

Data Path : Z:\voasrv\HPCHEM1\MSVOA_N\Data\VN110923\
 Data File : VN080035.D
 Acq On : 09 Nov 2023 20:34
 Operator : JC\MD
 Sample : 05311-06
 Misc : 5.0mL/MSVOA_N/WATER
 ALS Vial : 16 Sample Multiplier: 1

Instrument :
 MSVOA_N
 ClientSampleId :

Quant Time: Nov 10 00:42:00 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

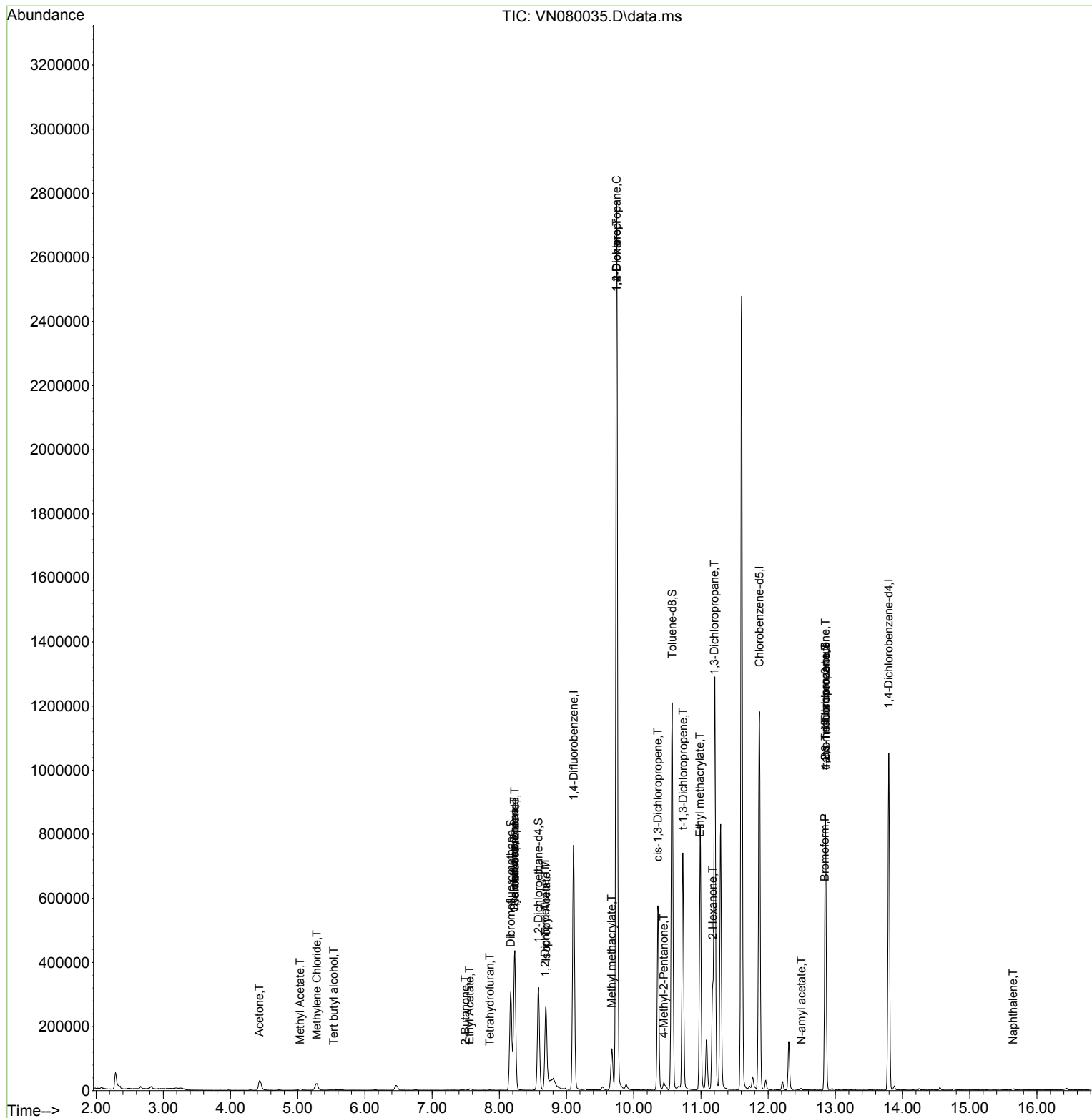
Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
Internal Standards						
1) Pentafluorobenzene	8.230	168	300456	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	9.106	114	640565	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.871	117	692176	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.794	152	270191	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.583	65	260158	56.833	ug/l	0.00
Spiked Amount	50.000	Range	74 - 125	Recovery	=	113.660%
35) Dibromofluoromethane	8.171	113	220983	48.743	ug/l	0.00
Spiked Amount	50.000	Range	75 - 124	Recovery	=	97.480%
50) Toluene-d8	10.571	98	829246	49.685	ug/l	0.00
Spiked Amount	50.000	Range	86 - 113	Recovery	=	99.380%
62) 4-Bromofluorobenzene	12.853	95	293339	52.995	ug/l	0.00
Spiked Amount	50.000	Range	83 - 123	Recovery	=	105.980%
Target Compounds						
					Qvalue	
3) Chloromethane	2.354	50	1210	Below Cal		92
11) Tert butyl alcohol	5.536	59	1005	1.720	ug/l #	72
16) Acetone	4.430	43	58968	36.674	ug/l	95
18) Methyl Acetate	5.036	43	9210	1.197	ug/l #	77
20) Methylene Chloride	5.283	84	15811	3.897	ug/l	93
25) 2-Butanone	7.494	43	5547	2.356	ug/l #	66
29) Tetrahydrofuran	7.859	42	1225	0.800	ug/l #	27
31) Cyclohexane	8.224	56	7737	1.279	ug/l #	1
36) 1,1-Dichloropropene	8.224	75	26873	4.151	ug/l #	48
37) Ethyl Acetate	7.559	43	7591	1.279	ug/l #	86
38) Carbon Tetrachloride	8.230	117	33506	5.136	ug/l #	15
42) 1,2-Dichloroethane	8.683	62	2071	0.306	ug/l #	73
43) Isopropyl Acetate	8.694	43	307346	29.520	ug/l #	79
45) 1,2-Dichloropropane	9.747	63	3912	0.790	ug/l #	45
48) Methyl methacrylate	9.671	41	7950	1.743	ug/l #	30
49) 1,4-Dioxane	9.747	88	443	5.498	ug/l #	1
51) 4-Methyl-2-Pentanone	10.447	43	22640	3.862	ug/l #	72
53) t-1,3-Dichloropropene	10.735	75	2163	0.306	ug/l #	80
54) cis-1,3-Dichloropropene	10.359	75	98394	12.762	ug/l #	72
56) Ethyl methacrylate	10.982	69	4562	0.692	ug/l #	1
57) 1,3-Dichloropropane	11.200	76	13062	1.603	ug/l #	42
59) 2-Hexanone	11.177	43	239572	53.428	ug/l #	19
71) Bromoform	12.841	173	1904	0.496	ug/l #	1
74) N-amyl acetate	12.494	43	2207	0.247	ug/l #	36
76) 1,2,3-Trichloropropane	12.853	75	159181	25.094	ug/l #	1
81) trans-1,4-Dichloro-2-b...	12.853	75	159181	68.276	ug/l #	15
95) Naphthalene	15.647	128	3694	0.260	ug/l #	75

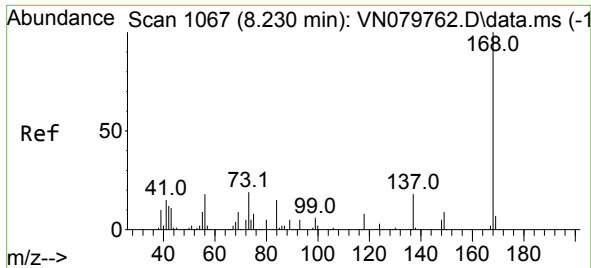
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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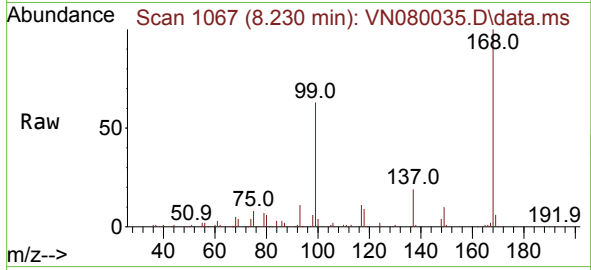
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QLast Update : Thu Nov 02 05:49:08 2023
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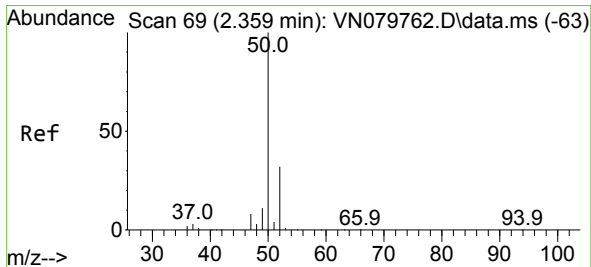
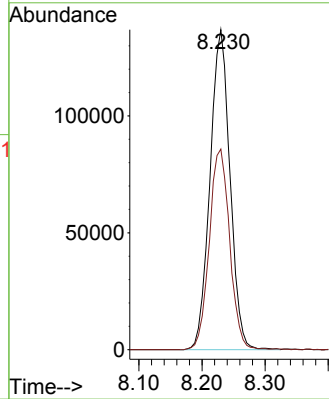
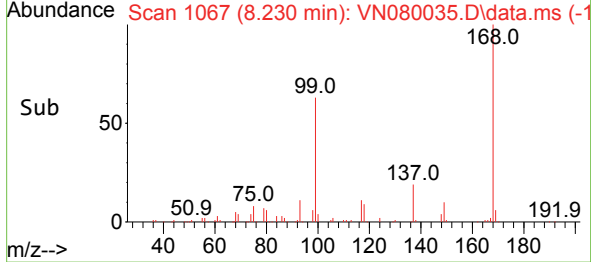


#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 8.230 min Scan# 1067
Delta R.T. 0.001 min
Lab File: VN080035.D
Acq: 09 Nov 2023 20:34

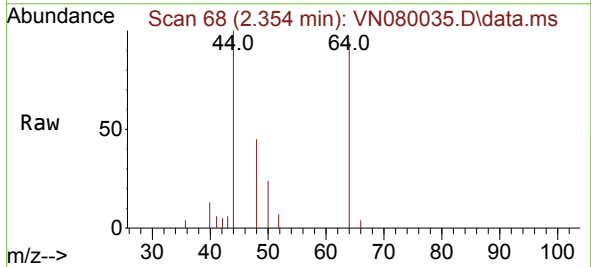
Instrument :
MSVOA_N
ClientSampleId :



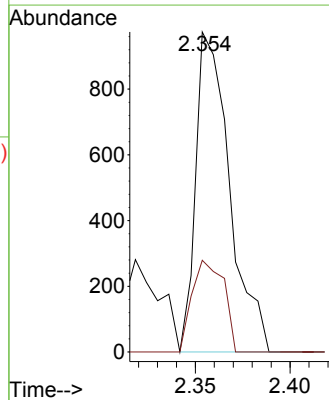
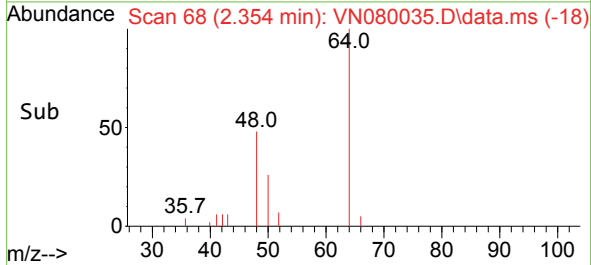
Tgt Ion:168 Resp: 300456
Ion Ratio Lower Upper
168 100
99 62.7 53.0 79.6



