

Data Path : Z:\voasrv\HPCHEM1\MSVOA_N\Data\VN062223\
 Data File : VN078360.D
 Acq On : 22 Jun 2023 19:16
 Operator : JC\MD
 Sample : IBLK
 Misc : 5.0mL/MSVOA_N/WATER
 ALS Vial : 19 Sample Multiplier: 1

Instrument :
 MSVOA_N
 ClientSampleId :
 IBLK

Quant Time: Jun 23 08:04:18 2023
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_N\methods\82N060623W.M
 Quant Title : SW846 8260
 QLast Update : Wed Jun 07 05:05:00 2023
 Response via : Initial Calibration

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

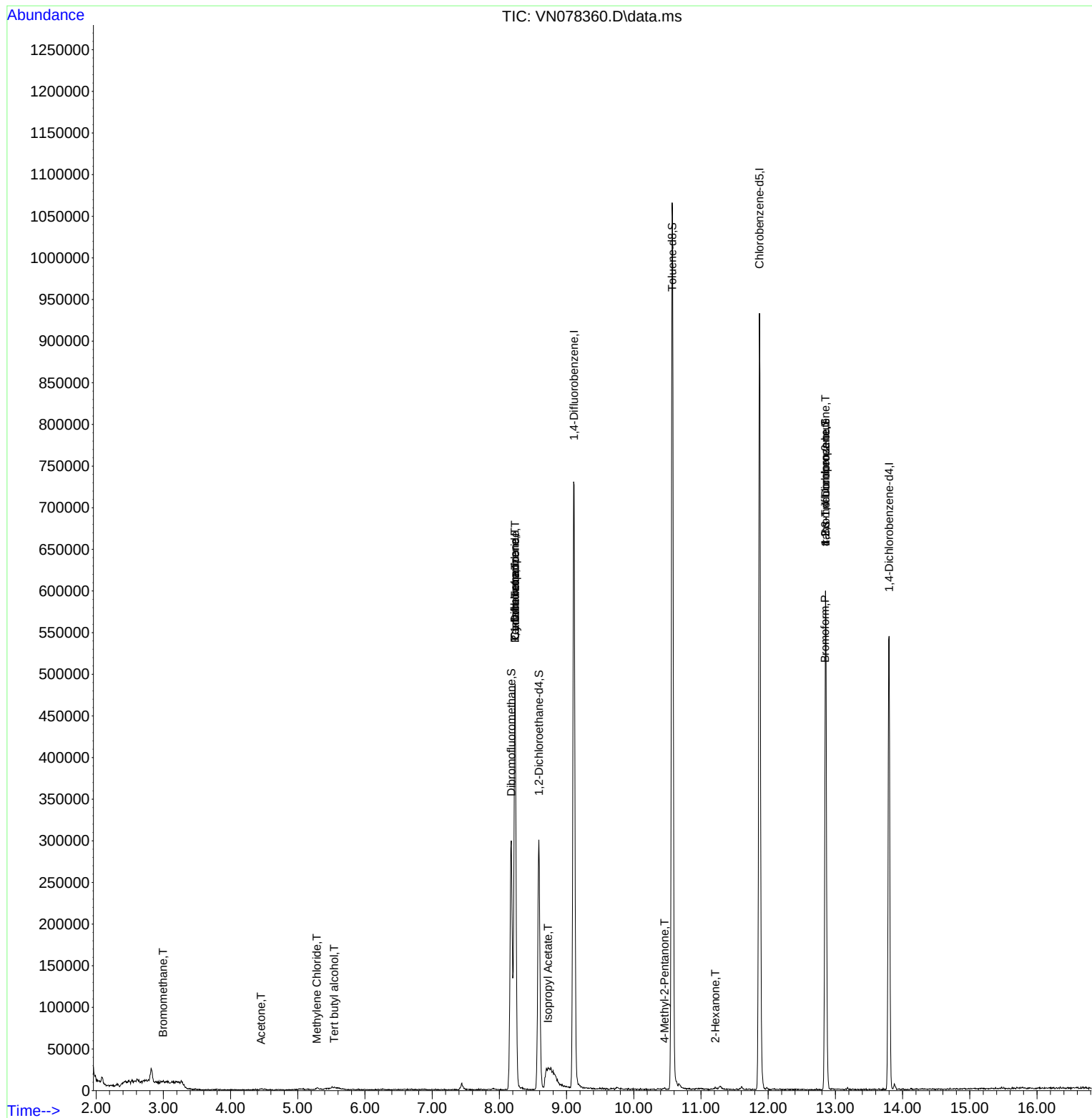
Internal Standards						
1) Pentafluorobenzene	8.230	168	346987	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	9.112	114	646919	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.870	117	565008	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.800	152	154659	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.588	65	247849	53.573	ug/l	0.00
Spiked Amount	50.000	Range	74 - 125	Recovery	= 107.140%	
35) Dibromofluoromethane	8.177	113	217571	53.191	ug/l	0.00
Spiked Amount	50.000	Range	75 - 124	Recovery	= 106.380%	
50) Toluene-d8	10.571	98	794045	50.355	ug/l	0.00
Spiked Amount	50.000	Range	86 - 113	Recovery	= 100.720%	
62) 4-Bromofluorobenzene	12.853	95	210063	42.851	ug/l	0.00
Spiked Amount	50.000	Range	83 - 123	Recovery	= 85.700%	
Target Compounds						
					Qvalue	
3) Chloromethane	2.377	50	1266	Below Cal		92
5) Bromomethane	2.995	94	1707	0.440	ug/l #	64
11) Tert butyl alcohol	5.541	59	200	0.313	ug/l #	72
16) Acetone	4.453	43	685	0.514	ug/l #	40
20) Methylene Chloride	5.283	84	1081	0.246	ug/l #	77
31) Cyclohexane	8.235	56	7942	1.338	ug/l #	17
36) 1,1-Dichloropropene	8.230	75	31143	5.308	ug/l #	48
38) Carbon Tetrachloride	8.235	117	37610	6.071	ug/l #	17
43) Isopropyl Acetate	8.724	43	39188	4.471	ug/l #	50
51) 4-Methyl-2-Pentanone	10.459	43	1992	0.432	ug/l #	55
59) 2-Hexanone	11.212	43	992	0.309	ug/l #	28
71) Bromoform	12.847	173	1602	0.558	ug/l #	1
75) 1,1,2,2-Tetrachloroethane	12.900	83	58	Below Cal	#	26
76) 1,2,3-Trichloropropane	12.853	75	110854	30.319	ug/l #	1
81) trans-1,4-Dichloro-2-b...	12.853	75	110854	93.151	ug/l #	15

