

Data Path : Z:\voasrv\HPCHEM1\MSVOA_N\Data\VN102323\
 Data File : VN079648.D
 Acq On : 23 Oct 2023 14:59
 Operator : JC\MD
 Sample : 04976-03
 Misc : 5.0mL/MSVOA_N/WATER
 ALS Vial : 16 Sample Multiplier: 1

Instrument :
 MSVOA_N
 ClientSampleId :

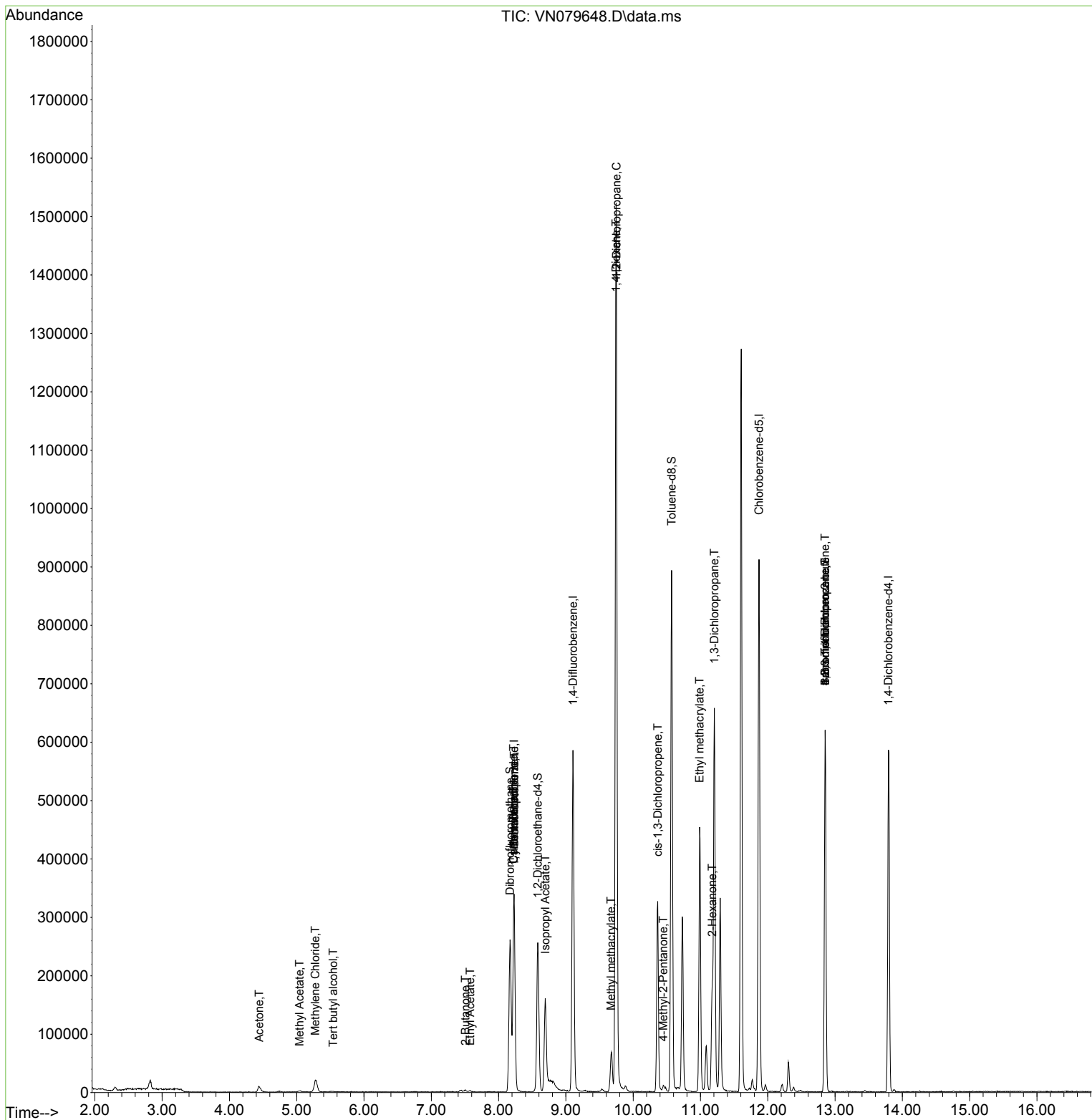
Quant Time: Oct 23 23:51:24 2023
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_N\methods\82N100523W.M
 Quant Title : SW846 8260
 QLast Update : Fri Oct 06 03:34:49 2023
 Response via : Initial Calibration

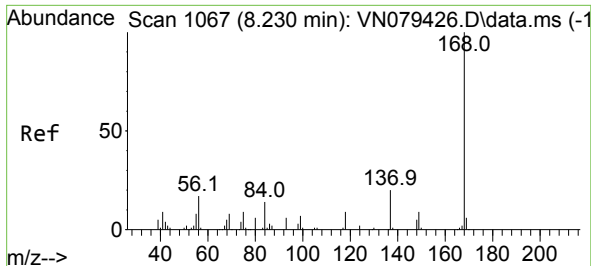
Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)

Internal Standards						
1) Pentafluorobenzene	8.230	168	231049	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	9.106	114	478890	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.871	117	500522	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.794	152	152283	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.582	65	207149	55.295	ug/l	0.00
Spiked Amount 50.000	Range 74 - 125		Recovery = 110.580%			
35) Dibromofluoromethane	8.171	113	185284	53.839	ug/l	0.00
Spiked Amount 50.000	Range 75 - 124		Recovery = 107.680%			
50) Toluene-d8	10.571	98	604815	48.571	ug/l	0.00
Spiked Amount 50.000	Range 86 - 113		Recovery = 97.140%			
62) 4-Bromofluorobenzene	12.853	95	200437	50.157	ug/l	0.00
Spiked Amount 50.000	Range 83 - 123		Recovery = 100.320%			
Target Compounds					Qvalue	
11) Tert butyl alcohol	5.542	59	462	0.819	ug/l #	72
16) Acetone	4.442	43	19364	13.032	ug/l	88
18) Methyl Acetate	5.042	43	4183	0.575	ug/l #	73
20) Methylene Chloride	5.277	84	16170	4.421	ug/l	90
25) 2-Butanone	7.506	43	5645	2.560	ug/l #	75
31) Cyclohexane	8.224	56	6193	1.165	ug/l #	16
36) 1,1-Dichloropropene	8.235	75	21297	4.123	ug/l #	48
37) Ethyl Acetate	7.577	43	4564	0.888	ug/l #	76
38) Carbon Tetrachloride	8.224	117	25733	4.977	ug/l #	16
43) Isopropyl Acetate	8.694	43	186447	20.707	ug/l #	76
45) 1,2-Dichloropropane	9.753	63	2019	0.500	ug/l #	45
48) Methyl methacrylate	9.671	41	4384	1.136	ug/l #	32
49) 1,4-Dioxane	9.747	88	131	1.843	ug/l #	1
51) 4-Methyl-2-Pentanone	10.447	43	6059	1.192	ug/l	97
54) cis-1,3-Dichloropropene	10.365	75	52802	8.889	ug/l #	70
56) Ethyl methacrylate	10.988	69	2925	0.587	ug/l #	1
57) 1,3-Dichloropropane	11.206	76	6653	1.063	ug/l #	42
59) 2-Hexanone	11.176	43	149494	40.758	ug/l #	19
71) Bromoform	12.853	173	1748	0.585	ug/l #	1
75) 1,1,2,2-Tetrachloroethane	12.917	83	55	Below Cal	#	26
76) 1,2,3-Trichloropropane	12.853	75	113825	25.924	ug/l #	1
81) trans-1,4-Dichloro-2-b...	12.853	75	113825	75.219	ug/l #	15

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

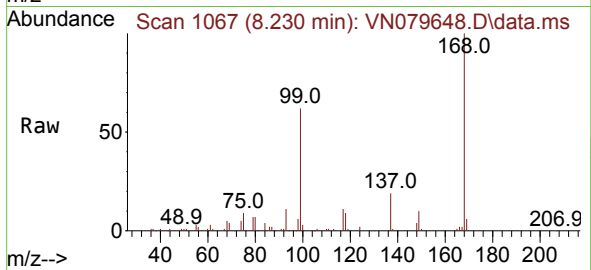
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Quant Method : Z:\voasrv\HPCHEM1\MSVOA_N\methods\82N100523W.M
Quant Title : SW846 8260
QLast Update : Fri Oct 06 03:34:49 2023
Response via : Initial Calibration



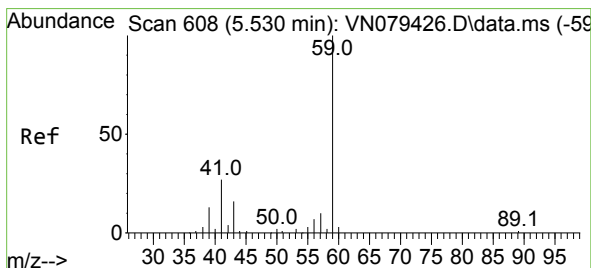
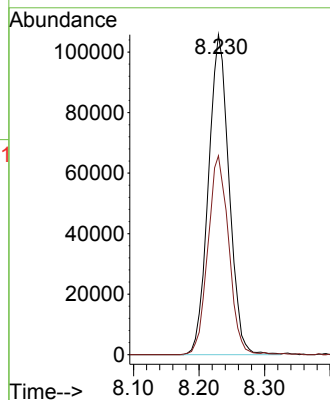
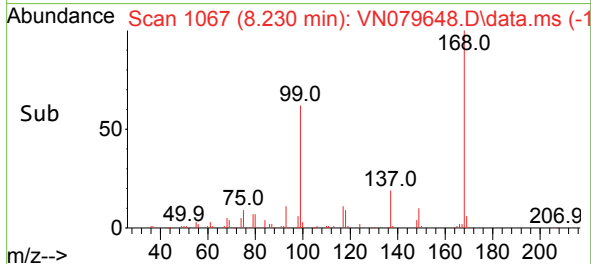


