

Data Path : Z:\voasrv\HPCHEM1\MSVOA_N\Data\VN071823\
 Data File : VN078565.D
 Acq On : 18 Jul 2023 16:51
 Operator : JC\MD
 Sample : IBLK
 Misc : 5.0mL/MSVOA_N/WATER
 ALS Vial : 17 Sample Multiplier: 1

Instrument :
 MSVOA_N
 ClientSampleId :
 IBLK

Quant Time: Jul 19 01:53:09 2023
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_N\methods\82N071023W.M
 Quant Title : SW846 8260
 QLast Update : Mon Jul 10 16:13:53 2023
 Response via : Initial Calibration

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

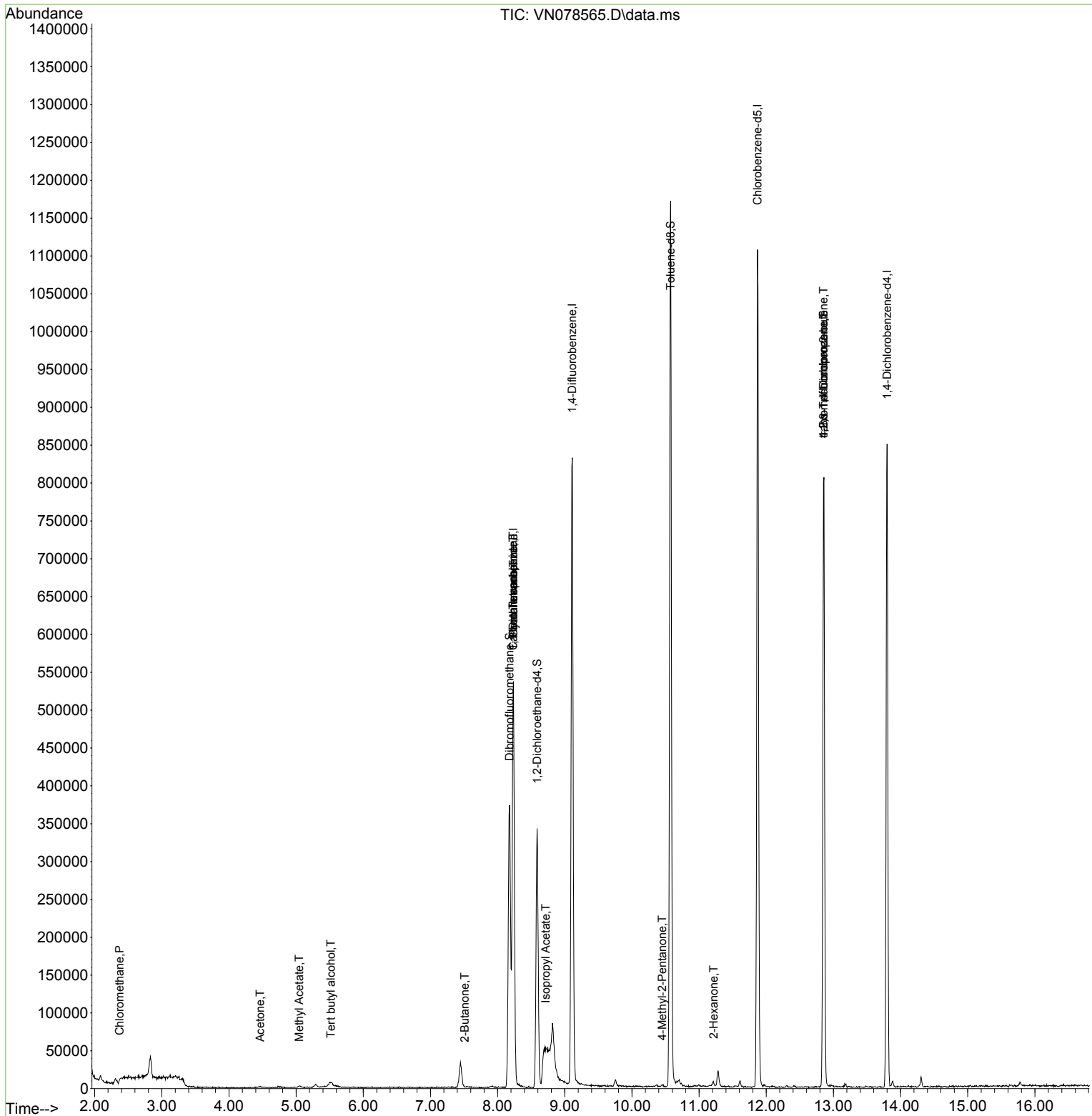
Internal Standards					
1) Pentafluorobenzene	8.235	168	393240	50.000 ug/l	0.00
34) 1,4-Difluorobenzene	9.112	114	738880	50.000 ug/l	0.00
63) Chlorobenzene-d5	11.870	117	675184	50.000 ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.800	152	235424	50.000 ug/l	0.00
System Monitoring Compounds					
33) 1,2-Dichloroethane-d4	8.588	65	275761	52.309 ug/l	0.00
Spiked Amount	50.000	Range 74 - 125	Recovery	= 104.620%	
35) Dibromofluoromethane	8.176	113	274357	54.699 ug/l	0.00
Spiked Amount	50.000	Range 75 - 124	Recovery	= 109.400%	
50) Toluene-d8	10.576	98	848752	44.794 ug/l	0.00
Spiked Amount	50.000	Range 86 - 113	Recovery	= 89.580%	
62) 4-Bromofluorobenzene	12.853	95	293723	50.326 ug/l	0.00
Spiked Amount	50.000	Range 83 - 123	Recovery	= 100.660%	
Target Compounds					
					Qvalue
3) Chloromethane	2.371	50	1501	0.286 ug/l	96
5) Bromomethane	2.953	94	1779	Below Cal #	31
6) Chloroethane	3.094	64	489	Below Cal #	43
11) Tert butyl alcohol	5.518	59	774	0.952 ug/l #	72
16) Acetone	4.465	43	1938	1.180 ug/l	92
18) Methyl Acetate	5.047	43	1834	0.264 ug/l	89
20) Methylene Chloride	5.288	84	2891	Below Cal #	90
25) 2-Butanone	7.512	43	546	0.211 ug/l #	37
31) Cyclohexane	8.235	56	10160	1.426 ug/l #	36
36) 1,1-Dichloropropene	8.229	75	32951	4.550 ug/l #	46
38) Carbon Tetrachloride	8.229	117	40279	5.117 ug/l #	16
43) Isopropyl Acetate	8.718	43	71962	7.240 ug/l #	50
51) 4-Methyl-2-Pentanone	10.453	43	2983	0.505 ug/l #	58
59) 2-Hexanone	11.217	43	1803	0.429 ug/l #	29
75) 1,1,2,2-Tetrachloroethane	12.941	83	162	Below Cal #	26
76) 1,2,3-Trichloropropane	12.853	75	149529	26.277 ug/l #	1
77) Bromobenzene	12.853	156	209	Below Cal #	1
81) trans-1,4-Dichloro-2-b...	12.853	75	149529	69.051 ug/l #	15
92) 1,2-Dibromo-3-Chloropr...	14.547	75	74	Below Cal #	4

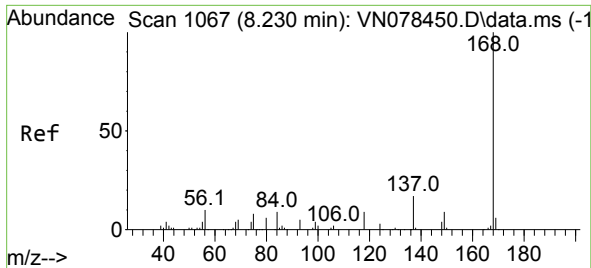
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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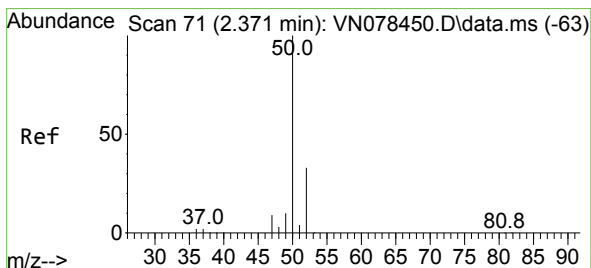
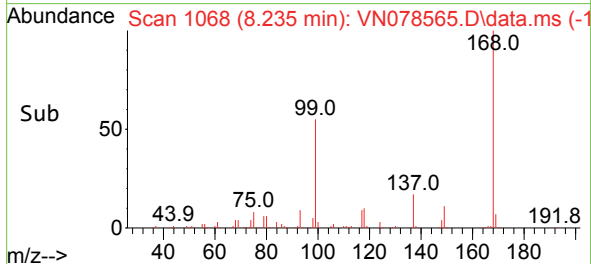
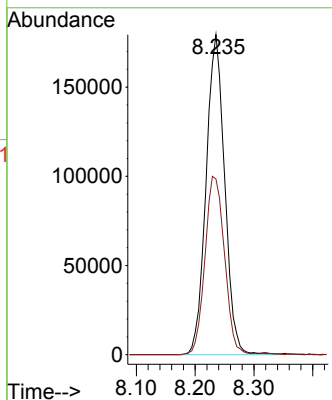
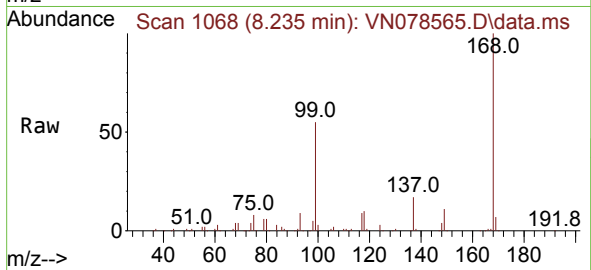