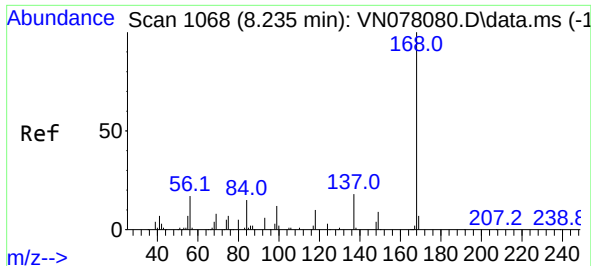
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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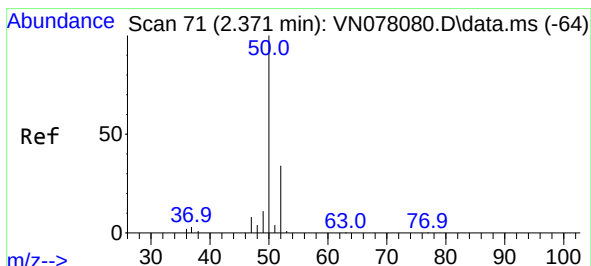
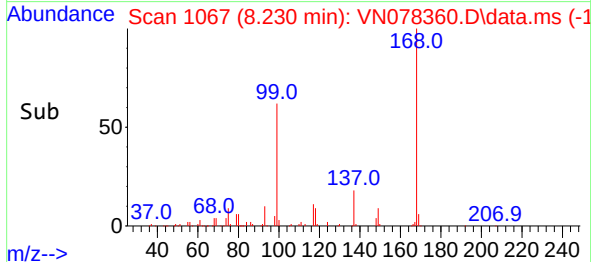
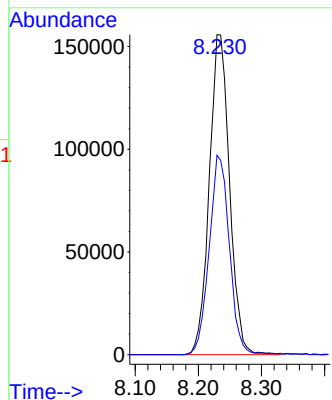
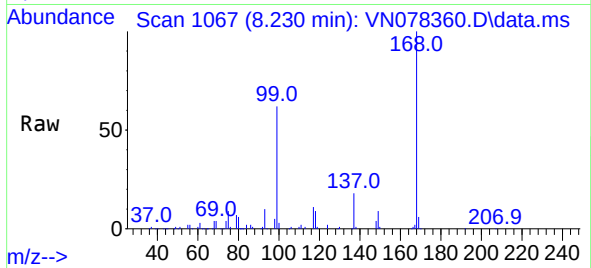




#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 8.230 min Scan# 10
Delta R.T. -0.005 min
Lab File: VN078360.D
Acq: 22 Jun 2023 19:16

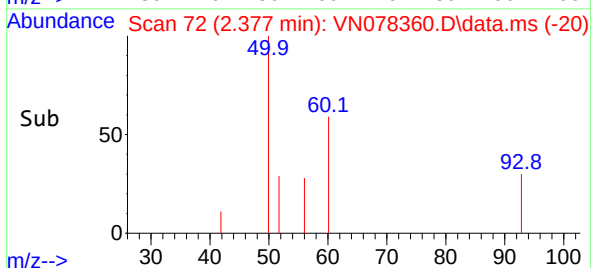
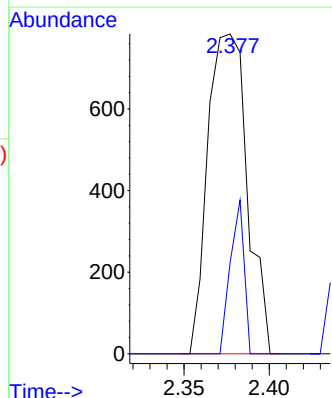
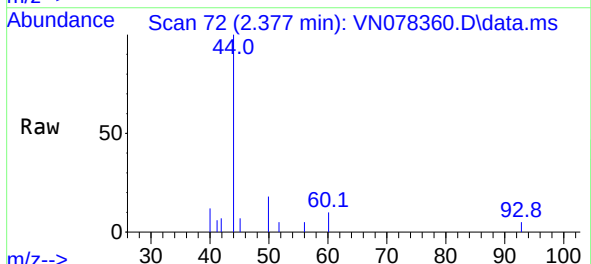
Instrument :
MSVOA_N
ClientSampleId :
IBLK

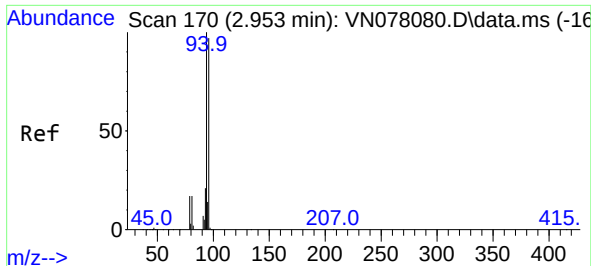
Tgt Ion:168 Resp: 346987
Ion Ratio Lower Upper
168 100
99 62.3 53.0 79.6



#3
Chloromethane
Concen: Below Cal
RT: 2.377 min Scan# 72
Delta R.T. 0.006 min
Lab File: VN078360.D
Acq: 22 Jun 2023 19:16

Tgt Ion: 50 Resp: 1266
Ion Ratio Lower Upper
50 100
52 28.6 26.5 39.7

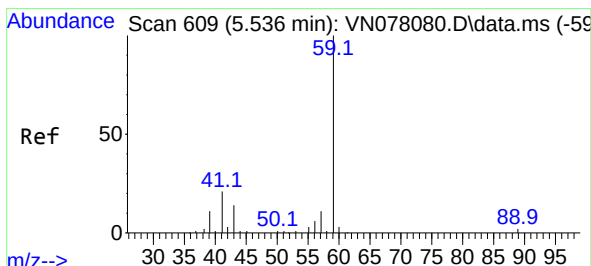
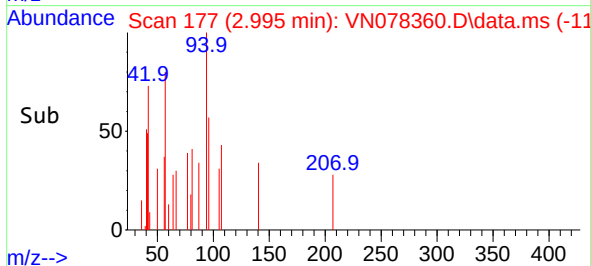
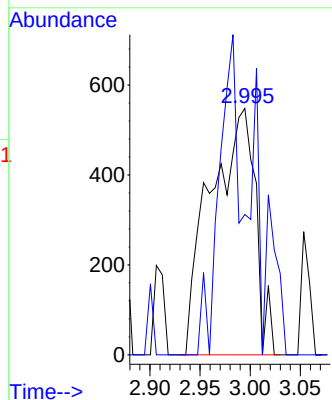
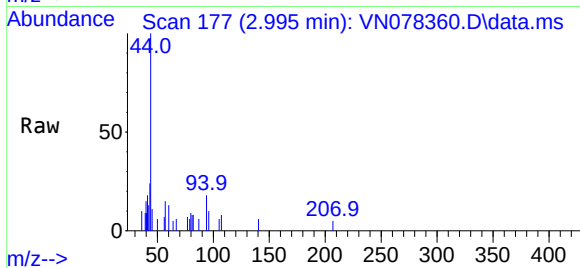




#5
Bromomethane
Concen: 0.440 ug/l
RT: 2.995 min Scan# 11
Delta R.T. 0.041 min
Lab File: VN078360.D
Acq: 22 Jun 2023 19:16

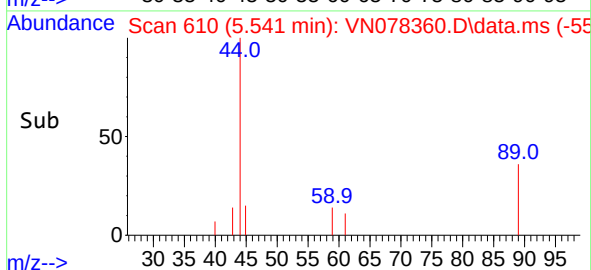
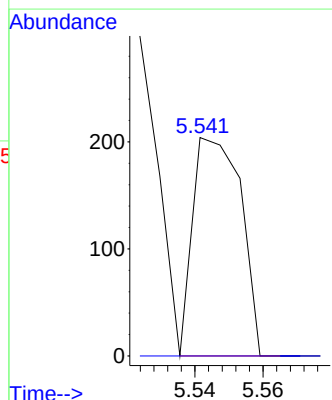
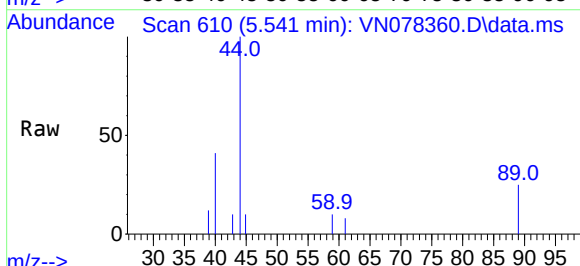
Instrument :
MSVOA_N
ClientSampleId :
IBLK

