#13
Acrolein
Concen: 2.699 ug/l
RT: 4.189 min Scan# 378
Delta R.T. 0.006 min
Lab File: VN080038.D
Acq: 09 Nov 2023 21:45

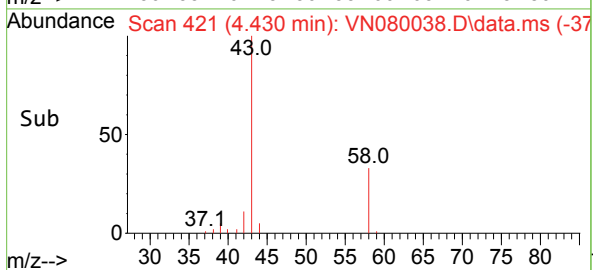
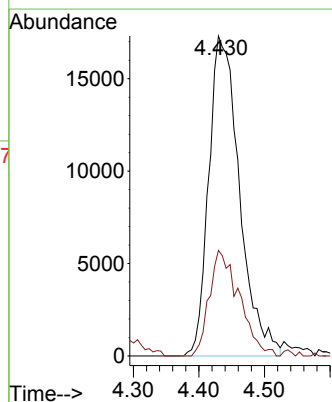
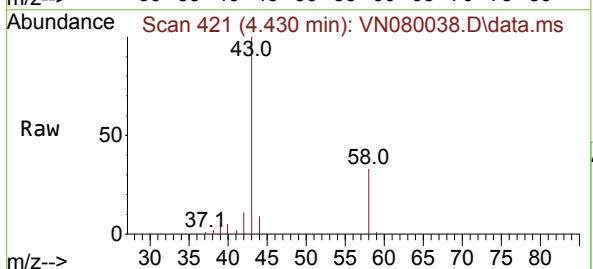
Instrument :
MSVOA_N
ClientSampleId :

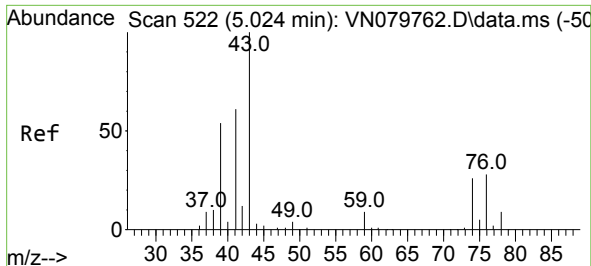
Tgt Ion: 56 Resp: 62
Ion Ratio Lower Upper
56 100
55 0.0 54.5 81.7#



#16
Acetone
Concen: 37.222 ug/l
RT: 4.430 min Scan# 421
Delta R.T. 0.000 min
Lab File: VN080038.D
Acq: 09 Nov 2023 21:45

Tgt Ion: 43 Resp: 56361
Ion Ratio Lower Upper
43 100
58 33.0 28.0 42.0

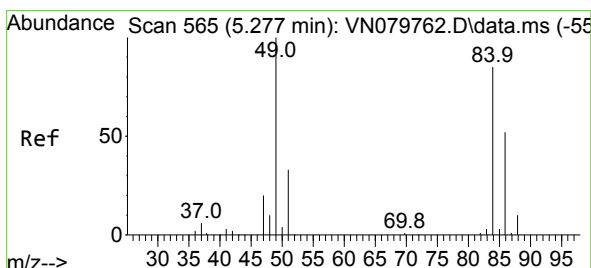
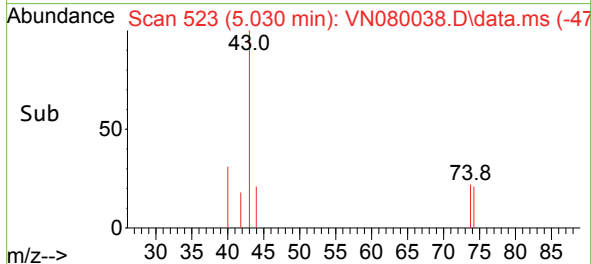
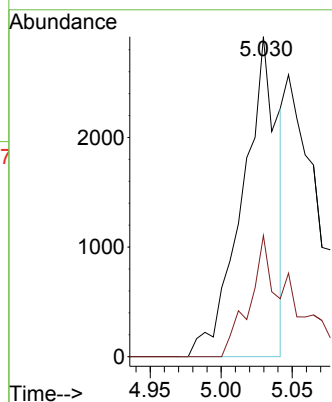
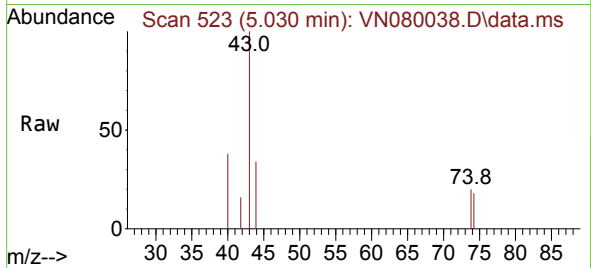




#18
Methyl Acetate
Concen: 0.698 ug/l
RT: 5.030 min Scan# 51
Delta R.T. 0.006 min
Lab File: VN080038.D
Acq: 09 Nov 2023 21:45

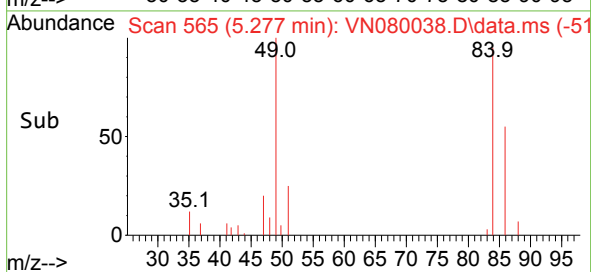
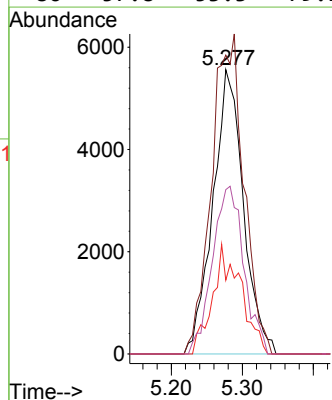
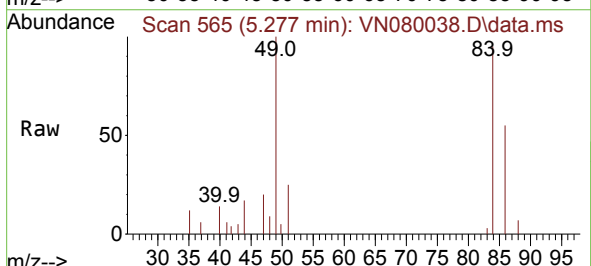
Instrument :
MSVOA_N
ClientSampleId :

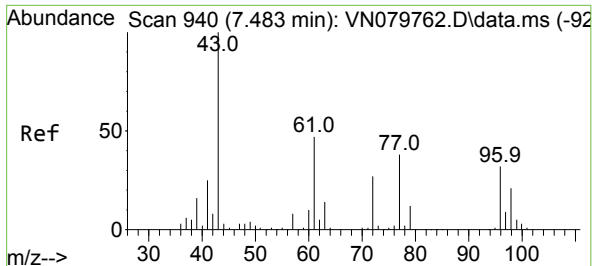
Tgt Ion: 43 Resp: 5056
Ion Ratio Lower Upper
43 100
74 43.0 26.2 39.4#



#20
Methylene Chloride
Concen: 4.339 ug/l
RT: 5.277 min Scan# 565
Delta R.T. 0.006 min
Lab File: VN080038.D
Acq: 09 Nov 2023 21:45

Tgt Ion: 84 Resp: 16579
Ion Ratio Lower Upper
84 100
49 105.1 79.7 119.5
51 26.0 25.2 37.8
86 57.8 53.3 79.9