#1
 Pentafluorobenzene
 Concen: 50.000 ug/l
 RT: 8.235 min Scan# 10
 Delta R.T. 0.005 min
 Lab File: VN078565.D
 Acq: 18 Jul 2023 16:51

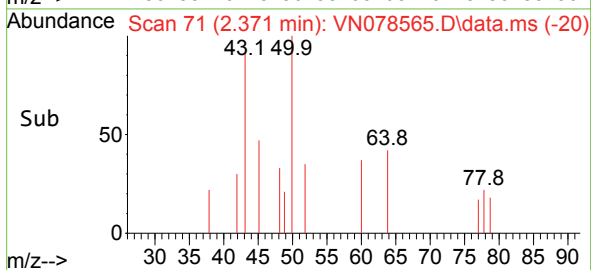
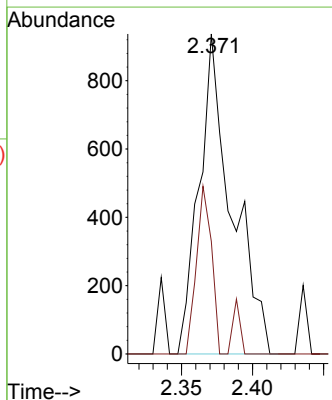
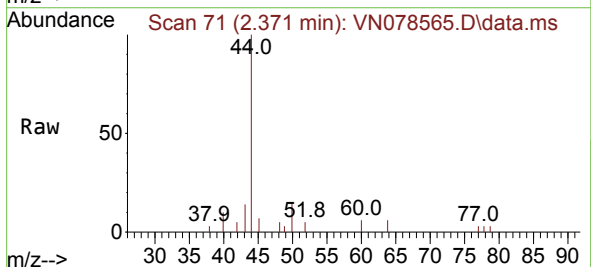
Instrument :
 MSVOA_N
 ClientSampleId :
 IBLK

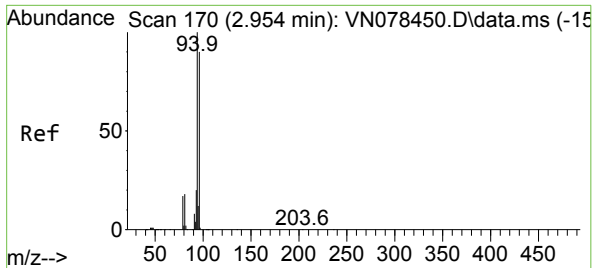
Tgt Ion:168 Resp: 393240
 Ion Ratio Lower Upper
 168 100
 99 54.9 53.0 79.6



#3
 Chloromethane
 Concen: 0.286 ug/l
 RT: 2.371 min Scan# 71
 Delta R.T. -0.000 min
 Lab File: VN078565.D
 Acq: 18 Jul 2023 16:51

Tgt Ion: 50 Resp: 1501
 Ion Ratio Lower Upper
 50 100
 52 35.2 26.5 39.7

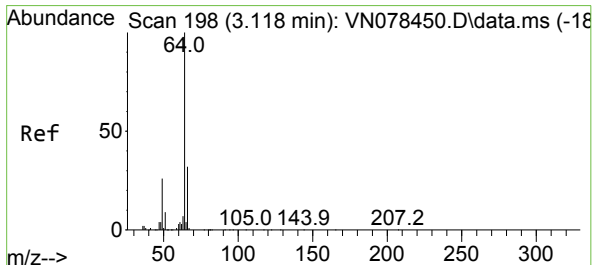
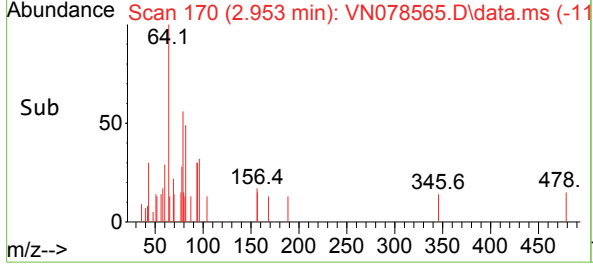
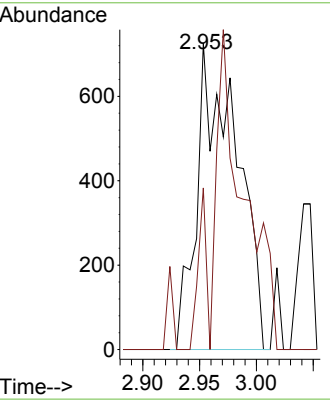
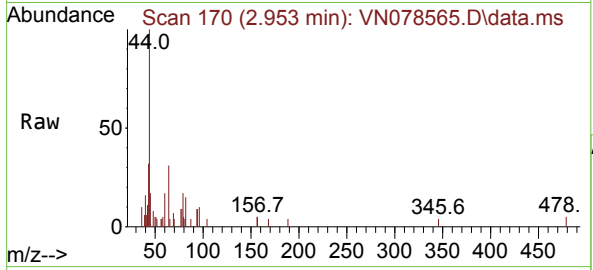




#5
 Bromomethane
 Concen: Below Cal
 RT: 2.953 min Scan# 11
 Delta R.T. -0.001 min
 Lab File: VN078565.D
 Acq: 18 Jul 2023 16:51

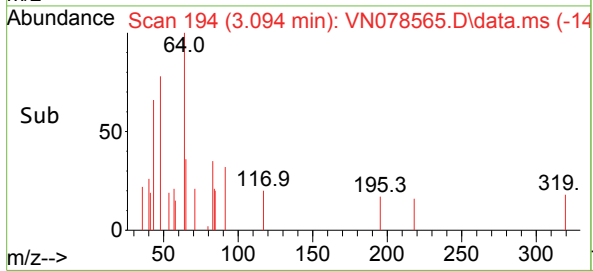
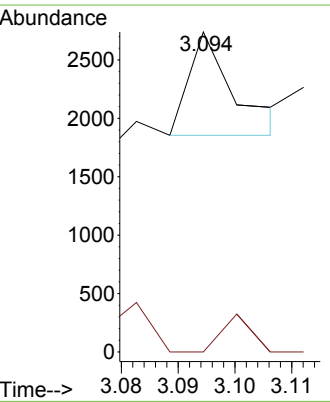
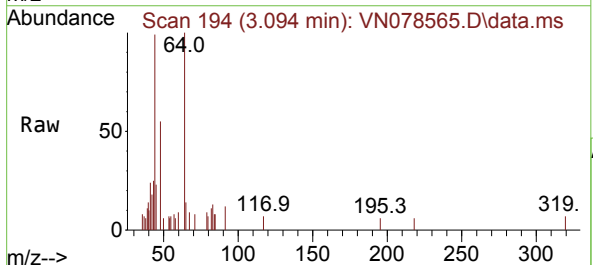
Instrument : MSVOA_N
 ClientSampleId : IBLK

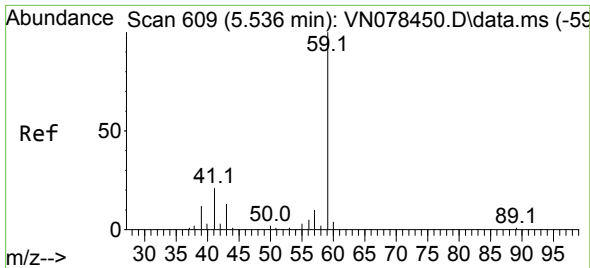
Tgt Ion: 94 Resp: 1779
 Ion Ratio Lower Upper
 94 100
 96 25.6 73.1 109.7#



#6
 Chloroethane
 Concen: Below Cal
 RT: 3.094 min Scan# 194
 Delta R.T. -0.024 min
 Lab File: VN078565.D
 Acq: 18 Jul 2023 16:51