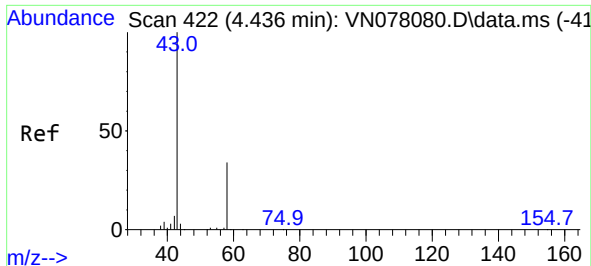
Tgt Ion: 94 Resp: 1707
Ion Ratio Lower Upper
94 100
96 56.9 73.1 109.7#



#11
Tert butyl alcohol
Concen: 0.313 ug/l
RT: 5.541 min Scan# 610
Delta R.T. 0.006 min
Lab File: VN078360.D
Acq: 22 Jun 2023 19:16

Tgt Ion: 59 Resp: 200
Ion Ratio Lower Upper
59 100
57 0.0 8.2 12.4#

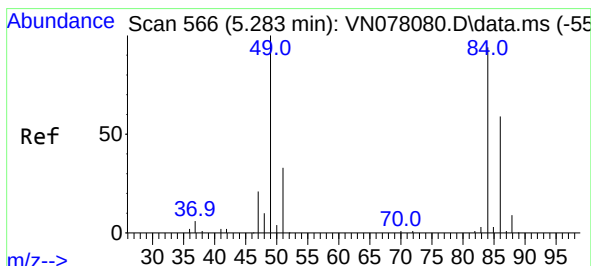
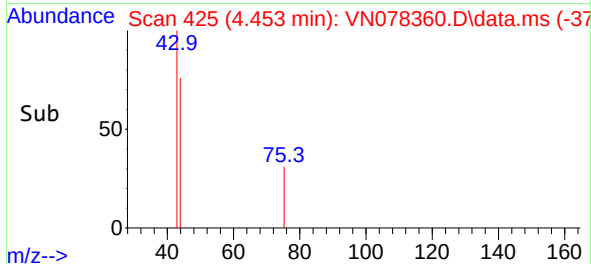
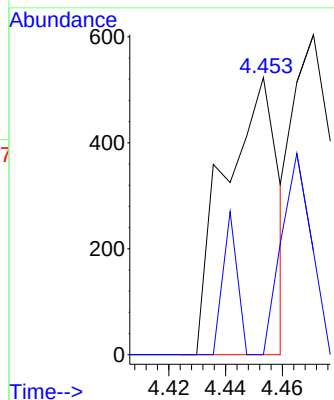
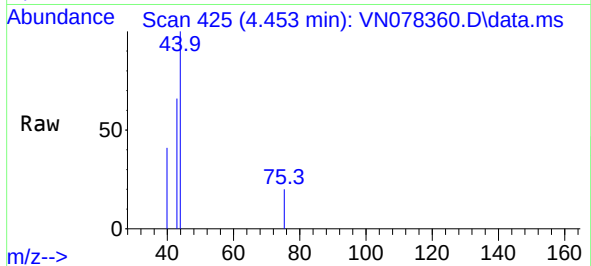




#16
Acetone
Concen: 0.514 ug/l
RT: 4.453 min Scan# 41
Delta R.T. 0.018 min
Lab File: VN078360.D
Acq: 22 Jun 2023 19:16

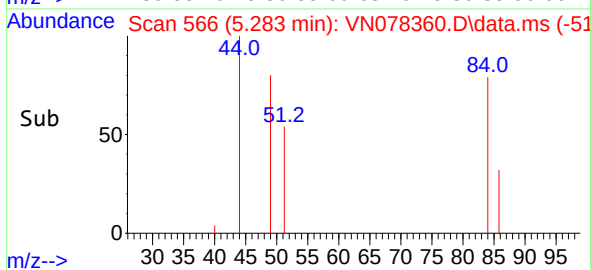
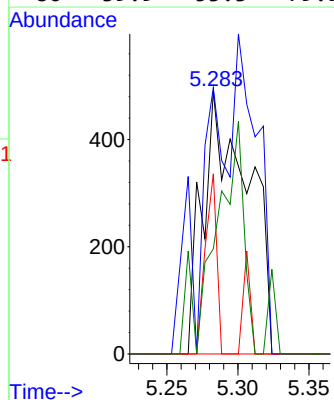
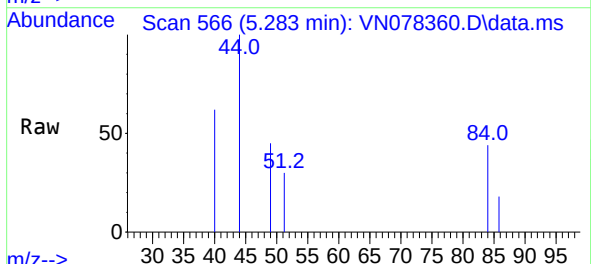
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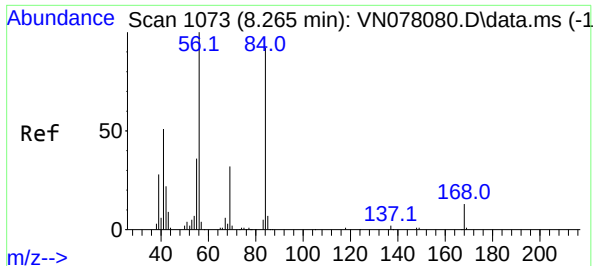
Tgt Ion: 43 Resp: 685
Ion Ratio Lower Upper
43 100
58 0.0 28.0 42.0#



#20
Methylene Chloride
Concen: 0.246 ug/l
RT: 5.283 min Scan# 566
Delta R.T. -0.000 min
Lab File: VN078360.D
Acq: 22 Jun 2023 19:16

Tgt Ion: 84 Resp: 1081
Ion Ratio Lower Upper
84 100
49 101.2 79.7 119.5
51 68.4 25.2 37.8#
86 39.9 53.3 79.9#

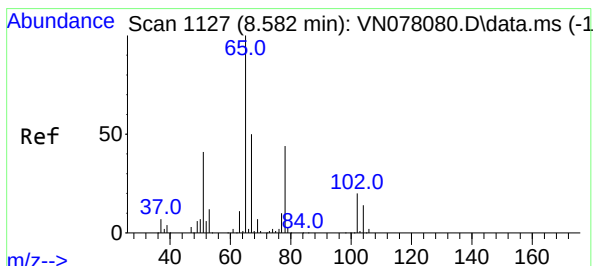
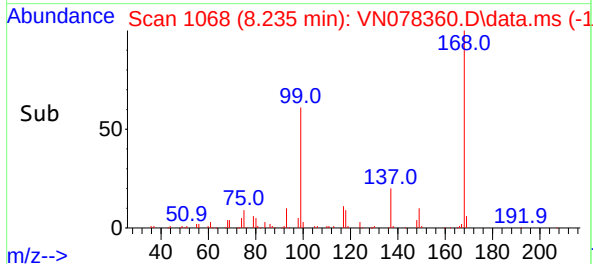
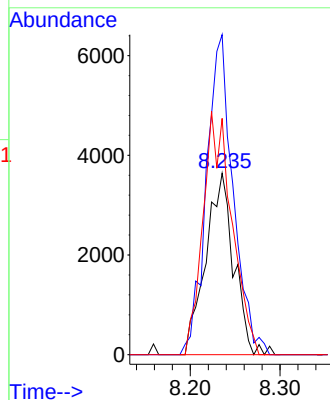
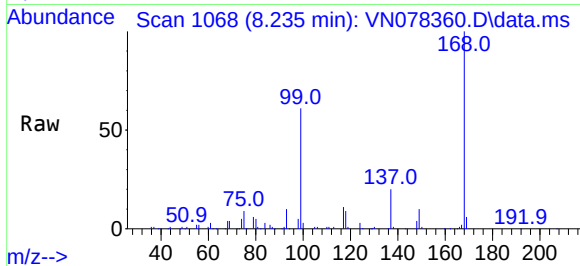