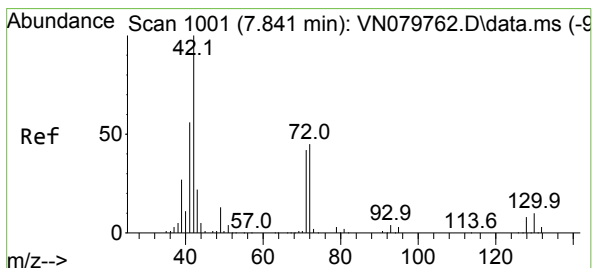
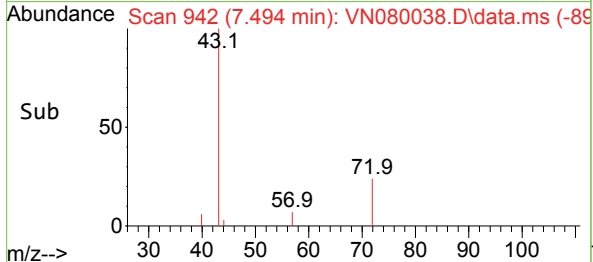
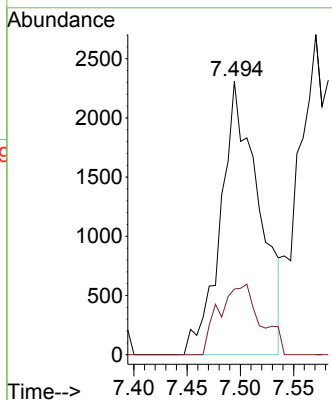
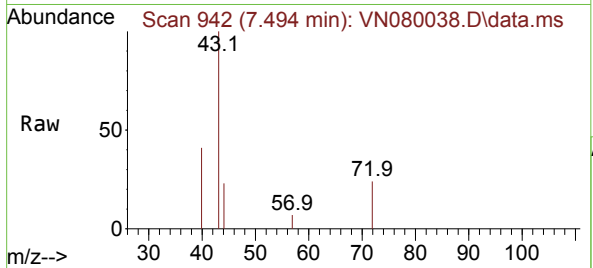




#25
2-Butanone
Concen: 2.604 ug/l
RT: 7.494 min Scan# 940
Delta R.T. 0.006 min
Lab File: VN080038.D
Acq: 09 Nov 2023 21:45

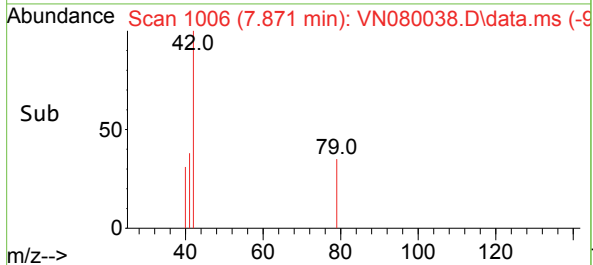
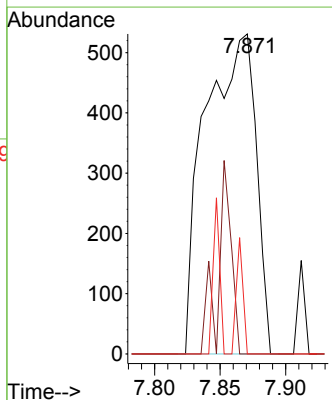
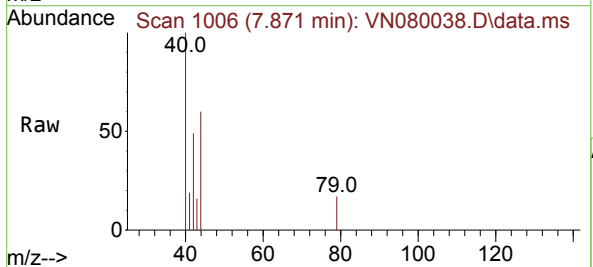
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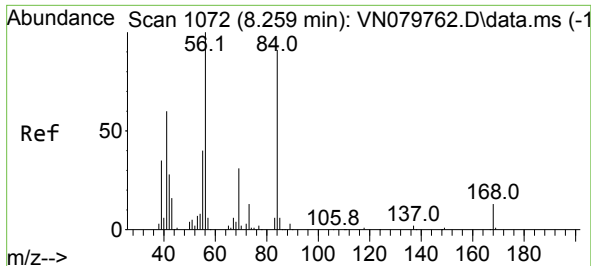
Tgt Ion: 43 Resp: 5773
Ion Ratio Lower Upper
43 100
72 24.0 30.2 45.2#



#29
Tetrahydrofuran
Concen: 0.988 ug/l
RT: 7.871 min Scan# 1006
Delta R.T. 0.029 min
Lab File: VN080038.D
Acq: 09 Nov 2023 21:45

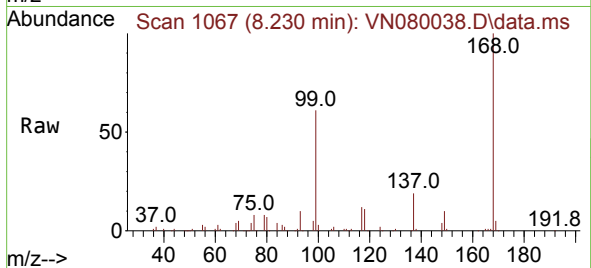
Tgt Ion: 42 Resp: 1426
Ion Ratio Lower Upper
42 100
72 0.0 49.8 74.6#
71 4.8 47.4 71.2#



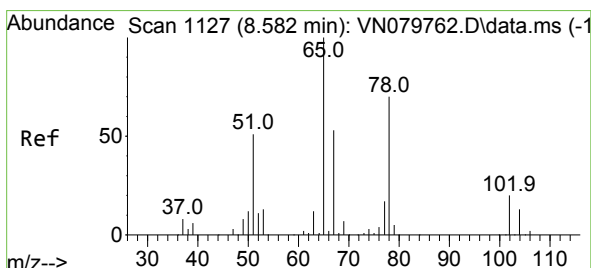
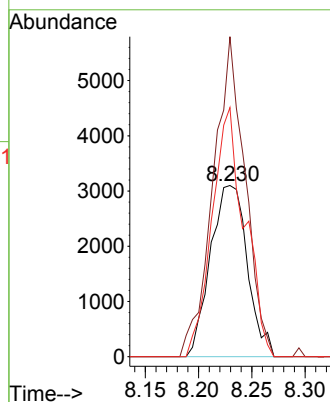
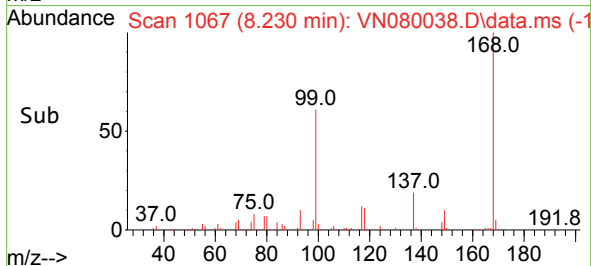


#31
Cyclohexane
Concen: 1.310 ug/l
RT: 8.230 min Scan# 1067
Delta R.T. -0.029 min
Lab File: VN080038.D
Acq: 09 Nov 2023 21:45

Instrument :
MSVOA_N
ClientSampleId :

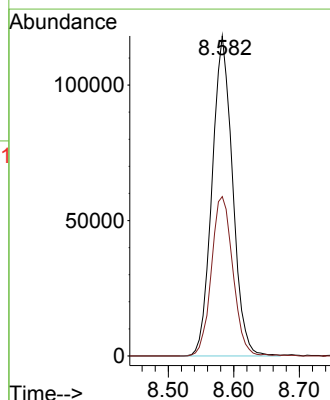
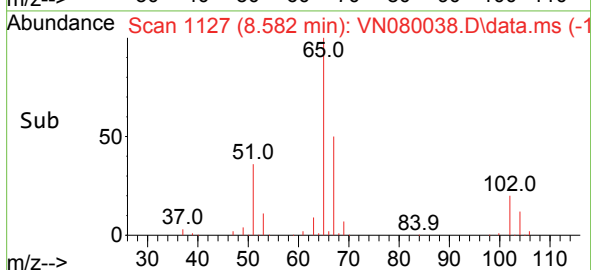
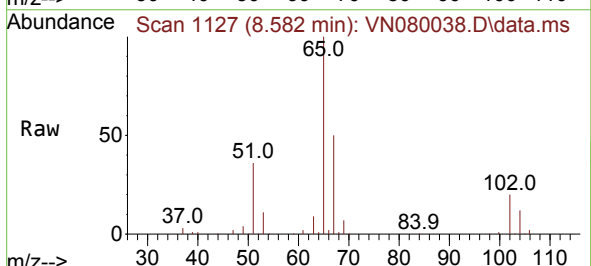


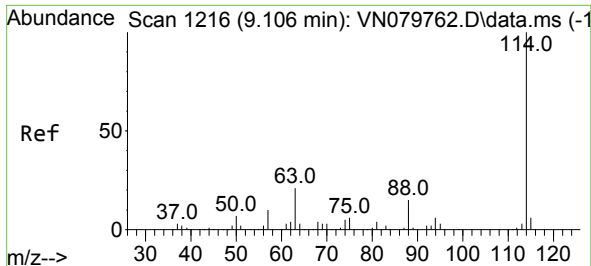
Tgt Ion: 56 Resp: 7461
Ion Ratio Lower Upper
56 100
69 186.9 26.8 40.2#
84 145.5 81.8 122.6#



#33
1,2-Dichloroethane-d4
Concen: 59.546 ug/l
RT: 8.582 min Scan# 1127
Delta R.T. 0.000 min
Lab File: VN080038.D
Acq: 09 Nov 2023 21:45

