

Data Path : Z:\voasrv\HPCHEM1\MSVOA_N\Data\VN110923\
 Data File : VN080036.D
 Acq On : 09 Nov 2023 20:58
 Operator : JC\MD
 Sample : 05311-09
 Misc : 5.0mL/MSVOA_N/WATER
 ALS Vial : 17 Sample Multiplier: 1

Instrument :
 MSVOA_N
 ClientSampleId :

Quant Time: Nov 10 00:42:25 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)

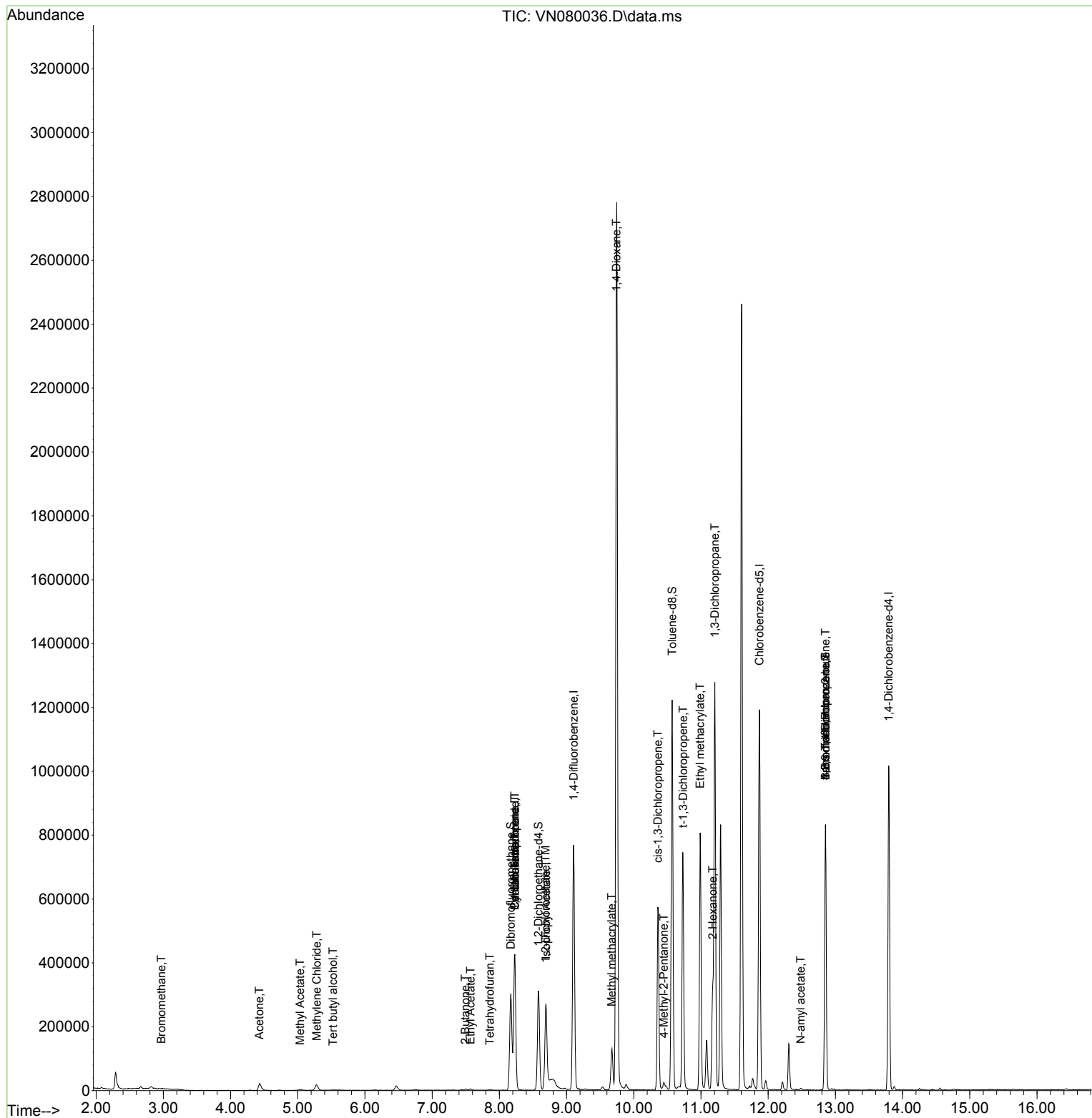
Internal Standards						
1) Pentafluorobenzene	8.230	168	298838	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	9.106	114	637244	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.870	117	684768	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.794	152	263432	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.582	65	260203	57.151	ug/l	0.00
Spiked Amount 50.000	Range 74 - 125		Recovery = 114.300%			
35) Dibromofluoromethane	8.171	113	217038	48.122	ug/l	0.00
Spiked Amount 50.000	Range 75 - 124		Recovery = 96.240%			
50) Toluene-d8	10.571	98	826098	49.754	ug/l	0.00
Spiked Amount 50.000	Range 86 - 113		Recovery = 99.500%			
62) 4-Bromofluorobenzene	12.853	95	289419	52.559	ug/l	0.00
Spiked Amount 50.000	Range 83 - 123		Recovery = 105.120%			
Target Compounds						Qvalue
3) Chloromethane	2.365	50	687	Below Cal	#	42
5) Bromomethane	2.971	94	682	0.238	ug/l #	71
11) Tert butyl alcohol	5.524	59	840	1.445	ug/l #	72
16) Acetone	4.430	43	39967	24.991	ug/l	97
18) Methyl Acetate	5.036	43	6101	0.797	ug/l #	83
20) Methylene Chloride	5.283	84	13960	3.459	ug/l	85
25) 2-Butanone	7.494	43	6039	2.579	ug/l #	73
29) Tetrahydrofuran	7.859	42	1291	0.847	ug/l #	36
31) Cyclohexane	8.230	56	7450	1.238	ug/l #	7
36) 1,1-Dichloropropene	8.230	75	25702	3.991	ug/l #	48
37) Ethyl Acetate	7.571	43	6415	1.086	ug/l #	81
38) Carbon Tetrachloride	8.230	117	33325	5.135	ug/l #	15
42) 1,2-Dichloroethane	8.688	62	1830	0.272	ug/l #	73
43) Isopropyl Acetate	8.694	43	323888	31.271	ug/l #	78
48) Methyl methacrylate	9.671	41	7676	1.692	ug/l #	29
49) 1,4-Dioxane	9.741	88	354	4.416	ug/l #	1
51) 4-Methyl-2-Pentanone	10.447	43	23838	4.088	ug/l #	68
53) t-1,3-Dichloropropene	10.735	75	1839	0.261	ug/l #	71
54) cis-1,3-Dichloropropene	10.359	75	102739	13.395	ug/l #	68
56) Ethyl methacrylate	10.988	69	4562	0.695	ug/l #	1
57) 1,3-Dichloropropane	11.206	76	12459	1.537	ug/l #	43
59) 2-Hexanone	11.176	43	275397	61.737	ug/l #	19
71) Bromoform	12.853	173	1890	0.497	ug/l #	1
74) N-amyl acetate	12.482	43	2378	0.272	ug/l #	39
76) 1,2,3-Trichloropropane	12.853	75	152254	24.618	ug/l #	1
81) trans-1,4-Dichloro-2-b...	12.853	75	152254	66.980	ug/l #	15

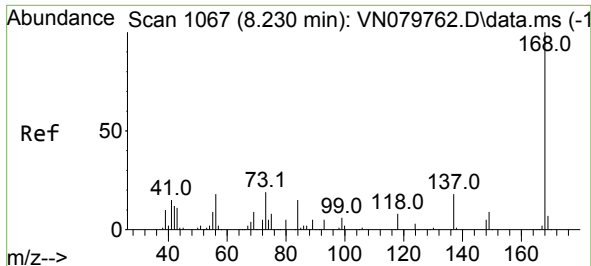
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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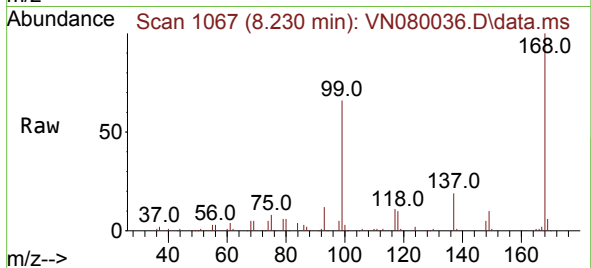
Quant Time: Nov 10 00:42:25 2023
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_N\methods\82N110123W.M
Quant Title : SW846 8260
QLast Update : Thu Nov 02 05:49:08 2023
Response via : Initial Calibration



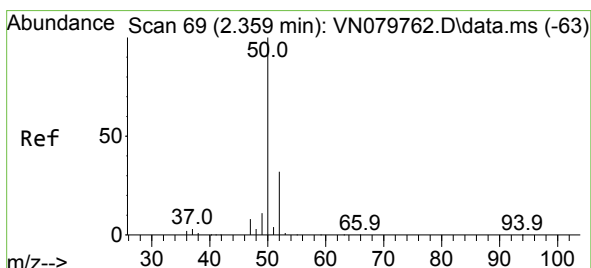
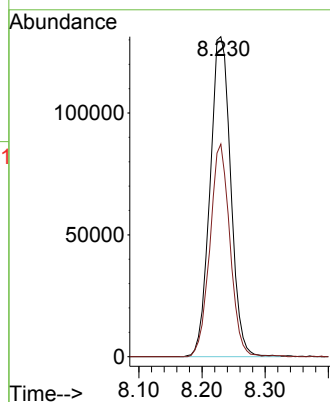
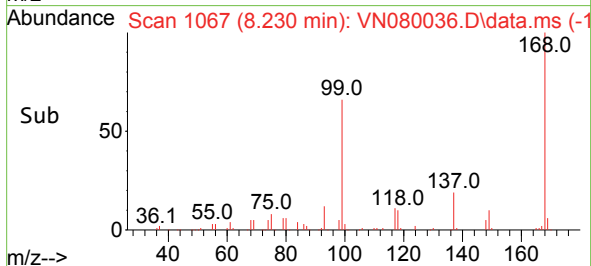


#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 8.230 min Scan# 10
Delta R.T. 0.001 min
Lab File: VN080036.D
Acq: 09 Nov 2023 20:58

Instrument :
MSVOA_N
ClientSampleId :

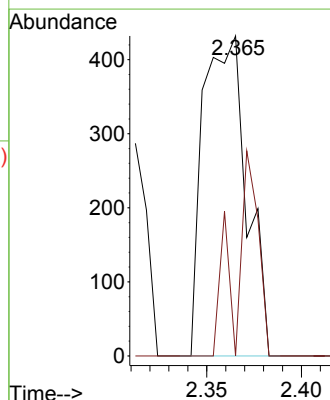
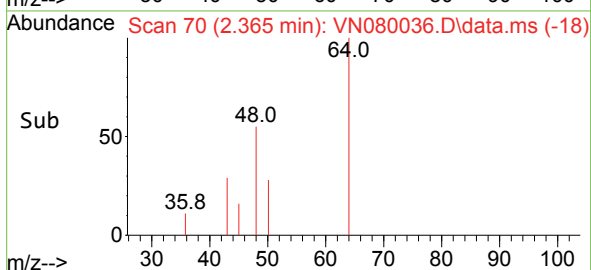
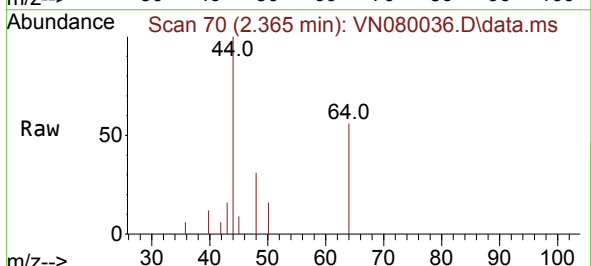