#31
Cyclohexane
Concen: 1.338 ug/l
RT: 8.235 min Scan# 1068
Delta R.T. -0.029 min
Lab File: VN078360.D
Acq: 22 Jun 2023 19:16

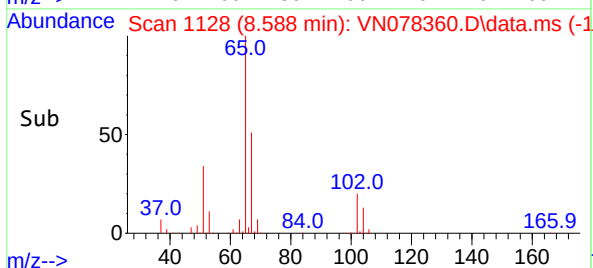
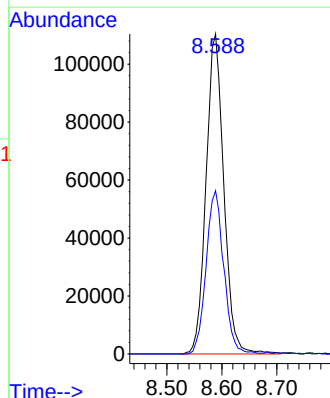
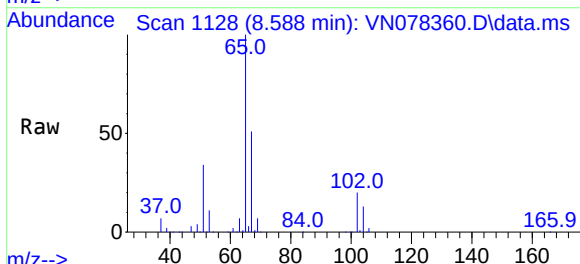
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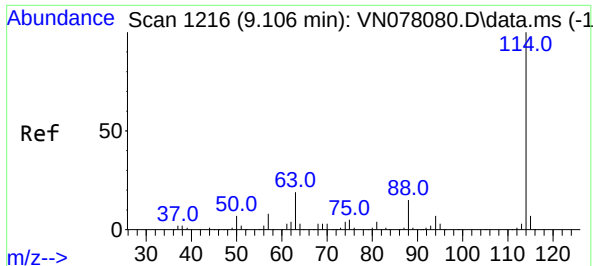
Tgt Ion: 56 Resp: 7942
Ion Ratio Lower Upper
56 100
69 176.4 26.8 40.2#
84 130.3 81.8 122.6#



#33
1,2-Dichloroethane-d4
Concen: 53.573 ug/l
RT: 8.588 min Scan# 1128
Delta R.T. 0.006 min
Lab File: VN078360.D
Acq: 22 Jun 2023 19:16

Tgt Ion: 65 Resp: 247849
Ion Ratio Lower Upper
65 100
67 50.8 0.0 106.6

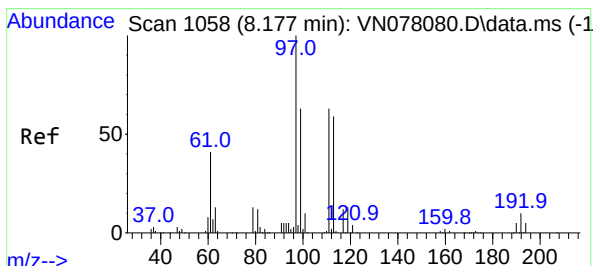
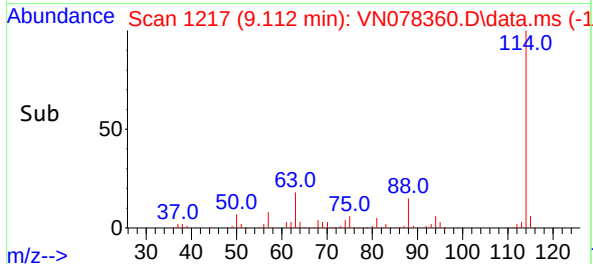
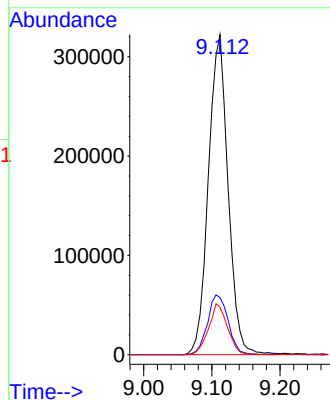
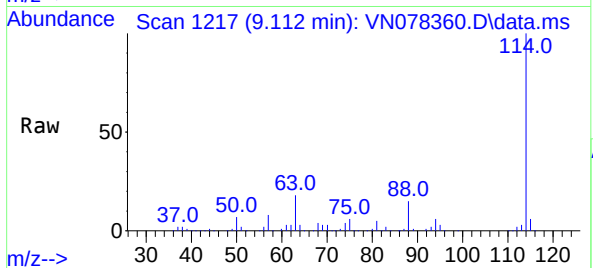




#34
1,4-Difluorobenzene
Concen: 50.000 ug/l
RT: 9.112 min Scan# 114
Delta R.T. 0.006 min
Lab File: VN078360.D
Acq: 22 Jun 2023 19:16

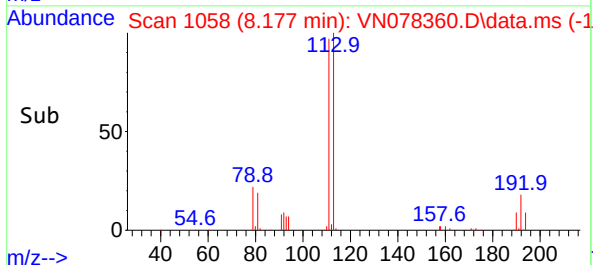
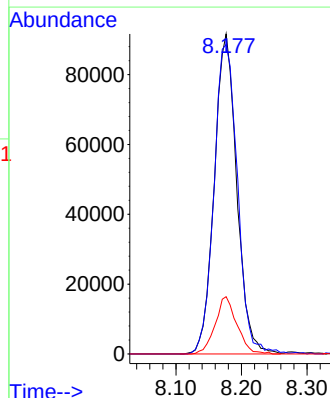
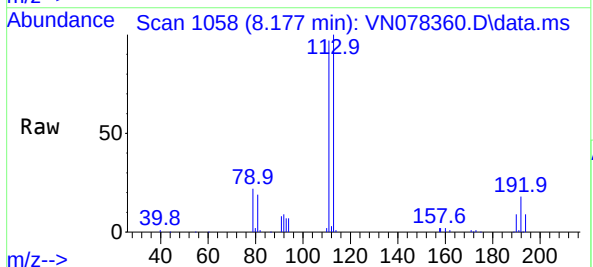
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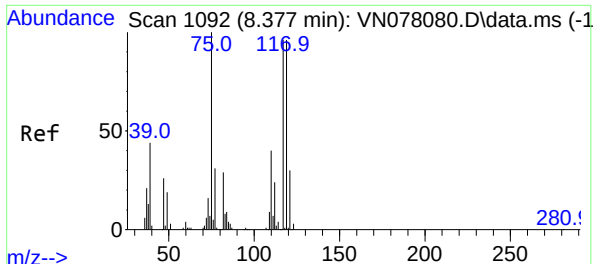
Tgt Ion:114 Resp: 646919
Ion Ratio Lower Upper
114 100
63 17.8 0.0 36.4
88 14.8 0.0 30.6