Tgt Ion: 64 Resp: 489
 Ion Ratio Lower Upper
 64 100
 66 0.0 25.4 38.2#

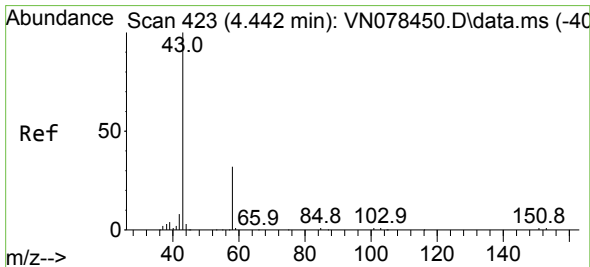
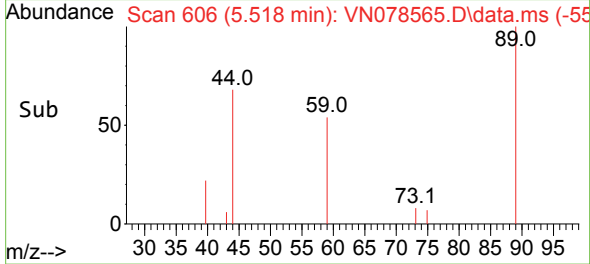
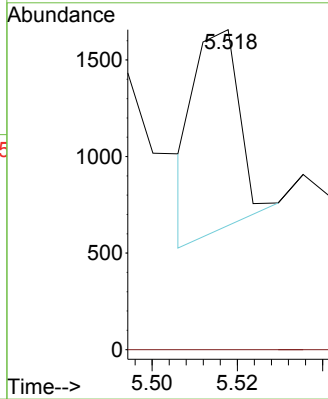
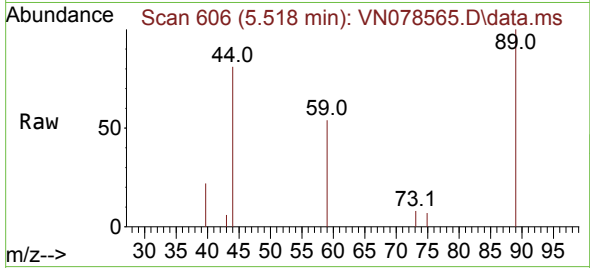




#11
 Tert butyl alcohol
 Concen: 0.952 ug/l
 RT: 5.518 min Scan# 606
 Delta R.T. -0.018 min
 Lab File: VN078565.D
 Acq: 18 Jul 2023 16:51

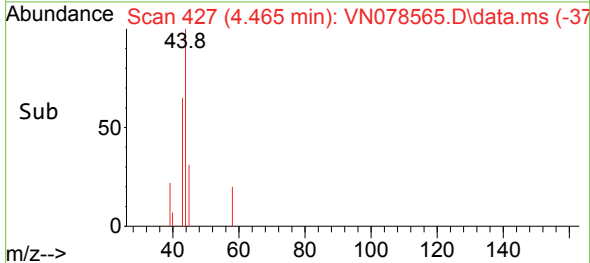
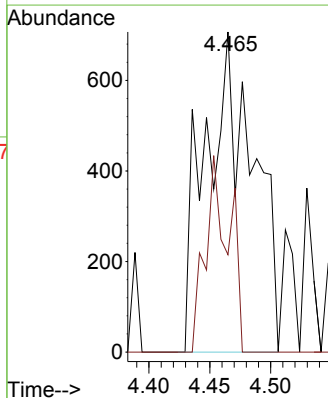
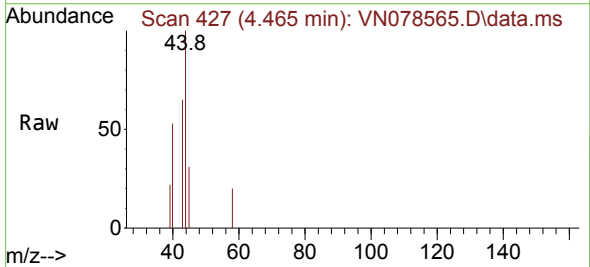
Instrument : MSVOA_N
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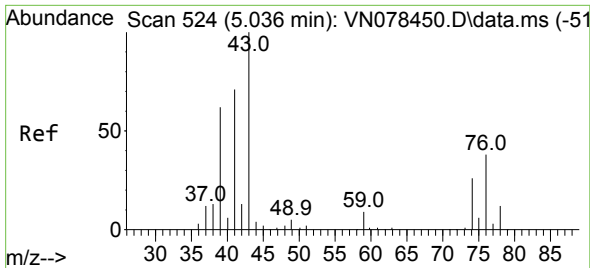
Tgt Ion: 59 Resp: 774
 Ion Ratio Lower Upper
 59 100
 57 0.0 8.2 12.4#



#16
 Acetone
 Concen: 1.180 ug/l
 RT: 4.465 min Scan# 427
 Delta R.T. 0.023 min
 Lab File: VN078565.D
 Acq: 18 Jul 2023 16:51

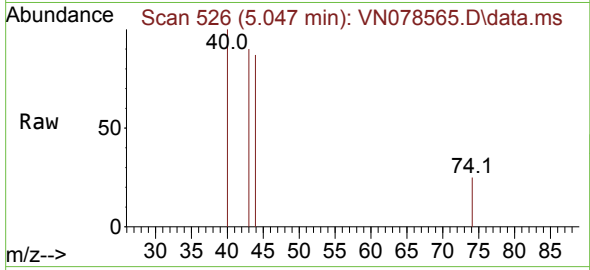
Tgt Ion: 43 Resp: 1938
 Ion Ratio Lower Upper
 43 100
 58 30.4 28.0 42.0



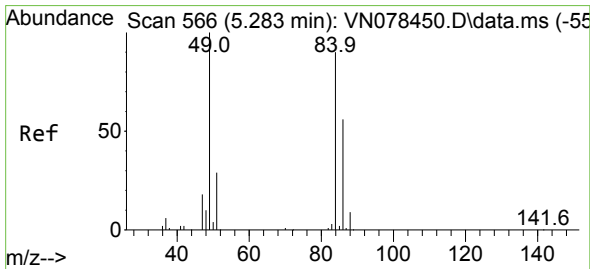
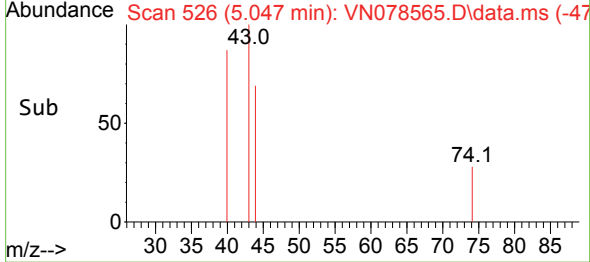
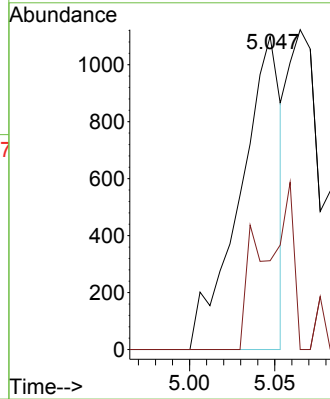


#18
 Methyl Acetate
 Concen: 0.264 ug/l
 RT: 5.047 min Scan# 51
 Delta R.T. 0.011 min
 Lab File: VN078565.D
 Acq: 18 Jul 2023 16:51

Instrument :
 MSVOA_N
 ClientSampleId :
 IBLK

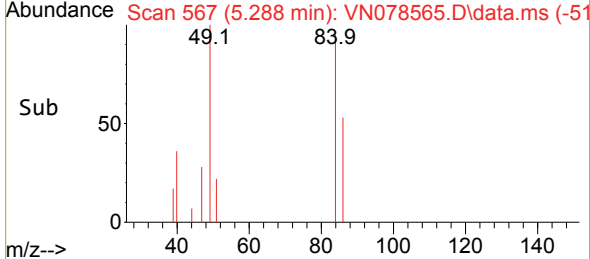
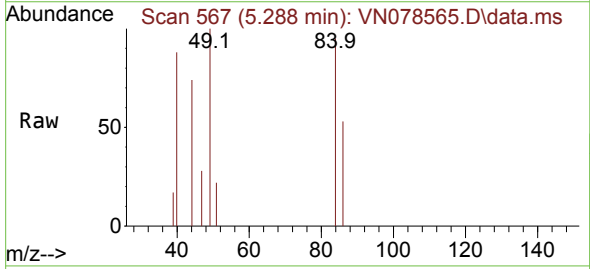
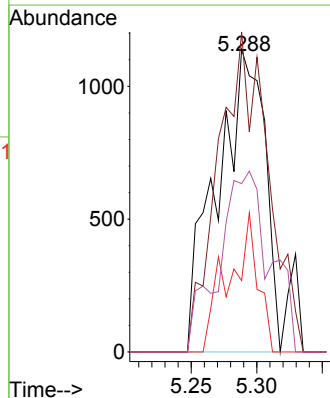


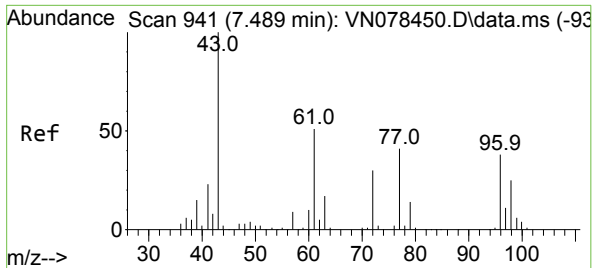
Tgt Ion: 43 Resp: 1834
 Ion Ratio Lower Upper
 43 100
 74 38.8 26.2 39.4



#20
 Methylene Chloride
 Concen: Below Cal
 RT: 5.288 min Scan# 567
 Delta R.T. 0.005 min
 Lab File: VN078565.D
 Acq: 18 Jul 2023 16:51

Tgt Ion: 84 Resp: 2891
 Ion Ratio Lower Upper
 84 100
 49 105.7 79.7 119.5
 51 23.6 25.2 37.8#
 86 55.6 53.3 79.9