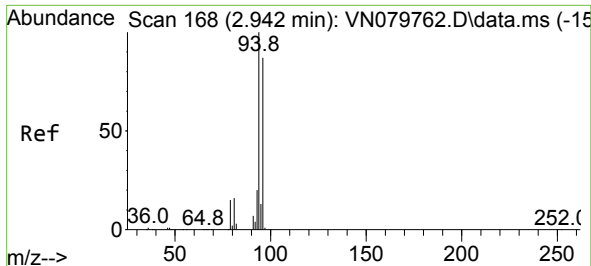
Tgt Ion:168 Resp: 298838
Ion Ratio Lower Upper
168 100
99 66.4 53.0 79.6



#3
Chloromethane
Concen: Below Cal
RT: 2.365 min Scan# 70
Delta R.T. 0.006 min
Lab File: VN080036.D
Acq: 09 Nov 2023 20:58

Tgt Ion: 50 Resp: 687
Ion Ratio Lower Upper
50 100
52 0.0 26.5 39.7#

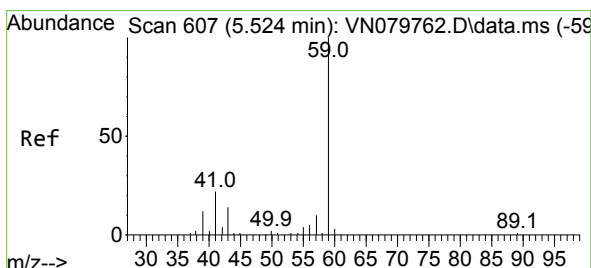
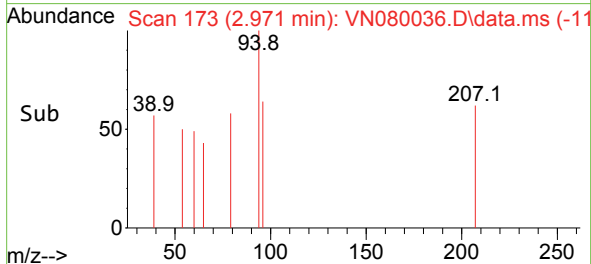
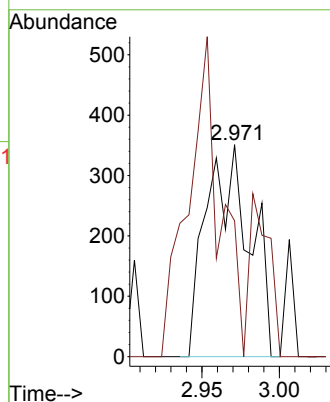
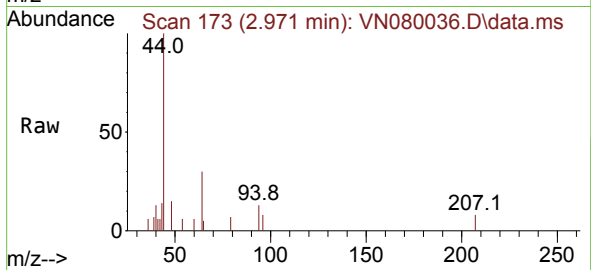




#5
Bromomethane
Concen: 0.238 ug/l
RT: 2.971 min Scan# 11
Delta R.T. 0.018 min
Lab File: VN080036.D
Acq: 09 Nov 2023 20:58

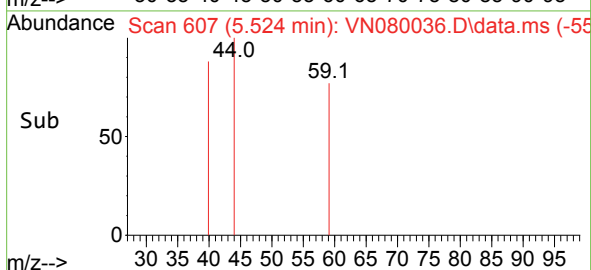
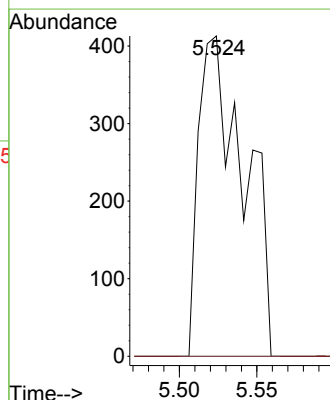
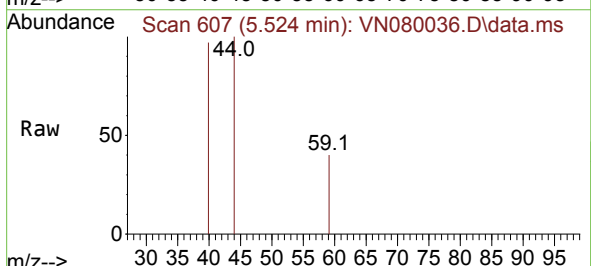
Instrument :
MSVOA_N
ClientSampleId :

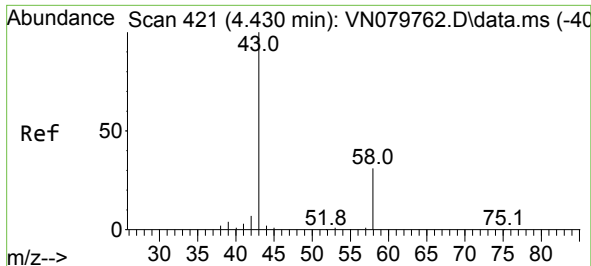
Tgt Ion: 94 Resp: 682
Ion Ratio Lower Upper
94 100
96 64.1 73.1 109.7#



#11
Tert butyl alcohol
Concen: 1.445 ug/l
RT: 5.524 min Scan# 607
Delta R.T. 0.006 min
Lab File: VN080036.D
Acq: 09 Nov 2023 20:58

Tgt Ion: 59 Resp: 840
Ion Ratio Lower Upper
59 100
57 0.0 8.2 12.4#

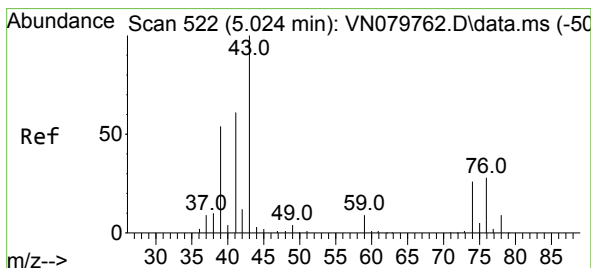
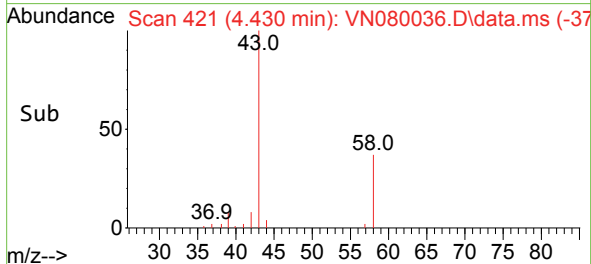
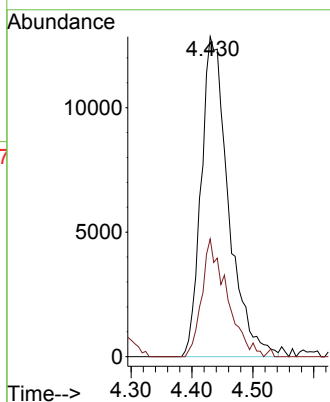
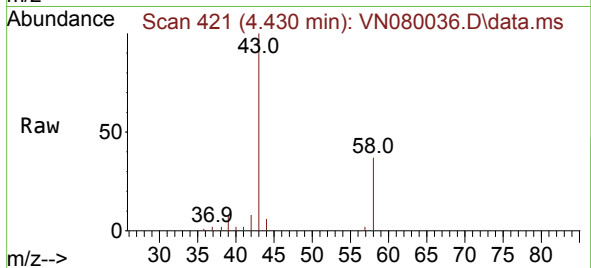




#16
Acetone
Concen: 24.991 ug/l
RT: 4.430 min Scan# 41
Delta R.T. 0.000 min
Lab File: VN080036.D
Acq: 09 Nov 2023 20:58

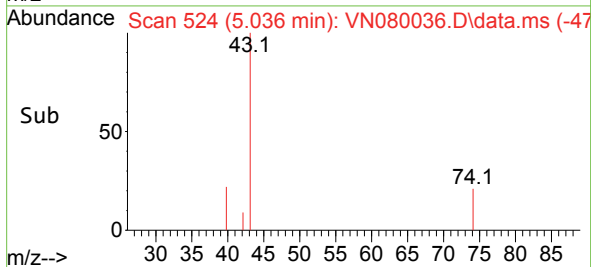
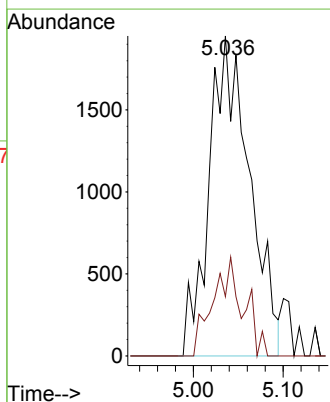
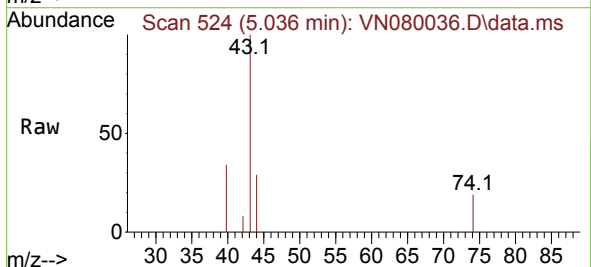
Instrument :
MSVOA_N
ClientSampleId :

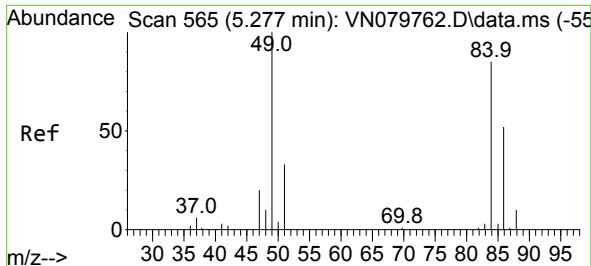
Tgt Ion: 43 Resp: 39967
Ion Ratio Lower Upper
43 100
58 36.8 28.0 42.0



#18
Methyl Acetate
Concen: 0.797 ug/l
RT: 5.036 min Scan# 524
Delta R.T. 0.012 min
Lab File: VN080036.D
Acq: 09 Nov 2023 20:58