#35
Dibromofluoromethane
Concen: 53.191 ug/l
RT: 8.177 min Scan# 1058
Delta R.T. 0.000 min
Lab File: VN078360.D
Acq: 22 Jun 2023 19:16

Tgt Ion:113 Resp: 217571
Ion Ratio Lower Upper
113 100
111 101.4 82.6 123.8
192 17.3 12.7 19.1

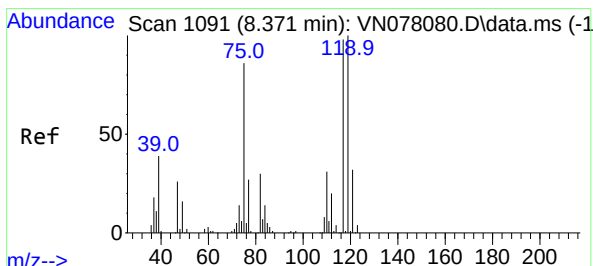
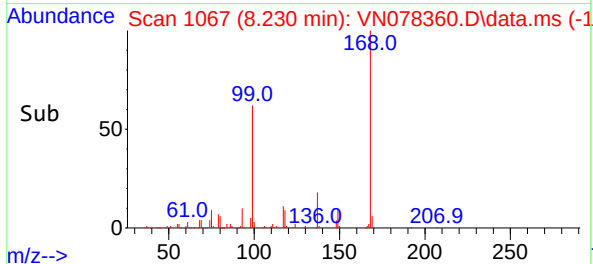
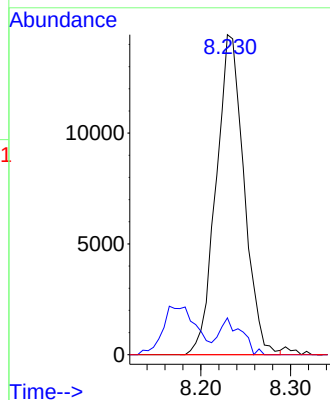
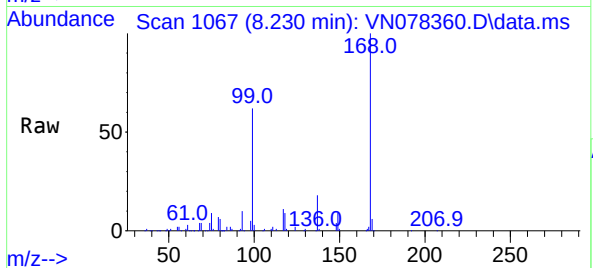




#36
1,1-Dichloropropene
Concen: 5.308 ug/l
RT: 8.230 min Scan# 1067
Delta R.T. -0.147 min
Lab File: VN078360.D
Acq: 22 Jun 2023 19:16

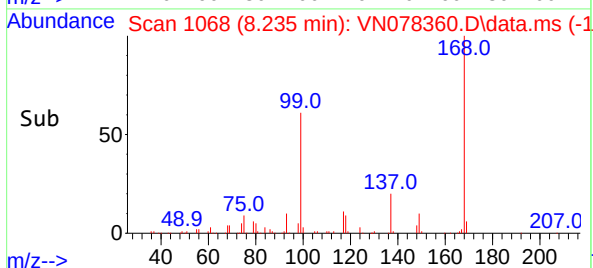
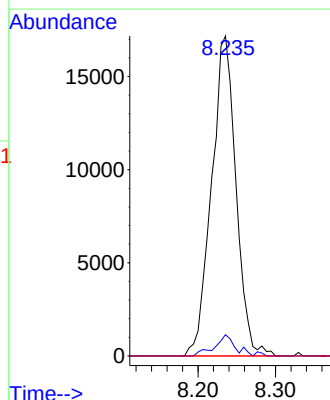
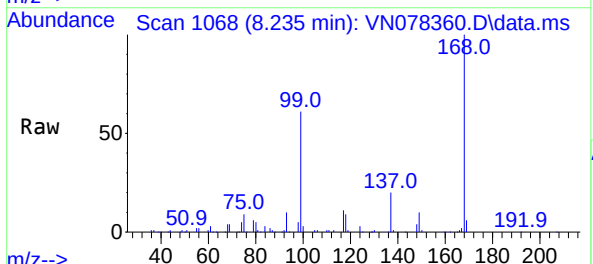
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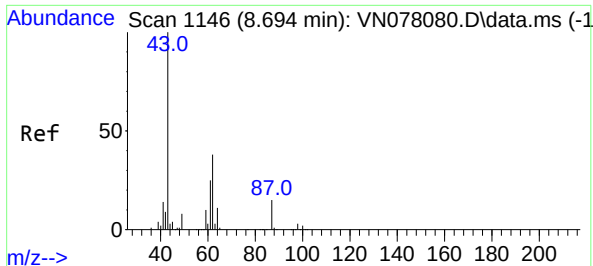
Tgt Ion: 75 Resp: 31143
Ion Ratio Lower Upper
75 100
110 9.1 19.1 57.3#
77 0.0 25.0 37.4#



#38
Carbon Tetrachloride
Concen: 6.071 ug/l
RT: 8.235 min Scan# 1068
Delta R.T. -0.135 min
Lab File: VN078360.D
Acq: 22 Jun 2023 19:16

Tgt Ion: 117 Resp: 37610
Ion Ratio Lower Upper
117 100
119 6.7 77.3 115.9#
121 0.0 23.3 34.9#

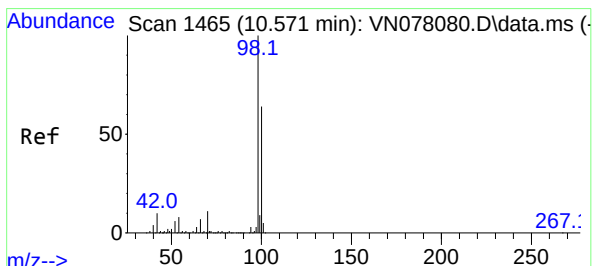
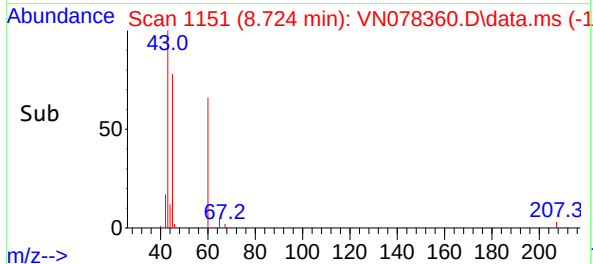
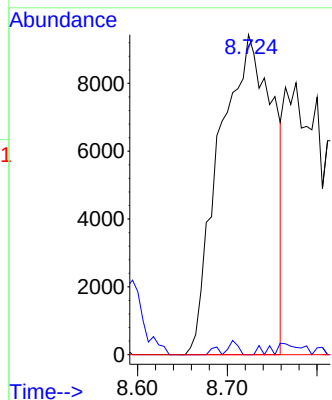
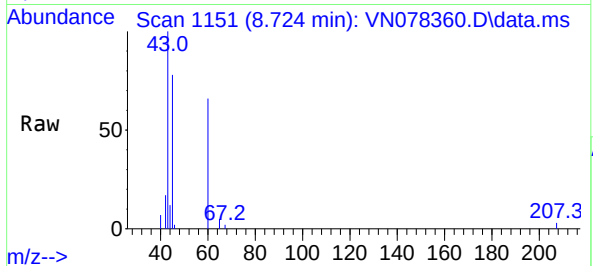




#43
Isopropyl Acetate
Concen: 4.471 ug/l
RT: 8.724 min Scan# 1151
Delta R.T. 0.029 min
Lab File: VN078360.D
Acq: 22 Jun 2023 19:16