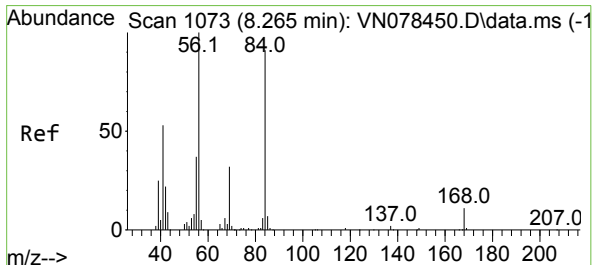
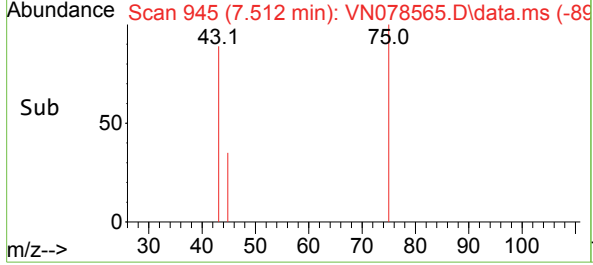
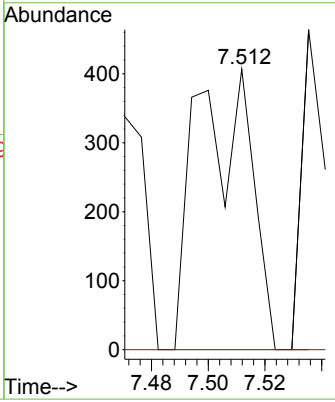
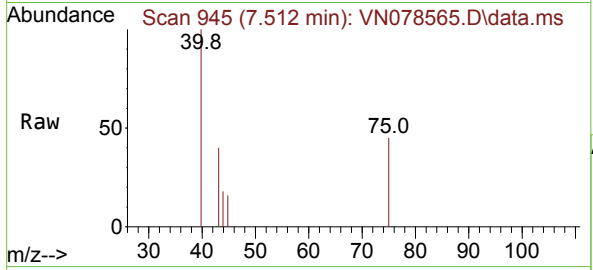




#25
 2-Butanone
 Concen: 0.211 ug/l
 RT: 7.512 min Scan# 941
 Delta R.T. 0.023 min
 Lab File: VN078565.D
 Acq: 18 Jul 2023 16:51

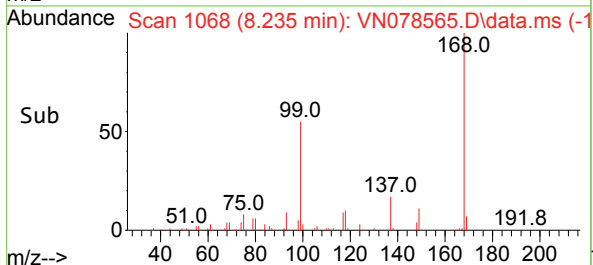
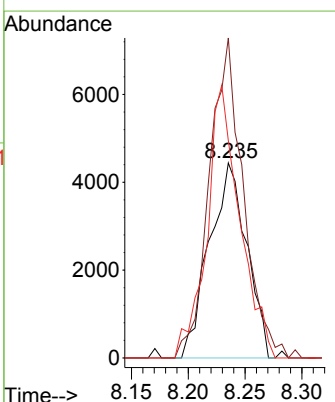
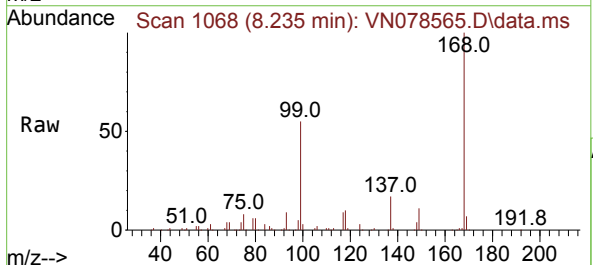
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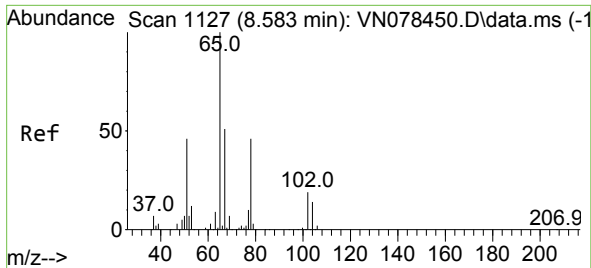
Tgt Ion: 43 Resp: 546
 Ion Ratio Lower Upper
 43 100
 72 0.0 30.2 45.2#



#31
 Cyclohexane
 Concen: 1.426 ug/l
 RT: 8.235 min Scan# 1068
 Delta R.T. -0.030 min
 Lab File: VN078565.D
 Acq: 18 Jul 2023 16:51

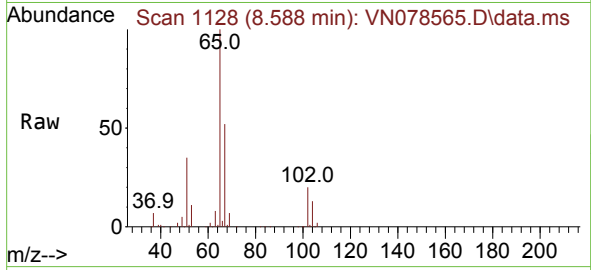
Tgt Ion: 56 Resp: 10160
 Ion Ratio Lower Upper
 56 100
 69 164.0 26.8 40.2#
 84 111.5 81.8 122.6



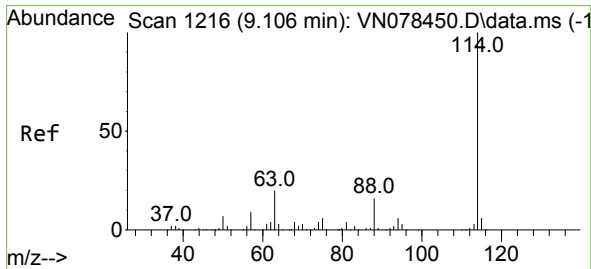
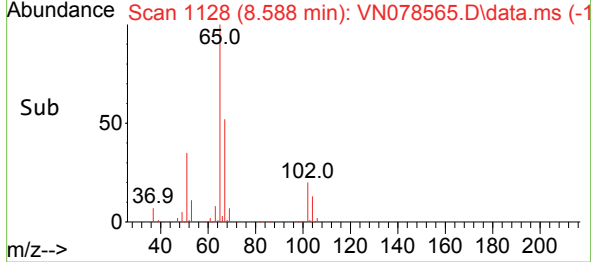
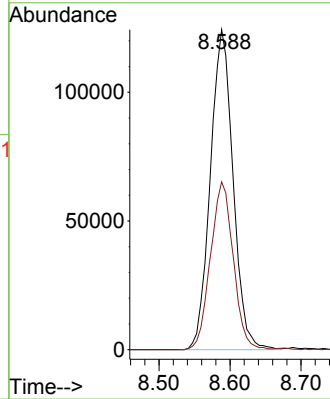


#33
 1,2-Dichloroethane-d4
 Concen: 52.309 ug/l
 RT: 8.588 min Scan# 1128
 Delta R.T. 0.005 min
 Lab File: VN078565.D
 Acq: 18 Jul 2023 16:51

Instrument :
 MSVOA_N
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 IBLK

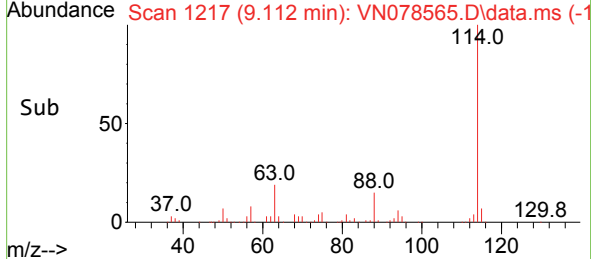
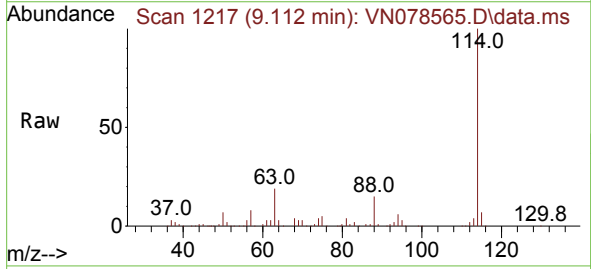
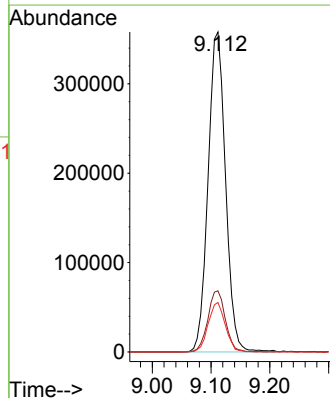


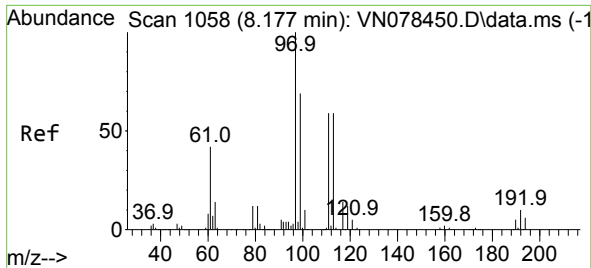
Tgt Ion: 65 Resp: 275761
 Ion Ratio Lower Upper
 65 100
 67 52.6 0.0 106.6