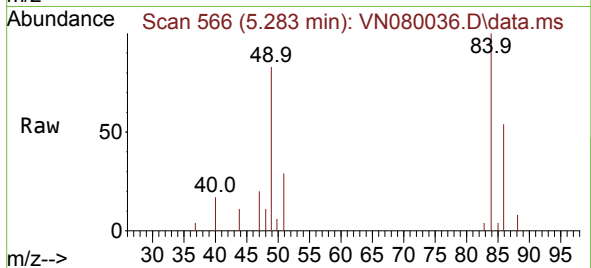
Tgt Ion: 43 Resp: 6101
Ion Ratio Lower Upper
43 100
74 23.0 26.2 39.4#



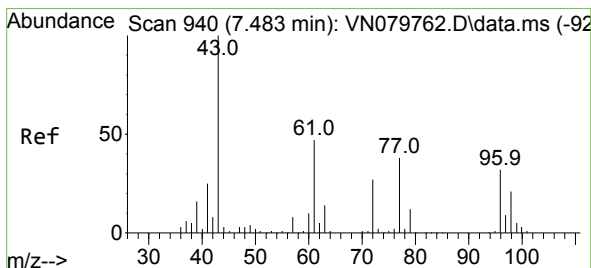
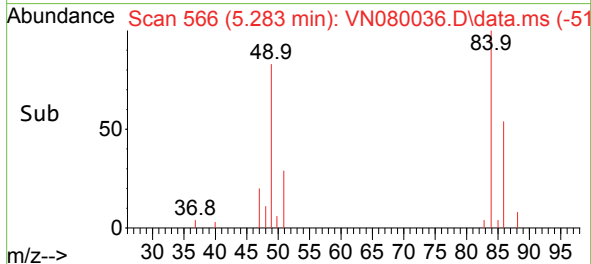
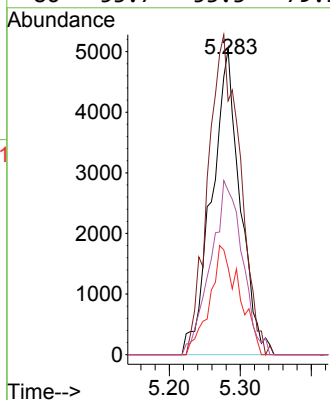


#20
Methylene Chloride
Concen: 3.459 ug/l
RT: 5.283 min Scan# 51
Delta R.T. 0.012 min
Lab File: VN080036.D
Acq: 09 Nov 2023 20:58

Instrument :
MSVOA_N
ClientSampleId :

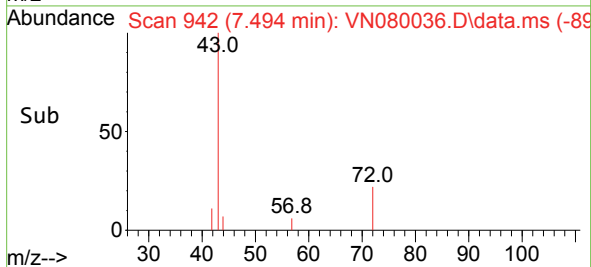
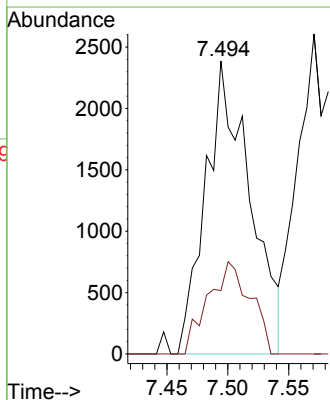
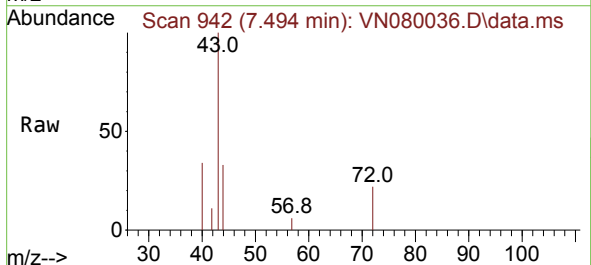


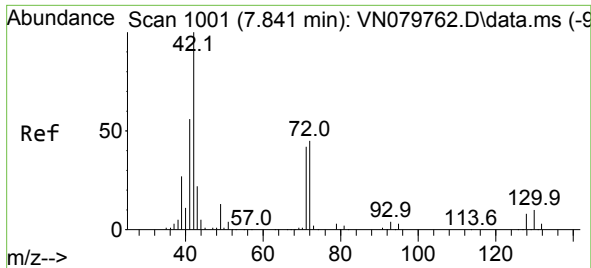
Tgt Ion: 84	Resp: 13960
Ion Ratio	Lower Upper
84 100	
49 83.0	79.7 119.5
51 28.5	25.2 37.8
86 53.7	53.3 79.9



#25
2-Butanone
Concen: 2.579 ug/l
RT: 7.494 min Scan# 942
Delta R.T. 0.006 min
Lab File: VN080036.D
Acq: 09 Nov 2023 20:58

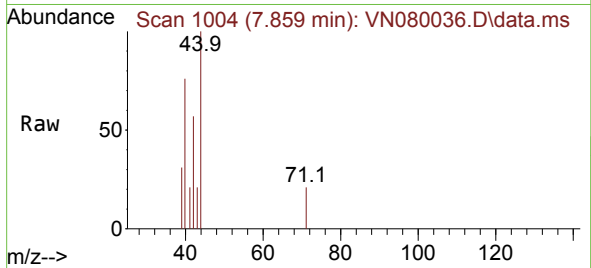
Tgt Ion: 43	Resp: 6039
Ion Ratio	Lower Upper
43 100	
72 21.7	30.2 45.2#



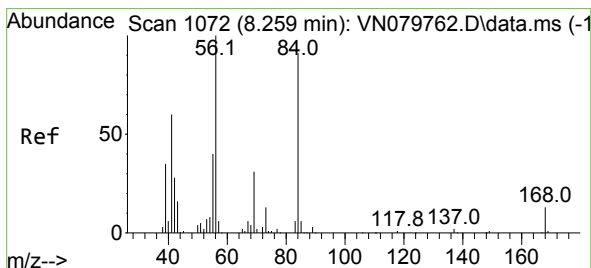
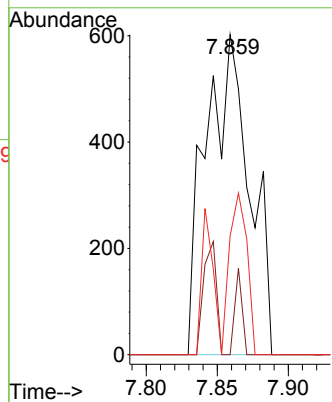
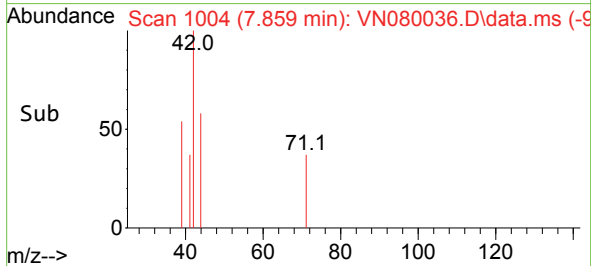


#29
Tetrahydrofuran
Concen: 0.847 ug/l
RT: 7.859 min Scan# 1004
Delta R.T. 0.018 min
Lab File: VN080036.D
Acq: 09 Nov 2023 20:58

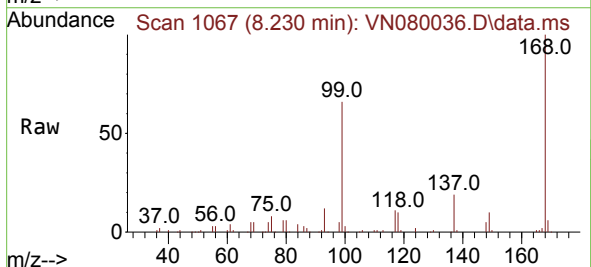
Instrument :
MSVOA_N
ClientSampleId :



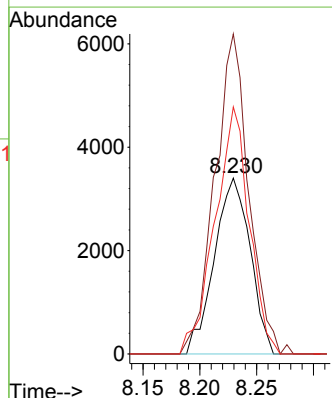
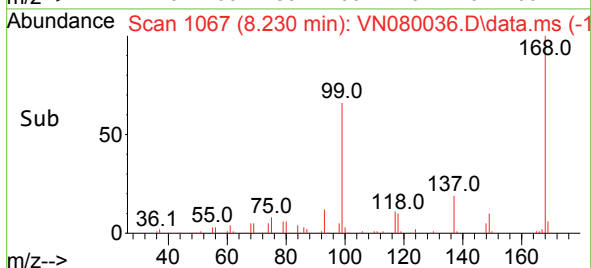
Tgt Ion: 42 Resp: 1291
Ion Ratio Lower Upper
42 100
72 4.4 49.8 74.6#
71 20.4 47.4 71.2#

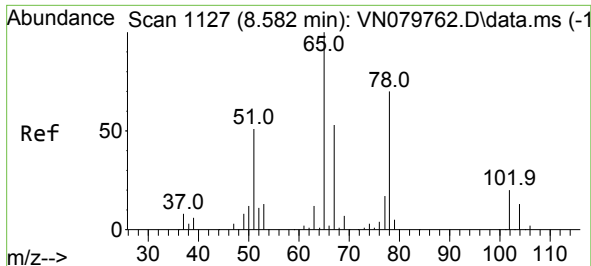


#31
Cyclohexane
Concen: 1.238 ug/l
RT: 8.230 min Scan# 1067
Delta R.T. -0.029 min
Lab File: VN080036.D
Acq: 09 Nov 2023 20:58



Tgt Ion: 56 Resp: 7450
Ion Ratio Lower Upper
56 100
69 181.9 26.8 40.2#
84 140.5 81.8 122.6#





#33

1,2-Dichloroethane-d4

Concen: 57.151 ug/l

RT: 8.582 min Scan# 1127

Delta R.T. 0.000 min

Lab File: VN080036.D

Acq: 09 Nov 2023 20:58

Instrument :