#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 8.230 min Scan# 1067
Delta R.T. -0.000 min
Lab File: VN079648.D
Acq: 23 Oct 2023 14:59

Instrument :
MSVOA_N
ClientSampleId :

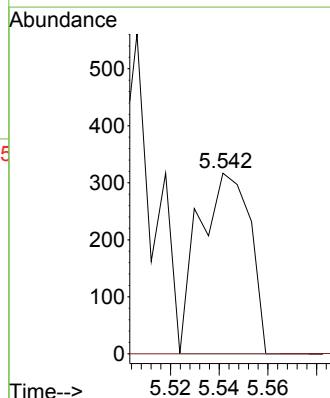
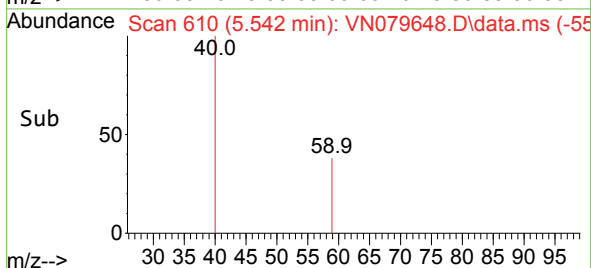
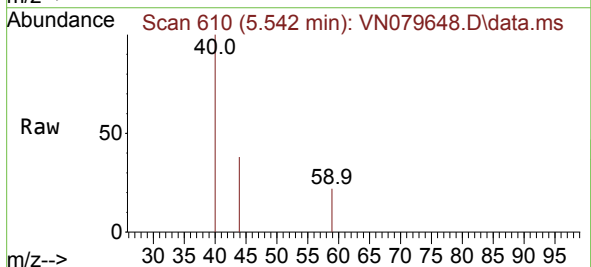


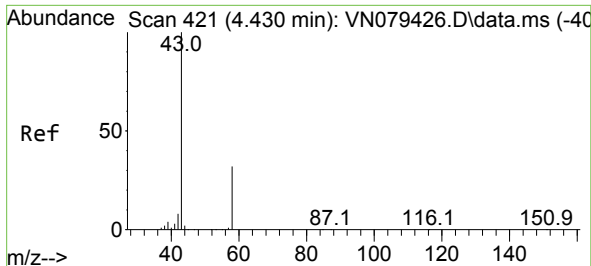
Tgt Ion:168 Resp: 231049
Ion Ratio Lower Upper
168 100
99 62.2 53.0 79.6



#11
Tert butyl alcohol
Concen: 0.819 ug/l
RT: 5.542 min Scan# 610
Delta R.T. 0.011 min
Lab File: VN079648.D
Acq: 23 Oct 2023 14:59

Tgt Ion: 59 Resp: 462
Ion Ratio Lower Upper
59 100
57 0.0 8.2 12.4#

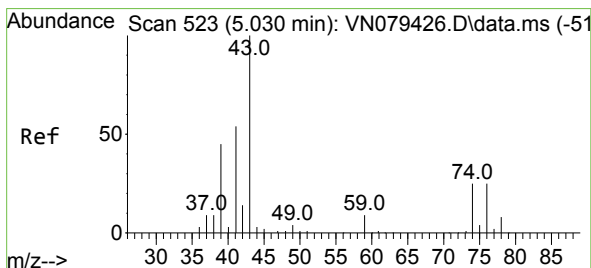
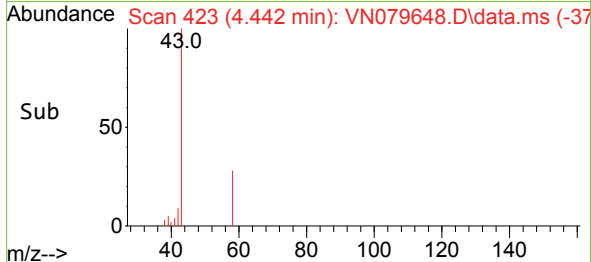
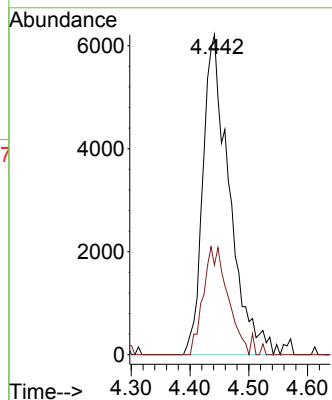
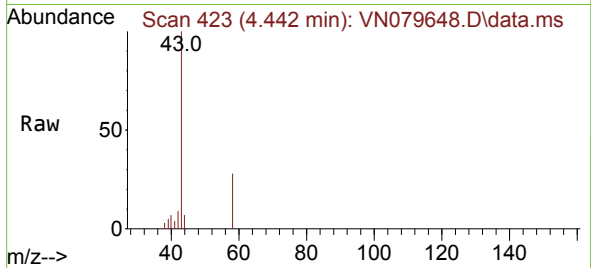




#16
Acetone
Concen: 13.032 ug/l
RT: 4.442 min Scan# 41
Delta R.T. 0.012 min
Lab File: VN079648.D
Acq: 23 Oct 2023 14:59

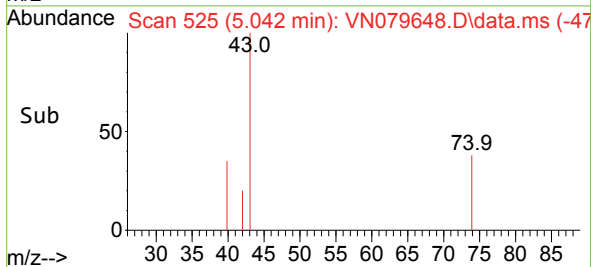
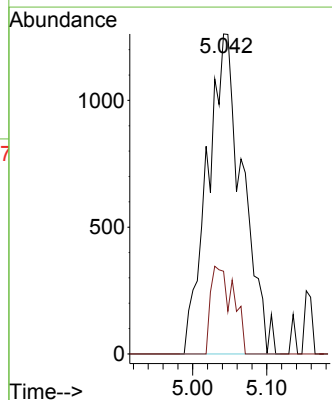
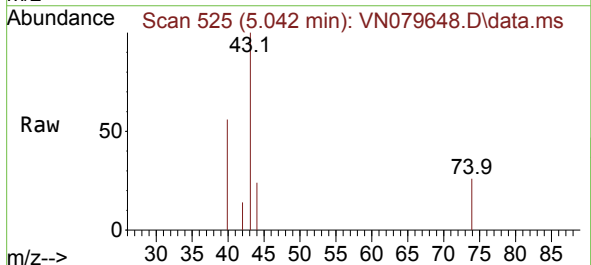
Instrument :
MSVOA_N
ClientSampleId :

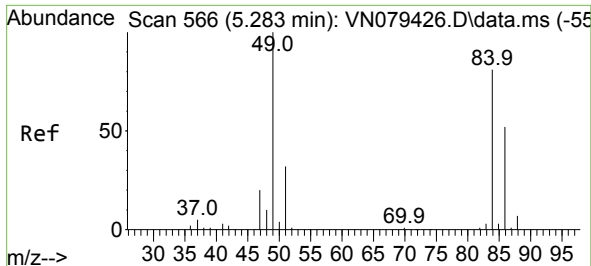
Tgt Ion: 43 Resp: 19364
Ion Ratio Lower Upper
43 100
58 28.0 28.0 42.0



#18
Methyl Acetate
Concen: 0.575 ug/l
RT: 5.042 min Scan# 525
Delta R.T. 0.012 min
Lab File: VN079648.D
Acq: 23 Oct 2023 14:59

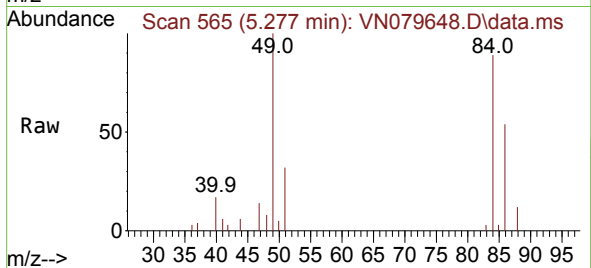
Tgt Ion: 43 Resp: 4183
Ion Ratio Lower Upper
43 100
74 17.4 26.2 39.4#



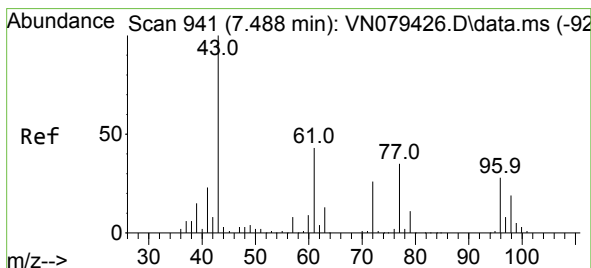
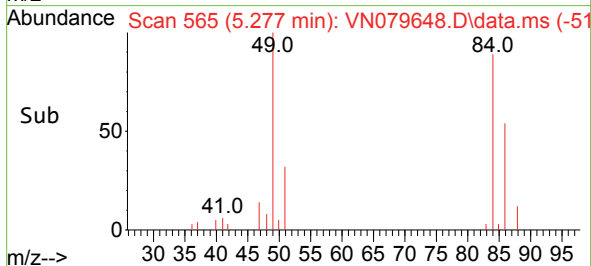
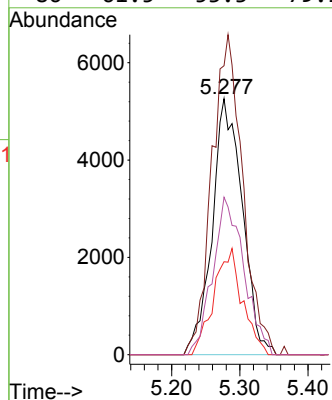


#20
Methylene Chloride
Concen: 4.421 ug/l
RT: 5.277 min Scan# 51
Delta R.T. -0.006 min
Lab File: VN079648.D
Acq: 23 Oct 2023 14:59

Instrument :
MSVOA_N
ClientSampleId :