#3
Chloromethane
Concen: Below Cal
RT: 2.354 min Scan# 68
Delta R.T. -0.005 min
Lab File: VN080035.D
Acq: 09 Nov 2023 20:34



Tgt Ion: 50 Resp: 1210
Ion Ratio Lower Upper
50 100
52 28.6 26.5 39.7

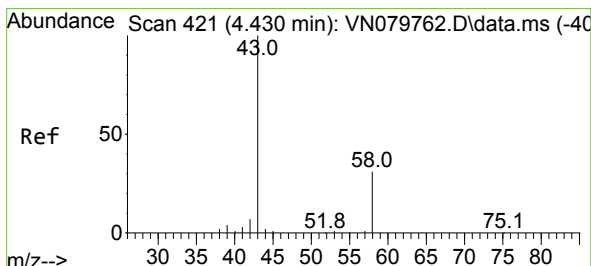
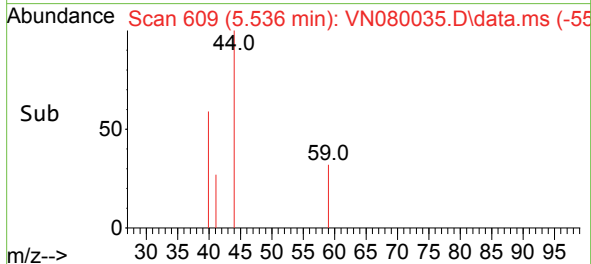
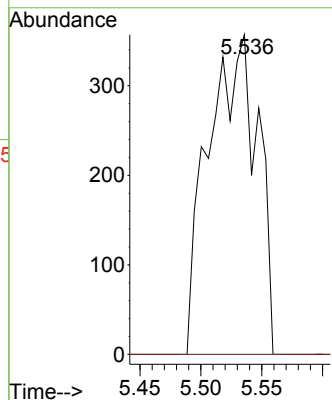
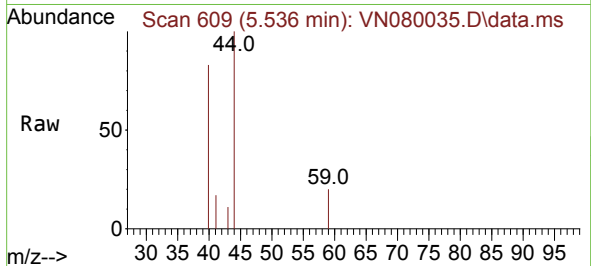




#11
Tert butyl alcohol
Concen: 1.720 ug/l
RT: 5.536 min Scan# 607
Delta R.T. 0.018 min
Lab File: VN080035.D
Acq: 09 Nov 2023 20:34

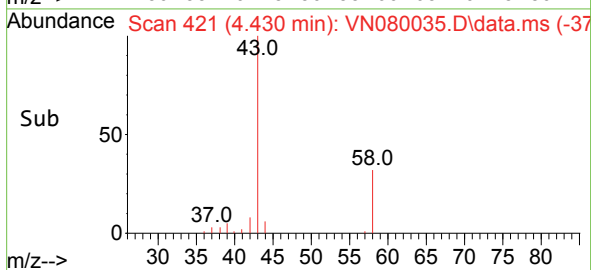
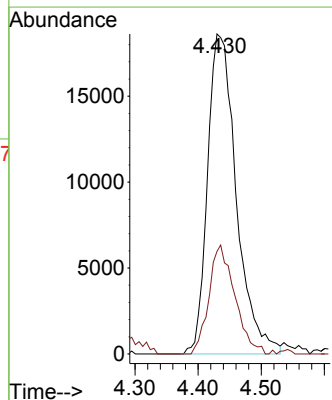
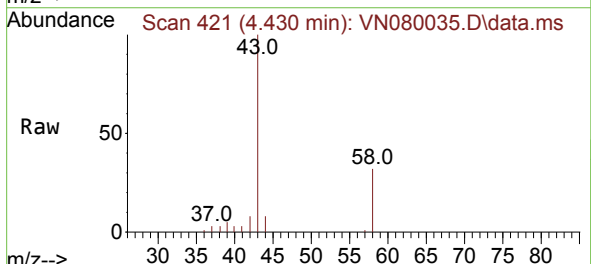
Instrument :
MSVOA_N
ClientSampleId :

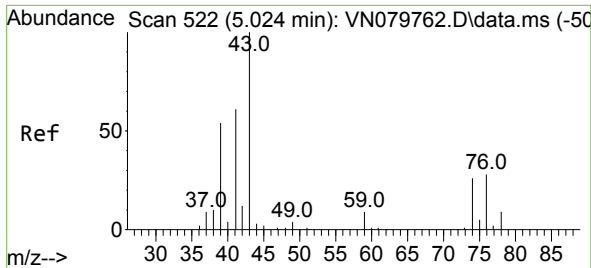
Tgt Ion: 59 Resp: 1005
Ion Ratio Lower Upper
59 100
57 0.0 8.2 12.4#



#16
Acetone
Concen: 36.674 ug/l
RT: 4.430 min Scan# 421
Delta R.T. 0.000 min
Lab File: VN080035.D
Acq: 09 Nov 2023 20:34

Tgt Ion: 43 Resp: 58968
Ion Ratio Lower Upper
43 100
58 32.1 28.0 42.0

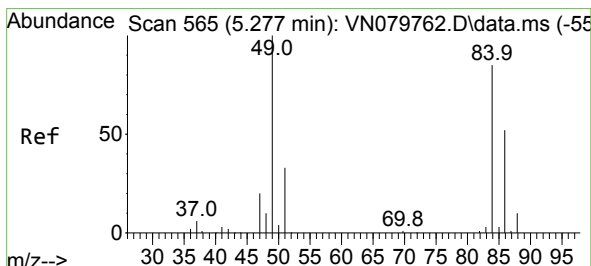
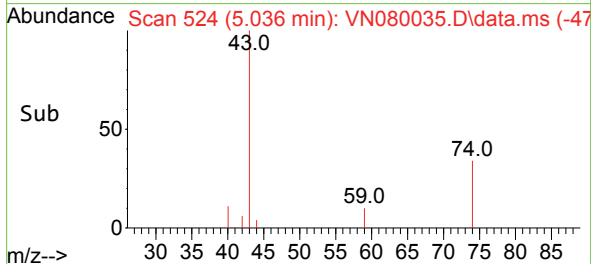
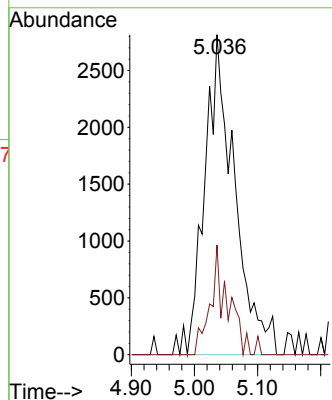
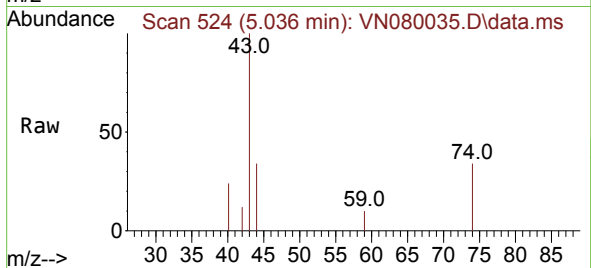




#18
Methyl Acetate
Concen: 1.197 ug/l
RT: 5.036 min Scan# 51
Delta R.T. 0.012 min
Lab File: VN080035.D
Acq: 09 Nov 2023 20:34

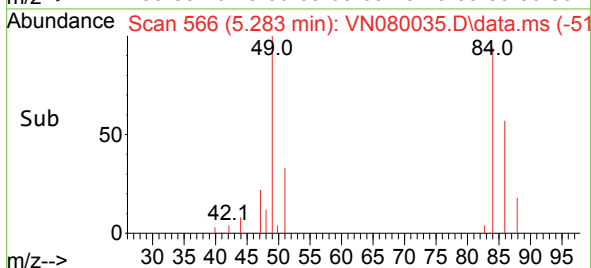
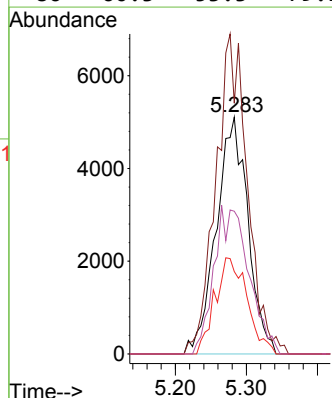
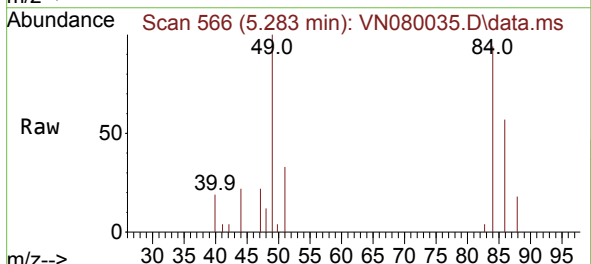
Instrument :
MSVOA_N
ClientSampleId :

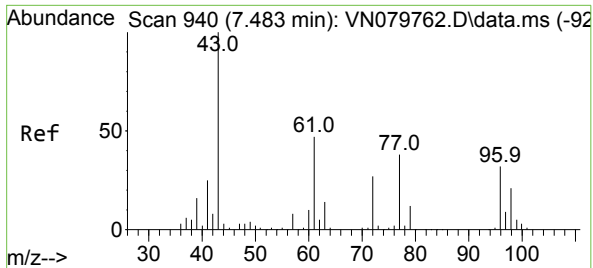
Tgt Ion: 43 Resp: 9210
Ion Ratio Lower Upper
43 100
74 20.0 26.2 39.4#



#20
Methylene Chloride
Concen: 3.897 ug/l
RT: 5.283 min Scan# 566
Delta R.T. 0.012 min
Lab File: VN080035.D
Acq: 09 Nov 2023 20:34

Tgt Ion: 84 Resp: 15811
Ion Ratio Lower Upper
84 100
49 105.9 79.7 119.5
51 34.8 25.2 37.8
86 60.3 53.3 79.9