#34
 1,4-Difluorobenzene
 Concen: 50.000 ug/l
 RT: 9.112 min Scan# 1217
 Delta R.T. 0.006 min
 Lab File: VN078565.D
 Acq: 18 Jul 2023 16:51

Tgt Ion: 114 Resp: 738880
 Ion Ratio Lower Upper
 114 100
 63 19.1 0.0 36.4
 88 15.4 0.0 30.6



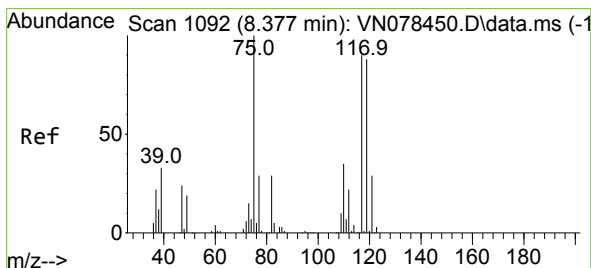
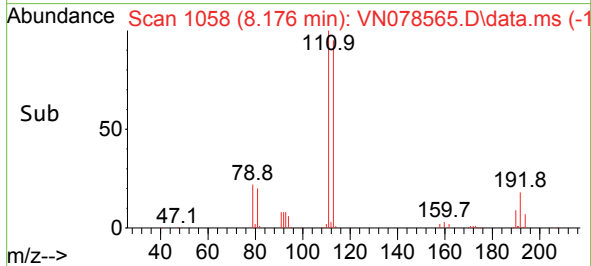
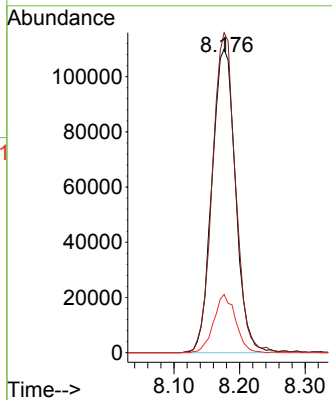
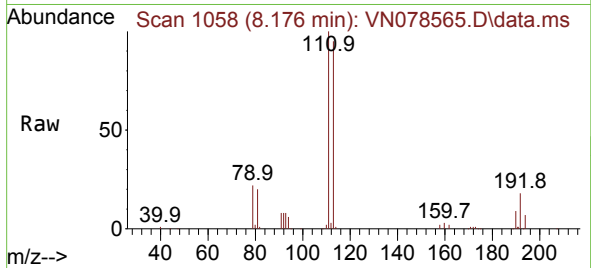


#35
 Dibromofluoromethane
 Concen: 54.699 ug/l
 RT: 8.176 min Scan# 1067
 Delta R.T. -0.001 min
 Lab File: VN078565.D
 Acq: 18 Jul 2023 16:51

Instrument : MSVOA_N
 ClientSampleId : IBLK

Tgt Ion:113 Resp: 274357

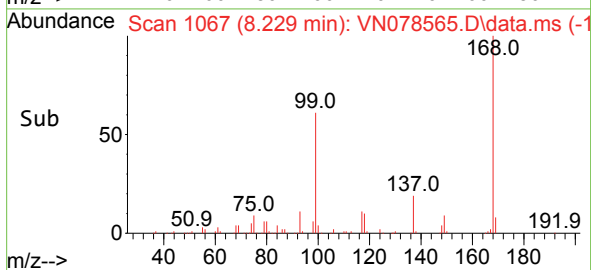
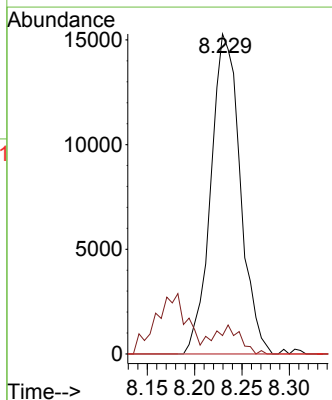
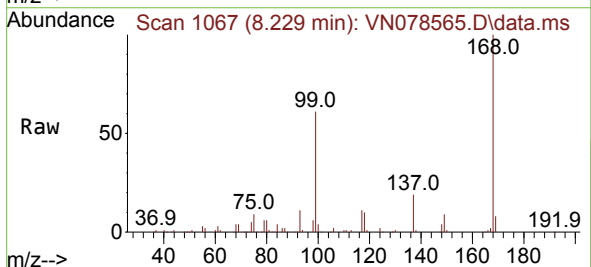
Ion	Ratio	Lower	Upper
113	100		
111	103.2	82.6	123.8
192	17.8	12.7	19.1

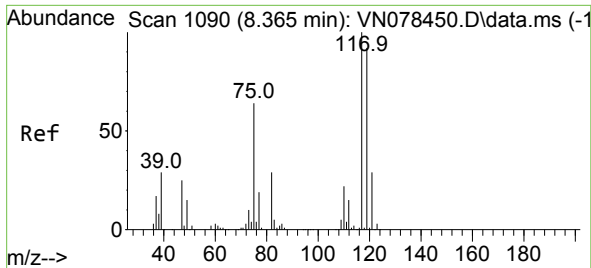


#36
 1,1-Dichloropropene
 Concen: 4.550 ug/l
 RT: 8.229 min Scan# 1067
 Delta R.T. -0.148 min
 Lab File: VN078565.D
 Acq: 18 Jul 2023 16:51

Tgt Ion: 75 Resp: 32951

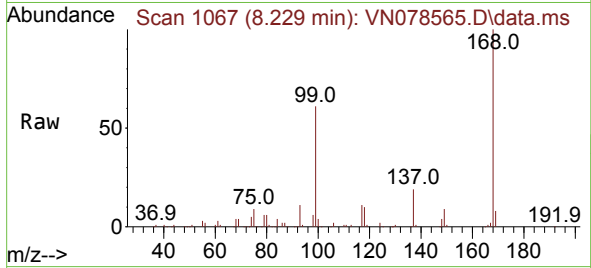
Ion	Ratio	Lower	Upper
75	100		
110	6.6	19.1	57.3#
77	0.0	25.0	37.4#



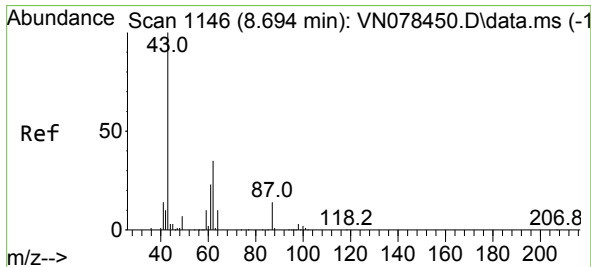
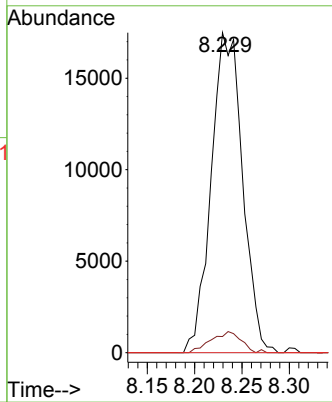
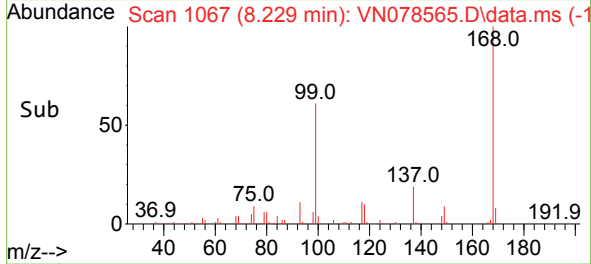


#38
 Carbon Tetrachloride
 Concen: 5.117 ug/l
 RT: 8.229 min Scan# 1107
 Delta R.T. -0.136 min
 Lab File: VN078565.D
 Acq: 18 Jul 2023 16:51

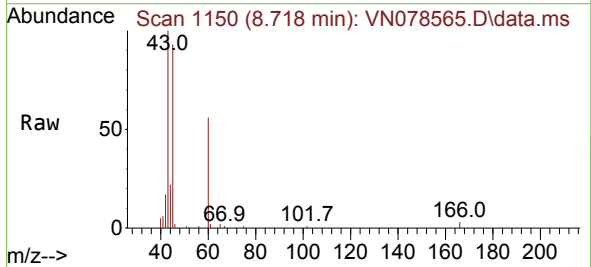
Instrument : MSVOA_N
 ClientSampleId : IBLK