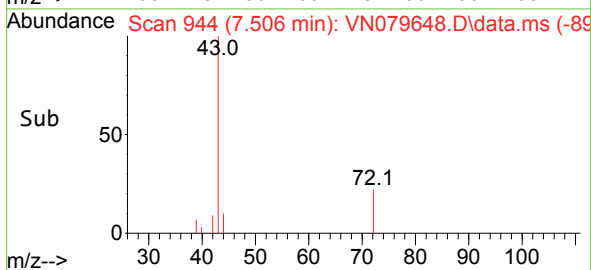
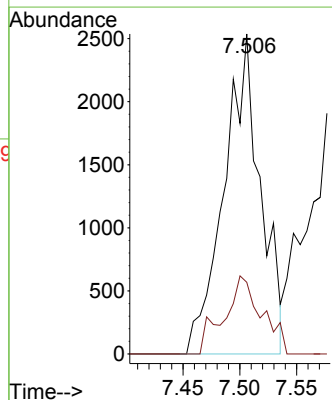
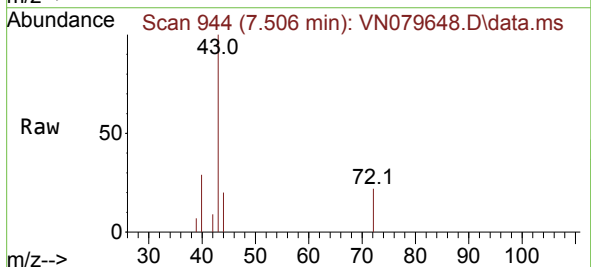


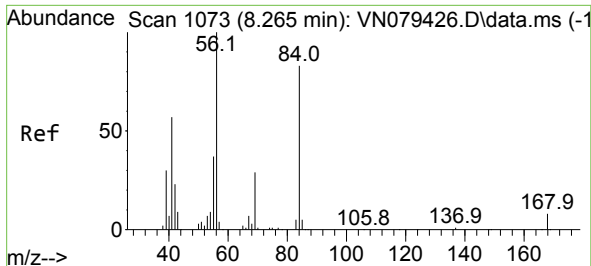
Tgt Ion:	84	Resp:	16170
Ion	Ratio	Lower	Upper
84	100		
49	112.9	79.7	119.5
51	36.3	25.2	37.8
86	61.5	53.3	79.9



#25
2-Butanone
Concen: 2.560 ug/l
RT: 7.506 min Scan# 944
Delta R.T. 0.018 min
Lab File: VN079648.D
Acq: 23 Oct 2023 14:59

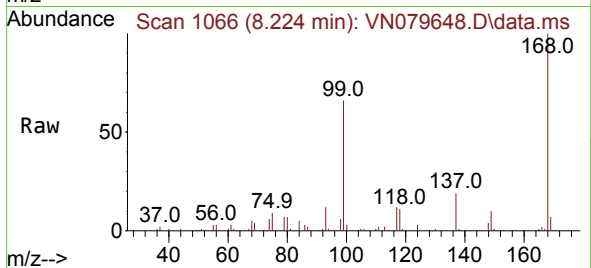
Tgt Ion:	43	Resp:	5645
Ion	Ratio	Lower	Upper
43	100		
72	22.4	30.2	45.2#



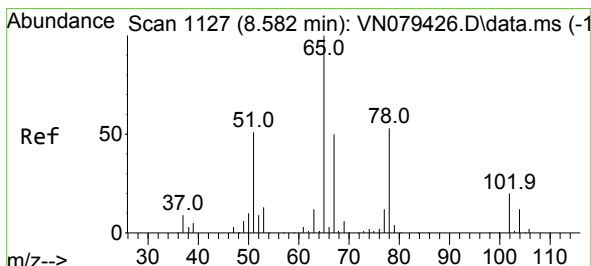
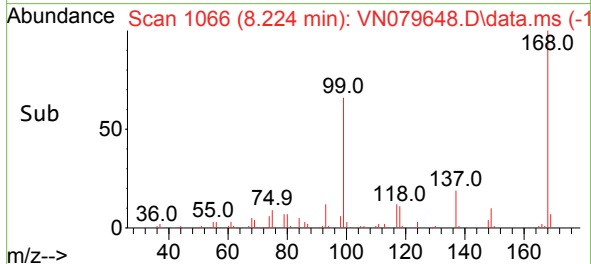
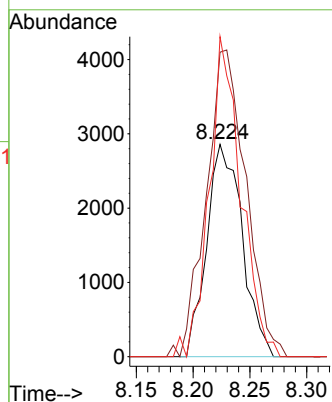


#31
Cyclohexane
Concen: 1.165 ug/l
RT: 8.224 min Scan# 1066
Delta R.T. -0.041 min
Lab File: VN079648.D
Acq: 23 Oct 2023 14:59

Instrument :
MSVOA_N
ClientSampleId :

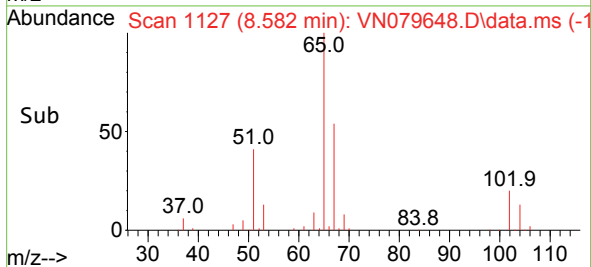
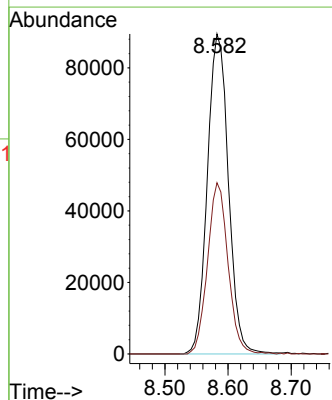
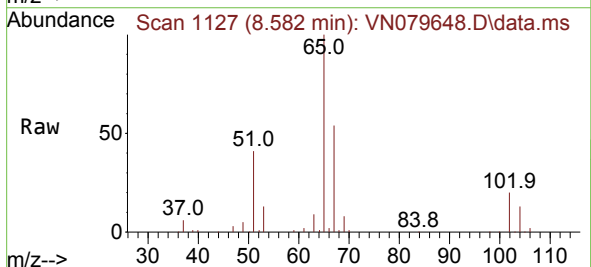


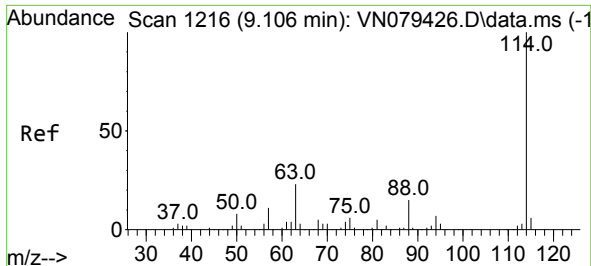
Tgt Ion: 56 Resp: 6193
Ion Ratio Lower Upper
56 100
69 143.4 26.8 40.2#
84 150.7 81.8 122.6#



#33
1,2-Dichloroethane-d4
Concen: 55.295 ug/l
RT: 8.582 min Scan# 1127
Delta R.T. -0.000 min
Lab File: VN079648.D
Acq: 23 Oct 2023 14:59

Tgt Ion: 65 Resp: 207149
Ion Ratio Lower Upper
65 100
67 52.1 0.0 106.6

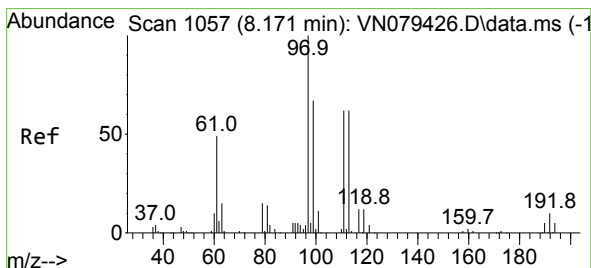
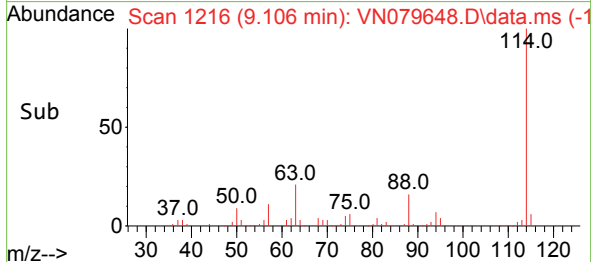
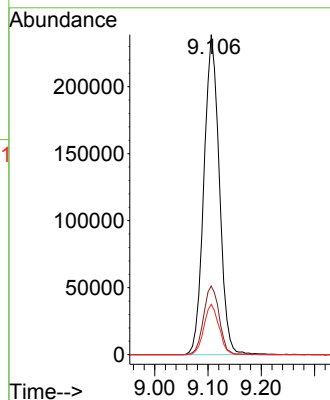
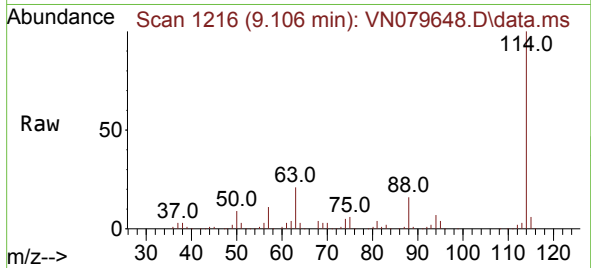




#34
1,4-Difluorobenzene
Concen: 50.000 ug/l
RT: 9.106 min Scan# 11
Delta R.T. -0.000 min
Lab File: VN079648.D
Acq: 23 Oct 2023 14:59