MSVOA_N

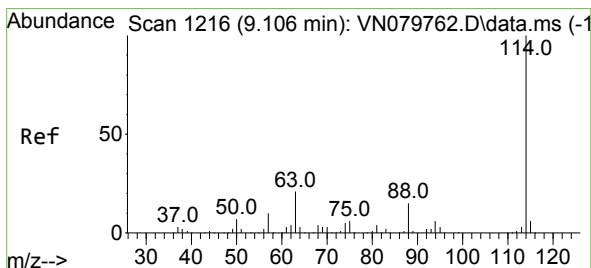
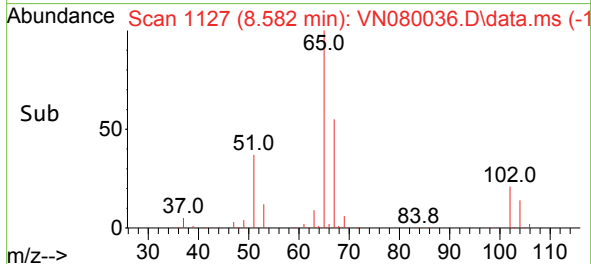
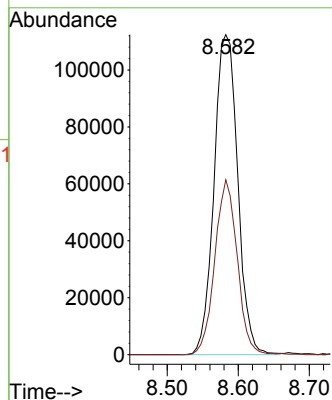
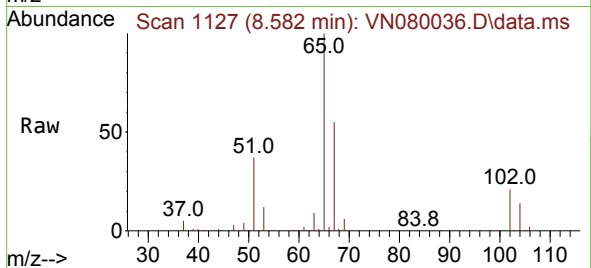
ClientSampleId :

Tgt Ion: 65 Resp: 260203

Ion Ratio Lower Upper

65 100

67 51.8 0.0 106.6



#34

1,4-Difluorobenzene

Concen: 50.000 ug/l

RT: 9.106 min Scan# 1216

Delta R.T. 0.000 min

Lab File: VN080036.D

Acq: 09 Nov 2023 20:58

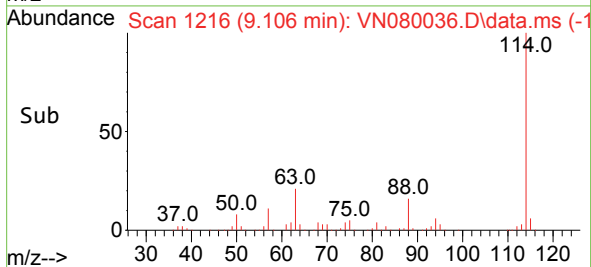
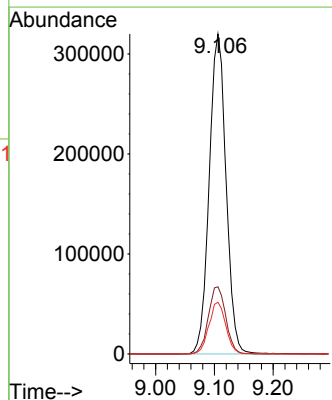
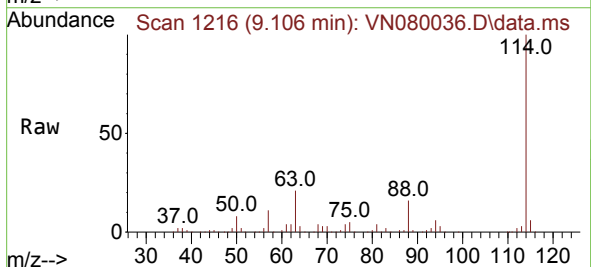
Tgt Ion: 114 Resp: 637244

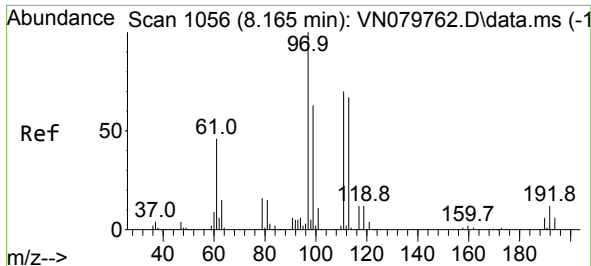
Ion Ratio Lower Upper

114 100

63 21.0 0.0 36.4

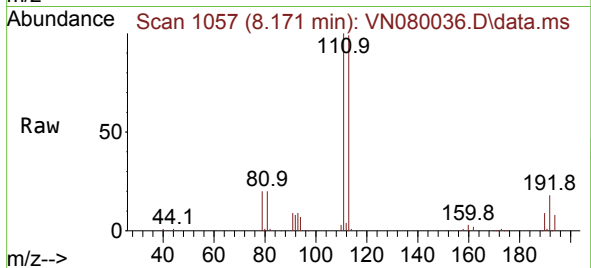
88 16.2 0.0 30.6



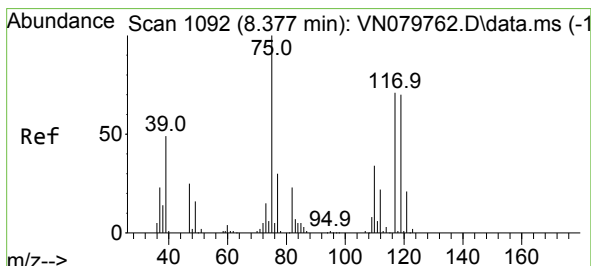
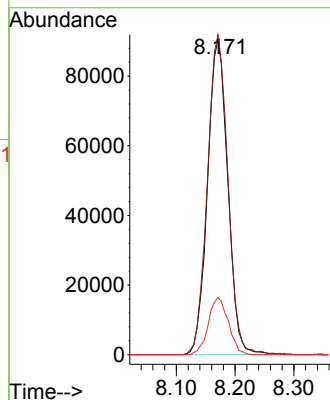
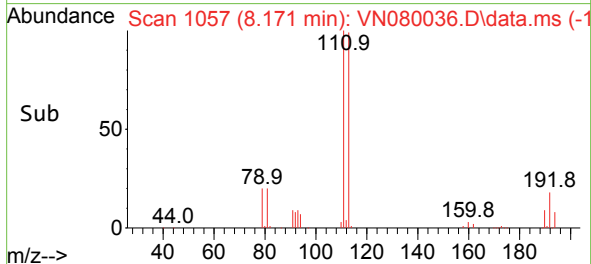


#35
Dibromofluoromethane
Concen: 48.122 ug/l
RT: 8.171 min Scan# 1056
Delta R.T. 0.000 min
Lab File: VN080036.D
Acq: 09 Nov 2023 20:58

Instrument :
MSVOA_N
ClientSampleId :

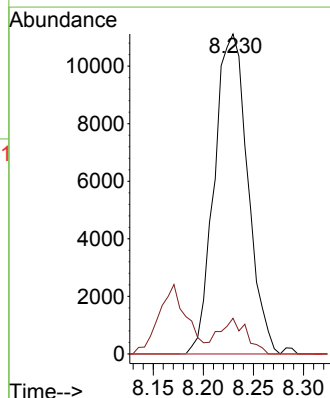
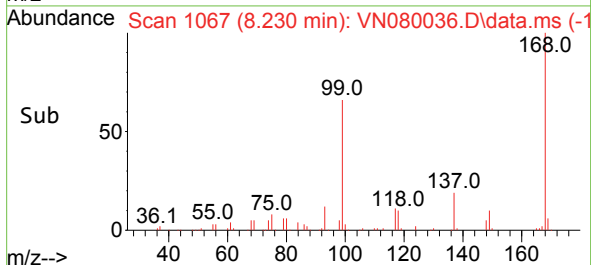
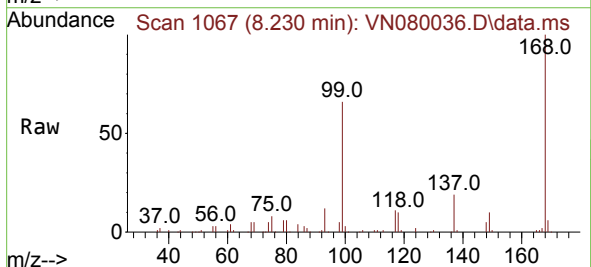


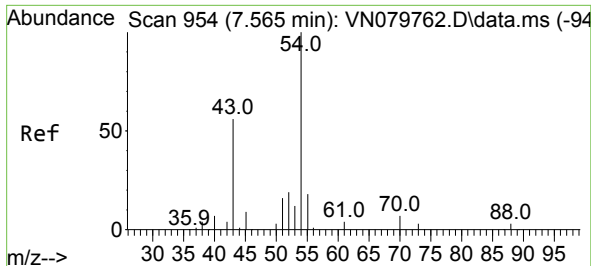
Tgt Ion:113 Resp: 217038
Ion Ratio Lower Upper
113 100
111 102.8 82.6 123.8
192 17.9 12.7 19.1



#36
1,1-Dichloropropene
Concen: 3.991 ug/l
RT: 8.230 min Scan# 1067
Delta R.T. -0.147 min
Lab File: VN080036.D
Acq: 09 Nov 2023 20:58

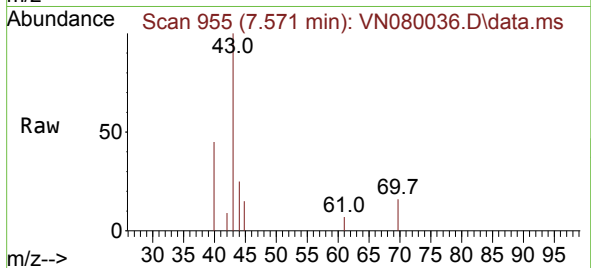
Tgt Ion: 75 Resp: 25702
Ion Ratio Lower Upper
75 100
110 9.5 19.1 57.3#
77 0.0 25.0 37.4#



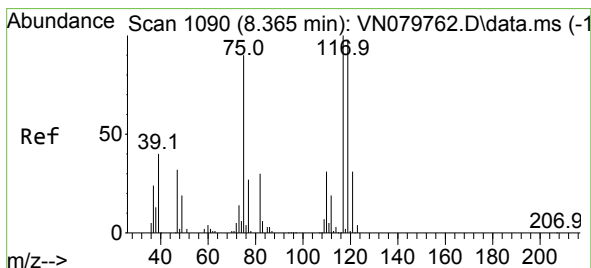
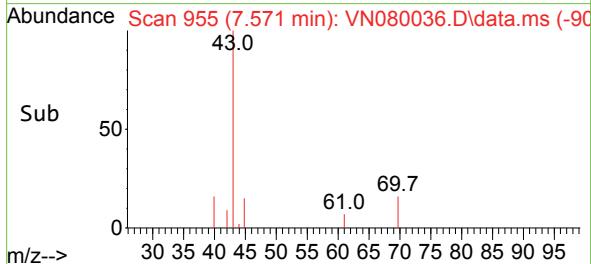
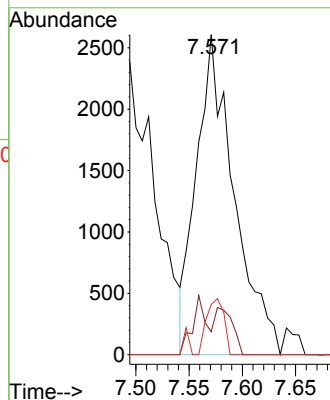


#37
Ethyl Acetate
Concen: 1.086 ug/l
RT: 7.571 min Scan# 91
Delta R.T. 0.006 min
Lab File: VN080036.D
Acq: 09 Nov 2023 20:58

Instrument :
MSVOA_N
ClientSampleId :