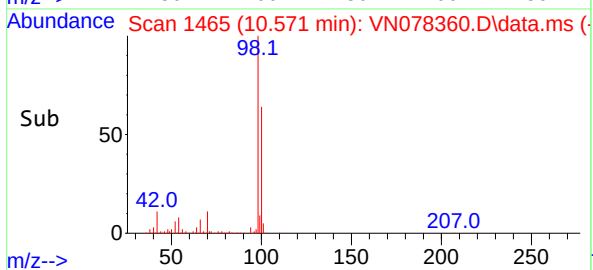
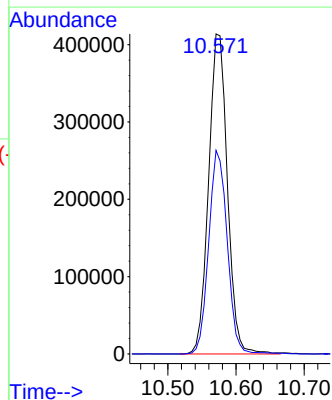
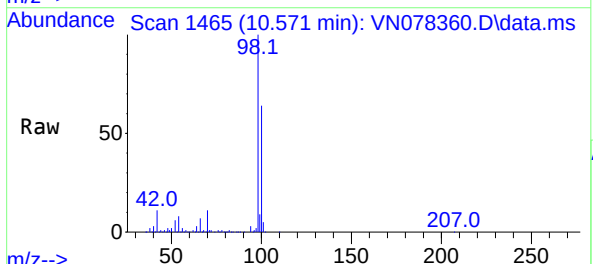
Instrument :
MSVOA_N
ClientSampleId :
IBLK

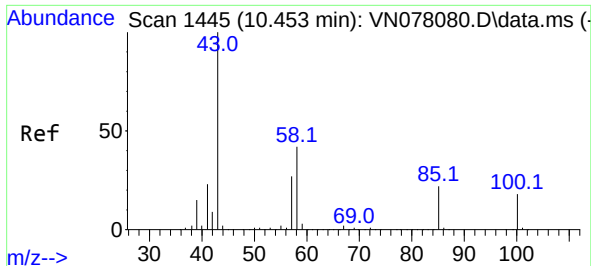
Tgt Ion: 43 Resp: 39188
Ion Ratio Lower Upper
43 100
61 0.7 24.7 37.1#
87 0.0 14.6 21.8#



#50
Toluene-d8
Concen: 50.355 ug/l
RT: 10.571 min Scan# 1465
Delta R.T. 0.000 min
Lab File: VN078360.D
Acq: 22 Jun 2023 19:16

Tgt Ion: 98 Resp: 794045
Ion Ratio Lower Upper
98 100
100 62.8 52.0 78.0

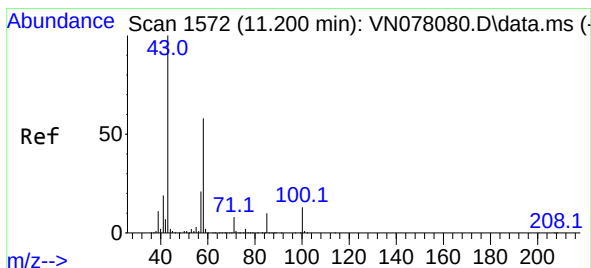
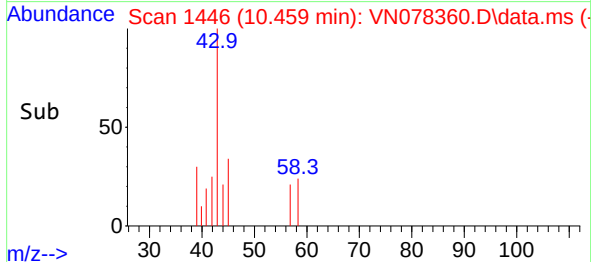
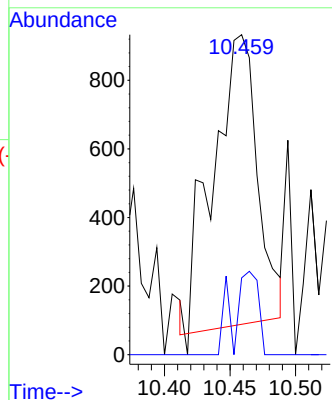
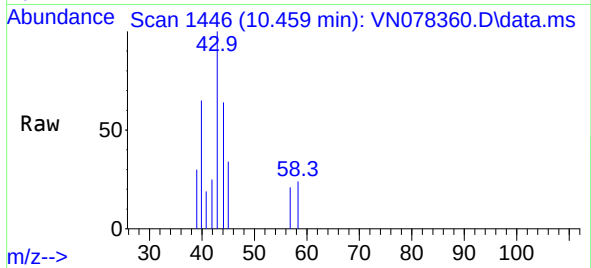




#51
4-Methyl-2-Pentanone
Concen: 0.432 ug/l
RT: 10.459 min Scan# 1446
Delta R.T. 0.006 min
Lab File: VN078360.D
Acq: 22 Jun 2023 19:16

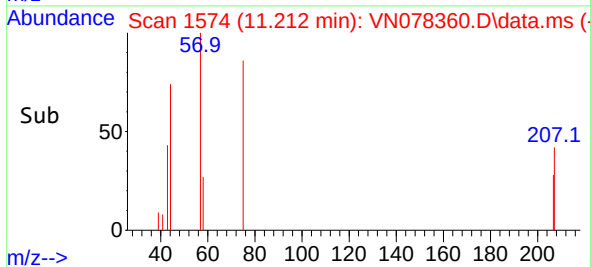
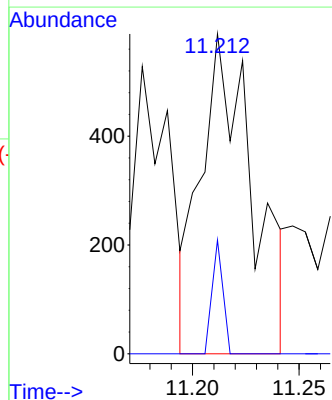
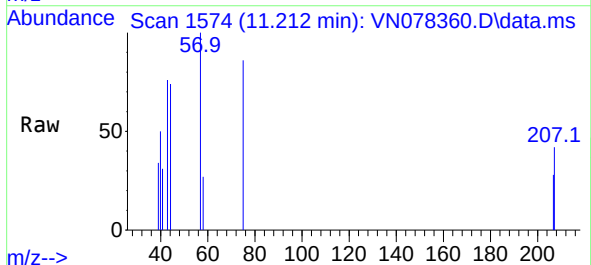
Instrument :
MSVOA_N
ClientSampleId :
IBLK

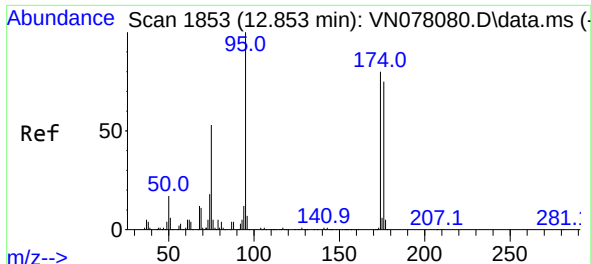
Tgt Ion: 43 Resp: 1992
Ion Ratio Lower Upper
43 100
58 16.2 36.6 54.8#



#59
2-Hexanone
Concen: 0.309 ug/l
RT: 11.212 min Scan# 1574
Delta R.T. 0.012 min
Lab File: VN078360.D
Acq: 22 Jun 2023 19:16