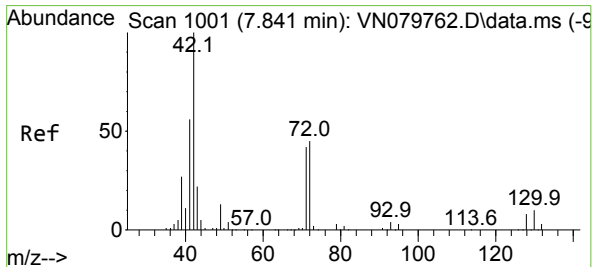
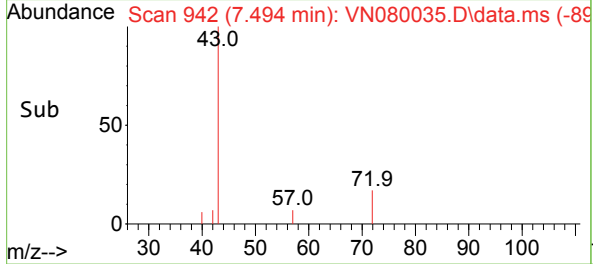
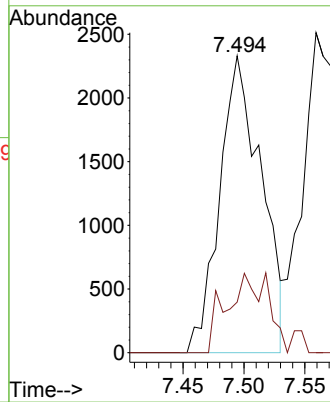
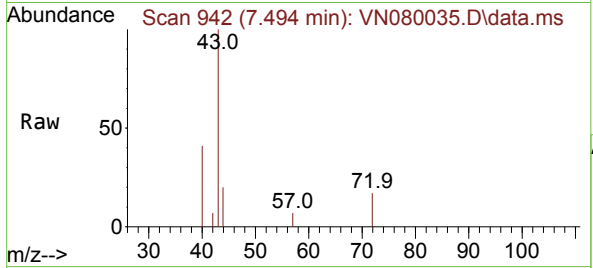




#25
2-Butanone
Concen: 2.356 ug/l
RT: 7.494 min Scan# 940
Delta R.T. 0.006 min
Lab File: VN080035.D
Acq: 09 Nov 2023 20:34

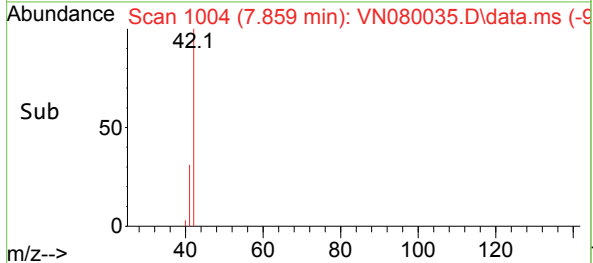
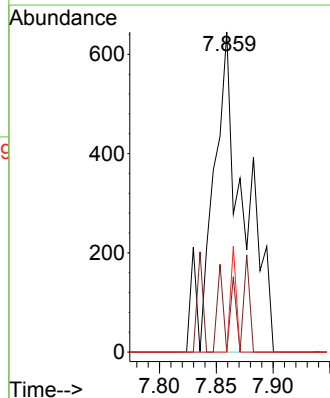
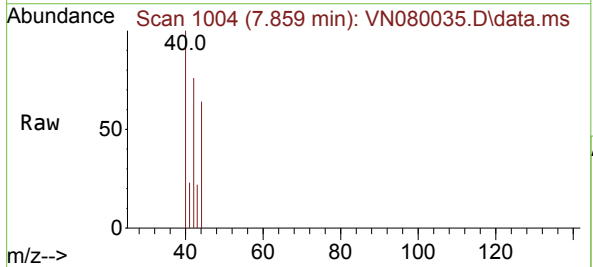
Instrument :
MSVOA_N
ClientSampleId :

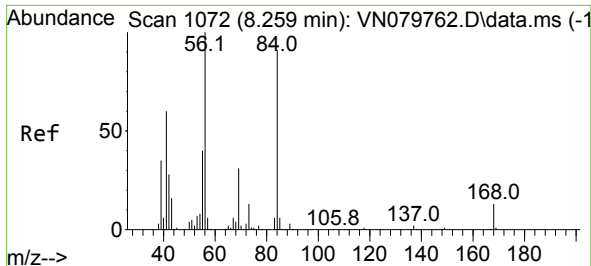
Tgt Ion: 43 Resp: 5547
Ion Ratio Lower Upper
43 100
72 17.1 30.2 45.2#



#29
Tetrahydrofuran
Concen: 0.800 ug/l
RT: 7.859 min Scan# 1004
Delta R.T. 0.018 min
Lab File: VN080035.D
Acq: 09 Nov 2023 20:34

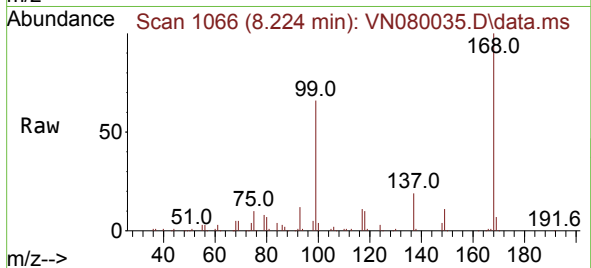
Tgt Ion: 42 Resp: 1225
Ion Ratio Lower Upper
42 100
72 4.4 49.8 74.6#
71 6.1 47.4 71.2#



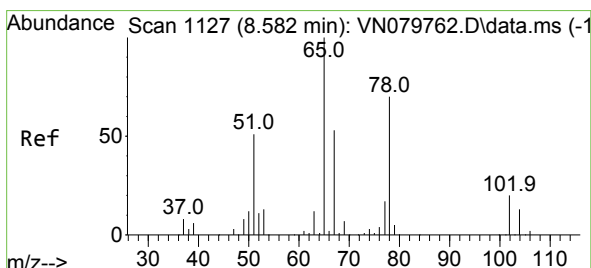
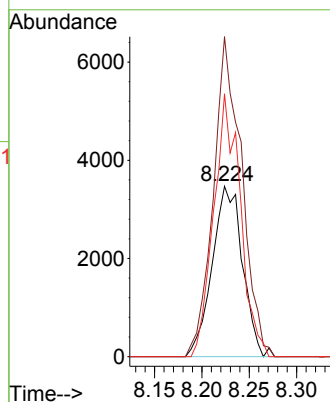
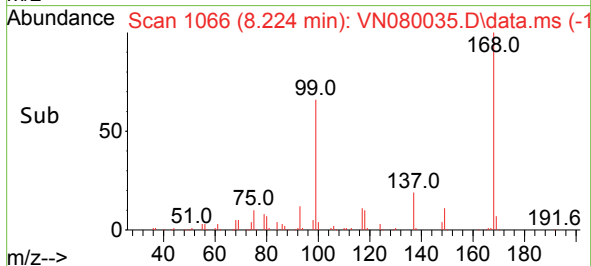


#31
Cyclohexane
Concen: 1.279 ug/l
RT: 8.224 min Scan# 1066
Delta R.T. -0.035 min
Lab File: VN080035.D
Acq: 09 Nov 2023 20:34

Instrument :
MSVOA_N
ClientSampleId :

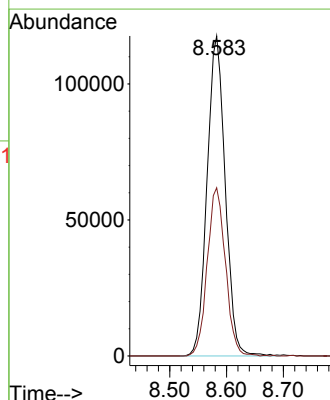
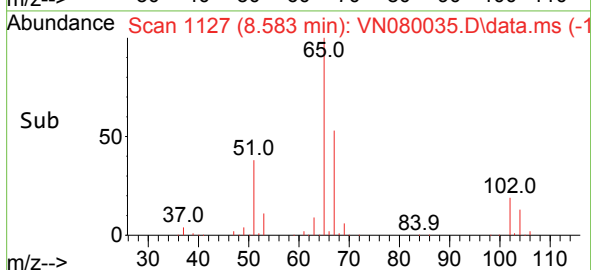
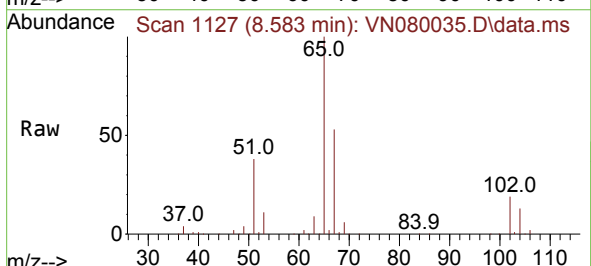


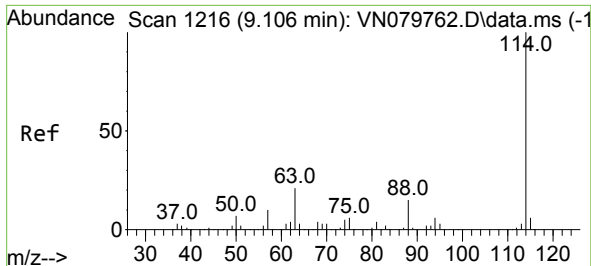
Tgt Ion: 56 Resp: 7737
Ion Ratio Lower Upper
56 100
69 187.8 26.8 40.2#
84 154.4 81.8 122.6#



#33
1,2-Dichloroethane-d4
Concen: 56.833 ug/l
RT: 8.583 min Scan# 1127
Delta R.T. 0.000 min
Lab File: VN080035.D
Acq: 09 Nov 2023 20:34

Tgt Ion: 65 Resp: 260158
Ion Ratio Lower Upper
65 100
67 52.8 0.0 106.6

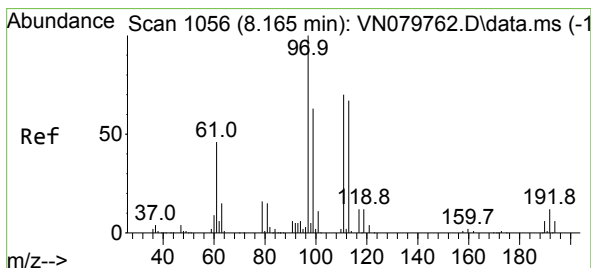
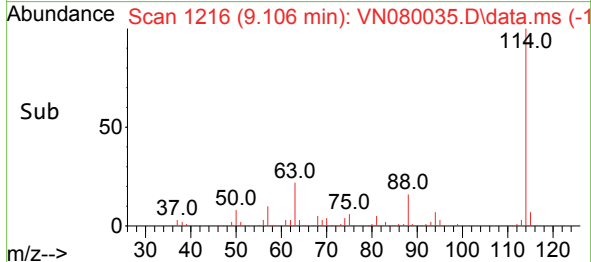
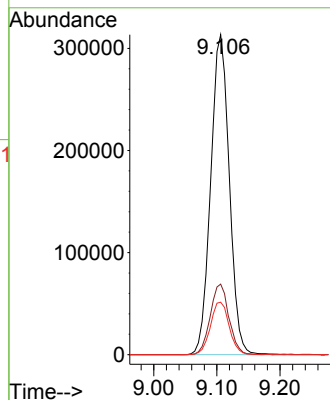
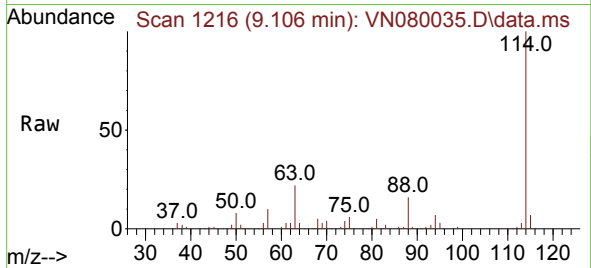




#34
1,4-Difluorobenzene
Concen: 50.000 ug/l
RT: 9.106 min Scan# 11
Delta R.T. 0.000 min
Lab File: VN080035.D
Acq: 09 Nov 2023 20:34