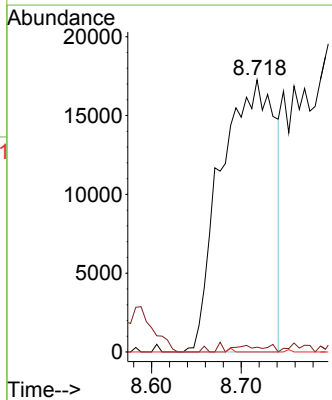
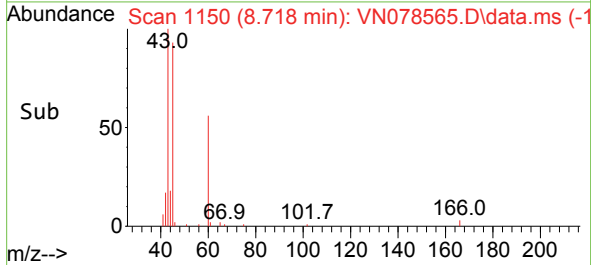
Tgt Ion: 117 Resp: 40279
 Ion Ratio Lower Upper
 117 100
 119 5.1 77.3 115.9#
 121 0.0 23.3 34.9#

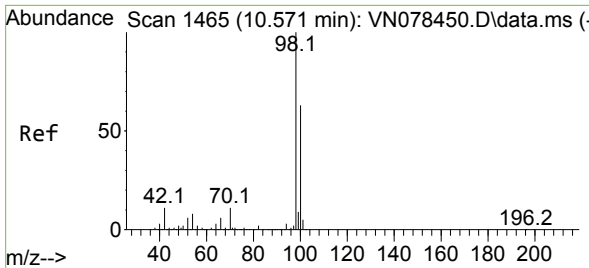


#43
 Isopropyl Acetate
 Concen: 7.240 ug/l
 RT: 8.718 min Scan# 1150
 Delta R.T. 0.024 min
 Lab File: VN078565.D
 Acq: 18 Jul 2023 16:51



Tgt Ion: 43 Resp: 71962
 Ion Ratio Lower Upper
 43 100
 61 0.9 24.7 37.1#
 87 0.0 14.6 21.8#

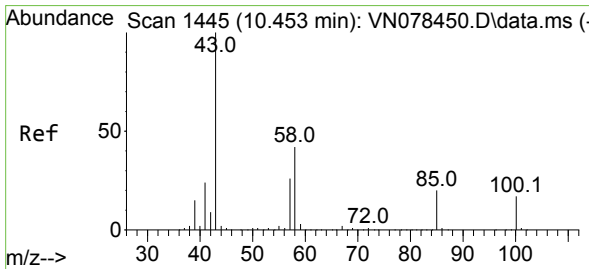
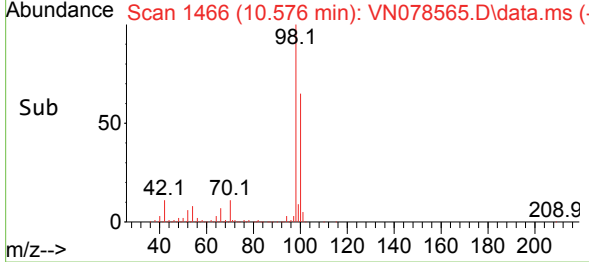
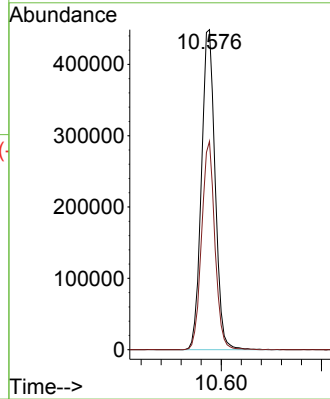
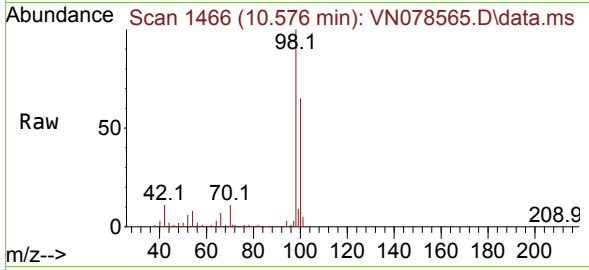




#50
 Toluene-d8
 Concen: 44.794 ug/l
 RT: 10.576 min Scan# 1466
 Delta R.T. 0.005 min
 Lab File: VN078565.D
 Acq: 18 Jul 2023 16:51

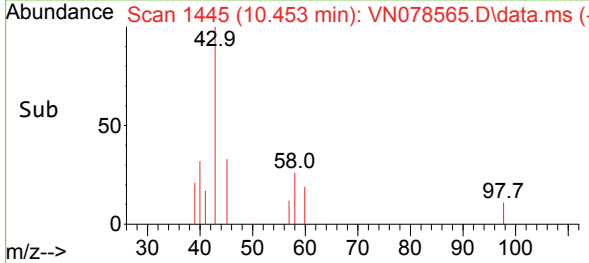
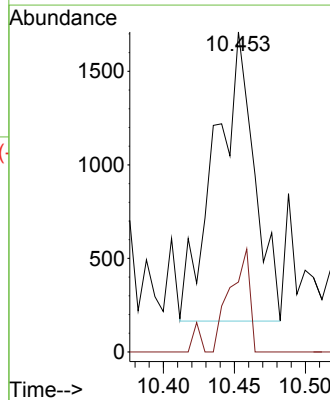
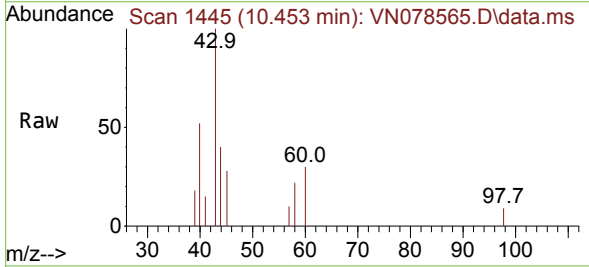
Instrument :
 MSVOA_N
 ClientSampleId :
 IBLK

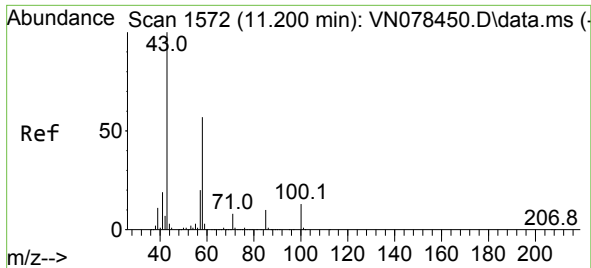
Tgt Ion: 98 Resp: 848752
 Ion Ratio Lower Upper
 98 100
 100 63.3 52.0 78.0



#51
 4-Methyl-2-Pentanone
 Concen: 0.505 ug/l
 RT: 10.453 min Scan# 1445
 Delta R.T. -0.000 min
 Lab File: VN078565.D
 Acq: 18 Jul 2023 16:51

Tgt Ion: 43 Resp: 2983
 Ion Ratio Lower Upper
 43 100
 58 17.9 36.6 54.8#

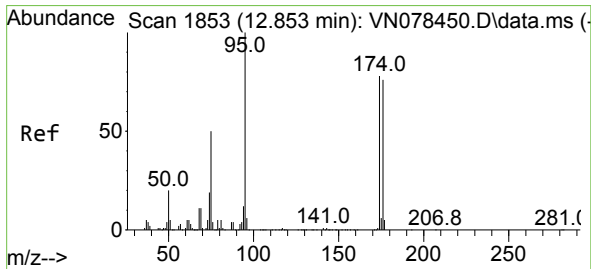
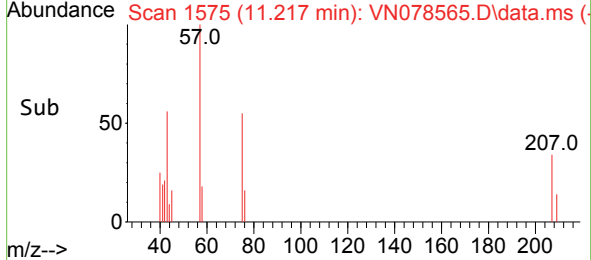
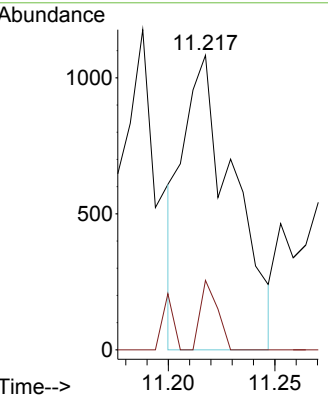
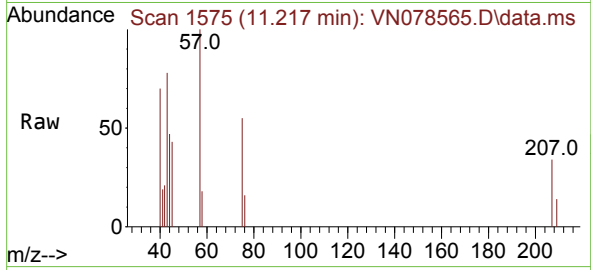




#59
 2-Hexanone
 Concen: 0.429 ug/l
 RT: 11.217 min Scan# 11
 Delta R.T. 0.017 min
 Lab File: VN078565.D
 Acq: 18 Jul 2023 16:51