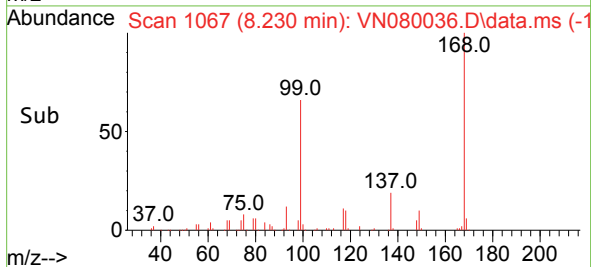
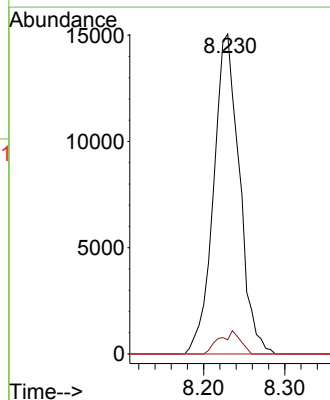
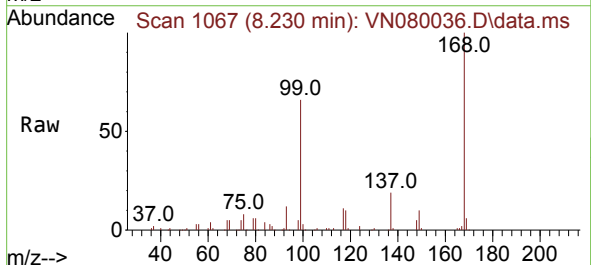


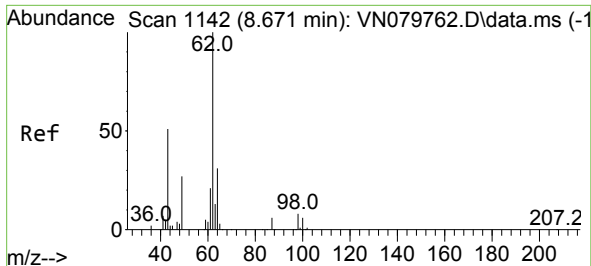
Tgt Ion: 43 Resp: 6415
Ion Ratio Lower Upper
43 100
61 6.8 13.2 19.8#
70 8.1 11.3 16.9#



#38
Carbon Tetrachloride
Concen: 5.135 ug/l
RT: 8.230 min Scan# 1067
Delta R.T. -0.129 min
Lab File: VN080036.D
Acq: 09 Nov 2023 20:58

Tgt Ion: 117 Resp: 33325
Ion Ratio Lower Upper
117 100
119 4.4 77.3 115.9#
121 0.0 23.3 34.9#





#42

1,2-Dichloroethane

Concen: 0.272 ug/l

RT: 8.688 min Scan# 1145

Delta R.T. 0.018 min

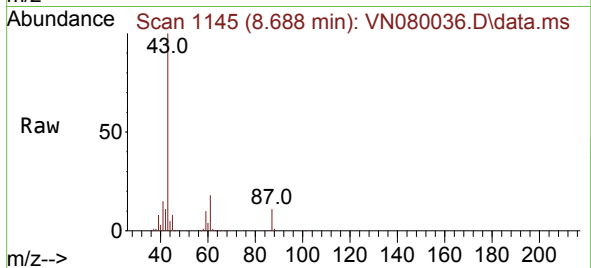
Lab File: VN080036.D

Acq: 09 Nov 2023 20:58

Instrument :

MSVOA_N

ClientSampleId :

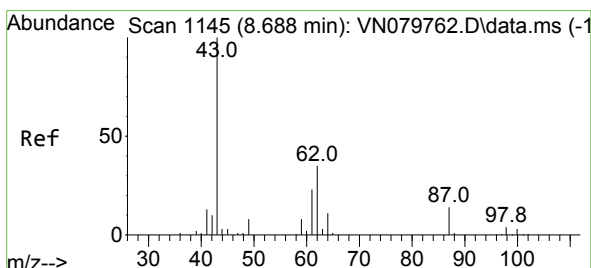
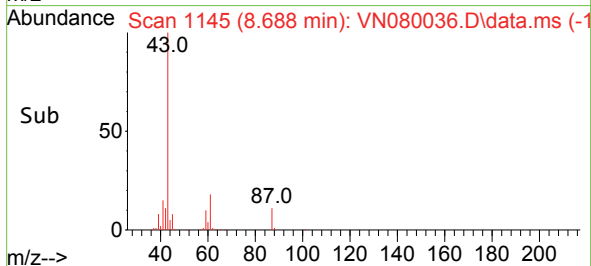
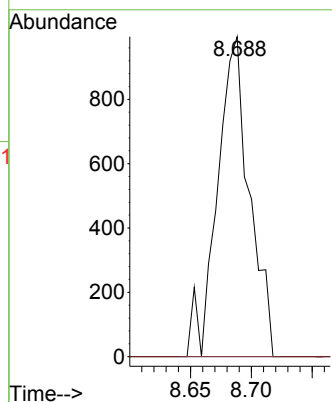


Tgt Ion: 62 Resp: 1830

Ion Ratio Lower Upper

62 100

98 0.0 0.0 19.8



#43

Isopropyl Acetate

Concen: 31.271 ug/l

RT: 8.694 min Scan# 1146

Delta R.T. 0.006 min

Lab File: VN080036.D

Acq: 09 Nov 2023 20:58

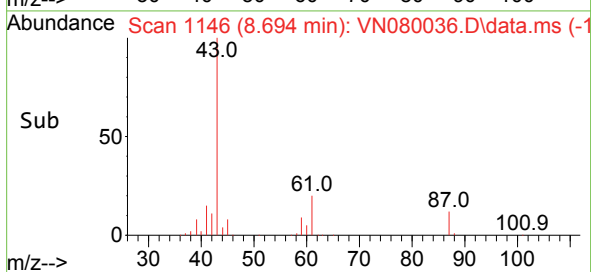
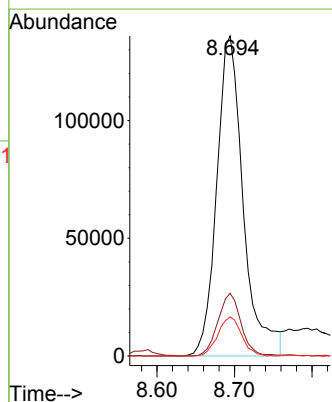
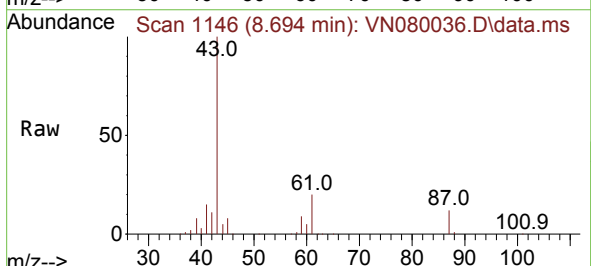
Tgt Ion: 43 Resp: 323888

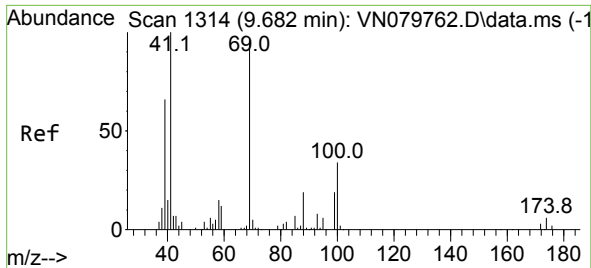
Ion Ratio Lower Upper

43 100

61 17.1 24.7 37.1#

87 10.9 14.6 21.8#

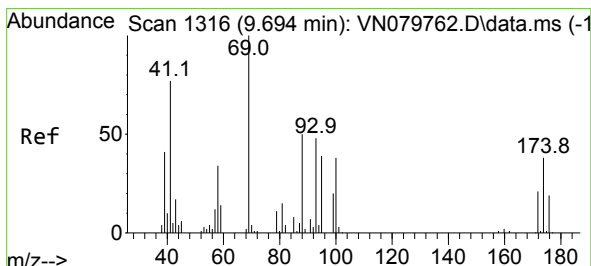
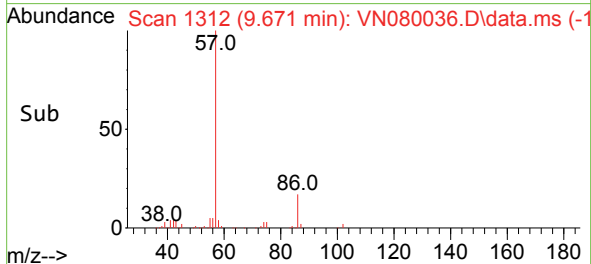
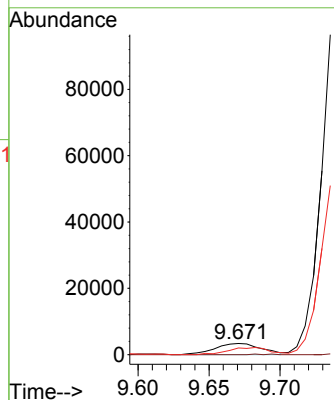
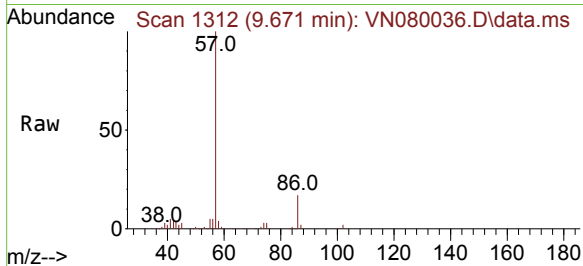




#48
Methyl methacrylate
Concen: 1.692 ug/l
RT: 9.671 min Scan# 1312
Delta R.T. -0.012 min
Lab File: VN080036.D
Acq: 09 Nov 2023 20:58

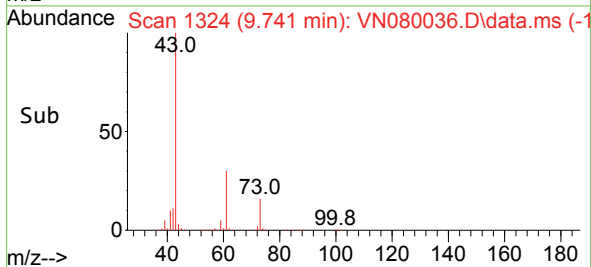
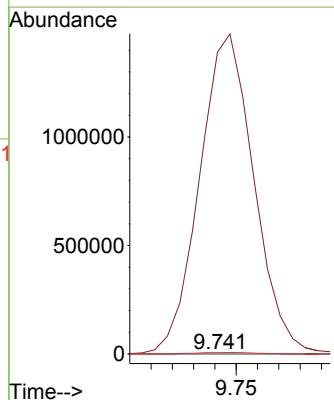
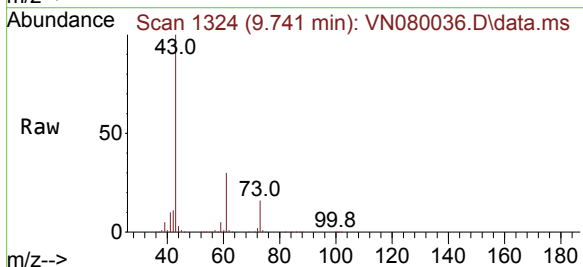
Instrument :
MSVOA_N
ClientSampleId :