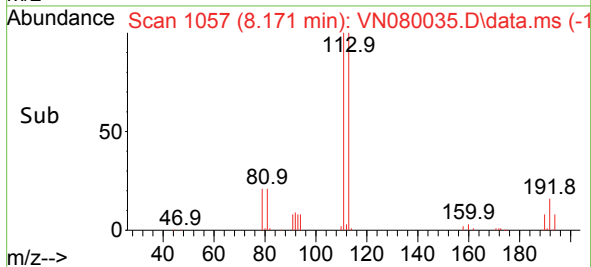
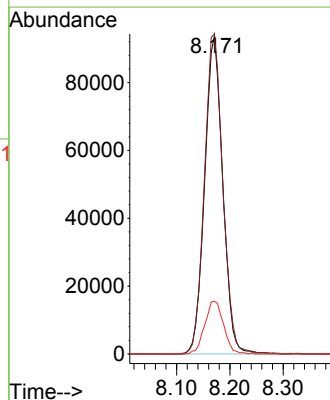
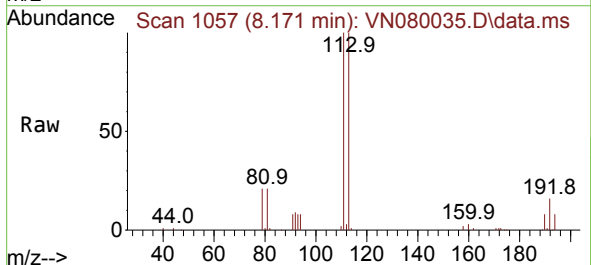
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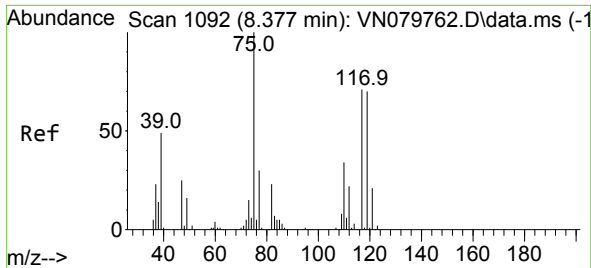
Tgt Ion:114 Resp: 640565
Ion Ratio Lower Upper
114 100
63 22.0 0.0 36.4
88 16.4 0.0 30.6



#35
Dibromofluoromethane
Concen: 48.743 ug/l
RT: 8.171 min Scan# 1057
Delta R.T. 0.000 min
Lab File: VN080035.D
Acq: 09 Nov 2023 20:34

Tgt Ion:113 Resp: 220983
Ion Ratio Lower Upper
113 100
111 102.4 82.6 123.8
192 17.3 12.7 19.1





#36

1,1-Dichloropropene

Concen: 4.151 ug/l

RT: 8.224 min Scan# 1066

Delta R.T. -0.153 min

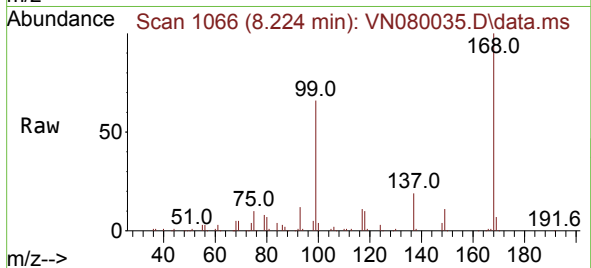
Lab File: VN080035.D

Acq: 09 Nov 2023 20:34

Instrument :

MSVOA_N

ClientSampleId :



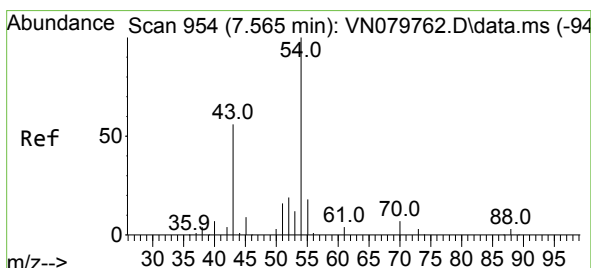
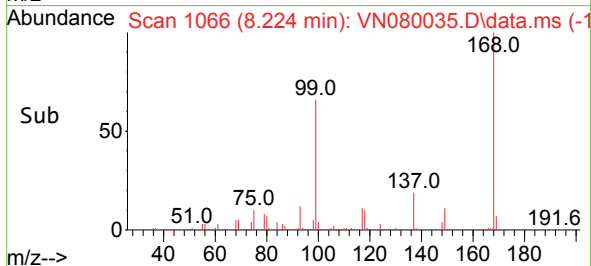
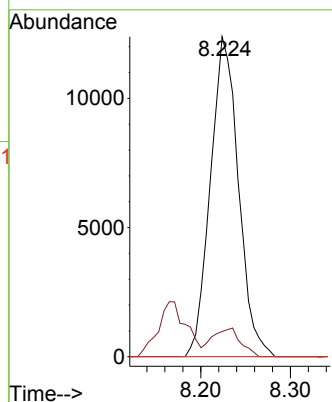
Tgt Ion: 75 Resp: 26873

Ion Ratio Lower Upper

75 100

110 9.0 19.1 57.3#

77 0.0 25.0 37.4#



#37

Ethyl Acetate

Concen: 1.279 ug/l

RT: 7.559 min Scan# 953

Delta R.T. -0.006 min

Lab File: VN080035.D

Acq: 09 Nov 2023 20:34

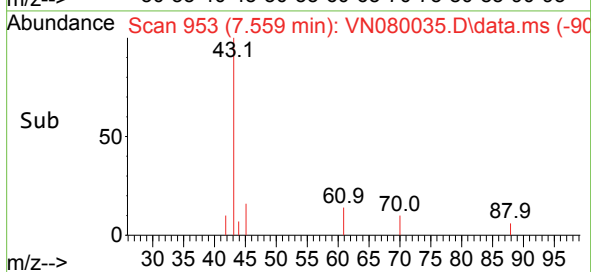
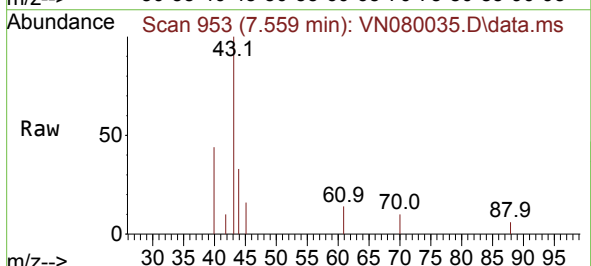
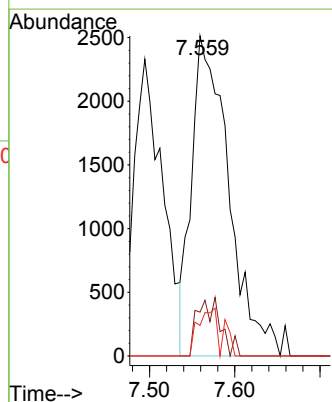
Tgt Ion: 43 Resp: 7591

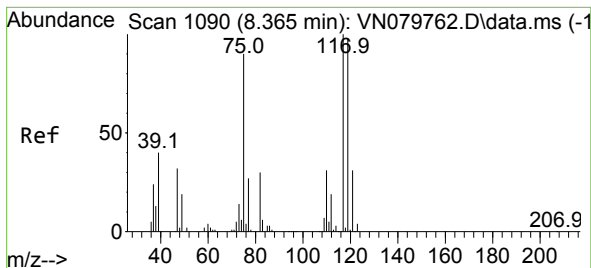
Ion Ratio Lower Upper

43 100

61 11.3 13.2 19.8#

70 7.3 11.3 16.9#





#38

Carbon Tetrachloride

Concen: 5.136 ug/l

RT: 8.230 min Scan# 1107

Delta R.T. -0.129 min

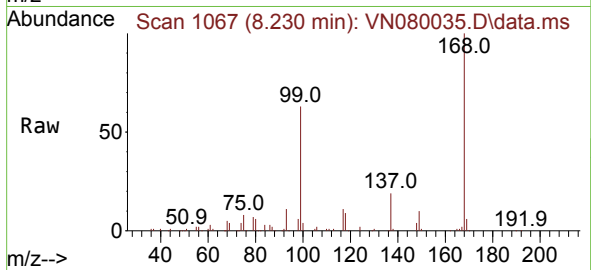
Lab File: VN080035.D

Acq: 09 Nov 2023 20:34

Instrument :

MSVOA_N

ClientSampleId :



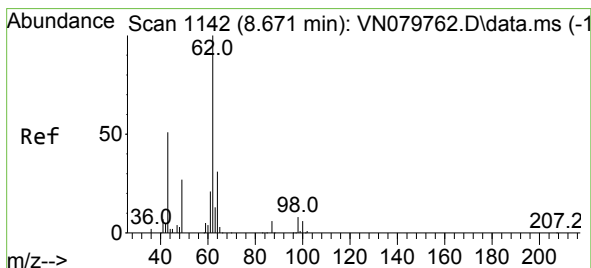
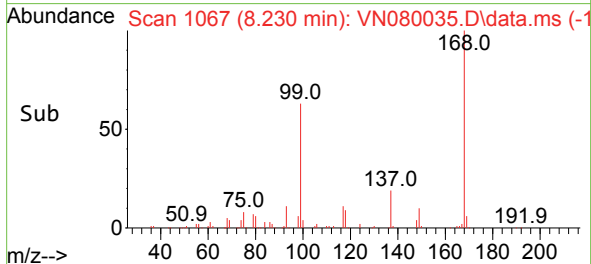
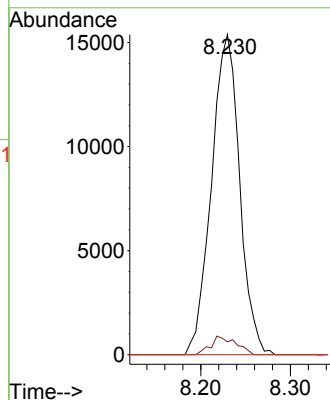
Tgt Ion:117 Resp: 33506

Ion Ratio Lower Upper

117 100

119 4.0 77.3 115.9#

121 0.0 23.3 34.9#



#42

1,2-Dichloroethane

Concen: 0.306 ug/l

RT: 8.683 min Scan# 1144

Delta R.T. 0.012 min

Lab File: VN080035.D

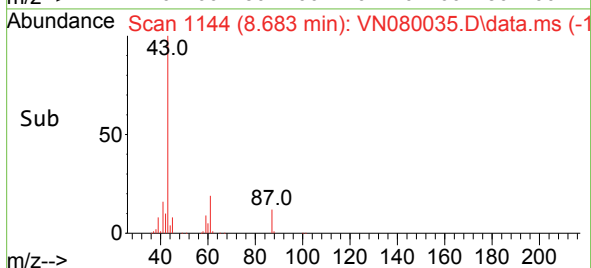
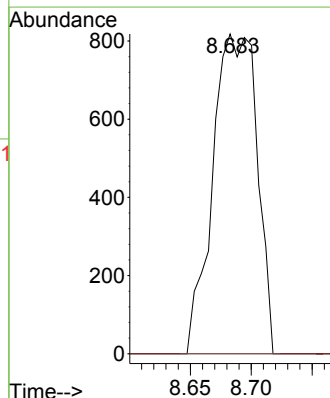
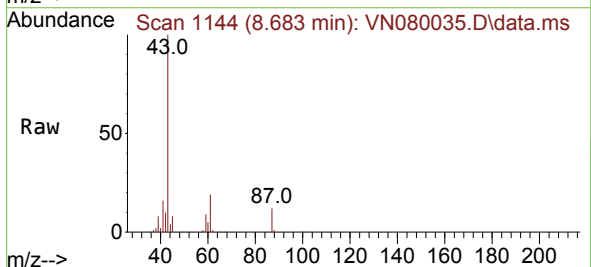
Acq: 09 Nov 2023 20:34