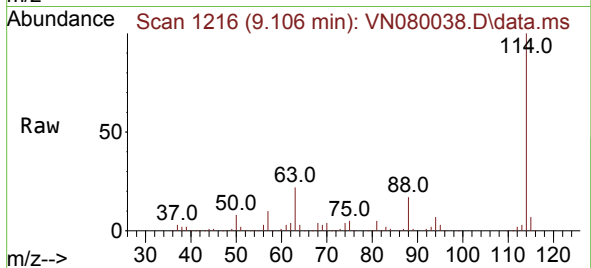
Tgt Ion: 65 Resp: 256687
Ion Ratio Lower Upper
65 100
67 52.1 0.0 106.6



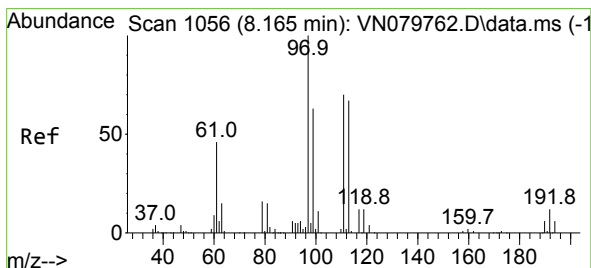
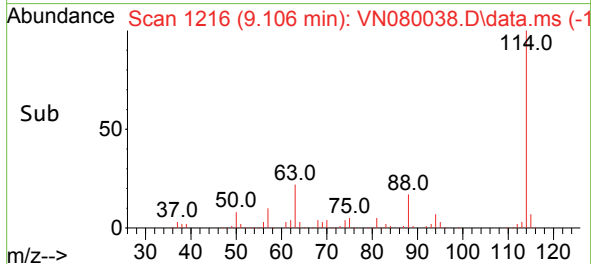
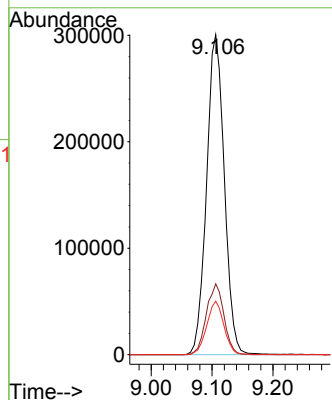


#34
1,4-Difluorobenzene
Concen: 50.000 ug/l
RT: 9.106 min Scan# 11
Delta R.T. 0.000 min
Lab File: VN080038.D
Acq: 09 Nov 2023 21:45

Instrument :
MSVOA_N
ClientSampleId :

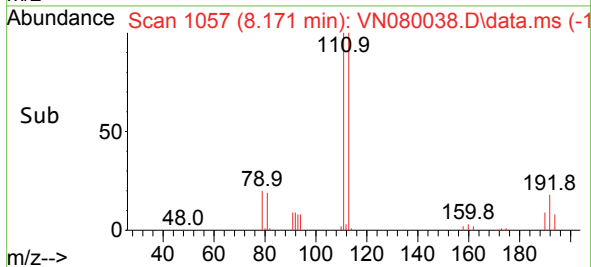
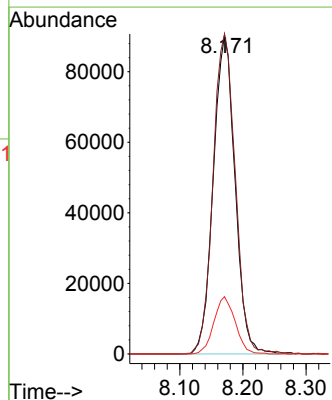
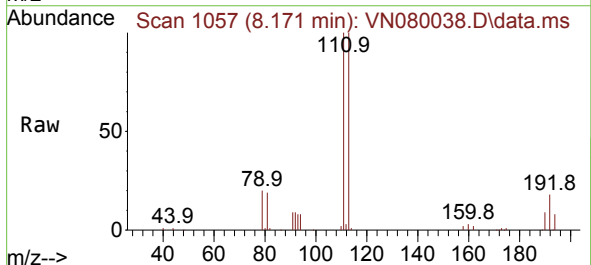


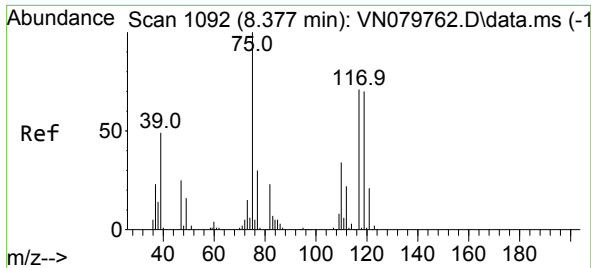
Tgt Ion:114 Resp: 609057
Ion Ratio Lower Upper
114 100
63 22.2 0.0 36.4
88 16.7 0.0 30.6



#35
Dibromofluoromethane
Concen: 49.990 ug/l
RT: 8.171 min Scan# 1057
Delta R.T. 0.000 min
Lab File: VN080038.D
Acq: 09 Nov 2023 21:45

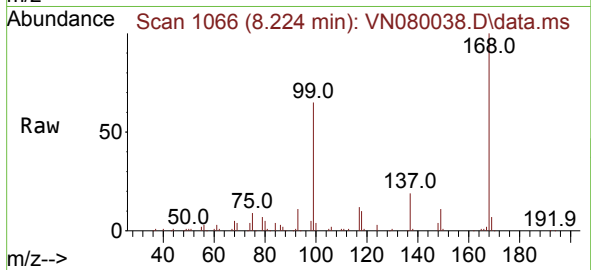
Tgt Ion:113 Resp: 215488
Ion Ratio Lower Upper
113 100
111 102.9 82.6 123.8
192 17.7 12.7 19.1



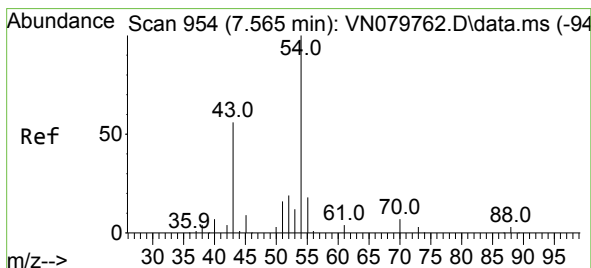
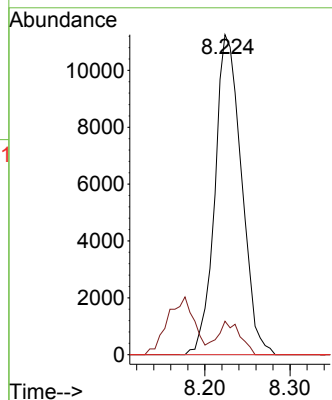
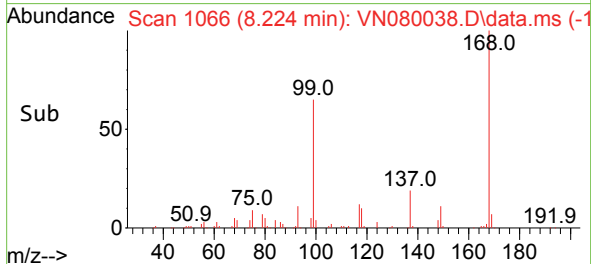


#36
1,1-Dichloropropene
Concen: 3.966 ug/l
RT: 8.224 min Scan# 1066
Delta R.T. -0.153 min
Lab File: VN080038.D
Acq: 09 Nov 2023 21:45

Instrument :
MSVOA_N
ClientSampleId :

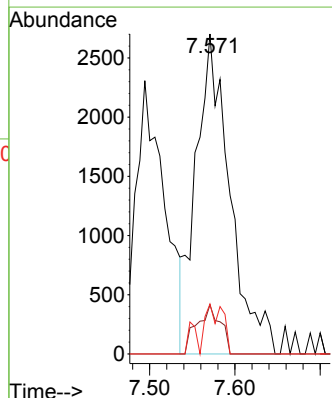
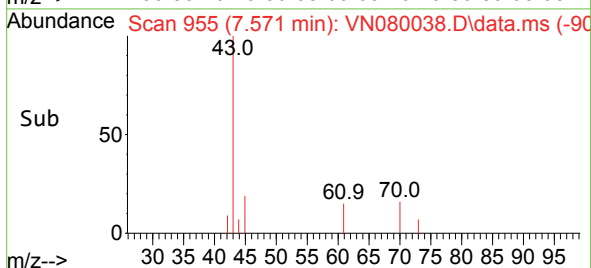
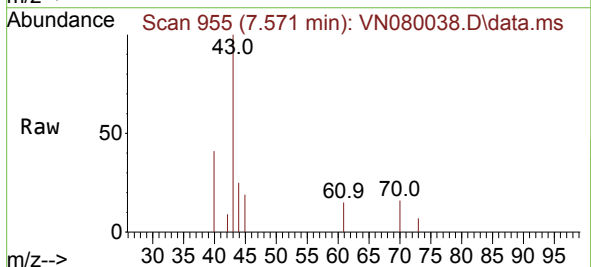