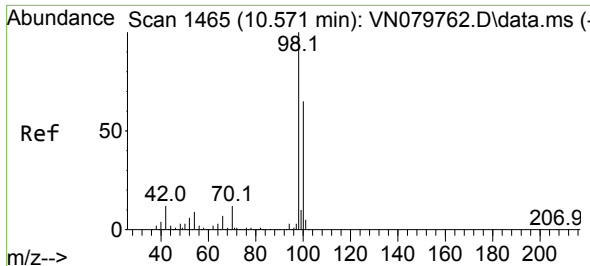
Tgt Ion: 41 Resp: 7676
Ion Ratio Lower Upper
41 100
69 0.0 90.4 135.6#
39 57.8 54.6 81.8



#49
1,4-Dioxane
Concen: 4.416 ug/l
RT: 9.741 min Scan# 1324
Delta R.T. 0.047 min
Lab File: VN080036.D
Acq: 09 Nov 2023 20:58

Tgt Ion: 88 Resp: 354
Ion Ratio Lower Upper
88 100
43 743451.7 17.0 25.6#
58 3866.9 47.0 70.4#

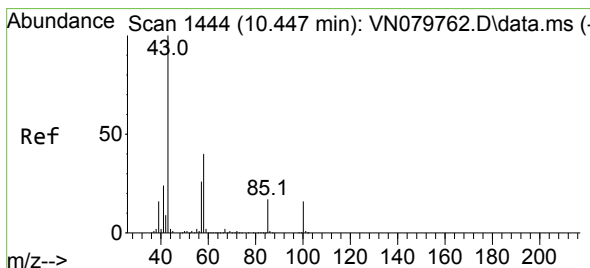
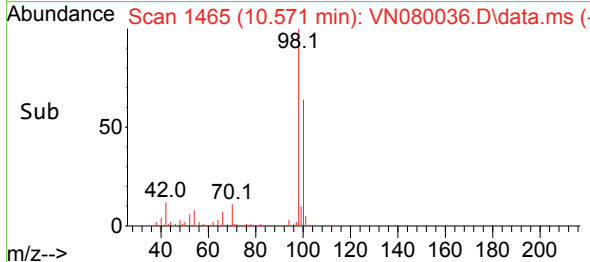
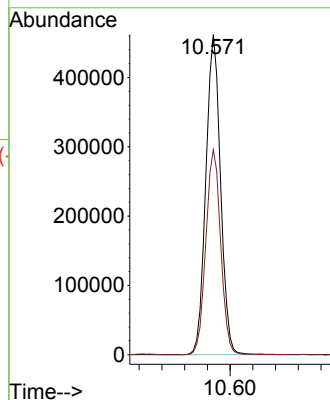
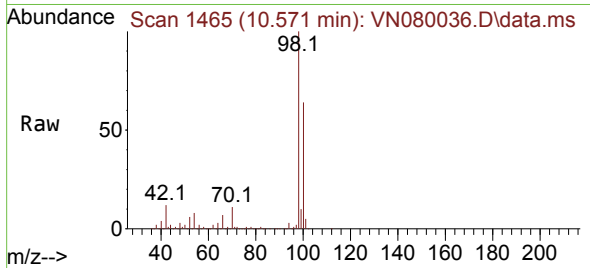




#50
Toluene-d8
Concen: 49.754 ug/l
RT: 10.571 min Scan# 1465
Delta R.T. 0.000 min
Lab File: VN080036.D
Acq: 09 Nov 2023 20:58

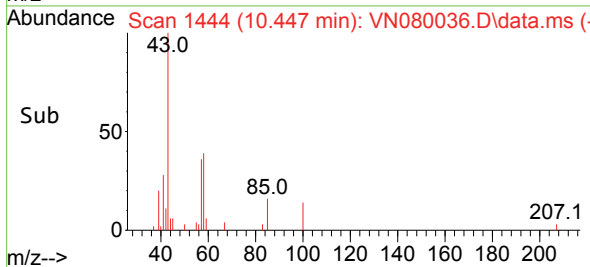
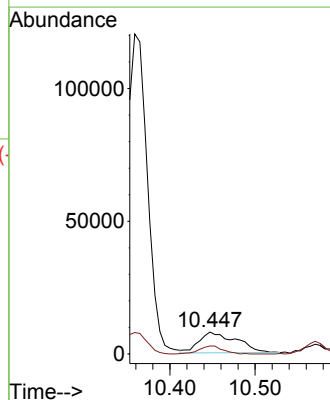
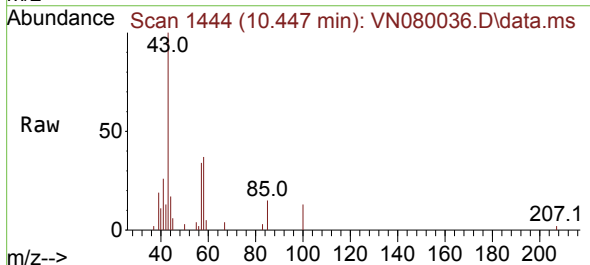
Instrument :
MSVOA_N
ClientSampleId :

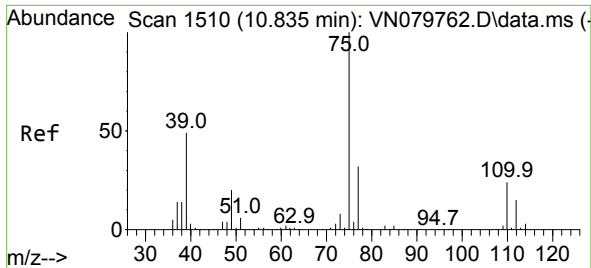
Tgt Ion: 98 Resp: 826098
Ion Ratio Lower Upper
98 100
100 64.6 52.0 78.0



#51
4-Methyl-2-Pentanone
Concen: 4.088 ug/l
RT: 10.447 min Scan# 1444
Delta R.T. 0.000 min
Lab File: VN080036.D
Acq: 09 Nov 2023 20:58

Tgt Ion: 43 Resp: 23838
Ion Ratio Lower Upper
43 100
58 24.5 36.6 54.8#

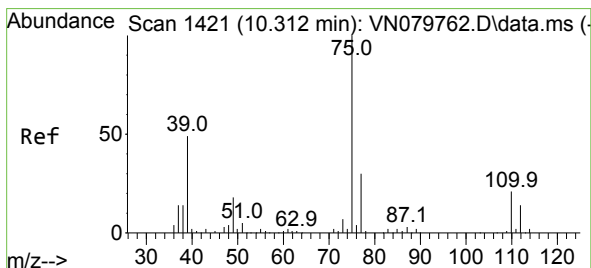
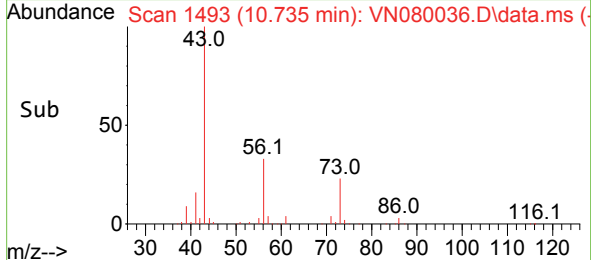
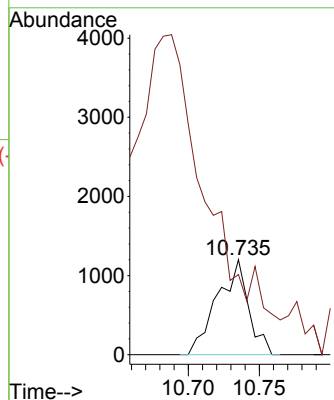
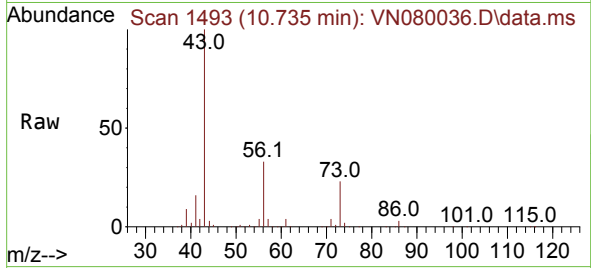




#53
 t-1,3-Dichloropropene
 Concen: 0.261 ug/l
 RT: 10.735 min Scan# 1493
 Delta R.T. -0.106 min
 Lab File: VN080036.D
 Acq: 09 Nov 2023 20:58

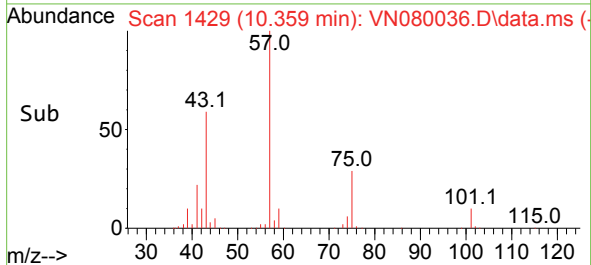
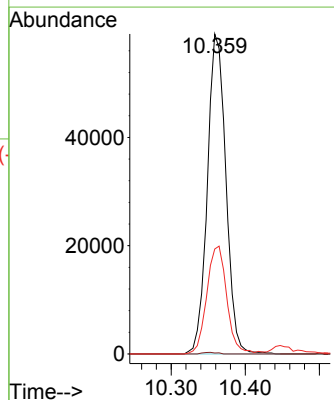
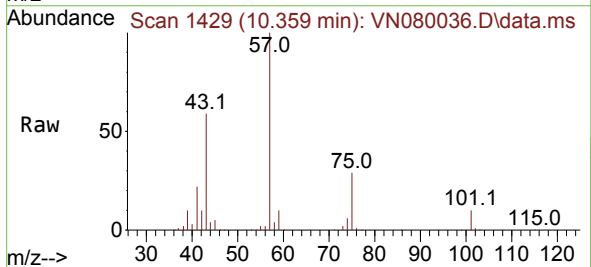
Instrument :
 MSVOA_N
 ClientSampleId :

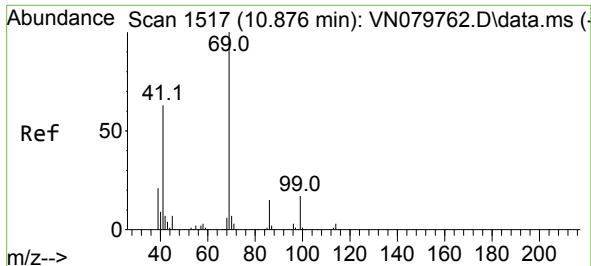
Tgt Ion: 75 Resp: 1839
 Ion Ratio Lower Upper
 75 100
 77 47.9 25.4 38.0#



#54
 cis-1,3-Dichloropropene
 Concen: 13.395 ug/l
 RT: 10.359 min Scan# 1429
 Delta R.T. 0.041 min
 Lab File: VN080036.D
 Acq: 09 Nov 2023 20:58