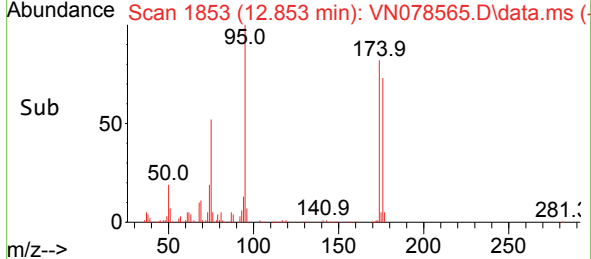
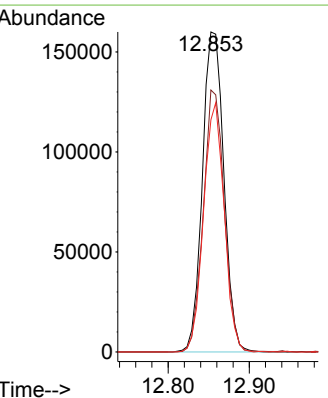
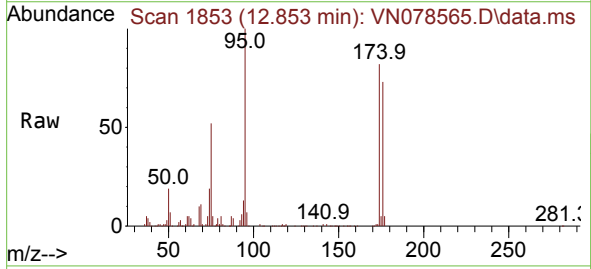
Instrument : MSVOA_N
 ClientSampleId : IBLK

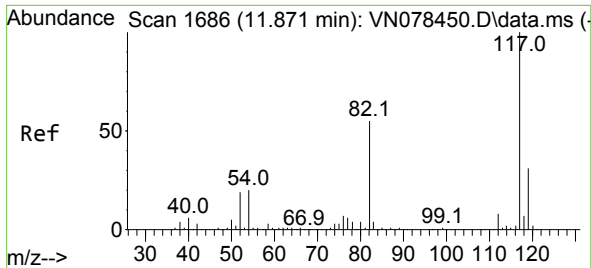
Tgt Ion: 43 Resp: 1803
 Ion Ratio Lower Upper
 43 100
 58 7.9 31.7 95.1#



#62
 4-Bromofluorobenzene
 Concen: 50.326 ug/l
 RT: 12.853 min Scan# 1853
 Delta R.T. -0.000 min
 Lab File: VN078565.D
 Acq: 18 Jul 2023 16:51

Tgt Ion: 95 Resp: 293723
 Ion Ratio Lower Upper
 95 100
 174 80.3 0.0 143.8
 176 75.0 0.0 135.8

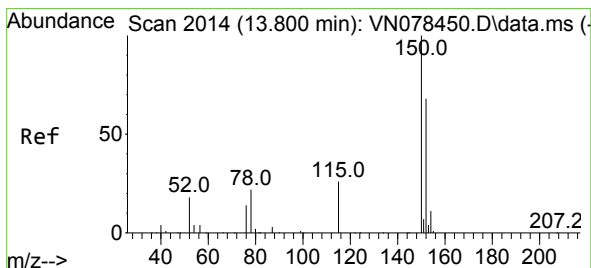
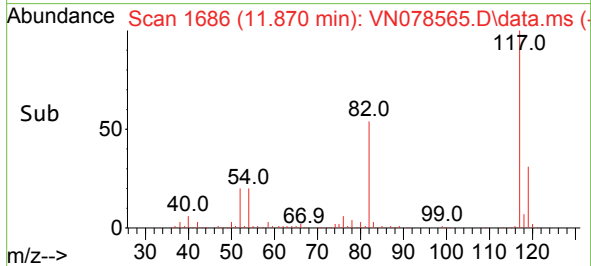
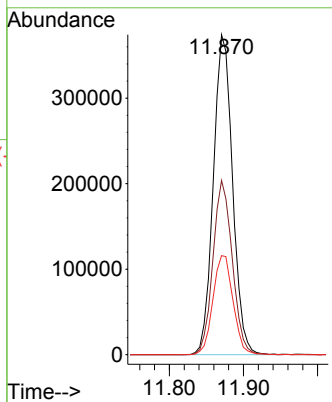
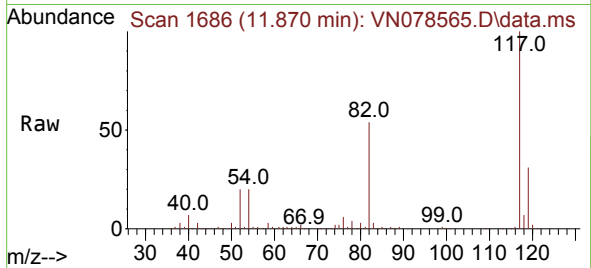




#63
 Chlorobenzene-d5
 Concen: 50.000 ug/l
 RT: 11.870 min Scan# 117
 Delta R.T. -0.001 min
 Lab File: VN078565.D
 Acq: 18 Jul 2023 16:51

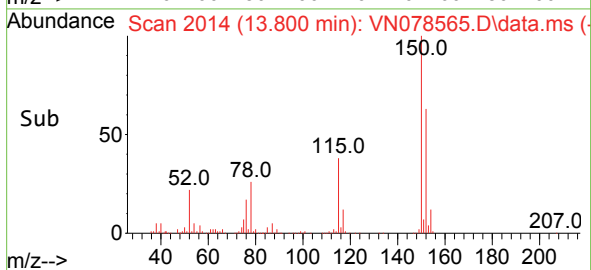
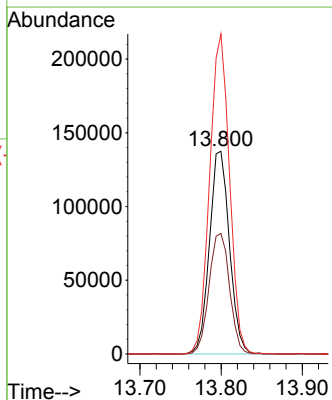
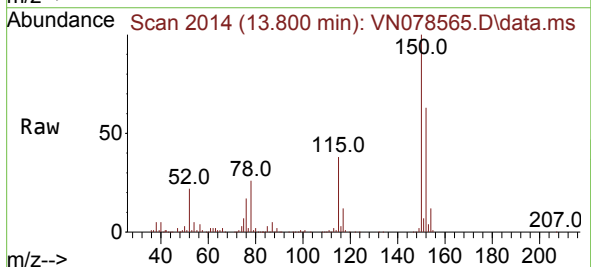
Instrument : MSVOA_N
 ClientSampleId : IBLK

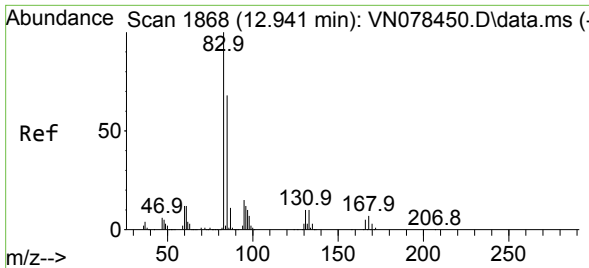
Tgt Ion	Resp	Lower	Upper
117	100		
82	54.4	44.0	66.0
119	30.9	25.6	38.4



#72
 1,4-Dichlorobenzene-d4
 Concen: 50.000 ug/l
 RT: 13.800 min Scan# 2014
 Delta R.T. -0.000 min
 Lab File: VN078565.D
 Acq: 18 Jul 2023 16:51

Tgt Ion	Resp	Lower	Upper
152	100		
115	61.0	32.3	96.8
150	156.1	0.0	355.8

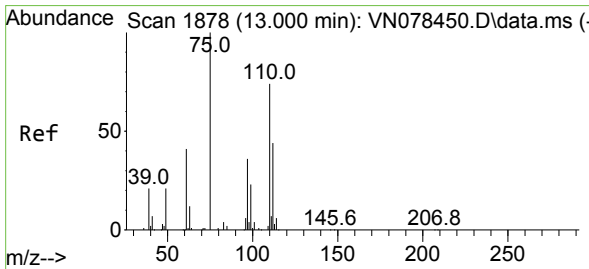
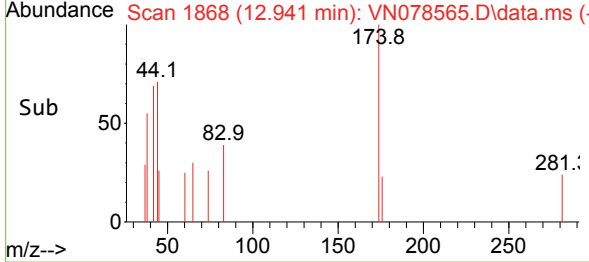
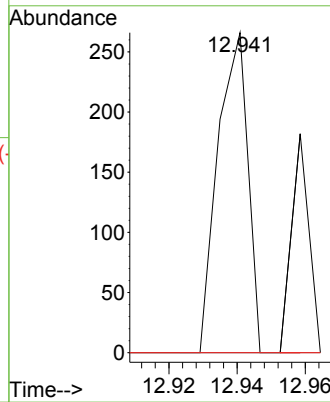
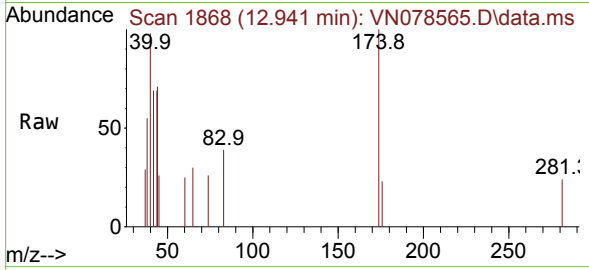