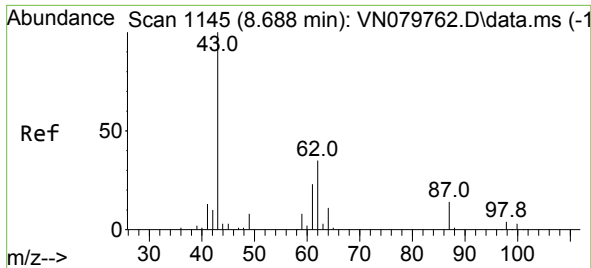
Tgt Ion: 62 Resp: 2071

Ion Ratio Lower Upper

62 100

98 0.0 0.0 19.8

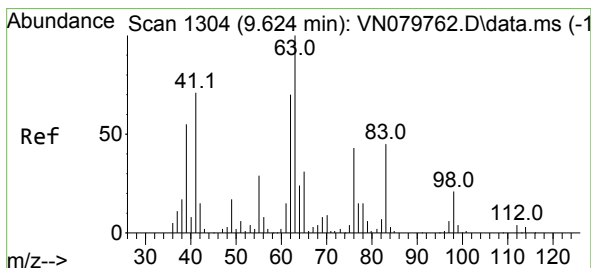
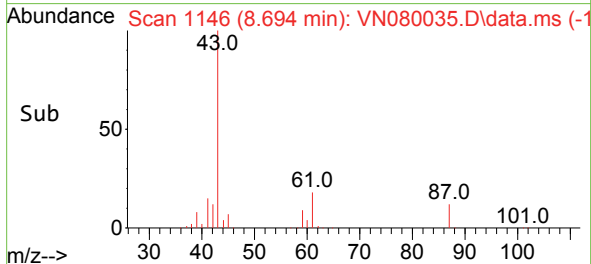
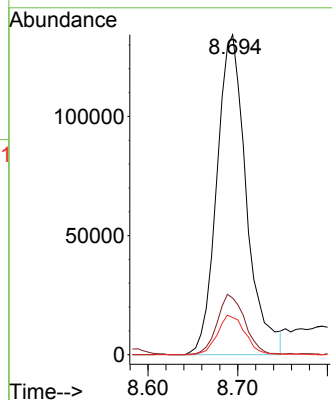
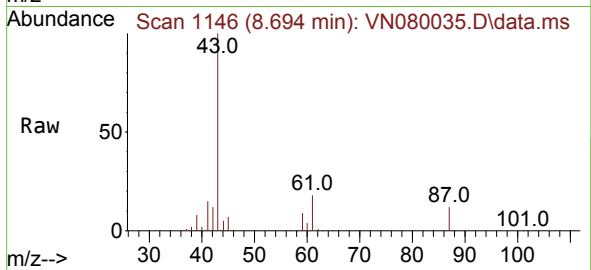




#43
Isopropyl Acetate
Concen: 29.520 ug/l
RT: 8.694 min Scan# 1146
Delta R.T. 0.006 min
Lab File: VN080035.D
Acq: 09 Nov 2023 20:34

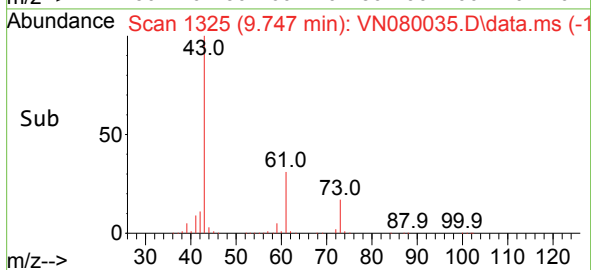
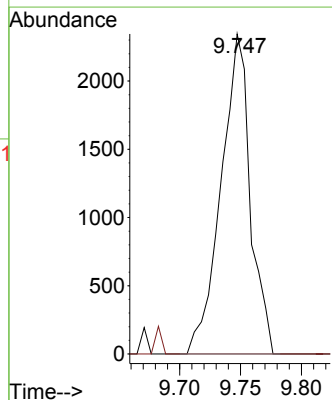
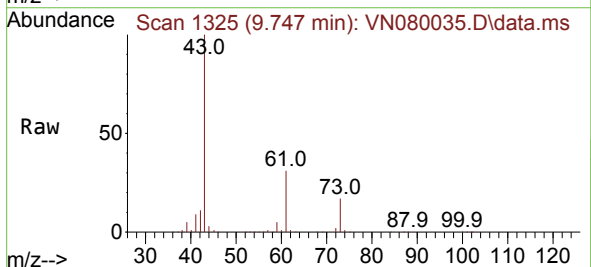
Instrument :
MSVOA_N
ClientSampleId :

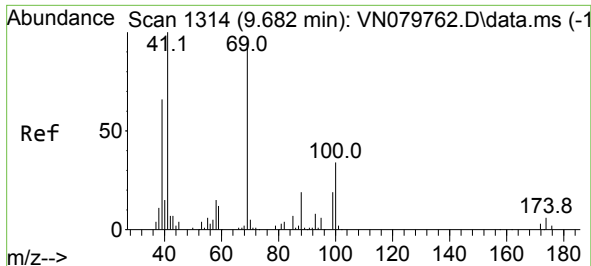
Tgt Ion: 43 Resp: 307346
Ion Ratio Lower Upper
43 100
61 17.7 24.7 37.1#
87 11.6 14.6 21.8#



#45
1,2-Dichloropropane
Concen: 0.790 ug/l
RT: 9.747 min Scan# 1325
Delta R.T. 0.124 min
Lab File: VN080035.D
Acq: 09 Nov 2023 20:34

Tgt Ion: 63 Resp: 3912
Ion Ratio Lower Upper
63 100
65 0.0 23.9 35.9#

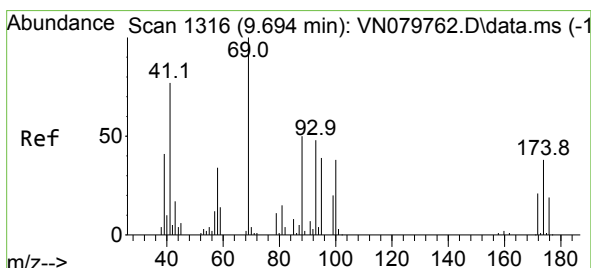
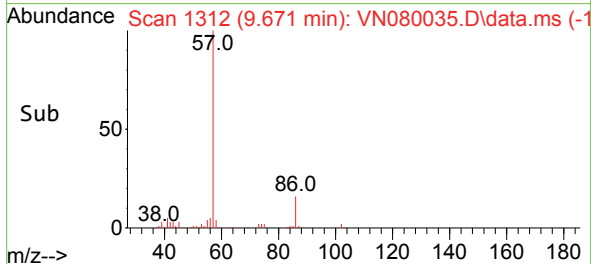
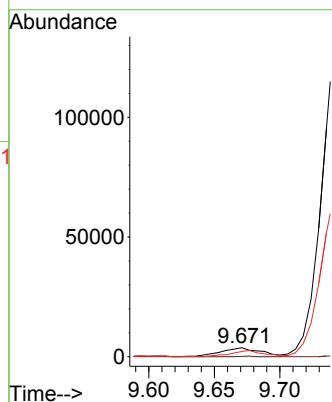
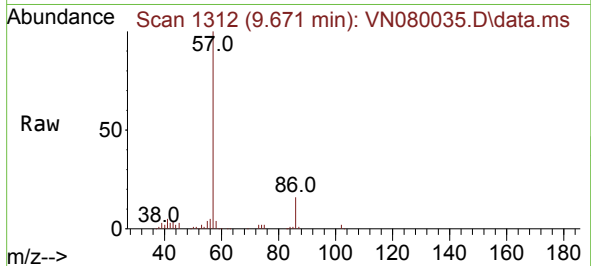




#48
Methyl methacrylate
Concen: 1.743 ug/l
RT: 9.671 min Scan# 11
Delta R.T. -0.012 min
Lab File: VN080035.D
Acq: 09 Nov 2023 20:34

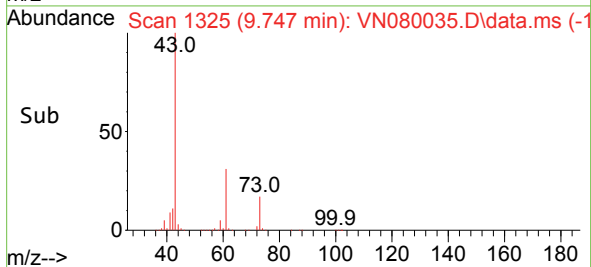
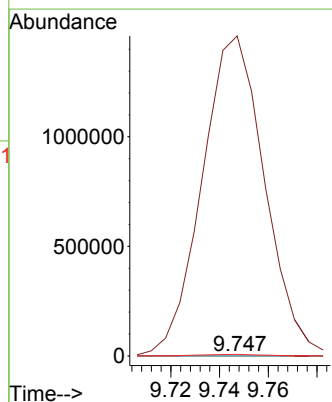
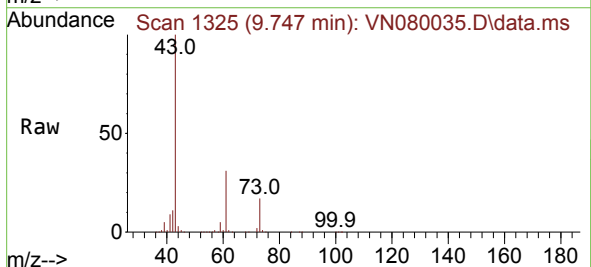
Instrument :
MSVOA_N
ClientSampleId :

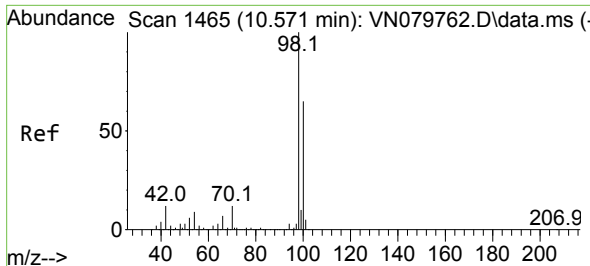
Tgt Ion: 41 Resp: 7950
Ion Ratio Lower Upper
41 100
69 1.8 90.4 135.6#
39 57.3 54.6 81.8



#49
1,4-Dioxane
Concen: 5.498 ug/l
RT: 9.747 min Scan# 1325
Delta R.T. 0.053 min
Lab File: VN080035.D
Acq: 09 Nov 2023 20:34

Tgt Ion: 88 Resp: 443
Ion Ratio Lower Upper
88 100
43 593419.0 17.0 25.6#
58 3078.3 47.0 70.4#