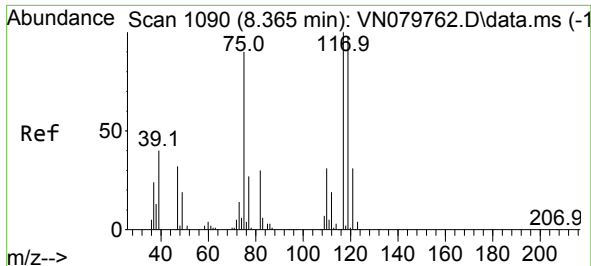
Tgt Ion: 75 Resp: 24413
Ion Ratio Lower Upper
75 100
110 8.4 19.1 57.3#
77 0.0 25.0 37.4#



#37
Ethyl Acetate
Concen: 1.321 ug/l
RT: 7.571 min Scan# 955
Delta R.T. 0.006 min
Lab File: VN080038.D
Acq: 09 Nov 2023 21:45

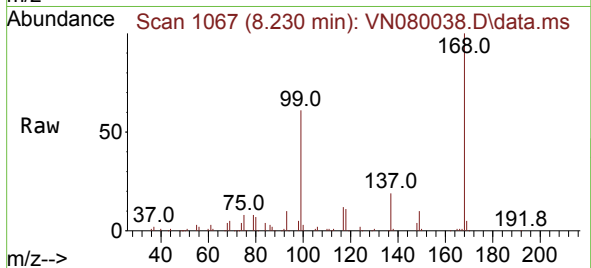
Tgt Ion: 43 Resp: 7454
Ion Ratio Lower Upper
43 100
61 10.5 13.2 19.8#
70 8.2 11.3 16.9#



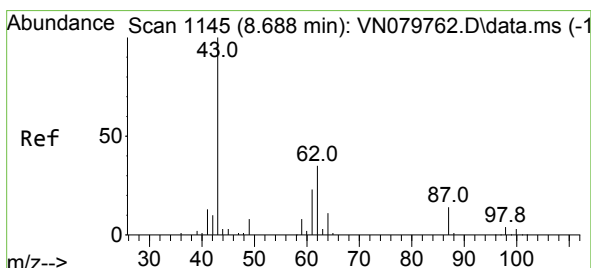
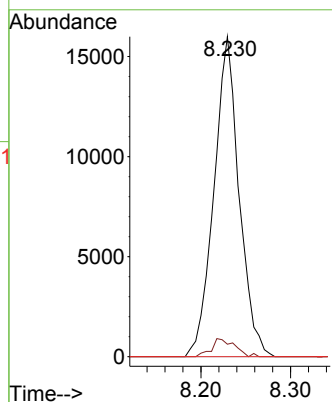
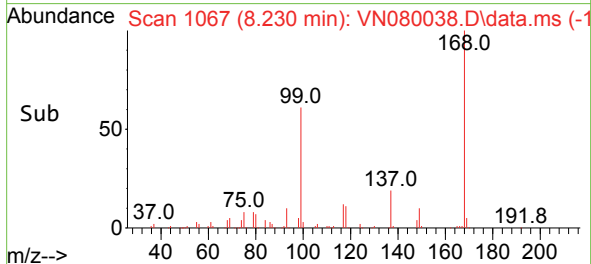


#38
Carbon Tetrachloride
Concen: 5.028 ug/l
RT: 8.230 min Scan# 1090
Delta R.T. -0.129 min
Lab File: VN080038.D
Acq: 09 Nov 2023 21:45

Instrument :
MSVOA_N
ClientSampleId :

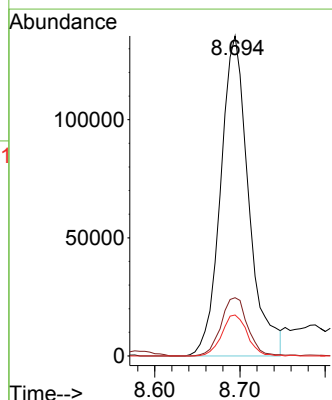
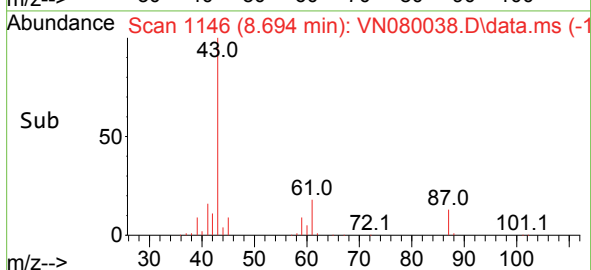
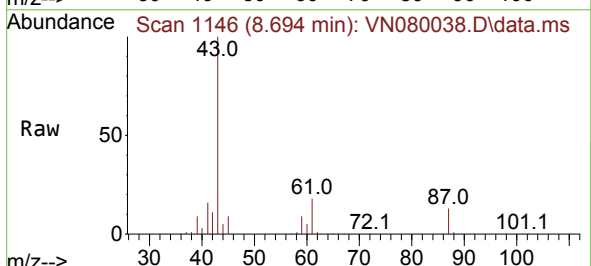


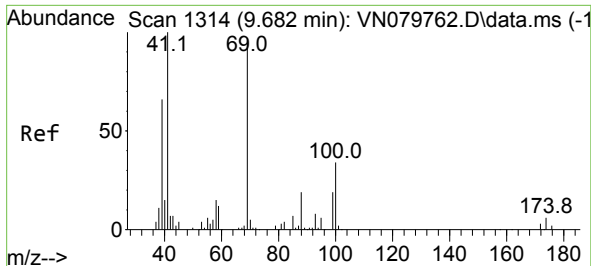
Tgt Ion:117 Resp: 31186
Ion Ratio Lower Upper
117 100
119 3.9 77.3 115.9#
121 0.0 23.3 34.9#



#43
Isopropyl Acetate
Concen: 31.398 ug/l
RT: 8.694 min Scan# 1146
Delta R.T. 0.006 min
Lab File: VN080038.D
Acq: 09 Nov 2023 21:45

Tgt Ion: 43 Resp: 310816
Ion Ratio Lower Upper
43 100
61 17.3 24.7 37.1#
87 11.6 14.6 21.8#

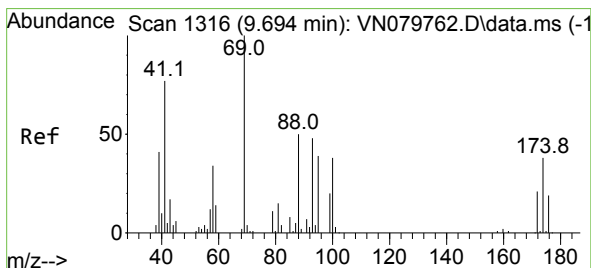
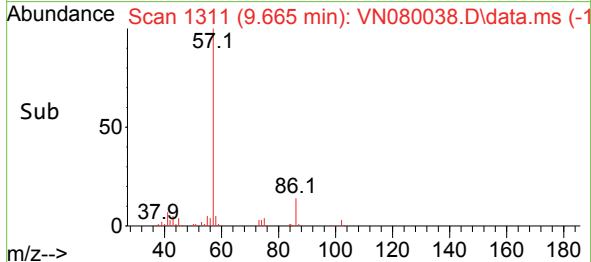
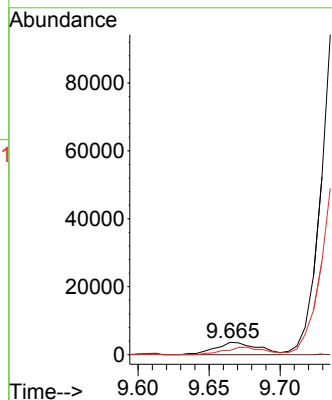
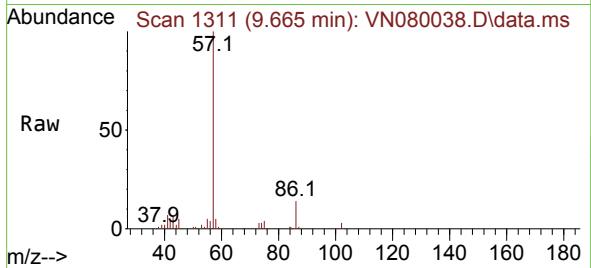




#48
Methyl methacrylate
Concen: 1.783 ug/l
RT: 9.665 min Scan# 11
Delta R.T. -0.018 min
Lab File: VN080038.D
Acq: 09 Nov 2023 21:45