#75
 1,1,2,2-Tetrachloroethane
 Concen: Below Cal
 RT: 12.941 min Scan# 1853
 Delta R.T. -0.000 min
 Lab File: VN078565.D
 Acq: 18 Jul 2023 16:51

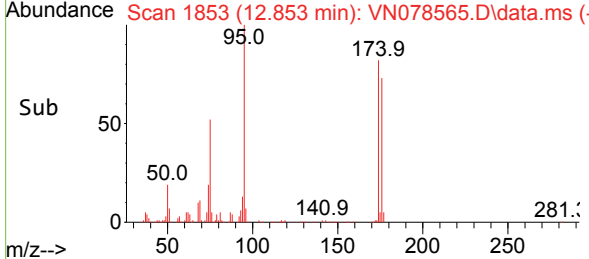
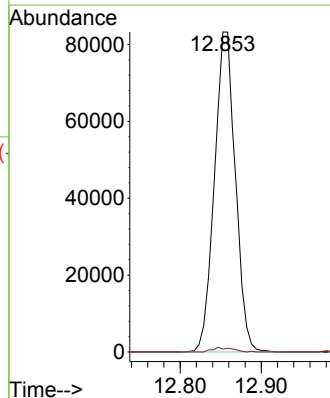
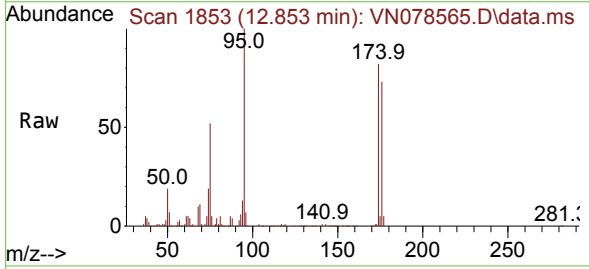
Instrument : MSVOA_N
 ClientSampleId : IBLK

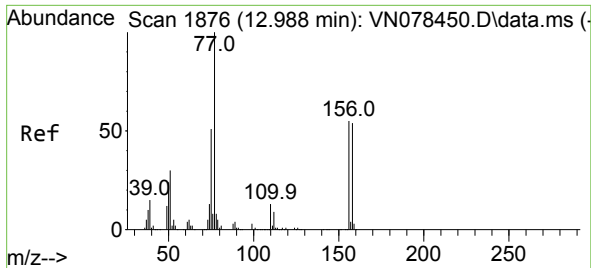
Tgt Ion	Resp	Lower	Upper
83	162		
131	0.0	5.0	15.0#
85	0.0	31.9	95.7#



#76
 1,2,3-Trichloropropane
 Concen: 26.277 ug/l
 RT: 12.853 min Scan# 1853
 Delta R.T. -0.147 min
 Lab File: VN078565.D
 Acq: 18 Jul 2023 16:51

Tgt Ion	Resp	Lower	Upper
75	149529		
77	1.3	84.5	253.5#



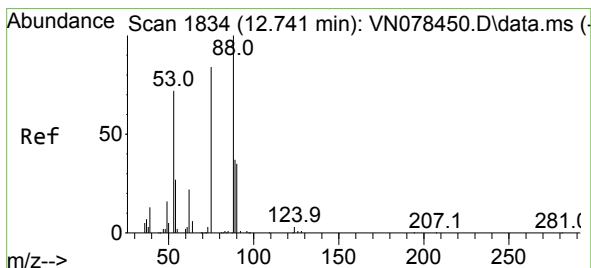
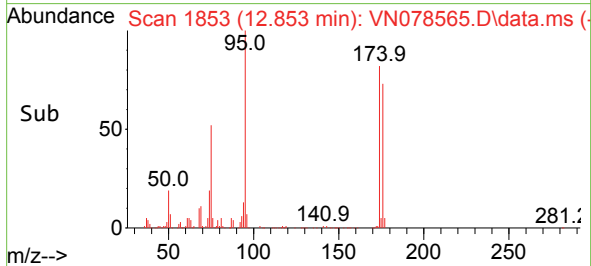
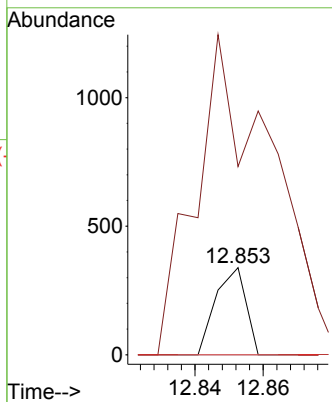
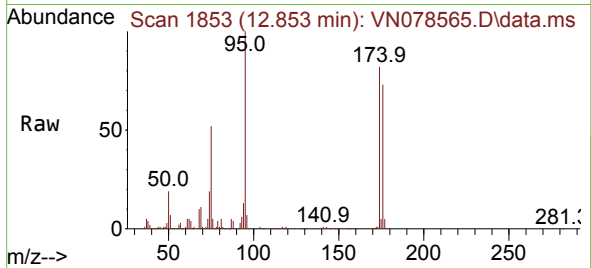


#77
 Bromobenzene
 Concen: Below Cal
 RT: 12.853 min Scan# 1853
 Delta R.T. -0.135 min
 Lab File: VN078565.D
 Acq: 18 Jul 2023 16:51

Instrument : MSVOA_N
 ClientSampleId : IBLK

Tgt Ion:156 Resp: 209

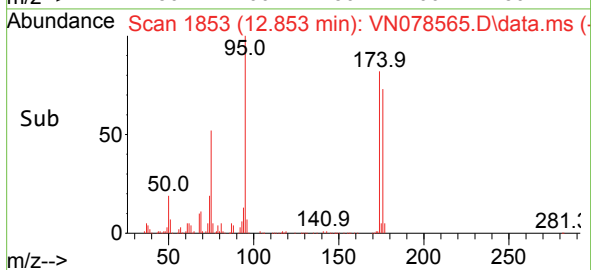
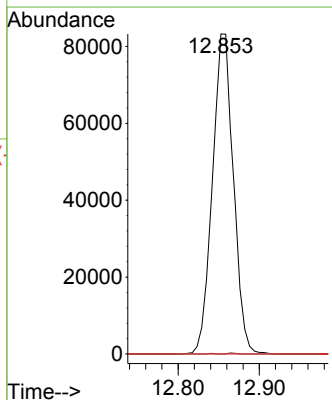
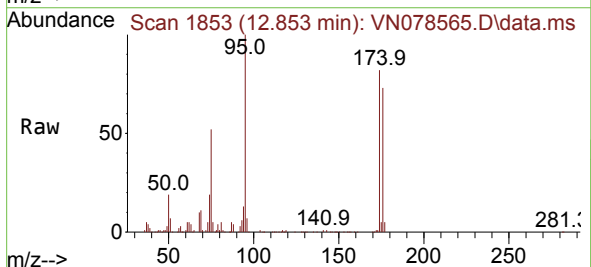
Ion	Ratio	Lower	Upper
156	100		
77	953.6	107.7	323.3#
158	0.0	48.4	145.3#

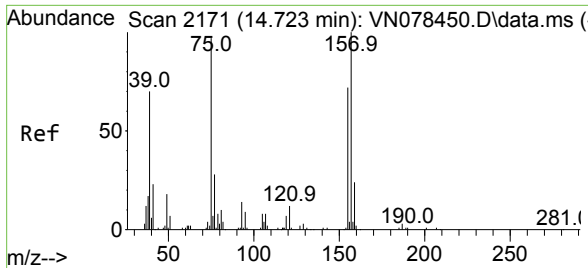


#81
 trans-1,4-Dichloro-2-butene
 Concen: 69.051 ug/l
 RT: 12.853 min Scan# 1853
 Delta R.T. 0.112 min
 Lab File: VN078565.D
 Acq: 18 Jul 2023 16:51

Tgt Ion: 75 Resp: 149529

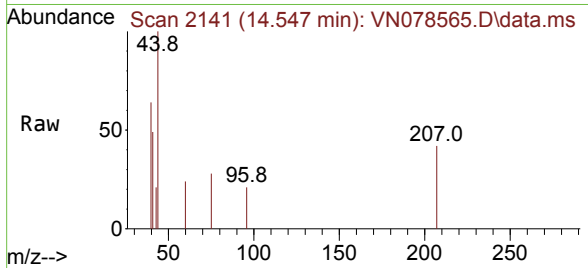
Ion	Ratio	Lower	Upper
75	100		
53	0.1	67.4	101.2#
89	0.0	38.8	58.2#





#92
 1,2-Dibromo-3-Chloropropane
 Concen: Below Cal
 RT: 14.547 min Scan# 21
 Delta R.T. -0.176 min
 Lab File: VN078565.D
 Acq: 18 Jul 2023 16:51

Instrument :
 MSVOA_N
 ClientSampleId :
 IBLK



Tgt Ion: 75 Resp: 74

Ion	Ratio	Lower	Upper
75	100		
155	0.0	39.1	117.2#
157	0.0	50.3	150.9#