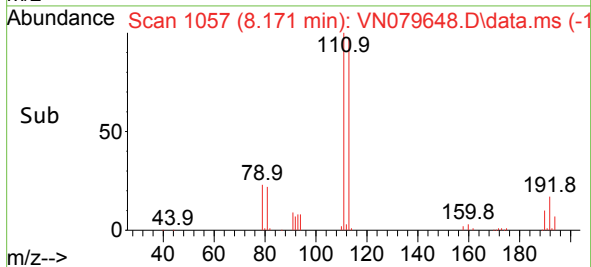
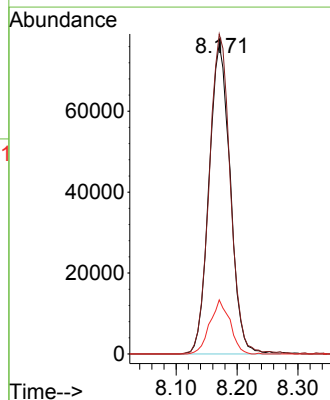
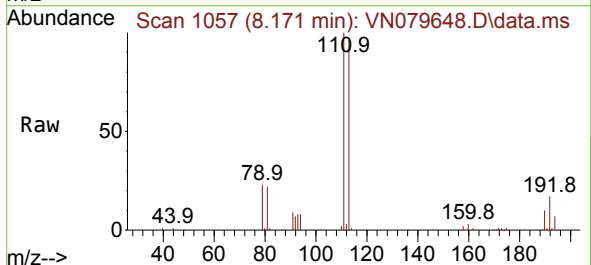
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MSVOA_N
ClientSampleId :

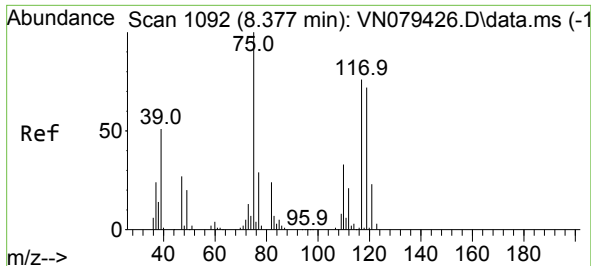
Tgt Ion:114 Resp: 478890
Ion Ratio Lower Upper
114 100
63 21.4 0.0 36.4
88 15.7 0.0 30.6



#35
Dibromofluoromethane
Concen: 53.839 ug/l
RT: 8.171 min Scan# 1057
Delta R.T. -0.000 min
Lab File: VN079648.D
Acq: 23 Oct 2023 14:59

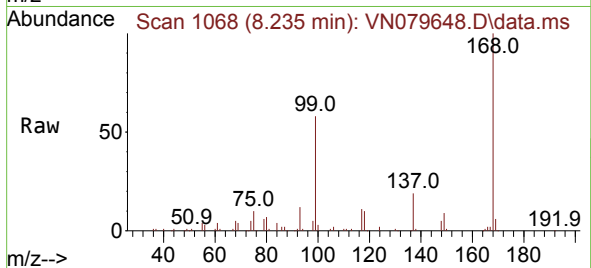
Tgt Ion:113 Resp: 185284
Ion Ratio Lower Upper
113 100
111 103.1 82.6 123.8
192 16.6 12.7 19.1



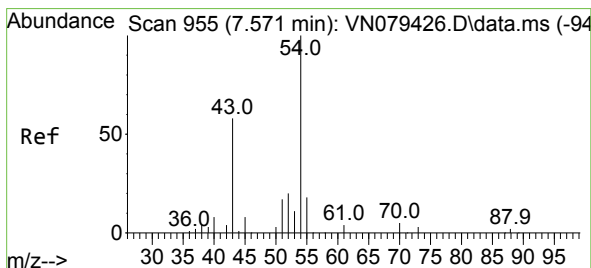
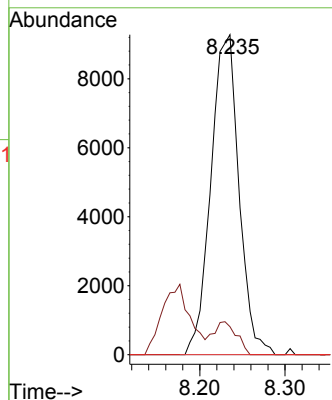
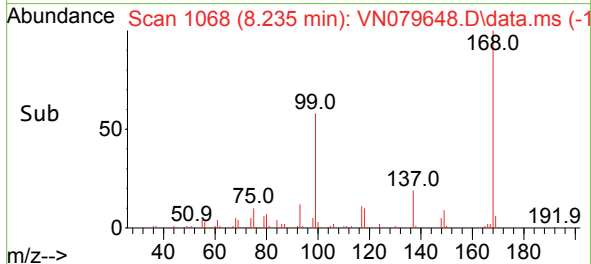


#36
1,1-Dichloropropene
Concen: 4.123 ug/l
RT: 8.235 min Scan# 1092
Delta R.T. -0.141 min
Lab File: VN079648.D
Acq: 23 Oct 2023 14:59

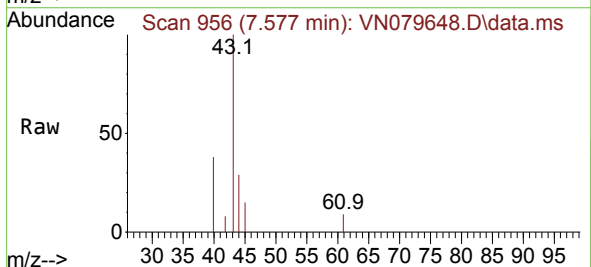
Instrument :
MSVOA_N
ClientSampleId :



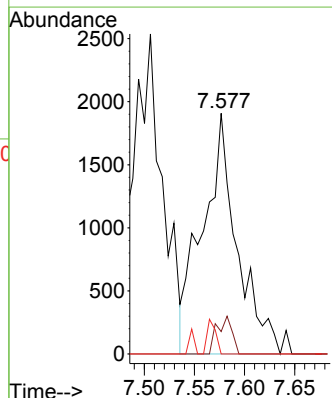
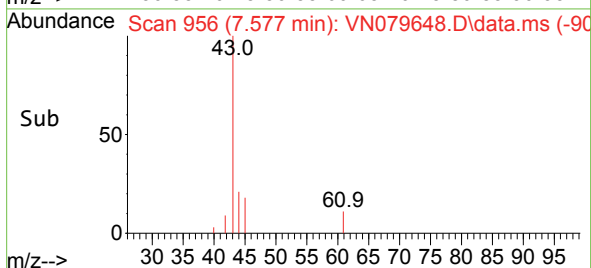
Tgt Ion: 75 Resp: 21297
Ion Ratio Lower Upper
75 100
110 8.6 19.1 57.3#
77 0.0 25.0 37.4#

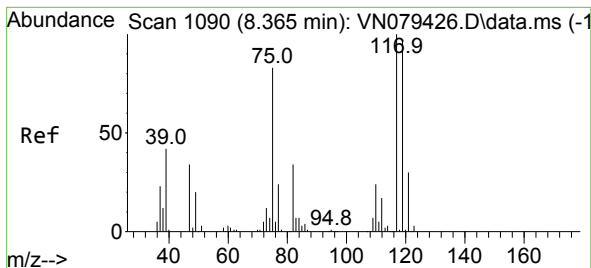


#37
Ethyl Acetate
Concen: 0.888 ug/l
RT: 7.577 min Scan# 956
Delta R.T. 0.006 min
Lab File: VN079648.D
Acq: 23 Oct 2023 14:59



Tgt Ion: 43 Resp: 4564
Ion Ratio Lower Upper
43 100
61 6.8 13.2 19.8#
70 3.6 11.3 16.9#





#38

Carbon Tetrachloride

Concen: 4.977 ug/l

RT: 8.224 min Scan# 1066

Delta R.T. -0.141 min

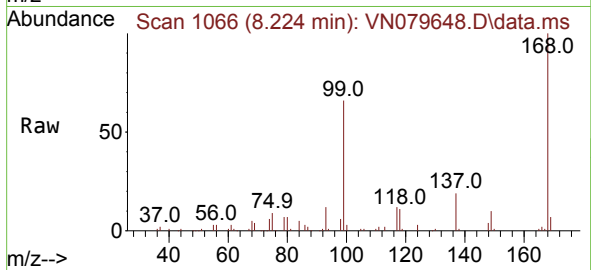
Lab File: VN079648.D

Acq: 23 Oct 2023 14:59

Instrument :

MSVOA_N

ClientSampleId :



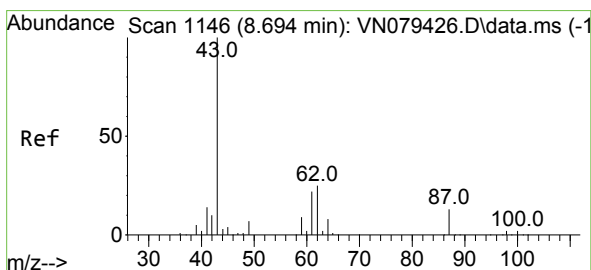
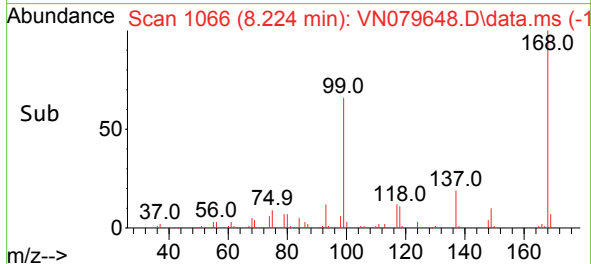
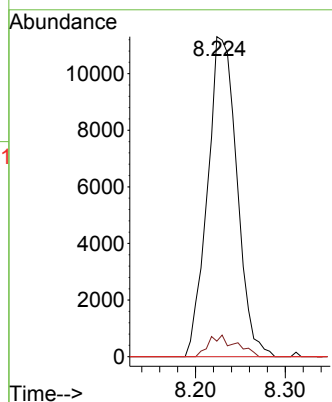
Tgt Ion:117 Resp: 25733