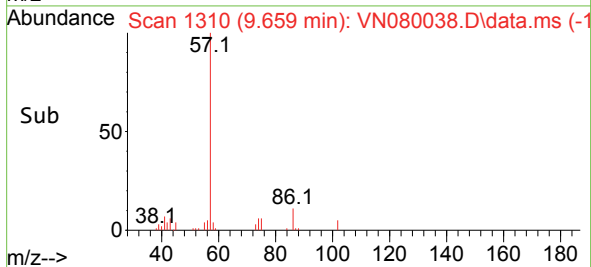
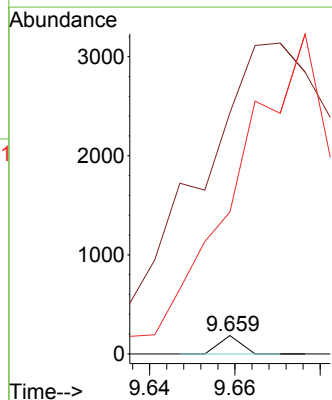
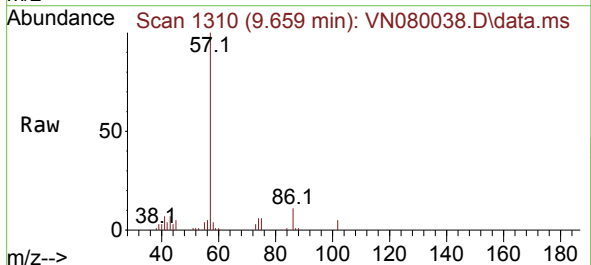
Instrument :
MSVOA_N
ClientSampleId :

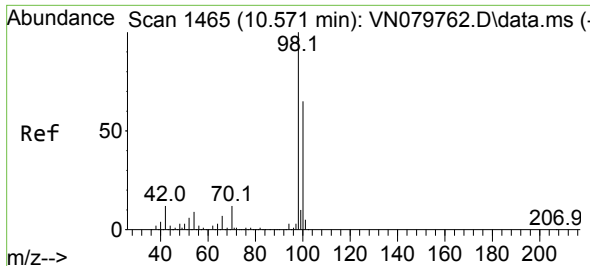
Tgt Ion: 41 Resp: 7730
Ion Ratio Lower Upper
41 100
69 0.0 90.4 135.6#
39 55.1 54.6 81.8



#49
1,4-Dioxane
Concen: 0.848 ug/l
RT: 9.659 min Scan# 1310
Delta R.T. -0.035 min
Lab File: VN080038.D
Acq: 09 Nov 2023 21:45

Tgt Ion: 88 Resp: 65
Ion Ratio Lower Upper
88 100
43 0.0 17.0 25.6#
58 9333.8 47.0 70.4#

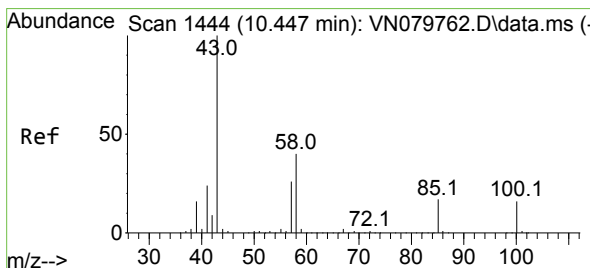
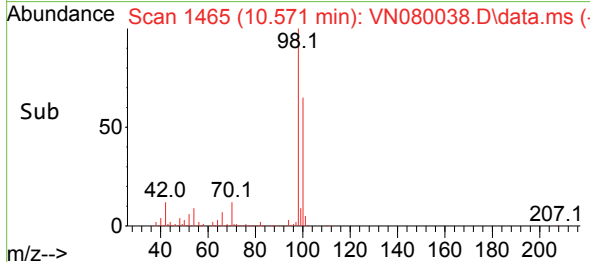
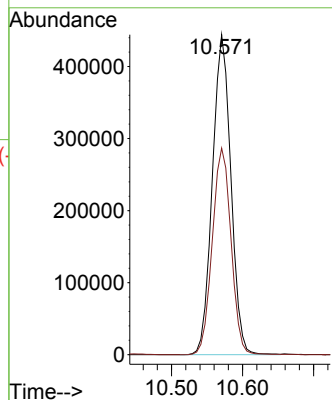
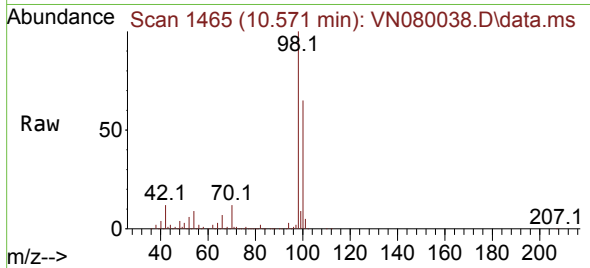




#50
Toluene-d8
Concen: 50.532 ug/l
RT: 10.571 min Scan# 1465
Delta R.T. 0.000 min
Lab File: VN080038.D
Acq: 09 Nov 2023 21:45

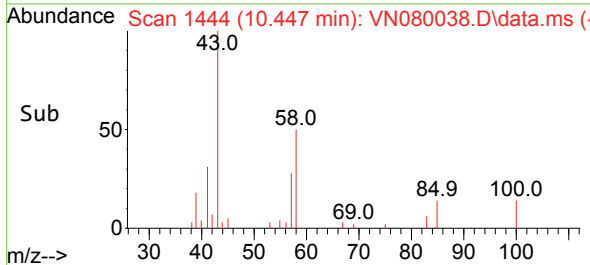
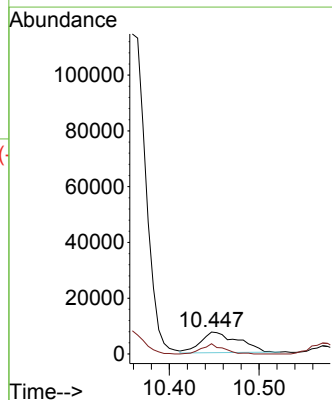
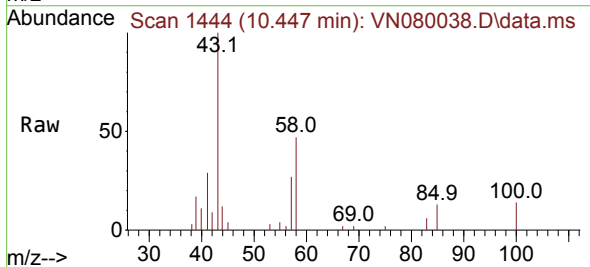
Instrument :
MSVOA_N
ClientSampleId :

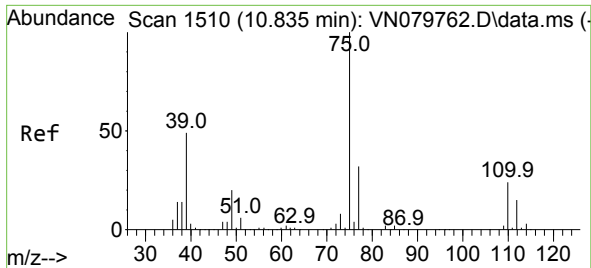
Tgt Ion: 98 Resp: 801897
Ion Ratio Lower Upper
98 100
100 65.4 52.0 78.0



#51
4-Methyl-2-Pentanone
Concen: 3.892 ug/l
RT: 10.447 min Scan# 1444
Delta R.T. 0.000 min
Lab File: VN080038.D
Acq: 09 Nov 2023 21:45

Tgt Ion: 43 Resp: 21692
Ion Ratio Lower Upper
43 100
58 27.9 36.6 54.8#

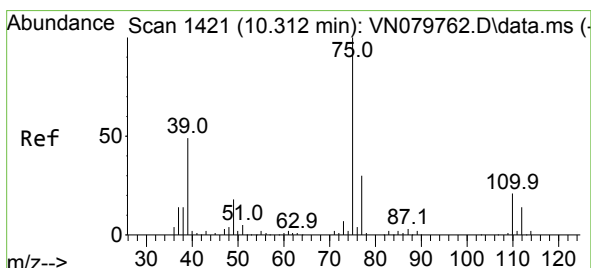
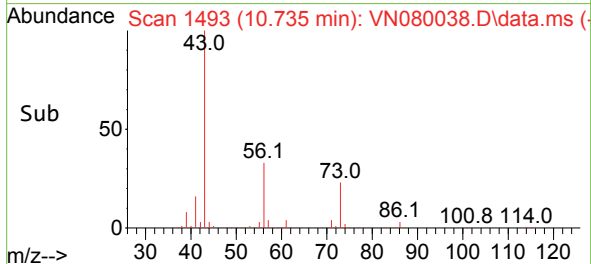
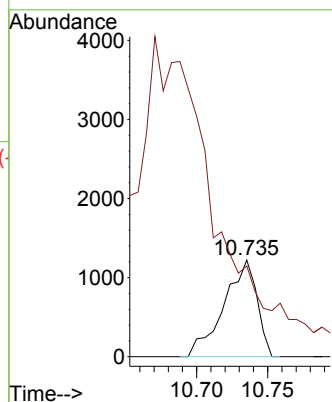
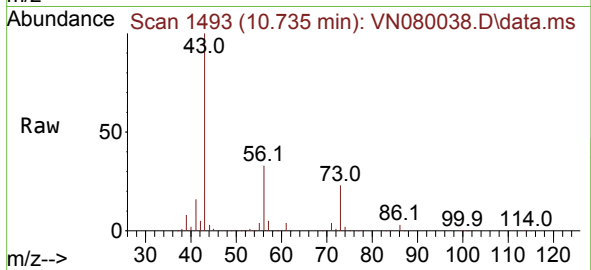