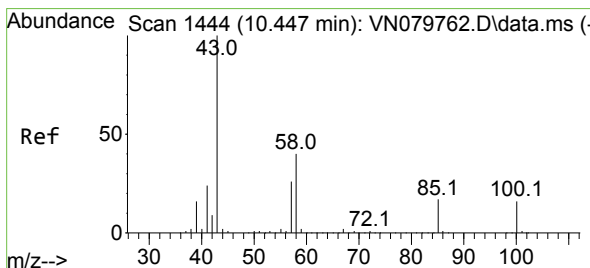
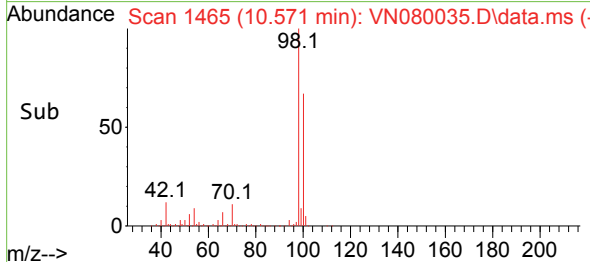
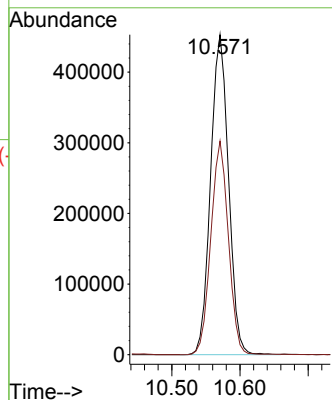
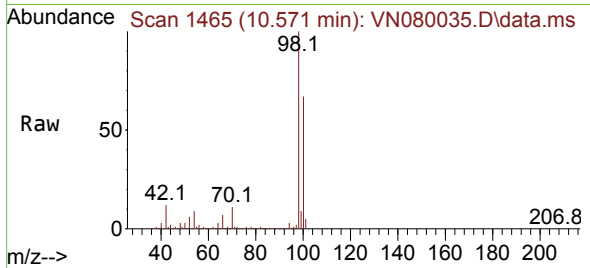




#50
Toluene-d8
Concen: 49.685 ug/l
RT: 10.571 min Scan# 1465
Delta R.T. 0.000 min
Lab File: VN080035.D
Acq: 09 Nov 2023 20:34

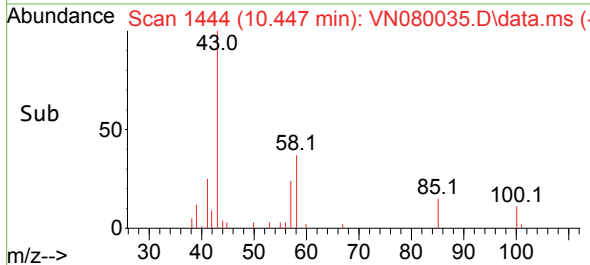
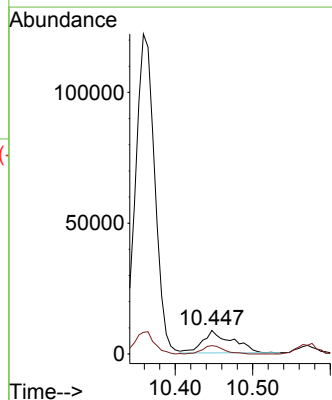
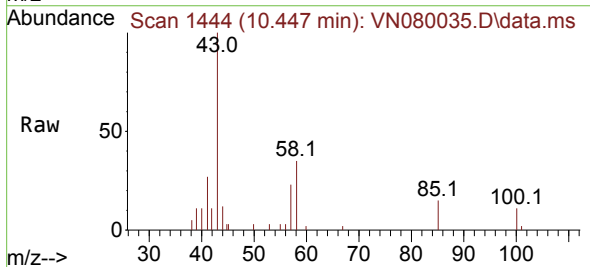
Instrument :
MSVOA_N
ClientSampleId :

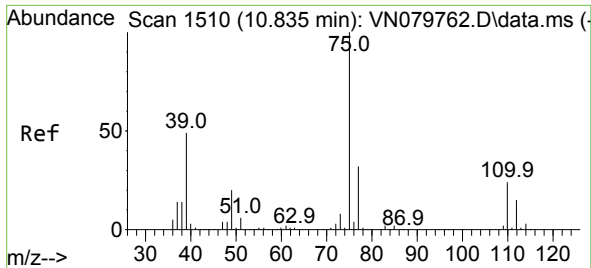
Tgt Ion: 98 Resp: 829246
Ion Ratio Lower Upper
98 100
100 65.4 52.0 78.0



#51
4-Methyl-2-Pentanone
Concen: 3.862 ug/l
RT: 10.447 min Scan# 1444
Delta R.T. 0.000 min
Lab File: VN080035.D
Acq: 09 Nov 2023 20:34

Tgt Ion: 43 Resp: 22640
Ion Ratio Lower Upper
43 100
58 27.1 36.6 54.8#

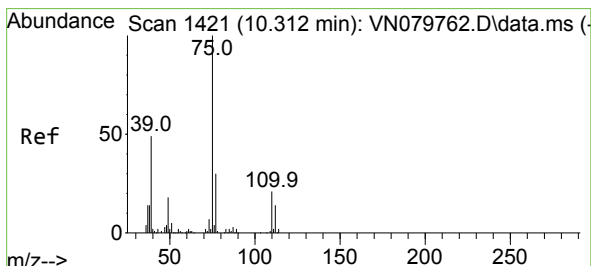
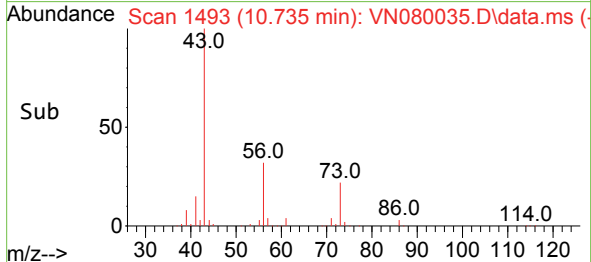
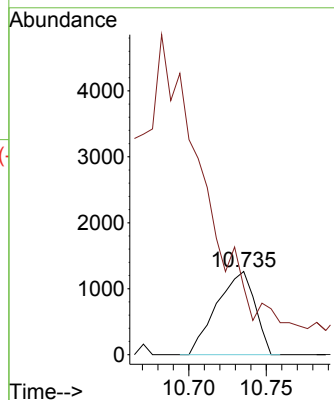
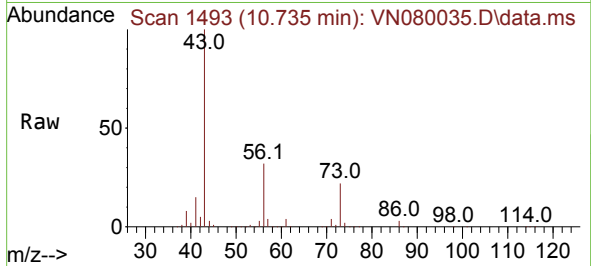




#53
 t-1,3-Dichloropropene
 Concen: 0.306 ug/l
 RT: 10.735 min Scan# 1493
 Delta R.T. -0.106 min
 Lab File: VN080035.D
 Acq: 09 Nov 2023 20:34

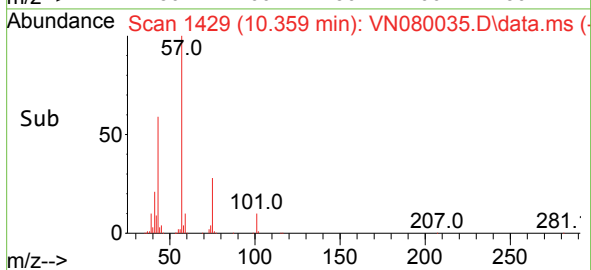
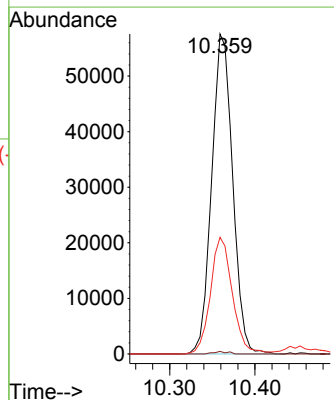
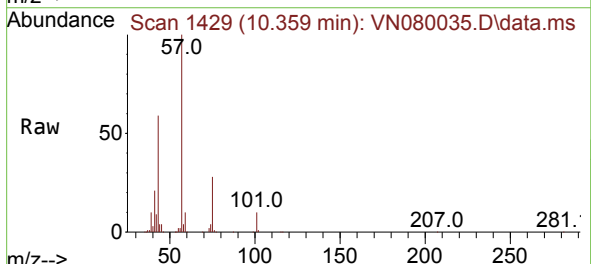
Instrument :
 MSVOA_N
 ClientSampleId :

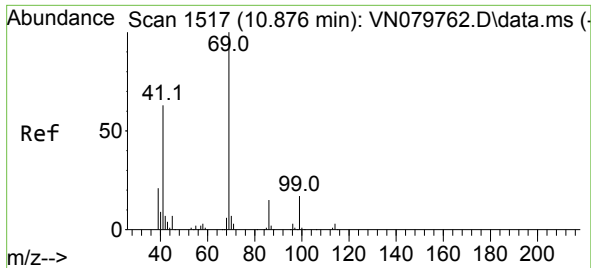
Tgt Ion: 75 Resp: 2163
 Ion Ratio Lower Upper
 75 100
 77 42.8 25.4 38.0#



#54
 cis-1,3-Dichloropropene
 Concen: 12.762 ug/l
 RT: 10.359 min Scan# 1429
 Delta R.T. 0.041 min
 Lab File: VN080035.D
 Acq: 09 Nov 2023 20:34

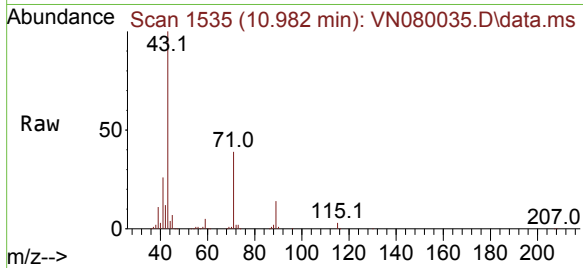
Tgt Ion: 75 Resp: 98394
 Ion Ratio Lower Upper
 75 100
 77 0.8 26.1 39.1#
 39 36.4 31.6 47.4



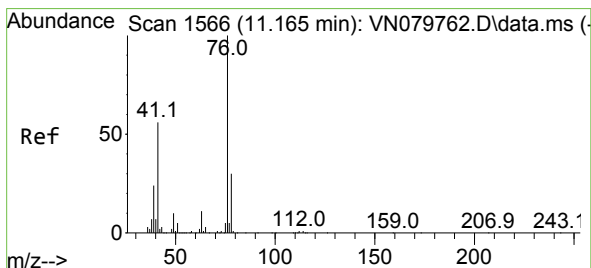
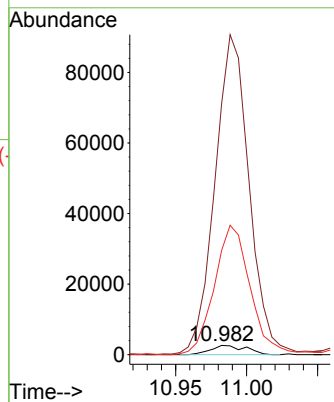
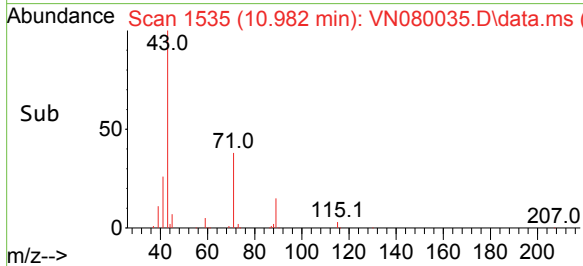


#56
Ethyl methacrylate
Concen: 0.692 ug/l
RT: 10.982 min Scan# 1535
Delta R.T. 0.106 min
Lab File: VN080035.D
Acq: 09 Nov 2023 20:34

Instrument :
MSVOA_N
ClientSampleId :