Ion Ratio Lower Upper

117 100

119 4.9 77.3 115.9#

121 0.0 23.3 34.9#



#43

Isopropyl Acetate

Concen: 20.707 ug/l

RT: 8.694 min Scan# 1146

Delta R.T. -0.000 min

Lab File: VN079648.D

Acq: 23 Oct 2023 14:59

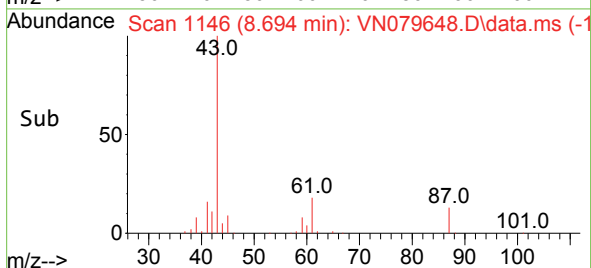
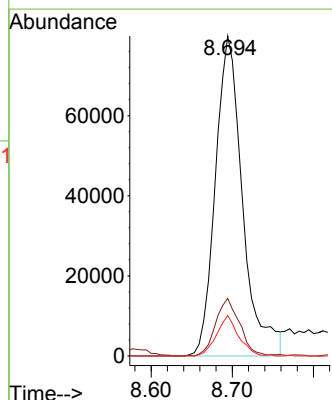
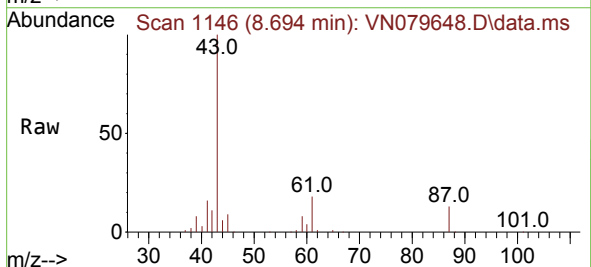
Tgt Ion: 43 Resp: 186447

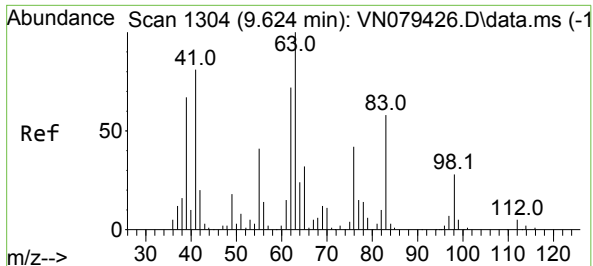
Ion Ratio Lower Upper

43 100

61 15.9 24.7 37.1#

87 10.2 14.6 21.8#





#45

1,2-Dichloropropane

Concen: 0.500 ug/l

RT: 9.753 min Scan# 11

Delta R.T. 0.129 min

Lab File: VN079648.D

Acq: 23 Oct 2023 14:59

Instrument :

MSVOA_N

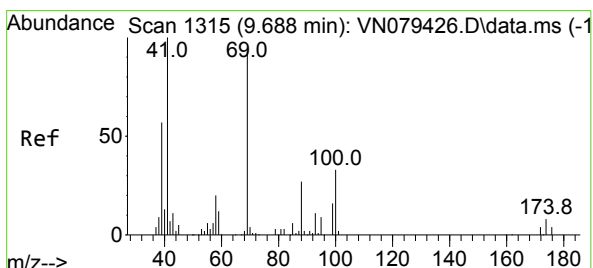
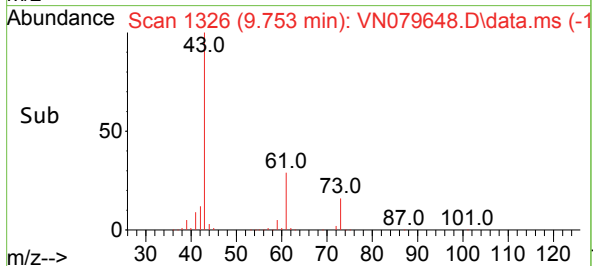
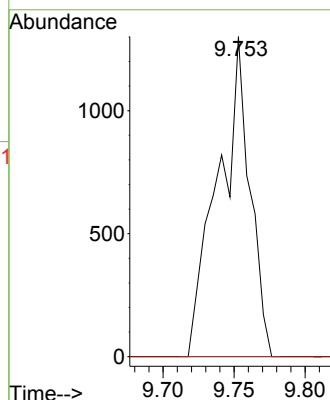
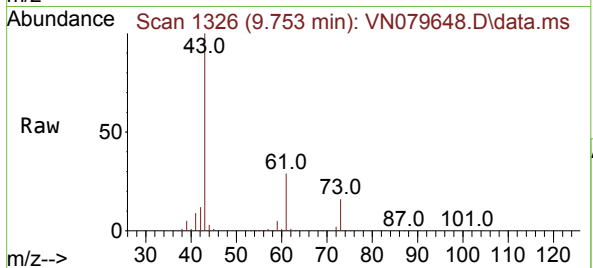
ClientSampleId :

Tgt Ion: 63 Resp: 2019

Ion Ratio Lower Upper

63 100

65 0.0 23.9 35.9#



#48

Methyl methacrylate

Concen: 1.136 ug/l

RT: 9.671 min Scan# 1312

Delta R.T. -0.018 min

Lab File: VN079648.D

Acq: 23 Oct 2023 14:59

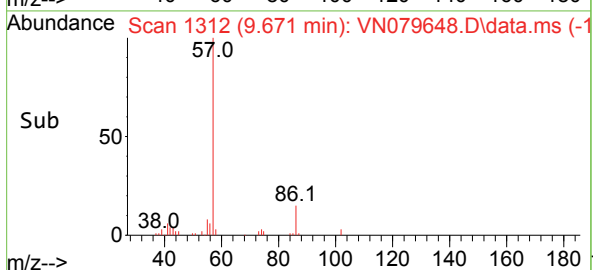
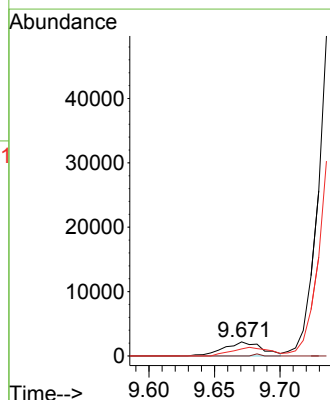
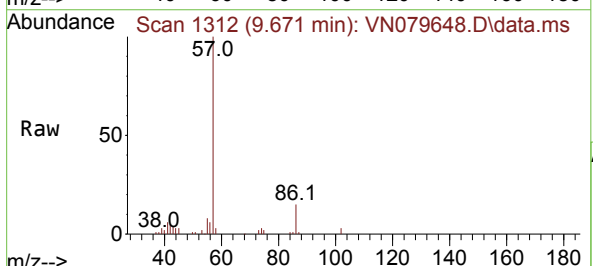
Tgt Ion: 41 Resp: 4384

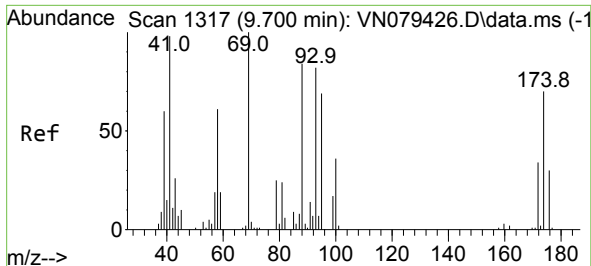
Ion Ratio Lower Upper

41 100

69 2.5 90.4 135.6#

39 60.2 54.6 81.8





#49

1,4-Dioxane

Concen: 1.843 ug/l

RT: 9.747 min Scan# 11

Delta R.T. 0.047 min

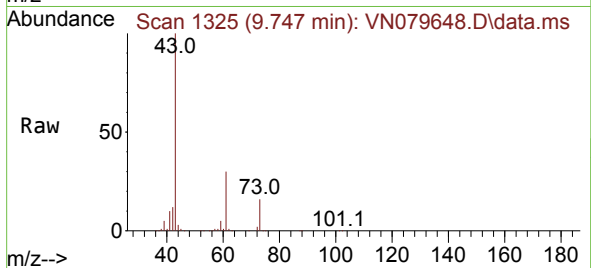
Lab File: VN079648.D

Acq: 23 Oct 2023 14:59

Instrument :

MSVOA_N

ClientSampleId :



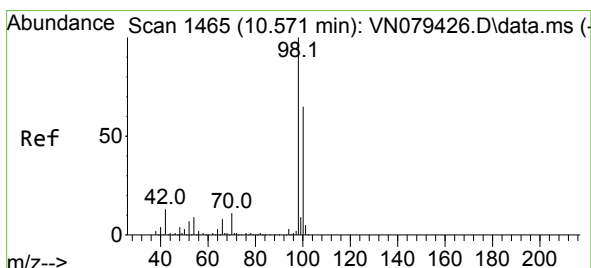
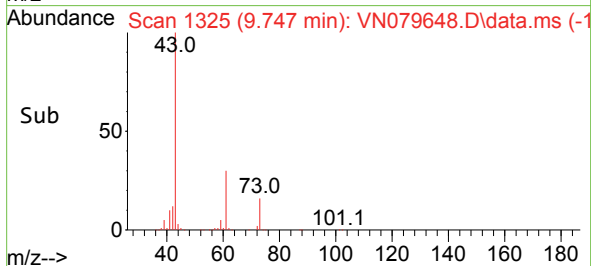
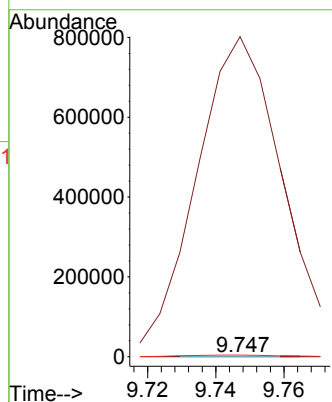
Tgt Ion: 88 Resp: 131