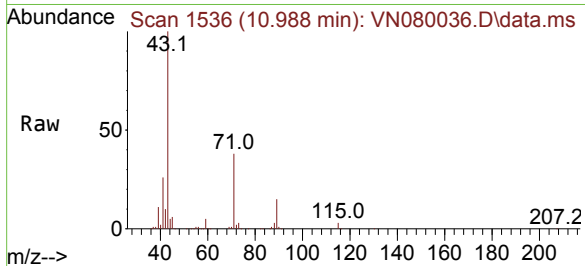
Tgt Ion: 75 Resp: 102739
 Ion Ratio Lower Upper
 75 100
 77 0.3 26.1 39.1#
 39 32.8 31.6 47.4



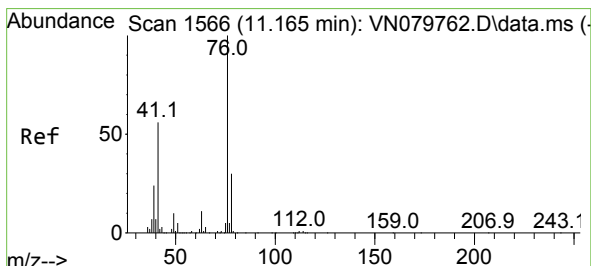
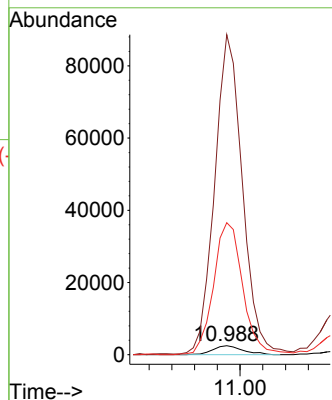
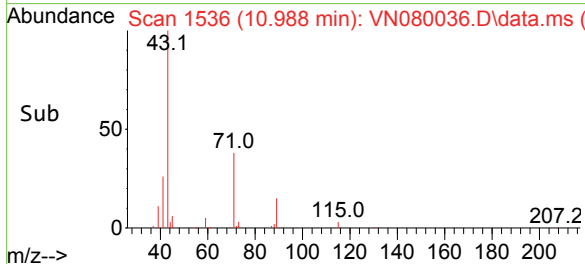


#56
Ethyl methacrylate
Concen: 0.695 ug/l
RT: 10.988 min Scan# 1536
Delta R.T. 0.112 min
Lab File: VN080036.D
Acq: 09 Nov 2023 20:58

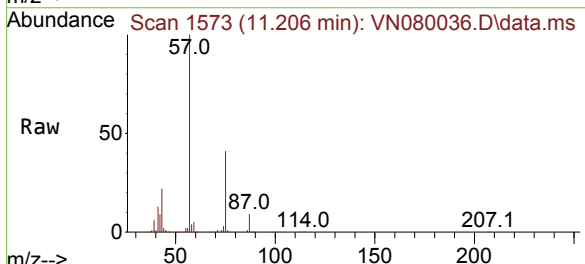
Instrument :
MSVOA_N
ClientSampleId :



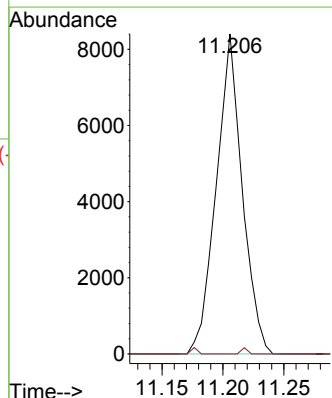
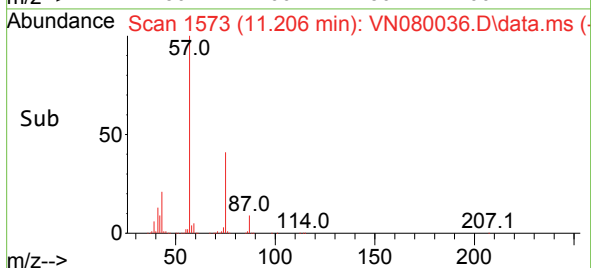
Tgt Ion: 69 Resp: 4562
Ion Ratio Lower Upper
69 100
41 3287.9 39.6 59.4#
39 1433.5 28.6 43.0#

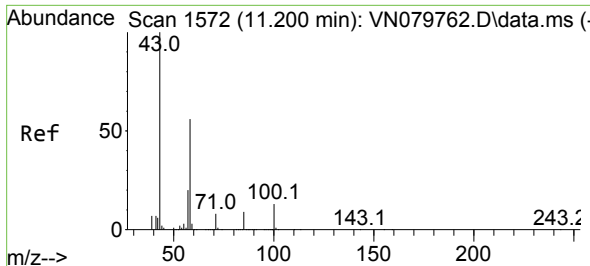


#57
1,3-Dichloropropane
Concen: 1.537 ug/l
RT: 11.206 min Scan# 1573
Delta R.T. 0.041 min
Lab File: VN080036.D
Acq: 09 Nov 2023 20:58



Tgt Ion: 76 Resp: 12459
Ion Ratio Lower Upper
76 100
78 0.5 26.1 39.1#

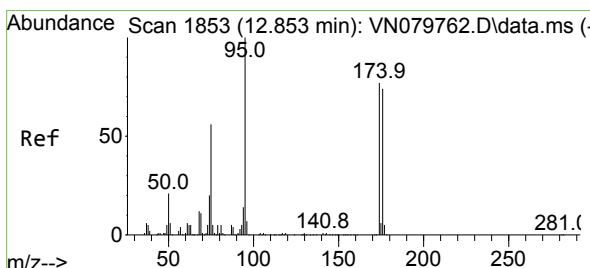
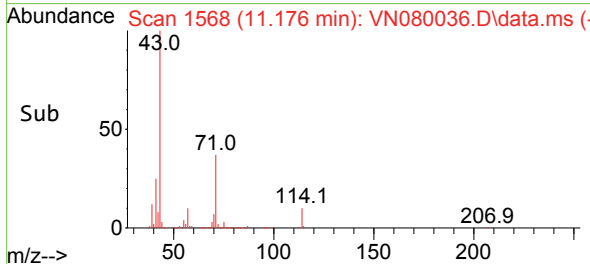
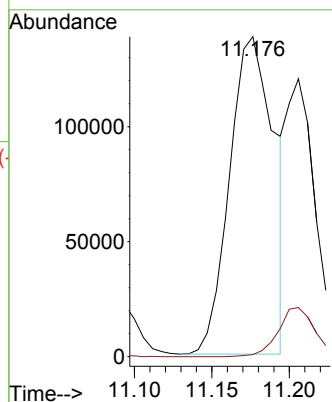
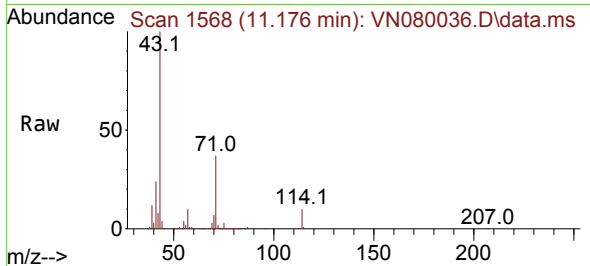




#59
2-Hexanone
Concen: 61.737 ug/l
RT: 11.176 min Scan# 11176
Delta R.T. -0.023 min
Lab File: VN080036.D
Acq: 09 Nov 2023 20:58

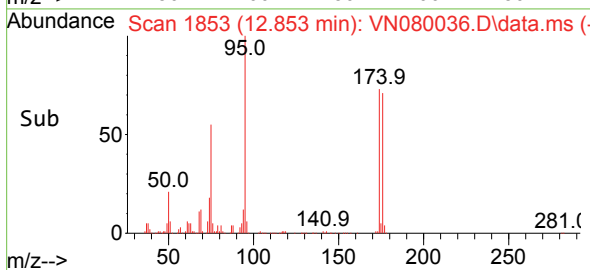
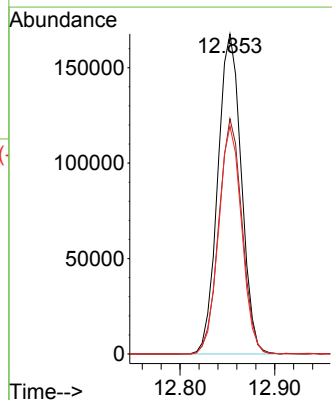
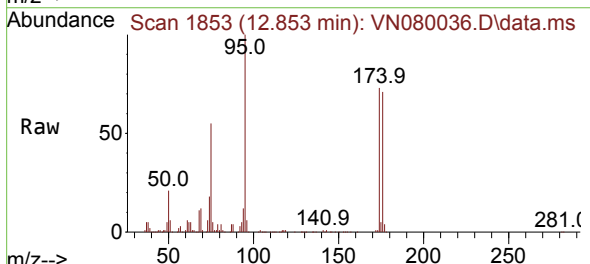
Instrument :
MSVOA_N
ClientSampleId :

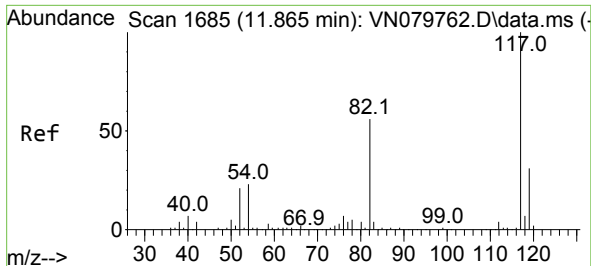
Tgt Ion: 43 Resp: 275397
Ion Ratio Lower Upper
43 100
58 0.0 31.7 95.1#



#62
4-Bromofluorobenzene
Concen: 52.559 ug/l
RT: 12.853 min Scan# 1853
Delta R.T. 0.000 min
Lab File: VN080036.D
Acq: 09 Nov 2023 20:58

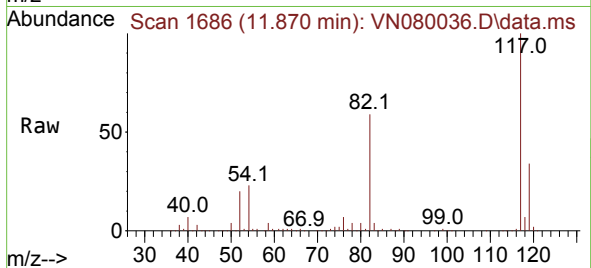
Tgt Ion: 95 Resp: 289419
Ion Ratio Lower Upper
95 100
174 72.7 0.0 143.8
176 69.9 0.0 135.8



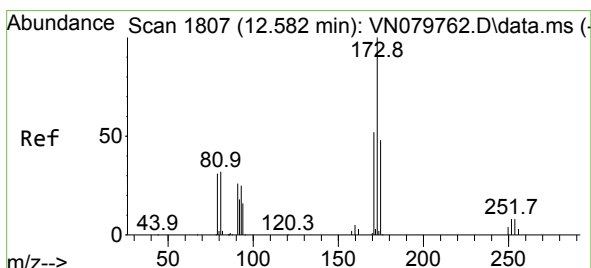
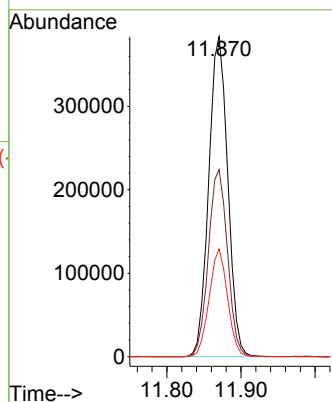
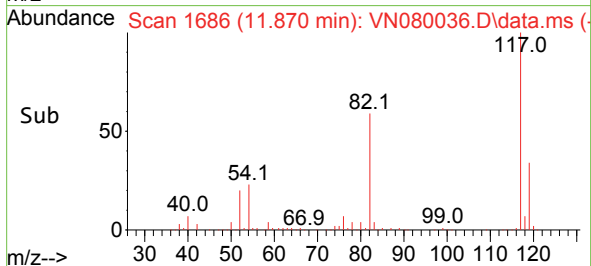