Tgt Ion: 43 Resp: 992
Ion Ratio Lower Upper
43 100
58 7.5 31.7 95.1#

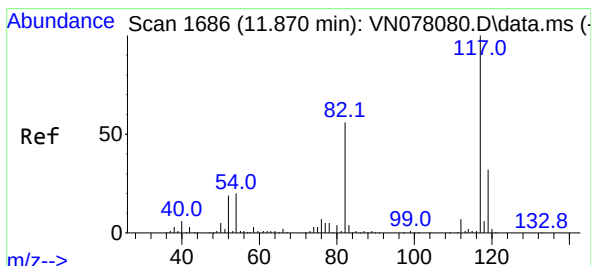
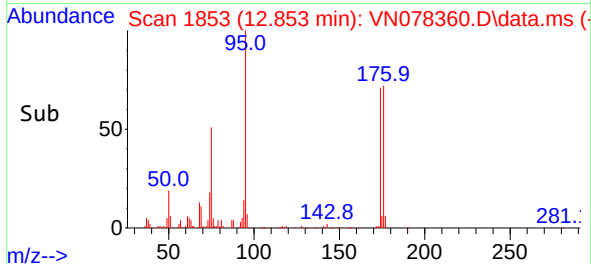
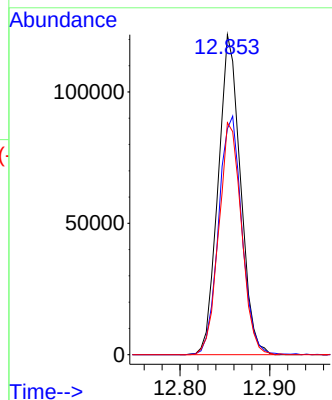
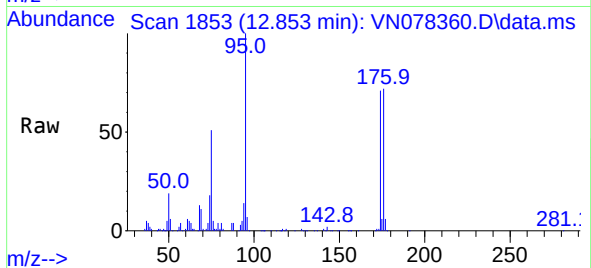




#62
4-Bromofluorobenzene
Concen: 42.851 ug/l
RT: 12.853 min Scan# 1853
Delta R.T. 0.000 min
Lab File: VN078360.D
Acq: 22 Jun 2023 19:16

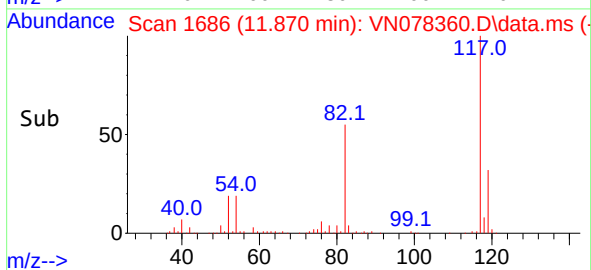
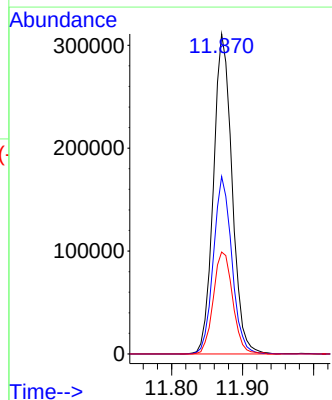
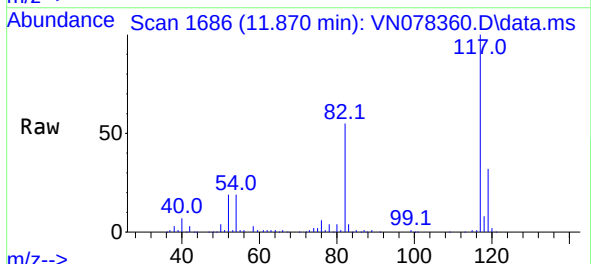
Instrument :
MSVOA_N
ClientSampleId :
IBLK

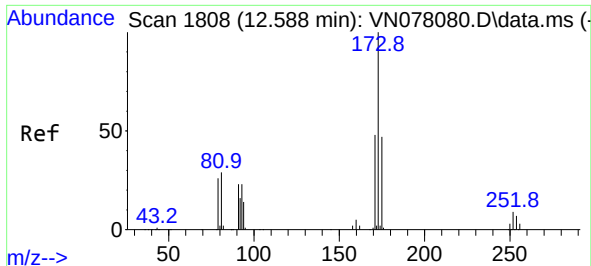
Tgt Ion: 95 Resp: 210063
Ion Ratio Lower Upper
95 100
174 78.1 0.0 143.8
176 73.7 0.0 135.8



#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.870 min Scan# 1686
Delta R.T. 0.000 min
Lab File: VN078360.D
Acq: 22 Jun 2023 19:16

Tgt Ion: 117 Resp: 565008
Ion Ratio Lower Upper
117 100
82 55.5 44.0 66.0
119 31.8 25.6 38.4

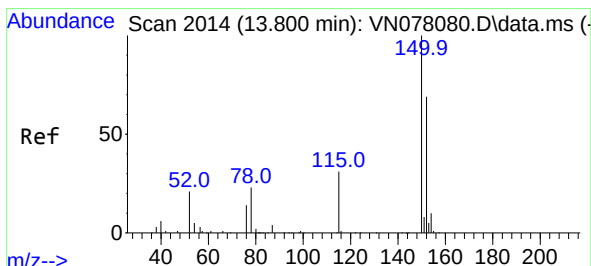
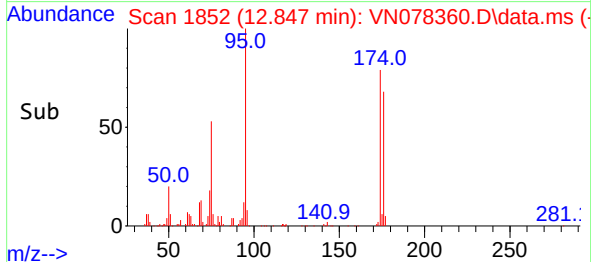
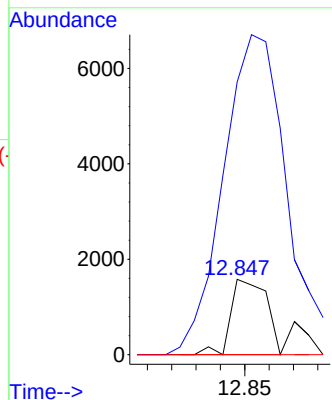
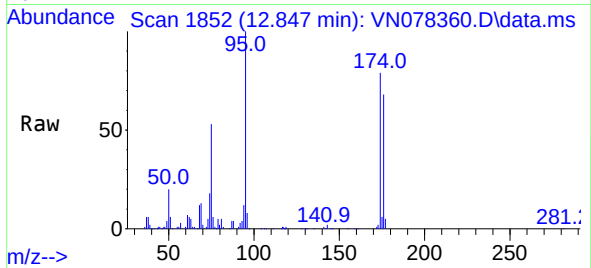




#71
Bromoform
Concen: 0.558 ug/l
RT: 12.847 min Scan# 1808
Delta R.T. 0.259 min
Lab File: VN078360.D
Acq: 22 Jun 2023 19:16

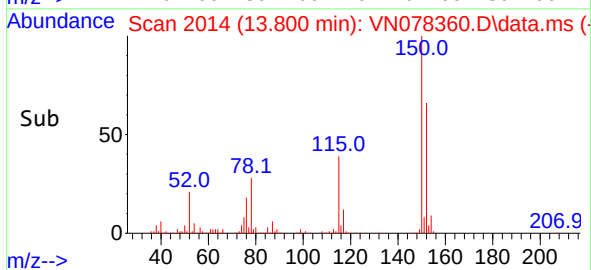
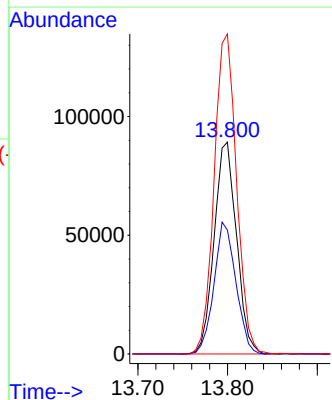
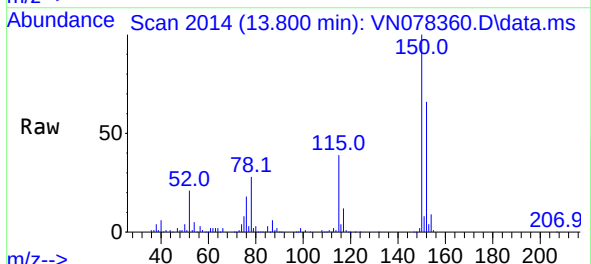
Instrument :
MSVOA_N
ClientSampleId :
IBLK