Ion Ratio Lower Upper

88 100

43 1106274.8 17.0 25.6#

58 6391.6 47.0 70.4#



#50

Toluene-d8

Concen: 48.571 ug/l

RT: 10.571 min Scan# 1465

Delta R.T. -0.000 min

Lab File: VN079648.D

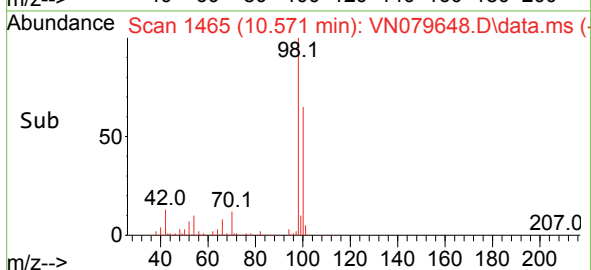
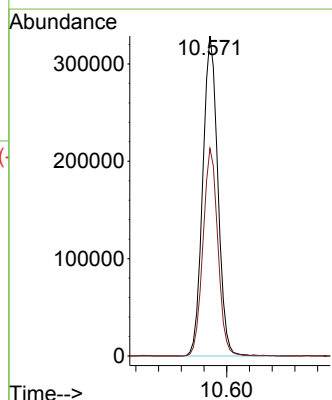
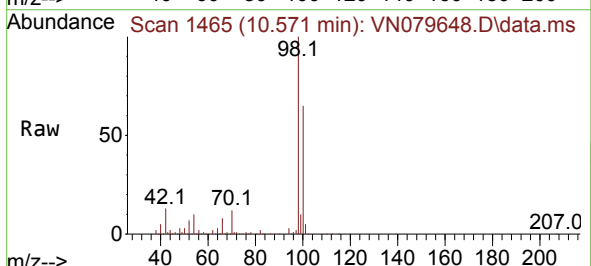
Acq: 23 Oct 2023 14:59

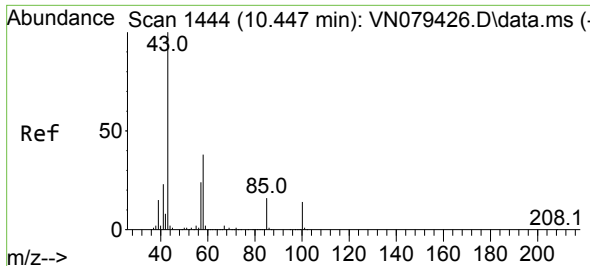
Tgt Ion: 98 Resp: 604815

Ion Ratio Lower Upper

98 100

100 63.9 52.0 78.0

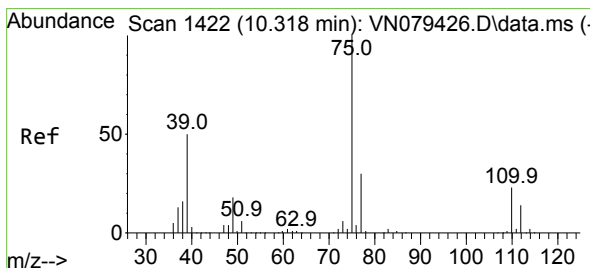
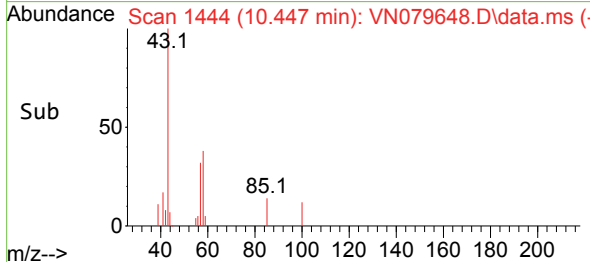
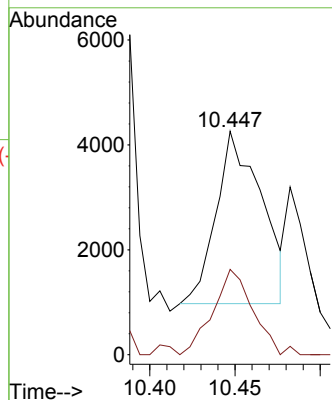
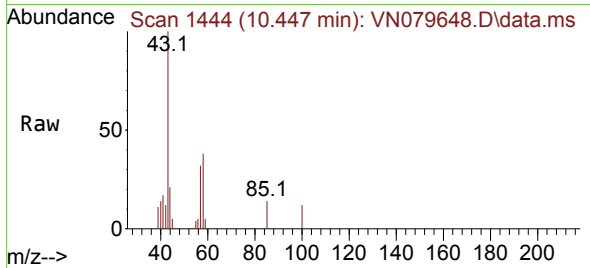




#51
4-Methyl-2-Pentanone
Concen: 1.192 ug/l
RT: 10.447 min Scan# 1444
Delta R.T. 0.000 min
Lab File: VN079648.D
Acq: 23 Oct 2023 14:59

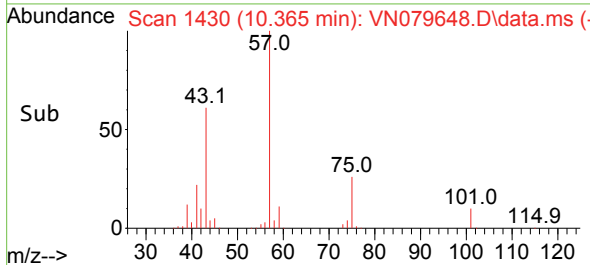
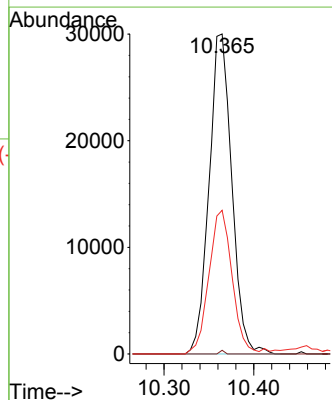
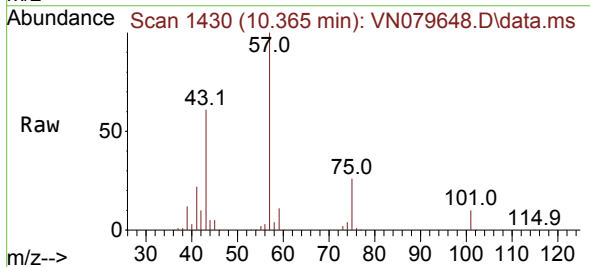
Instrument :
MSVOA_N
ClientSampleId :

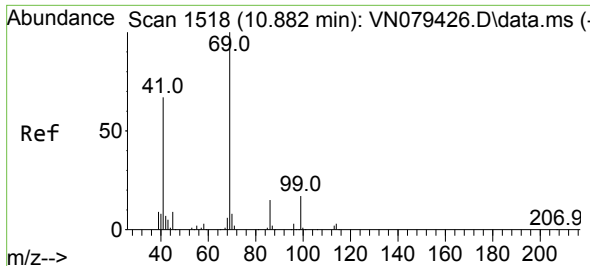
Tgt Ion: 43 Resp: 6059
Ion Ratio Lower Upper
43 100
58 44.0 36.6 54.8



#54
cis-1,3-Dichloropropene
Concen: 8.889 ug/l
RT: 10.365 min Scan# 1430
Delta R.T. 0.047 min
Lab File: VN079648.D
Acq: 23 Oct 2023 14:59

Tgt Ion: 75 Resp: 52802
Ion Ratio Lower Upper
75 100
77 1.1 26.1 39.1#
39 44.9 31.6 47.4

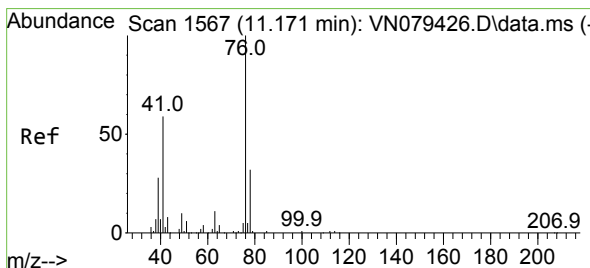
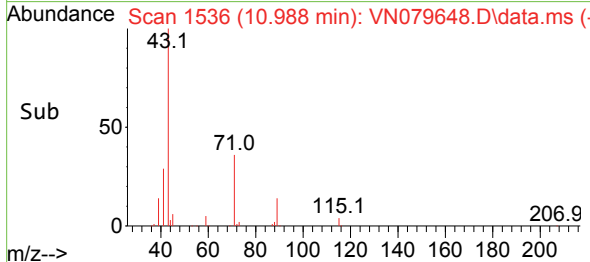
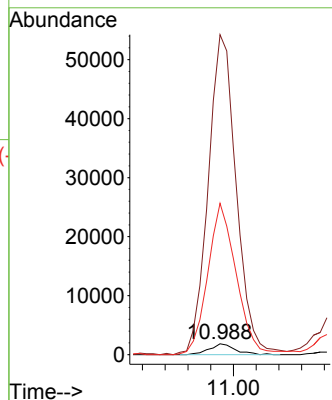
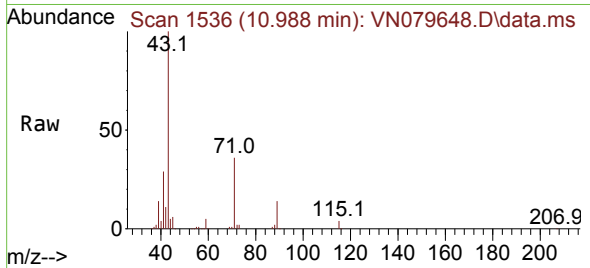




#56
Ethyl methacrylate
Concen: 0.587 ug/l
RT: 10.988 min Scan# 1536
Delta R.T. 0.106 min
Lab File: VN079648.D
Acq: 23 Oct 2023 14:59