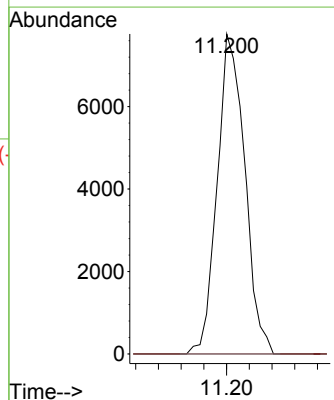
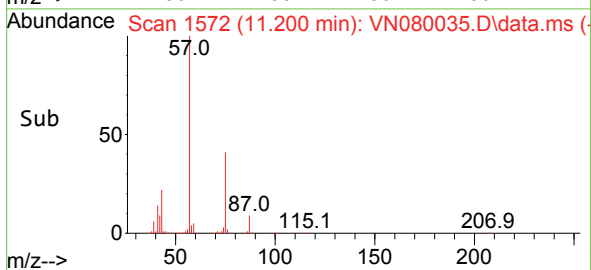
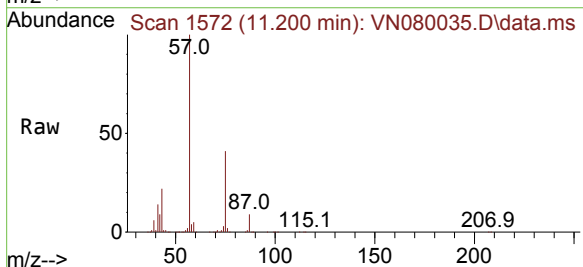


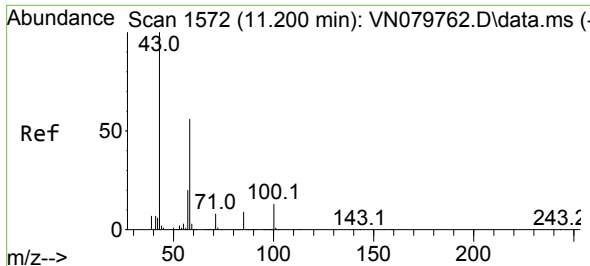
Tgt Ion: 69 Resp: 4562
Ion Ratio Lower Upper
69 100
41 3348.0 39.6 59.4#
39 1416.2 28.6 43.0#



#57
1,3-Dichloropropane
Concen: 1.603 ug/l
RT: 11.200 min Scan# 1572
Delta R.T. 0.035 min
Lab File: VN080035.D
Acq: 09 Nov 2023 20:34

Tgt Ion: 76 Resp: 13062
Ion Ratio Lower Upper
76 100
78 0.0 26.1 39.1#

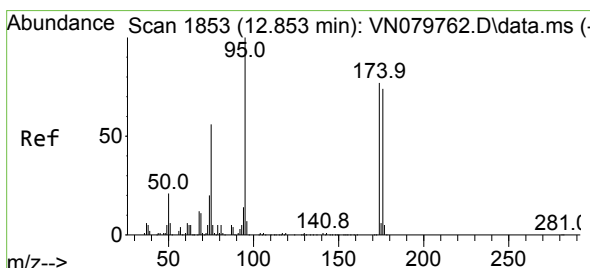
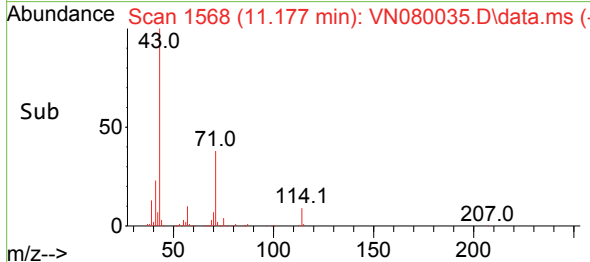
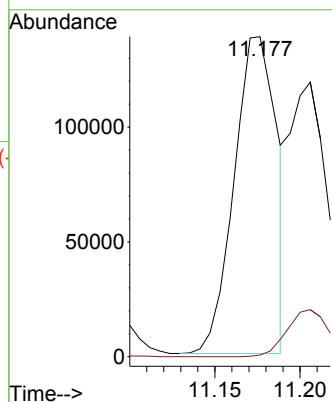
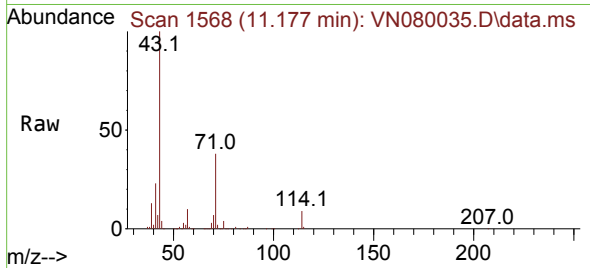




#59
2-Hexanone
Concen: 53.428 ug/l
RT: 11.177 min Scan# 111
Delta R.T. -0.023 min
Lab File: VN080035.D
Acq: 09 Nov 2023 20:34

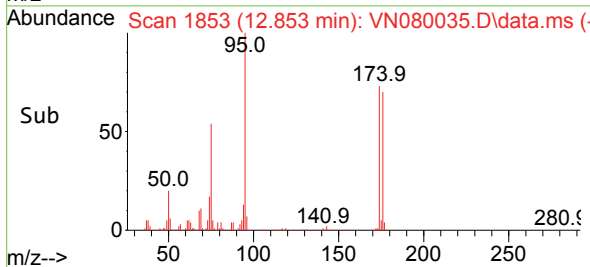
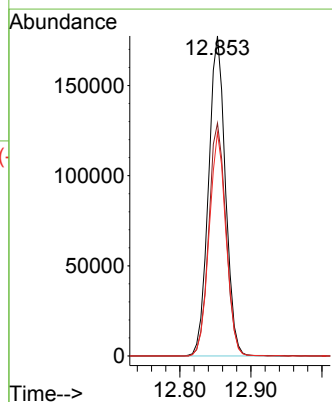
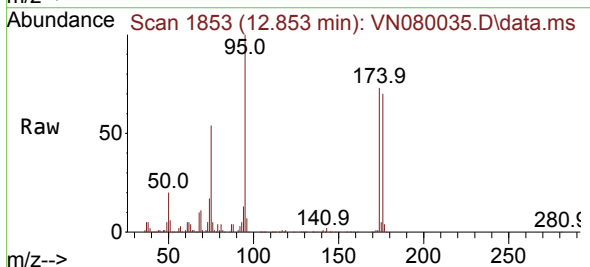
Instrument :
MSVOA_N
ClientSampleId :

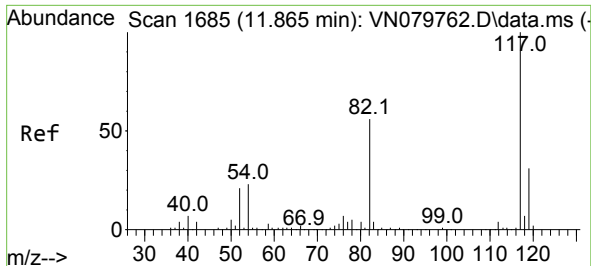
Tgt Ion: 43 Resp: 239572
Ion Ratio Lower Upper
43 100
58 0.0 31.7 95.1#



#62
4-Bromofluorobenzene
Concen: 52.995 ug/l
RT: 12.853 min Scan# 1853
Delta R.T. 0.000 min
Lab File: VN080035.D
Acq: 09 Nov 2023 20:34

Tgt Ion: 95 Resp: 293339
Ion Ratio Lower Upper
95 100
174 73.7 0.0 143.8
176 69.6 0.0 135.8

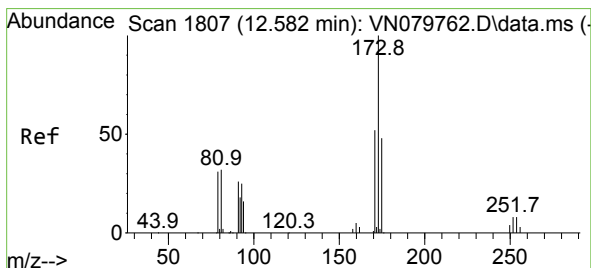
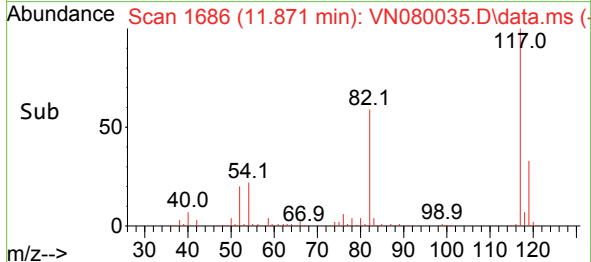
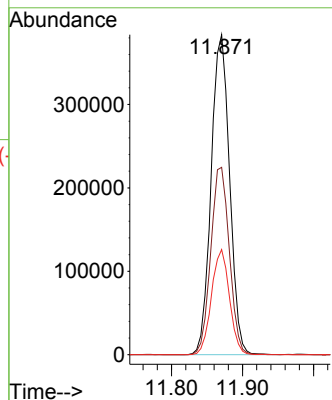
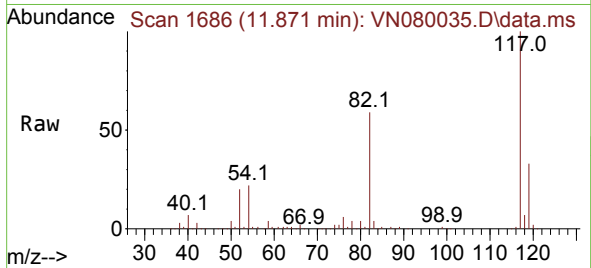




#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.871 min Scan# 11
Delta R.T. 0.000 min
Lab File: VN080035.D
Acq: 09 Nov 2023 20:34

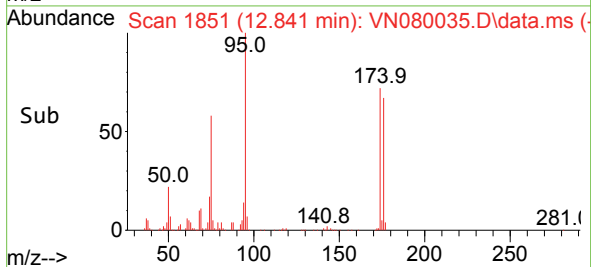
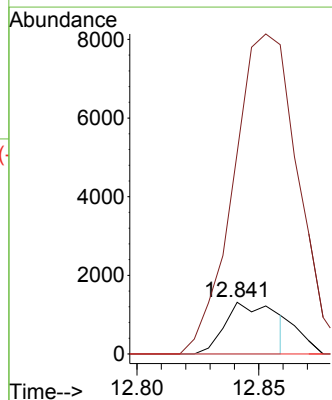
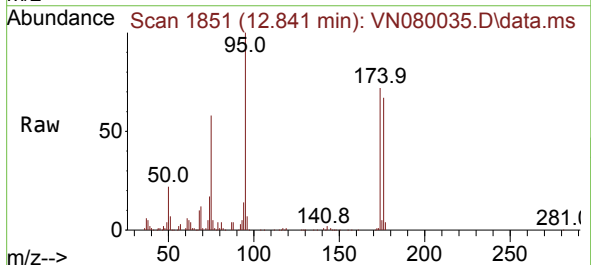
Instrument :
MSVOA_N
ClientSampleId :

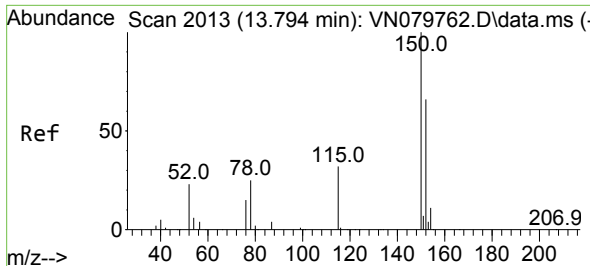
Tgt Ion:117 Resp: 692176
Ion Ratio Lower Upper
117 100
82 58.5 44.0 66.0
119 32.8 25.6 38.4