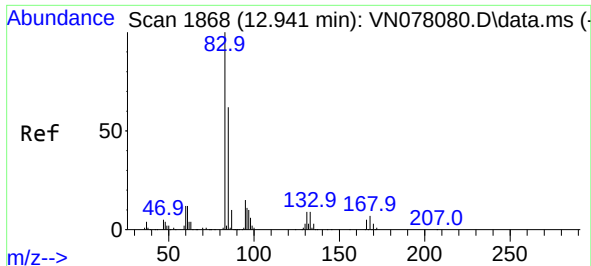
Tgt Ion:173 Resp: 1602
Ion Ratio Lower Upper
173 100
175 661.1 24.3 73.0#
254 0.0 0.0 0.0



#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 13.800 min Scan# 2014
Delta R.T. 0.000 min
Lab File: VN078360.D
Acq: 22 Jun 2023 19:16

Tgt Ion:152 Resp: 154659
Ion Ratio Lower Upper
152 100
115 60.8 32.3 96.8
150 151.1 0.0 355.8

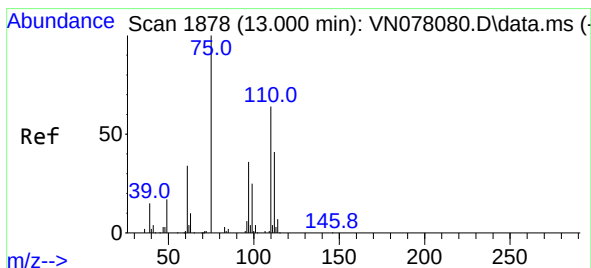
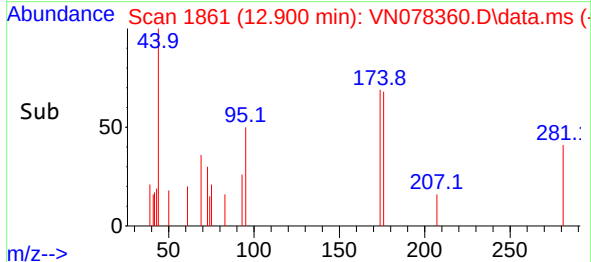
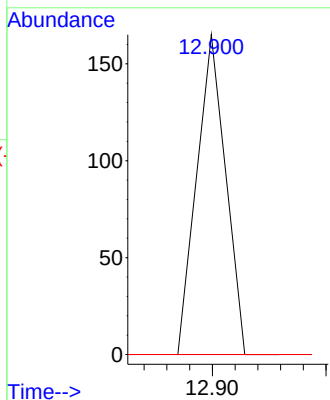
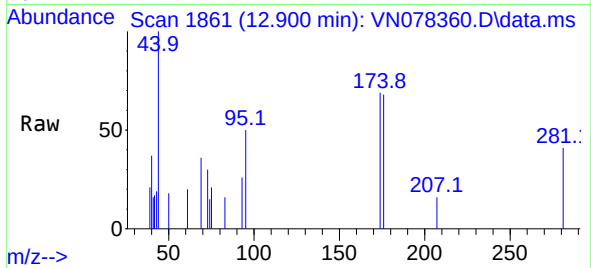




#75
1,1,2,2-Tetrachloroethane
Concen: Below Cal
RT: 12.900 min Scan# 1868
Delta R.T. -0.041 min
Lab File: VN078360.D
Acq: 22 Jun 2023 19:16

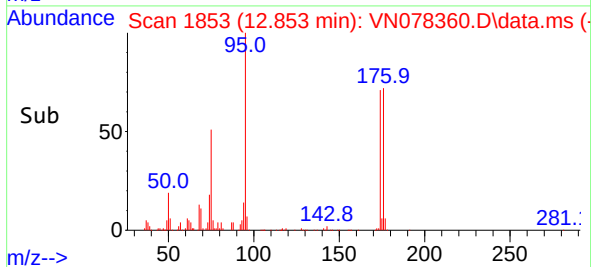
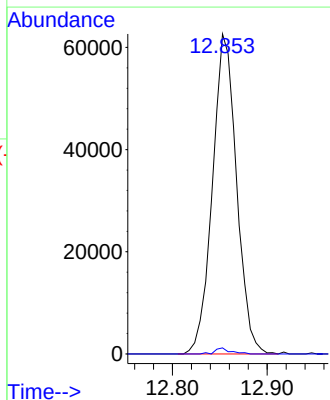
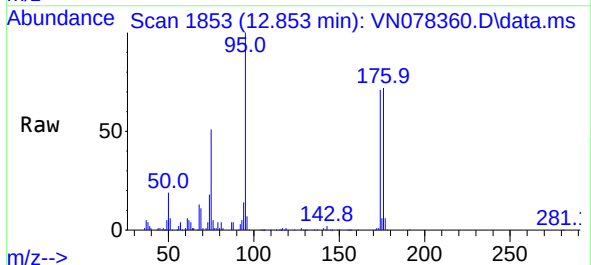
Instrument :
MSVOA_N
ClientSampleId :
IBLK

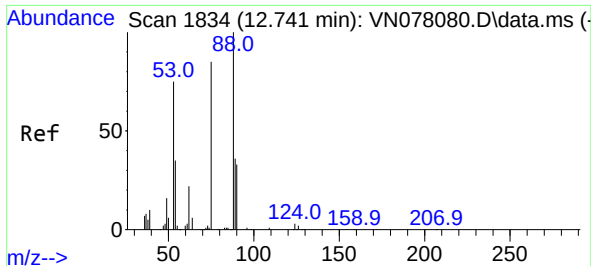
Tgt Ion: 83 Resp: 58
Ion Ratio Lower Upper
83 100
131 0.0 5.0 15.0#
85 0.0 31.9 95.7#



#76
1,2,3-Trichloropropane
Concen: 30.319 ug/l
RT: 12.853 min Scan# 1853
Delta R.T. -0.147 min
Lab File: VN078360.D
Acq: 22 Jun 2023 19:16

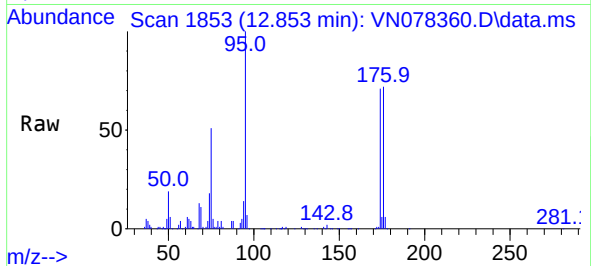
Tgt Ion: 75 Resp: 110854
Ion Ratio Lower Upper
75 100
77 1.2 84.5 253.5#





#81
 trans-1,4-Dichloro-2-butene
 Concen: 93.151 ug/l
 RT: 12.853 min Scan# 11
 Delta R.T. 0.112 min
 Lab File: VN078360.D
 Acq: 22 Jun 2023 19:16

Instrument :
 MSVOA_N
 ClientSampleId :
 IBLK



Tgt Ion: 75 Resp: 110854
 Ion Ratio Lower Upper
 75 100
 53 0.1 67.4 101.2#
 89 0.0 38.8 58.2#