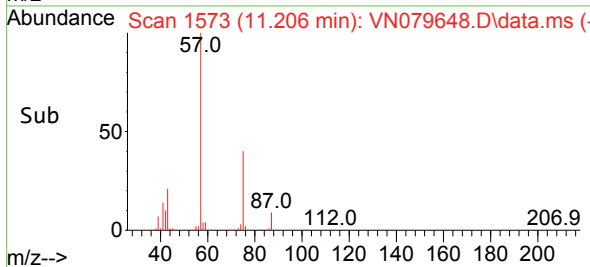
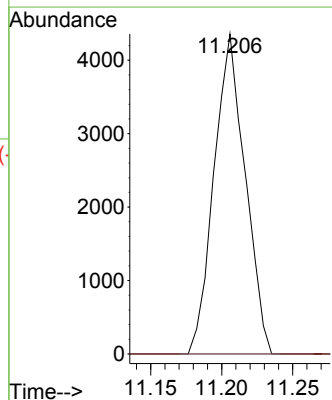
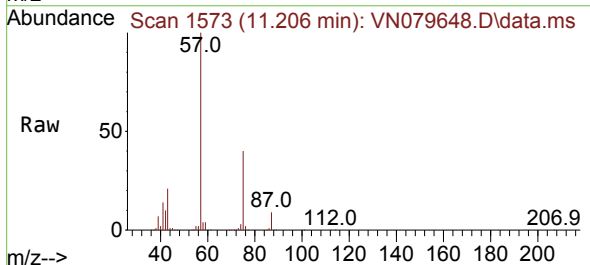
Instrument :
MSVOA_N
ClientSampleId :

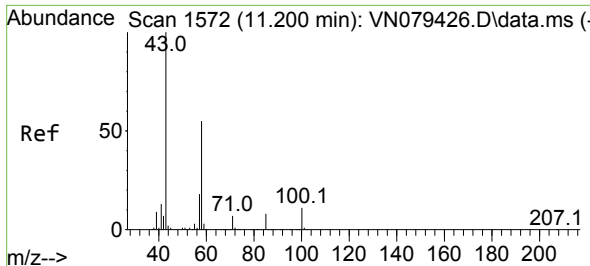
Tgt Ion: 69 Resp: 2925
Ion Ratio Lower Upper
69 100
41 3192.2 39.6 59.4#
39 1531.8 28.6 43.0#



#57
1,3-Dichloropropane
Concen: 1.063 ug/l
RT: 11.206 min Scan# 1573
Delta R.T. 0.035 min
Lab File: VN079648.D
Acq: 23 Oct 2023 14:59

Tgt Ion: 76 Resp: 6653
Ion Ratio Lower Upper
76 100
78 0.0 26.1 39.1#

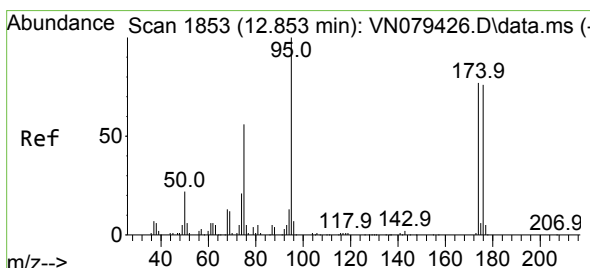
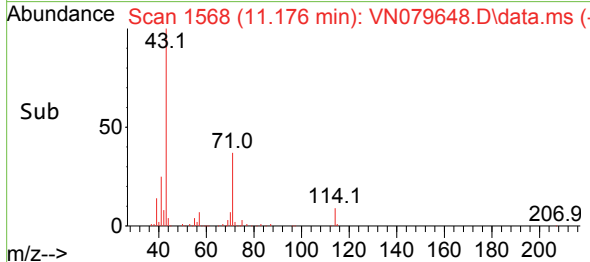
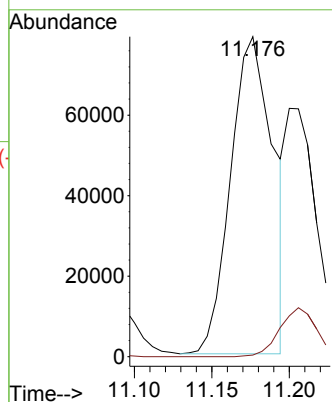
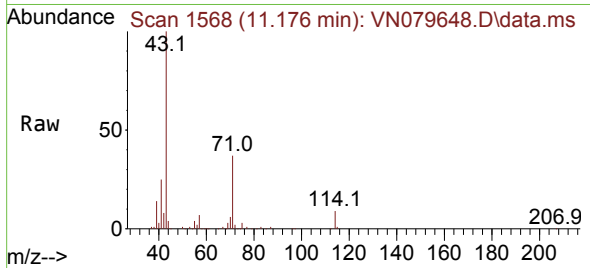




#59
2-Hexanone
Concen: 40.758 ug/l
RT: 11.176 min Scan# 11176
Delta R.T. -0.024 min
Lab File: VN079648.D
Acq: 23 Oct 2023 14:59

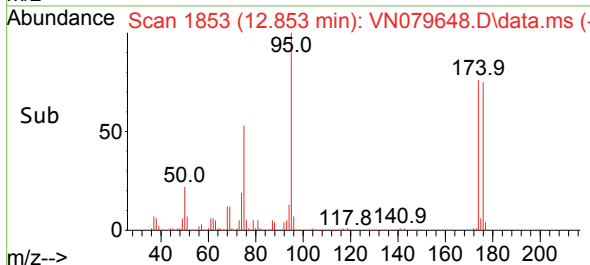
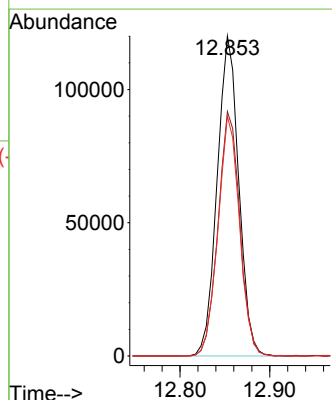
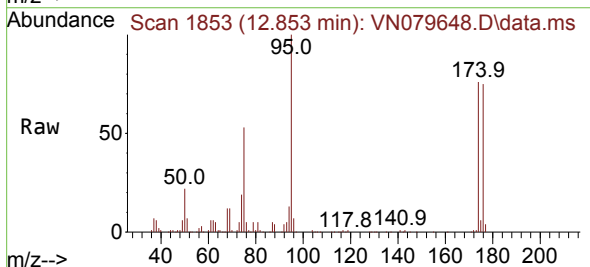
Instrument :
MSVOA_N
ClientSampleId :

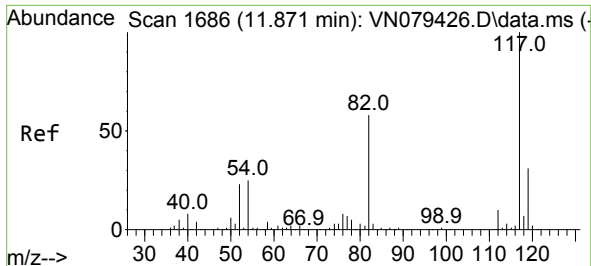
Tgt Ion: 43 Resp: 149494
Ion Ratio Lower Upper
43 100
58 0.0 31.7 95.1#



#62
4-Bromofluorobenzene
Concen: 50.157 ug/l
RT: 12.853 min Scan# 1853
Delta R.T. -0.000 min
Lab File: VN079648.D
Acq: 23 Oct 2023 14:59

Tgt Ion: 95 Resp: 200437
Ion Ratio Lower Upper
95 100
174 77.1 0.0 143.8
176 74.6 0.0 135.8

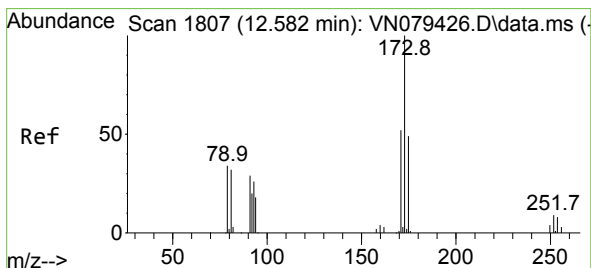
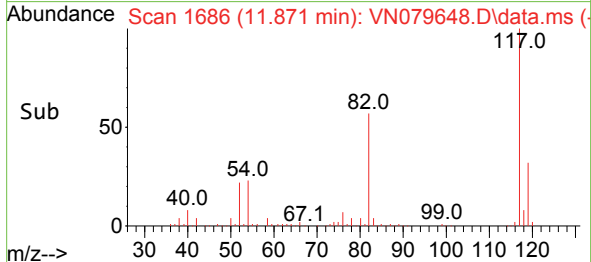
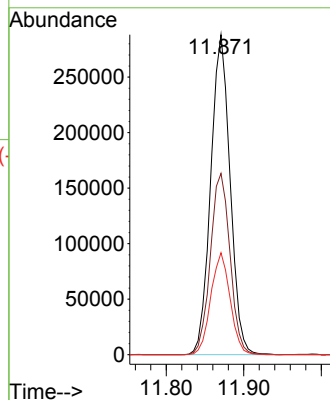
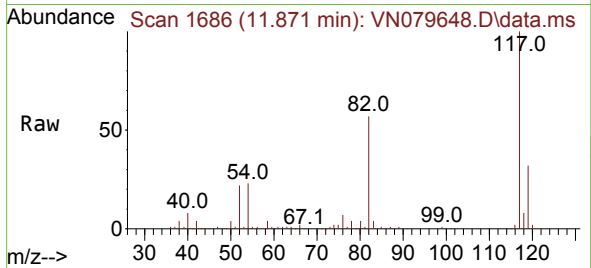




#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.871 min Scan# 117
Delta R.T. -0.000 min
Lab File: VN079648.D
Acq: 23 Oct 2023 14:59