#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.870 min Scan# 117
Delta R.T. 0.000 min
Lab File: VN080036.D
Acq: 09 Nov 2023 20:58

Instrument :
MSVOA_N
ClientSampleId :

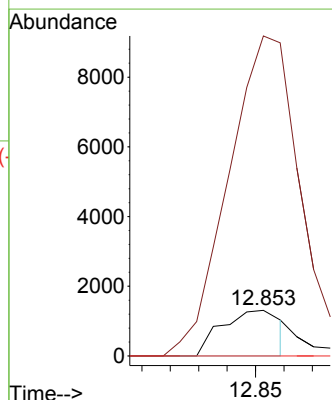
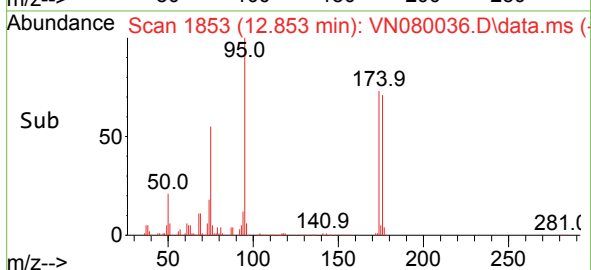
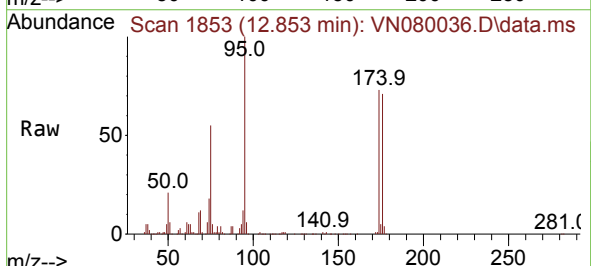


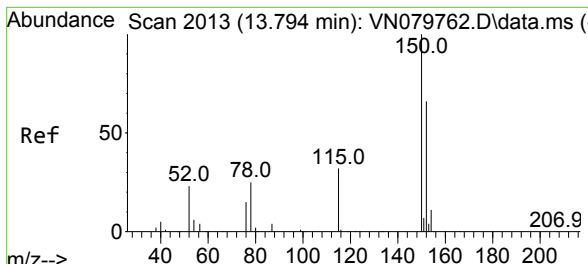
Tgt Ion:117 Resp: 684768
Ion Ratio Lower Upper
117 100
82 58.5 44.0 66.0
119 33.7 25.6 38.4



#71
Bromoform
Concen: 0.497 ug/l
RT: 12.853 min Scan# 1853
Delta R.T. 0.271 min
Lab File: VN080036.D
Acq: 09 Nov 2023 20:58

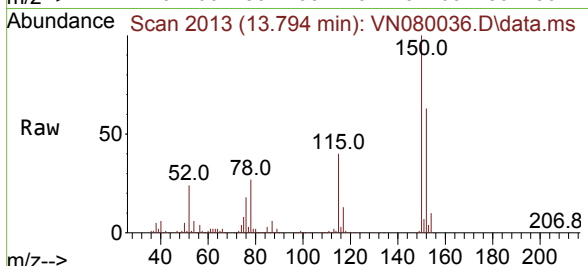
Tgt Ion:173 Resp: 1890
Ion Ratio Lower Upper
173 100
175 667.1 24.3 73.0#
254 0.0 0.0 0.0



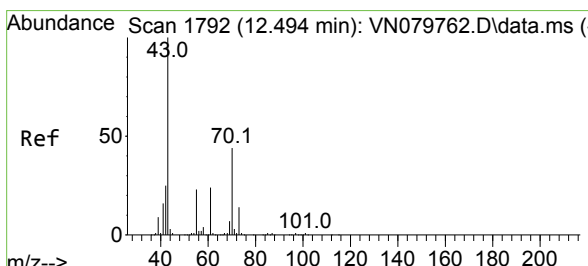
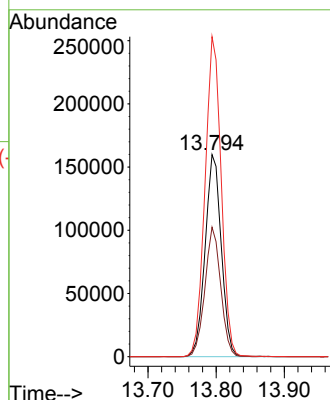
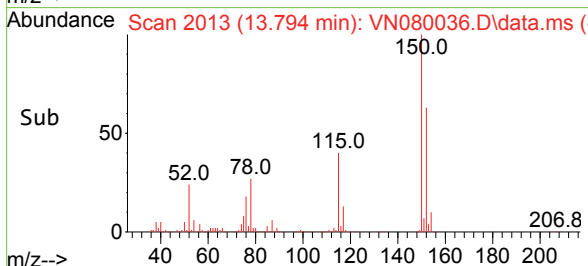


#72
 1,4-Dichlorobenzene-d4
 Concen: 50.000 ug/l
 RT: 13.794 min Scan# 20
 Delta R.T. 0.000 min
 Lab File: VN080036.D
 Acq: 09 Nov 2023 20:58

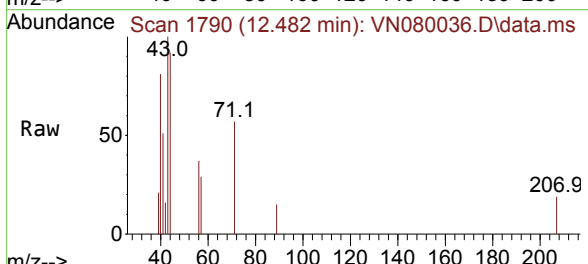
Instrument :
 MSVOA_N
 ClientSampleId :



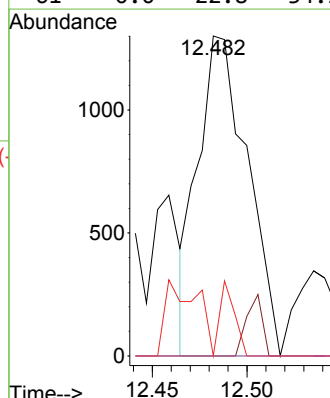
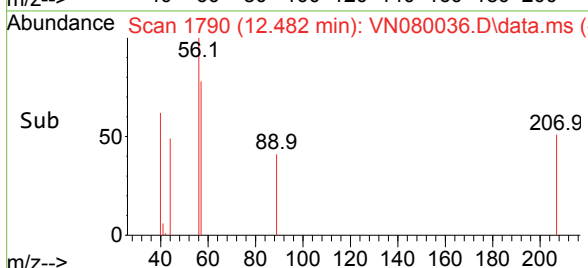
Tgt Ion:152 Resp: 263432
 Ion Ratio Lower Upper
 152 100
 115 62.7 32.3 96.8
 150 158.3 0.0 355.8

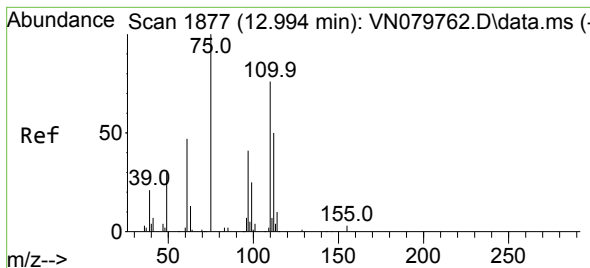


#74
 N-ethyl acetate
 Concen: 0.272 ug/l
 RT: 12.482 min Scan# 1790
 Delta R.T. -0.012 min
 Lab File: VN080036.D
 Acq: 09 Nov 2023 20:58



Tgt Ion: 43 Resp: 2378
 Ion Ratio Lower Upper
 43 100
 70 0.0 43.4 65.2#
 55 6.9 21.4 32.0#
 61 0.0 22.8 34.2#





#76

1,2,3-Trichloropropane

Concen: 24.618 ug/l

RT: 12.853 min Scan# 1853

Delta R.T. -0.141 min

Lab File: VN080036.D

Acq: 09 Nov 2023 20:58

Instrument :

MSVOA_N

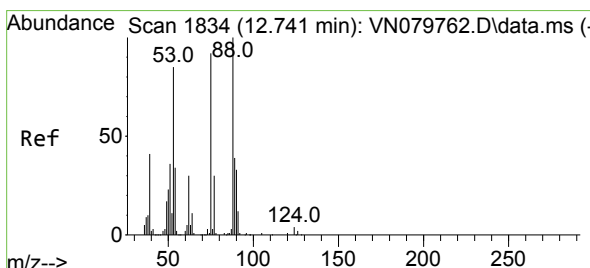
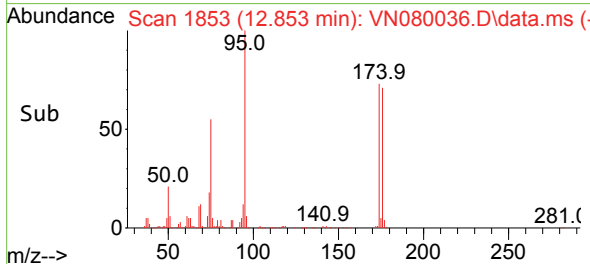
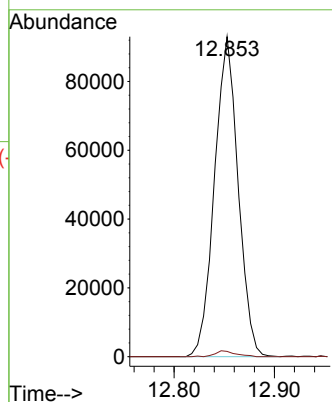
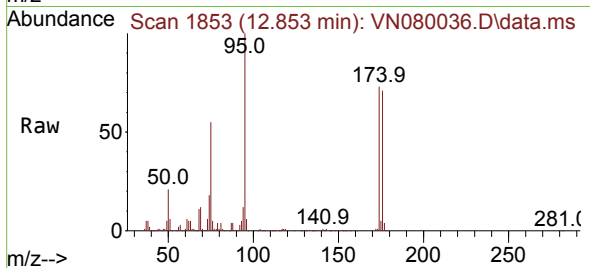
ClientSampleId :

Tgt Ion: 75 Resp: 152254

Ion Ratio Lower Upper

75 100

77 1.6 84.5 253.5#



#81

trans-1,4-Dichloro-2-butene

Concen: 66.980 ug/l

RT: 12.853 min Scan# 1853

Delta R.T. 0.118 min

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Tgt Ion: 75 Resp: 152254

Ion Ratio Lower Upper

75 100

53 0.2 67.4 101.2#

89 0.0 38.8 58.2#