#53
 t-1,3-Dichloropropene
 Concen: 0.296 ug/l
 RT: 10.735 min Scan# 1493
 Delta R.T. -0.106 min
 Lab File: VN080038.D
 Acq: 09 Nov 2023 21:45

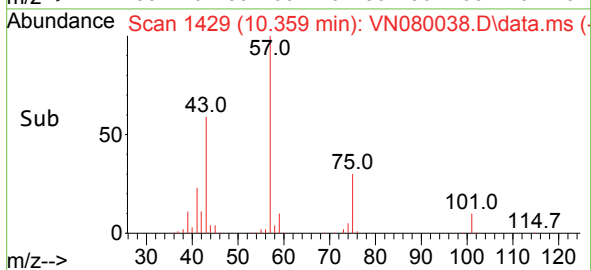
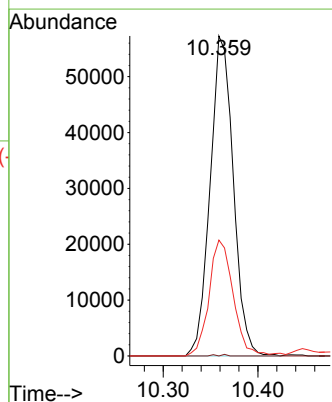
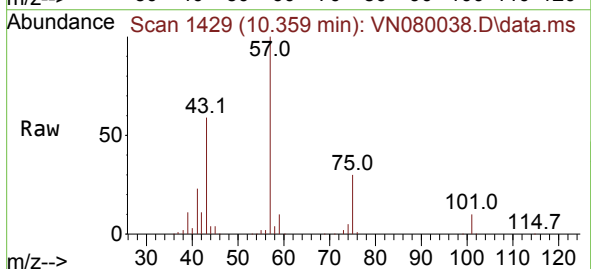
Instrument :
 MSVOA_N
 ClientSampleId :

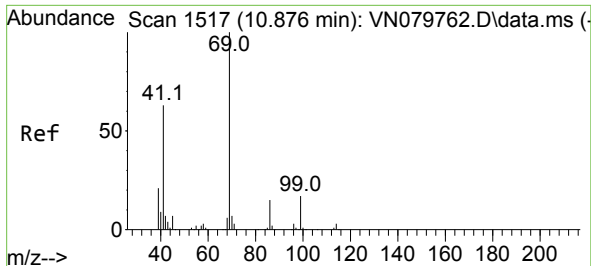
Tgt Ion: 75 Resp: 1988
 Ion Ratio Lower Upper
 75 100
 77 38.6 25.4 38.0#



#54
 cis-1,3-Dichloropropene
 Concen: 13.291 ug/l
 RT: 10.359 min Scan# 1429
 Delta R.T. 0.041 min
 Lab File: VN080038.D
 Acq: 09 Nov 2023 21:45

Tgt Ion: 75 Resp: 97431
 Ion Ratio Lower Upper
 75 100
 77 0.0 26.1 39.1#
 39 36.2 31.6 47.4

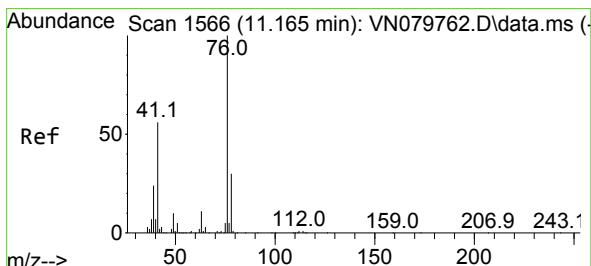
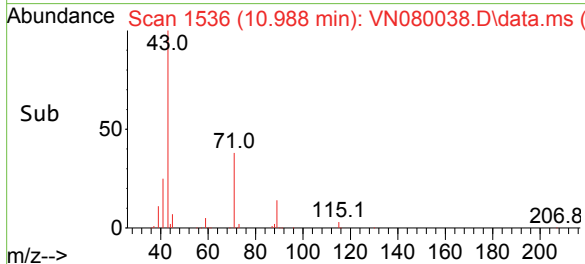
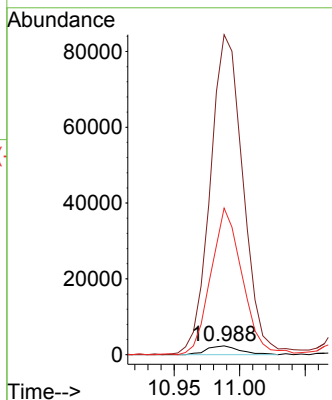
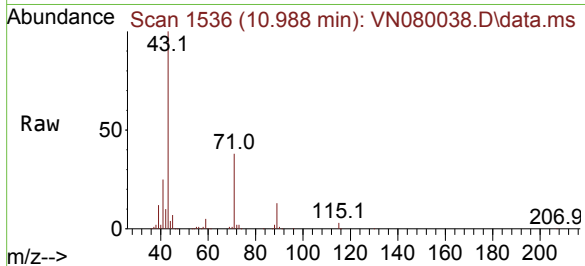




#56
Ethyl methacrylate
Concen: 0.652 ug/l
RT: 10.988 min Scan# 1536
Delta R.T. 0.112 min
Lab File: VN080038.D
Acq: 09 Nov 2023 21:45

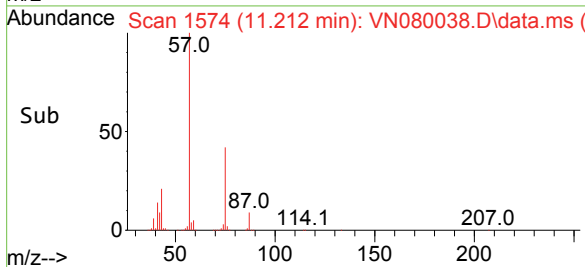
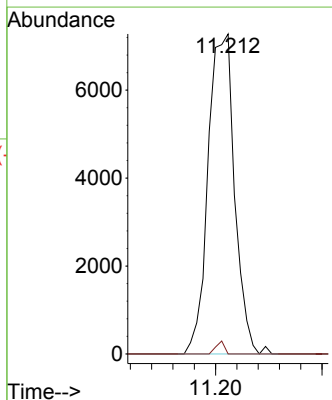
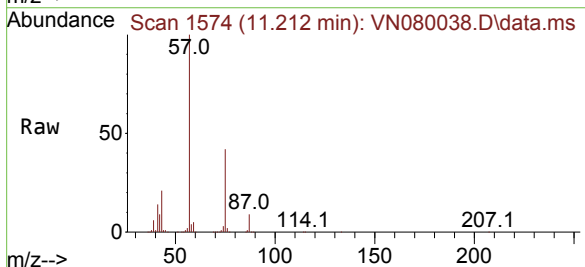
Instrument :
MSVOA_N
ClientSampleId :

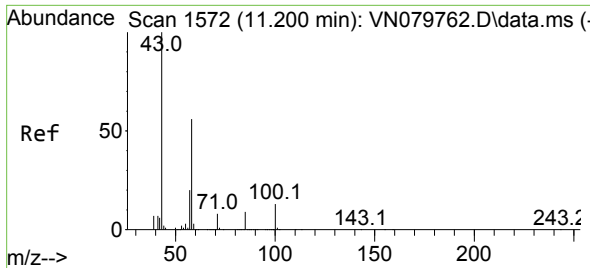
Tgt Ion: 69 Resp: 4091
Ion Ratio Lower Upper
69 100
41 3608.1 39.6 59.4#
39 1581.7 28.6 43.0#



#57
1,3-Dichloropropane
Concen: 1.622 ug/l
RT: 11.212 min Scan# 1574
Delta R.T. 0.047 min
Lab File: VN080038.D
Acq: 09 Nov 2023 21:45