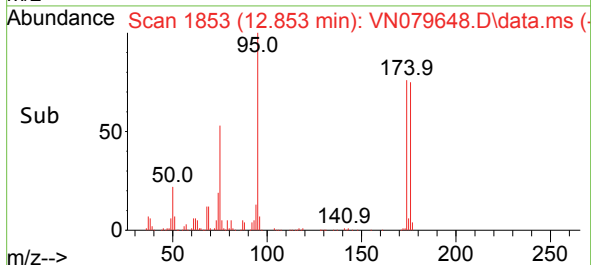
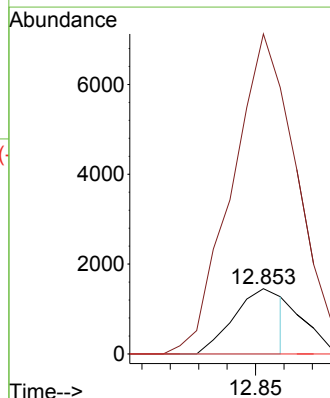
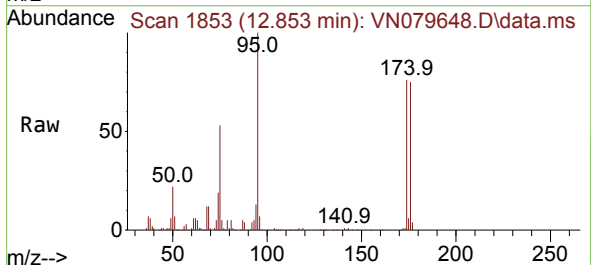
Instrument :
MSVOA_N
ClientSampleId :

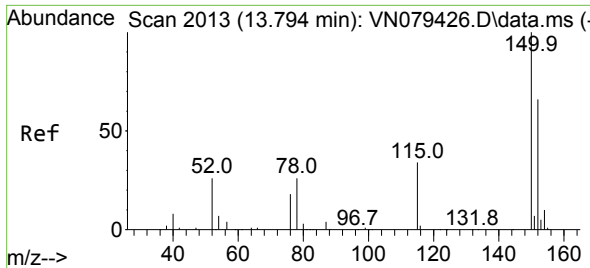
Tgt Ion:117 Resp: 500522
Ion Ratio Lower Upper
117 100
82 56.6 44.0 66.0
119 31.9 25.6 38.4



#71
Bromoform
Concen: 0.585 ug/l
RT: 12.853 min Scan# 1853
Delta R.T. 0.271 min
Lab File: VN079648.D
Acq: 23 Oct 2023 14:59

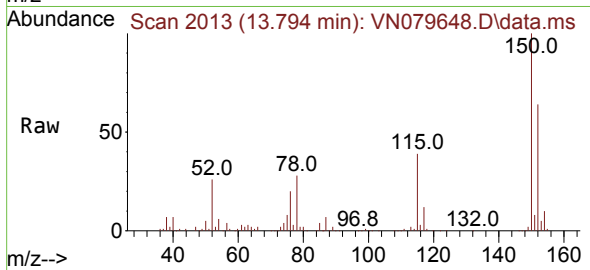
Tgt Ion:173 Resp: 1748
Ion Ratio Lower Upper
173 100
175 504.9 24.3 73.0#
254 0.0 0.0 0.0



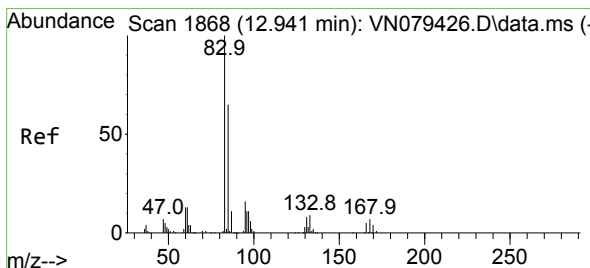
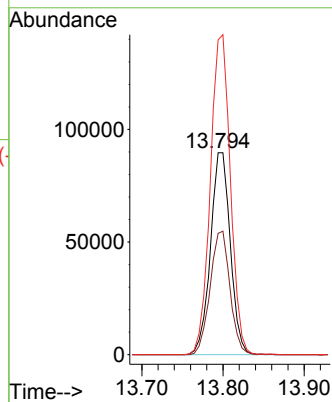
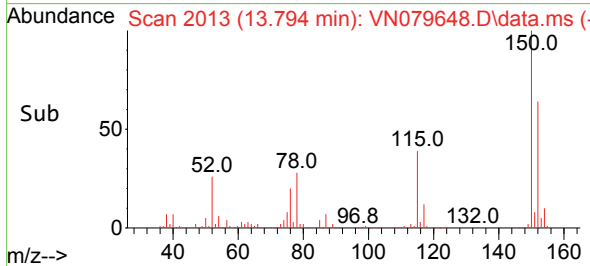


#72
 1,4-Dichlorobenzene-d4
 Concen: 50.000 ug/l
 RT: 13.794 min Scan# 2013
 Delta R.T. -0.000 min
 Lab File: VN079648.D
 Acq: 23 Oct 2023 14:59

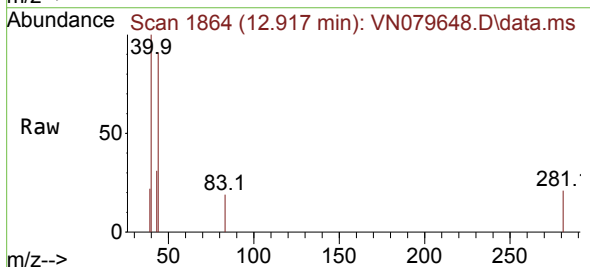
Instrument :
 MSVOA_N
 ClientSampleId :



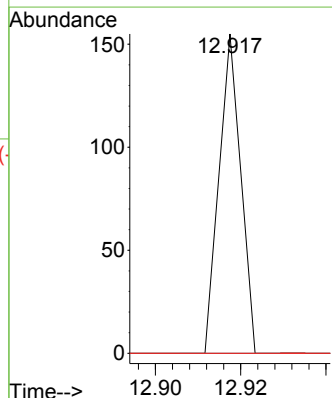
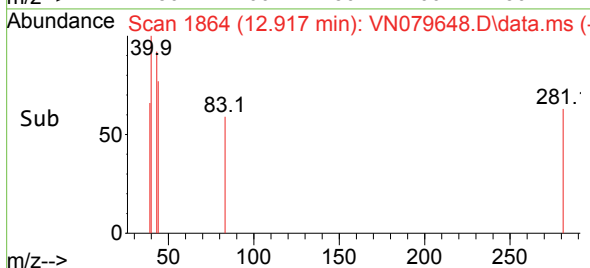
Tgt Ion:152 Resp: 152283
 Ion Ratio Lower Upper
 152 100
 115 61.2 32.3 96.8
 150 159.9 0.0 355.8

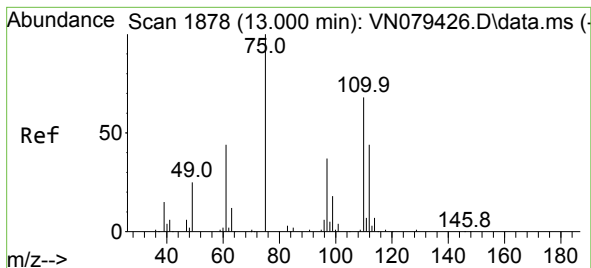


#75
 1,1,2,2-Tetrachloroethane
 Concen: Below Cal
 RT: 12.917 min Scan# 1864
 Delta R.T. -0.024 min
 Lab File: VN079648.D
 Acq: 23 Oct 2023 14:59



Tgt Ion: 83 Resp: 55
 Ion Ratio Lower Upper
 83 100
 131 0.0 5.0 15.0#
 85 0.0 31.9 95.7#





#76

1,2,3-Trichloropropane

Concen: 25.924 ug/l

RT: 12.853 min Scan# 1853

Delta R.T. -0.147 min

Lab File: VN079648.D

Acq: 23 Oct 2023 14:59

Instrument :

MSVOA_N

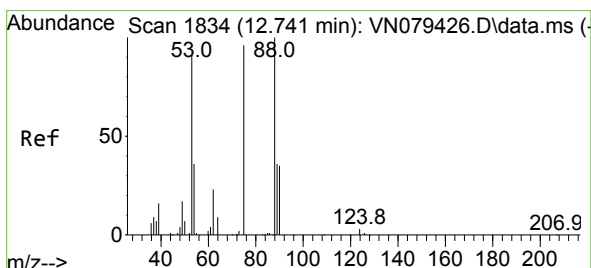
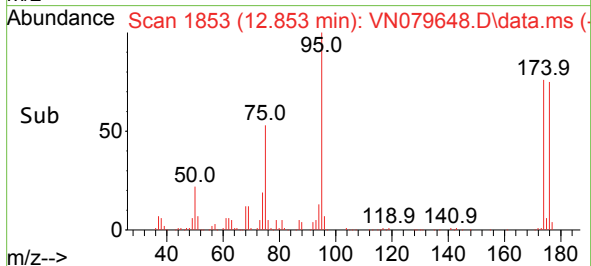
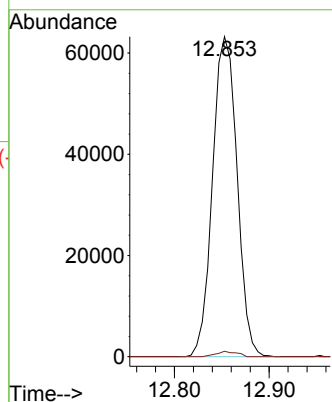
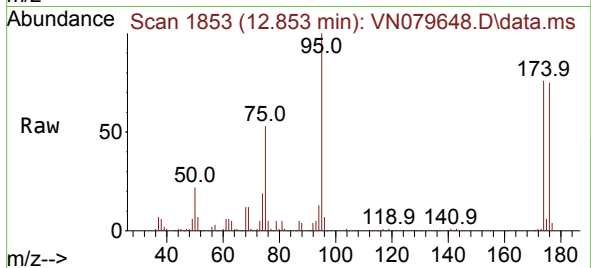
ClientSampleId :

Tgt Ion: 75 Resp: 113825

Ion Ratio Lower Upper

75 100

77 1.4 84.5 253.5#



#81

trans-1,4-Dichloro-2-butene

Concen: 75.219 ug/l

RT: 12.853 min Scan# 1853

Delta R.T. 0.112 min

Lab File: VN079648.D

Acq: 23 Oct 2023 14:59

Tgt Ion: 75 Resp: 113825

Ion Ratio Lower Upper

75 100

53 0.1 67.4 101.2#

89 0.0 38.8 58.2#