#71
Bromoform
Concen: 0.496 ug/l
RT: 12.841 min Scan# 1851
Delta R.T. 0.259 min
Lab File: VN080035.D
Acq: 09 Nov 2023 20:34

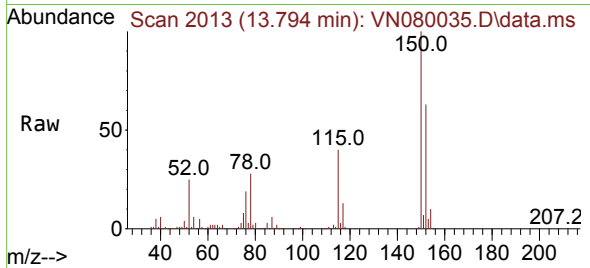
Tgt Ion:173 Resp: 1904
Ion Ratio Lower Upper
173 100
175 613.6 24.3 73.0#
254 0.0 0.0 0.0



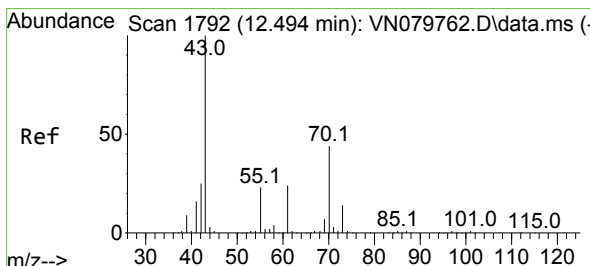
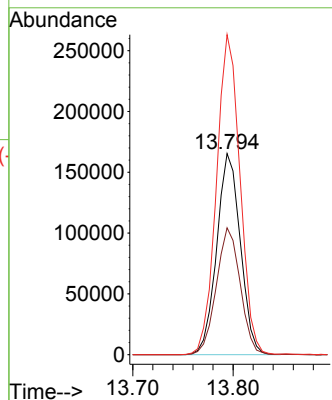
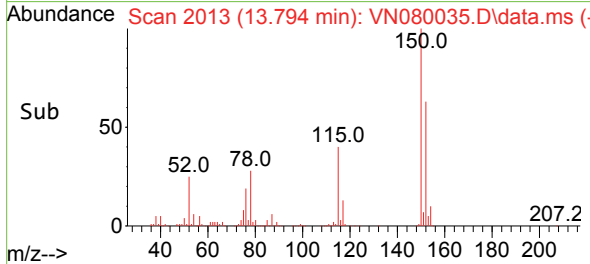


#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 13.794 min Scan# 2013
Delta R.T. 0.000 min
Lab File: VN080035.D
Acq: 09 Nov 2023 20:34

Instrument :
MSVOA_N
ClientSampleId :

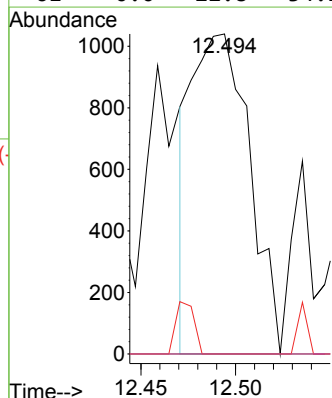
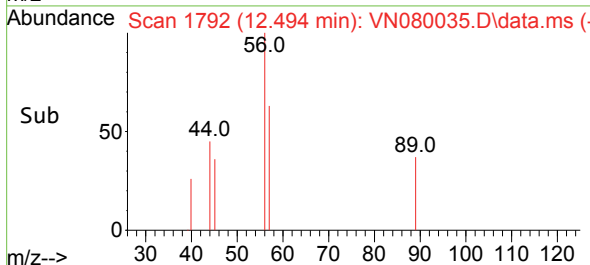
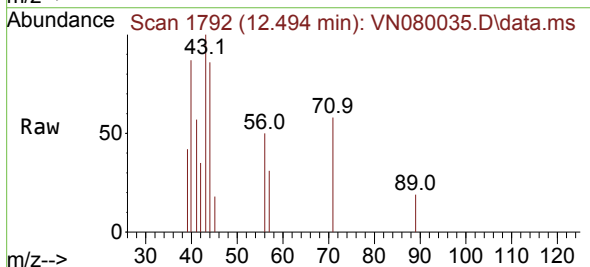


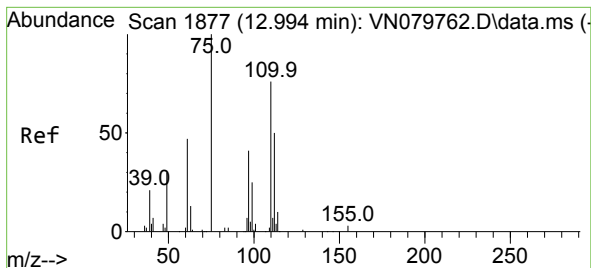
Tgt Ion:152 Resp: 270191
Ion Ratio Lower Upper
152 100
115 63.9 32.3 96.8
150 158.3 0.0 355.8



#74
N-ethyl acetate
Concen: 0.247 ug/l
RT: 12.494 min Scan# 1792
Delta R.T. 0.000 min
Lab File: VN080035.D
Acq: 09 Nov 2023 20:34

Tgt Ion: 43 Resp: 2207
Ion Ratio Lower Upper
43 100
70 0.0 43.4 65.2#
55 0.0 21.4 32.0#
61 0.0 22.8 34.2#





#76

1,2,3-Trichloropropane

Concen: 25.094 ug/l

RT: 12.853 min Scan# 1853

Delta R.T. -0.141 min

Lab File: VN080035.D

Acq: 09 Nov 2023 20:34

Instrument :

MSVOA_N

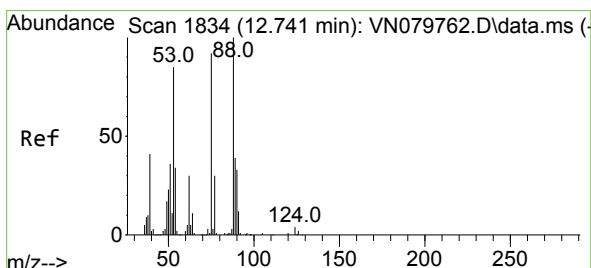
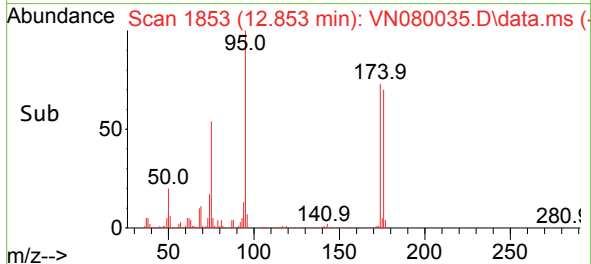
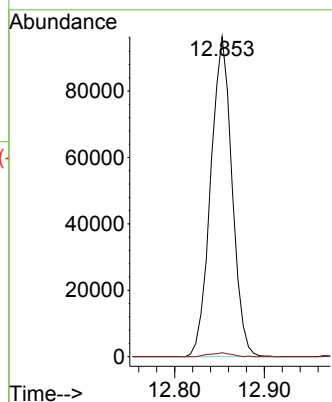
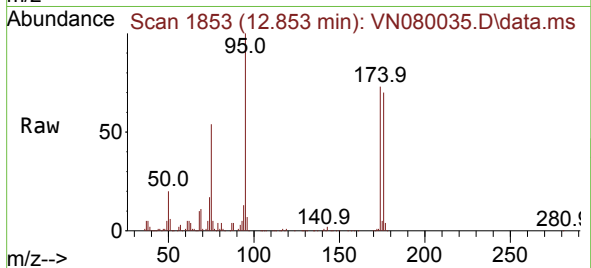
ClientSampleId :

Tgt Ion: 75 Resp: 159181

Ion Ratio Lower Upper

75 100

77 1.3 84.5 253.5#



#81

trans-1,4-Dichloro-2-butene

Concen: 68.276 ug/l

RT: 12.853 min Scan# 1853

Delta R.T. 0.118 min

Lab File: VN080035.D

Acq: 09 Nov 2023 20:34

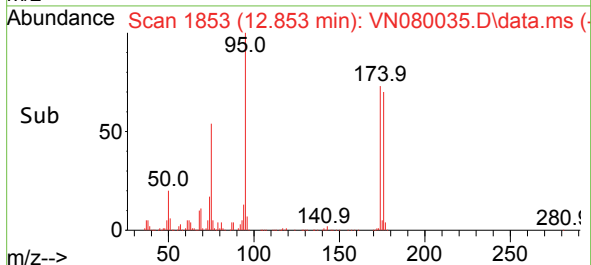
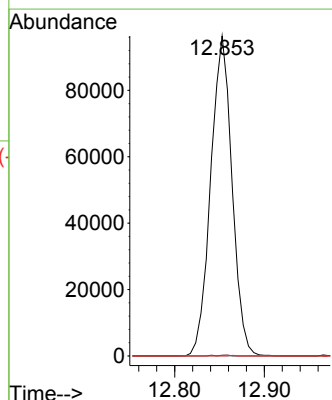
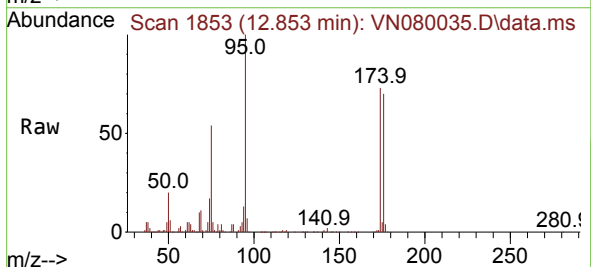
Tgt Ion: 75 Resp: 159181

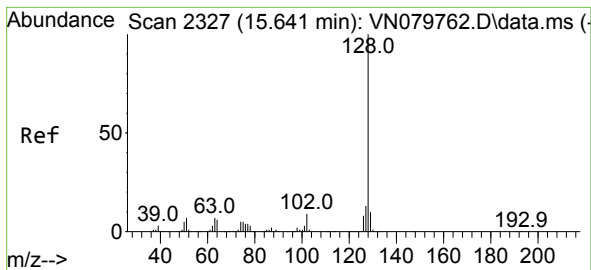
Ion Ratio Lower Upper

75 100

53 0.2 67.4 101.2#

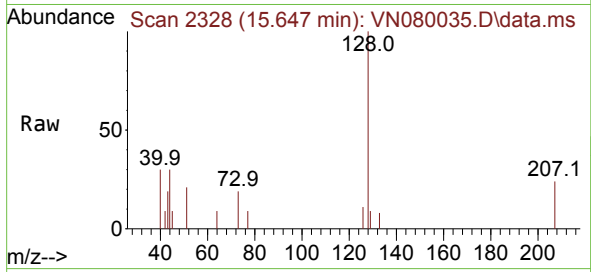
89 0.0 38.8 58.2#





#95
Naphthalene
Concen: 0.260 ug/l
RT: 15.647 min Scan# 21
Delta R.T. 0.006 min
Lab File: VN080035.D
Acq: 09 Nov 2023 20:34

Instrument :
MSVOA_N
ClientSampleId :



Tgt Ion:	128	Resp:	3694
Ion	Ratio	Lower	Upper
128	100		
127	0.0	10.0	15.0#
129	4.7	8.7	13.1#