Tgt Ion: 76 Resp: 12570
Ion Ratio Lower Upper
76 100
78 1.3 26.1 39.1#

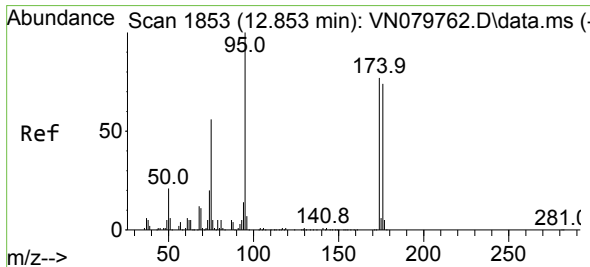
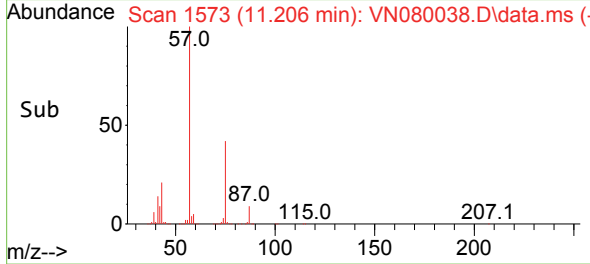
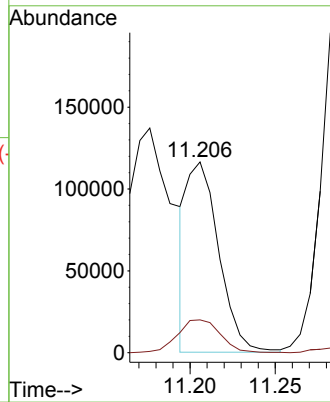
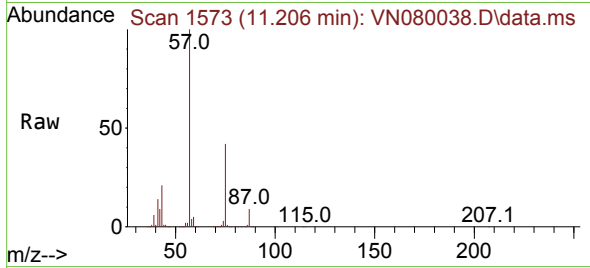




#59
2-Hexanone
Concen: 35.252 ug/l
RT: 11.206 min Scan# 11
Delta R.T. 0.006 min
Lab File: VN080038.D
Acq: 09 Nov 2023 21:45

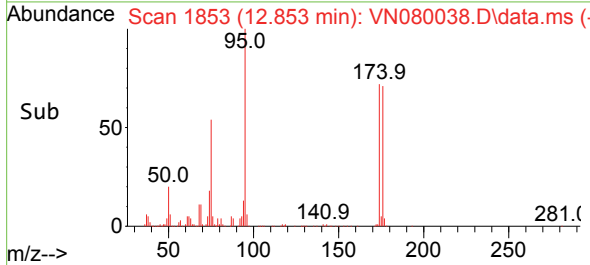
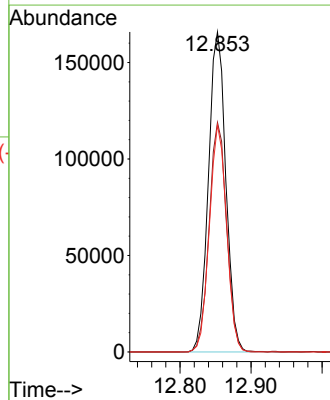
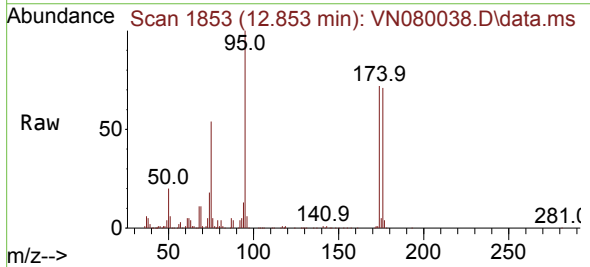
Instrument :
MSVOA_N
ClientSampleId :

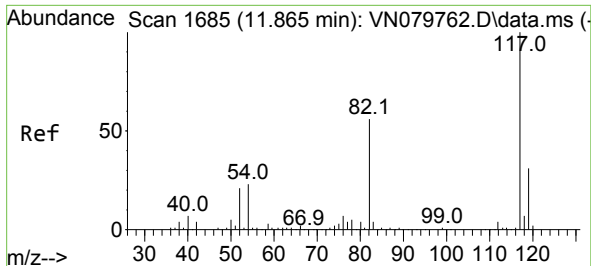
Tgt Ion: 43 Resp: 150295
Ion Ratio Lower Upper
43 100
58 23.4 31.7 95.1#



#62
4-Bromofluorobenzene
Concen: 53.705 ug/l
RT: 12.853 min Scan# 1853
Delta R.T. 0.000 min
Lab File: VN080038.D
Acq: 09 Nov 2023 21:45

Tgt Ion: 95 Resp: 282649
Ion Ratio Lower Upper
95 100
174 72.0 0.0 143.8
176 69.8 0.0 135.8

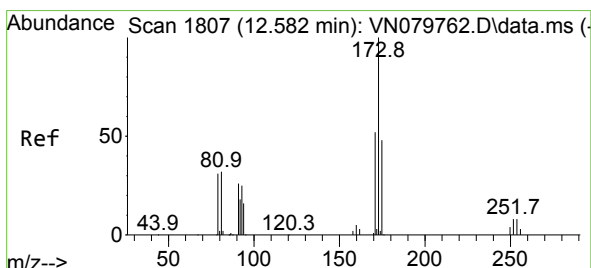
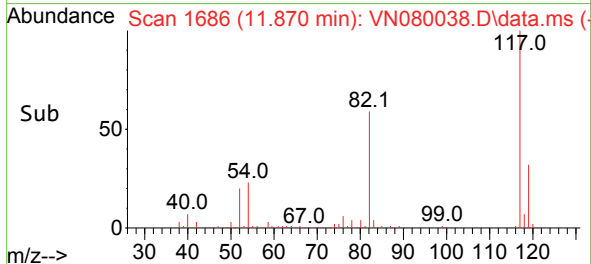
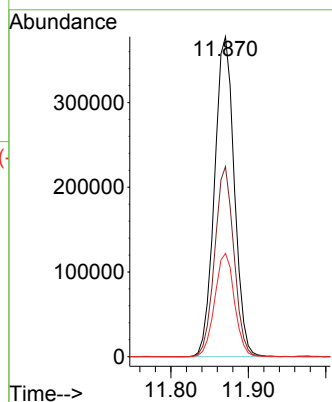
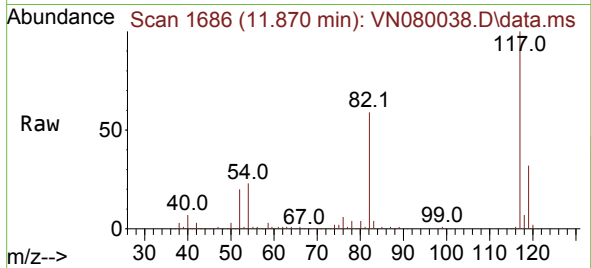




#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.870 min Scan# 11
Delta R.T. 0.000 min
Lab File: VN080038.D
Acq: 09 Nov 2023 21:45

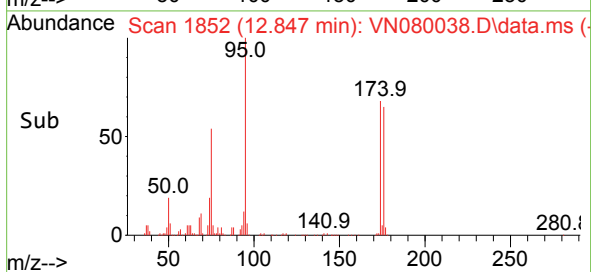
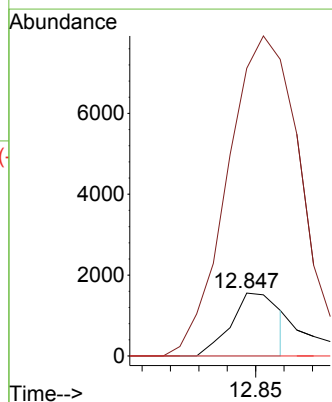
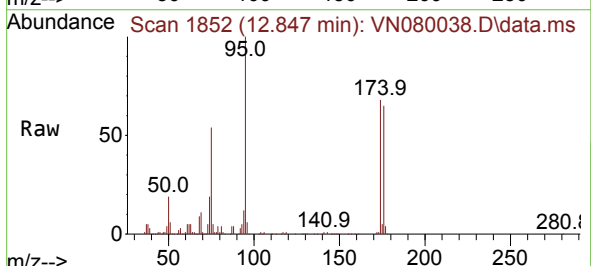
Instrument :
MSVOA_N
ClientSampleId :

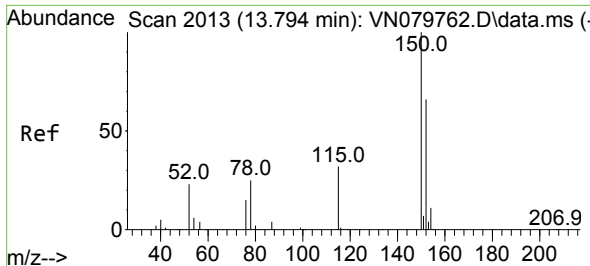
Tgt Ion:117 Resp: 670151
Ion Ratio Lower Upper
117 100
82 59.4 44.0 66.0
119 32.2 25.6 38.4



#71
Bromoform
Concen: 0.497 ug/l
RT: 12.847 min Scan# 1852
Delta R.T. 0.265 min
Lab File: VN080038.D
Acq: 09 Nov 2023 21:45

Tgt Ion:173 Resp: 1847
Ion Ratio Lower Upper
173 100
175 590.6 24.3 73.0#
254 0.0 0.0 0.0

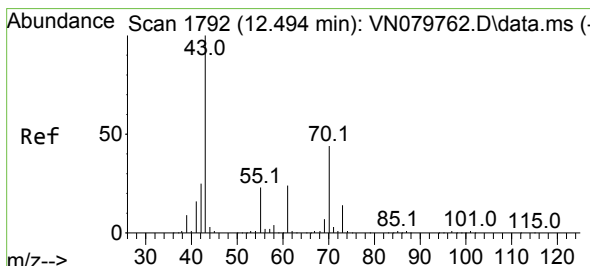
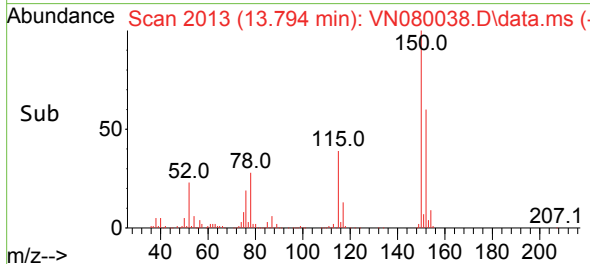
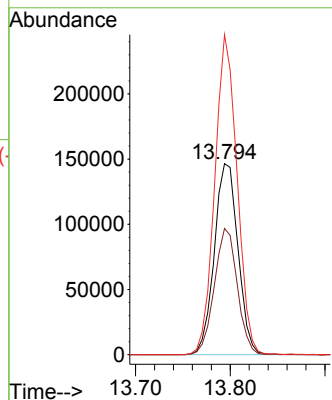
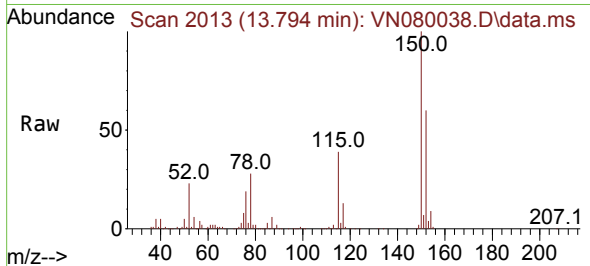




#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 13.794 min Scan# 20
Delta R.T. 0.000 min
Lab File: VN080038.D
Acq: 09 Nov 2023 21:45

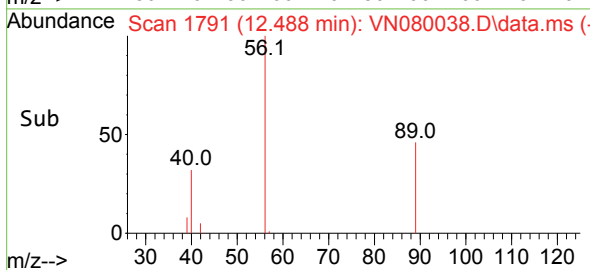
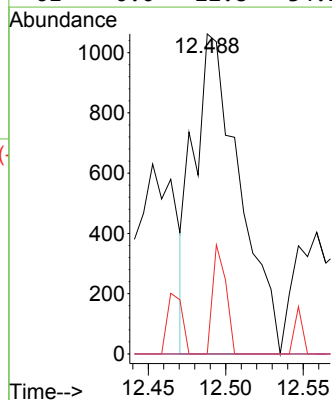
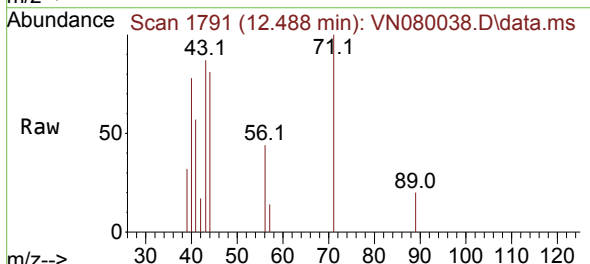
Instrument :
MSVOA_N
ClientSampleId :

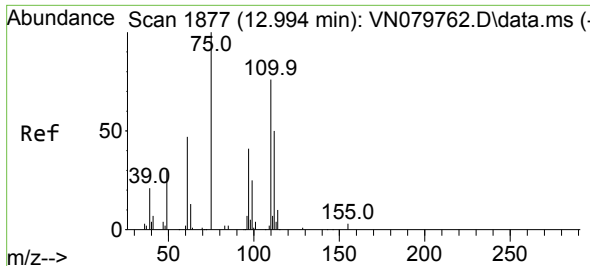
Tgt Ion:152 Resp: 254624
Ion Ratio Lower Upper
152 100
115 64.1 32.3 96.8
150 157.5 0.0 355.8



#74
N-ethyl acetate
Concen: 0.259 ug/l
RT: 12.488 min Scan# 1791
Delta R.T. -0.006 min
Lab File: VN080038.D
Acq: 09 Nov 2023 21:45

Tgt Ion: 43 Resp: 2183
Ion Ratio Lower Upper
43 100
70 0.0 43.4 65.2#
55 9.8 21.4 32.0#
61 0.0 22.8 34.2#

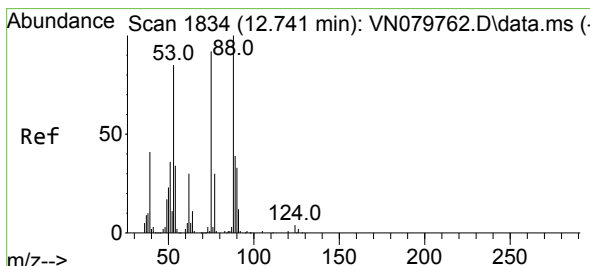
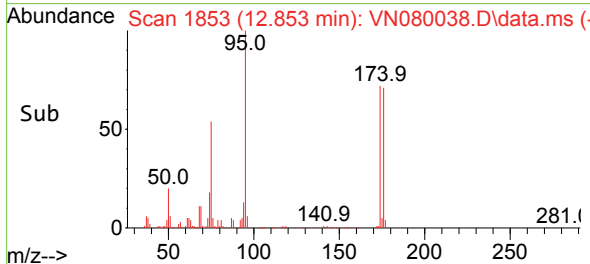
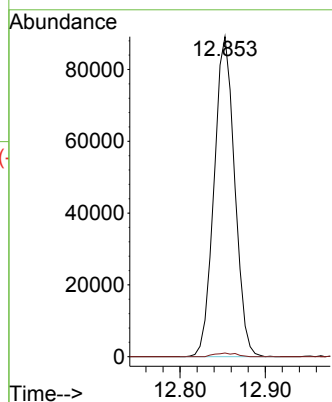
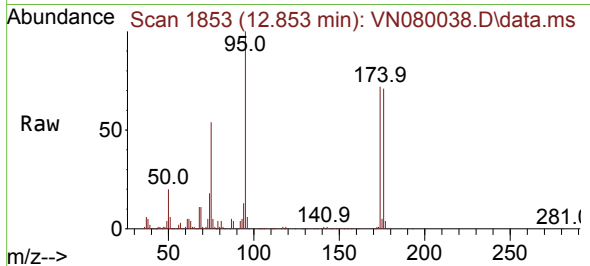




#76
1,2,3-Trichloropropane
Concen: 25.033 ug/l
RT: 12.853 min Scan# 1853
Delta R.T. -0.141 min
Lab File: VN080038.D
Acq: 09 Nov 2023 21:45

Instrument :
MSVOA_N
ClientSampleId :

Tgt Ion: 75 Resp: 149645
Ion Ratio Lower Upper
75 100
77 1.2 84.5 253.5#



#81
trans-1,4-Dichloro-2-butene
Concen: 68.110 ug/l
RT: 12.853 min Scan# 1853
Delta R.T. 0.118 min
Lab File: VN080038.D
Acq: 09 Nov 2023 21:45

Tgt Ion: 75 Resp: 149645
Ion Ratio Lower Upper
75 100
53 0.2 67.4 101.2#
89 0.0 38.8 58.2#

