

Data Path : Z:\voasrv\HPCHEM1\MSVOA_N\Data\VN062823\
 Data File : VN078440.D
 Acq On : 28 Jun 2023 14:42
 Operator : JC\MD
 Sample : IBLK
 Misc : 5.0mL/MSVOA_N/WATER
 ALS Vial : 11 Sample Multiplier: 1

Instrument :
 MSVOA_N
 ClientSampleId :
 IBLK

Quant Time: Jun 29 05:21:08 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	8.235	168	380014	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	9.106	114	705100	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.870	117	620301	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.800	152	165137	50.000	ug/l	0.00

System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.588	65	265934	52.486	ug/l	0.00
Spiked Amount	50.000	Range	74 - 125	Recovery	= 104.980%	
35) Dibromofluoromethane	8.171	113	235659	52.859	ug/l	0.00
Spiked Amount	50.000	Range	75 - 124	Recovery	= 105.720%	
50) Toluene-d8	10.576	98	858907	49.974	ug/l	0.00
Spiked Amount	50.000	Range	86 - 113	Recovery	= 99.940%	
62) 4-Bromofluorobenzene	12.859	95	233840	43.765	ug/l	0.00
Spiked Amount	50.000	Range	83 - 123	Recovery	= 87.540%	

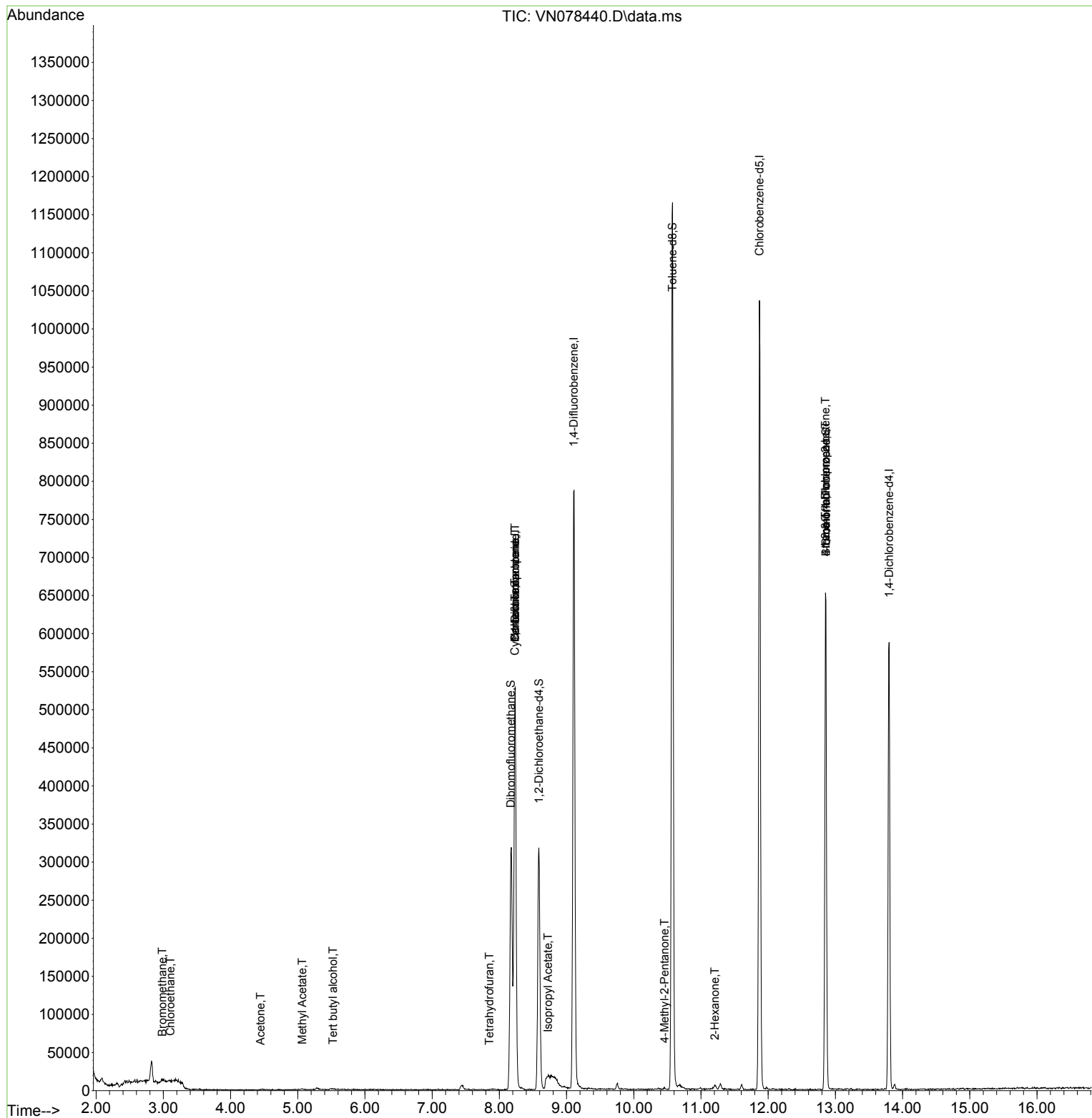
Target Compounds			Qvalue			
3) Chloromethane	2.371	50	1051	Below Cal	#	87
5) Bromomethane	2.983	94	1853	0.436	ug/l #	55
6) Chloroethane	3.106	64	802	0.209	ug/l #	43
11) Tert butyl alcohol	5.524	59	366	0.523	ug/l #	72
16) Acetone	4.447	43	980	0.672	ug/l #	40
18) Methyl Acetate	5.065	43	1836	0.273	ug/l #	53
29) Tetrahydrofuran	7.853	42	359	0.239	ug/l #	20
31) Cyclohexane	8.229	56	8933	1.374	ug/l #	42
36) 1,1-Dichloropropene	8.235	75	31787	4.971	ug/l #	50
38) Carbon Tetrachloride	8.235	117	40091	5.937	ug/l #	15
43) Isopropyl Acetate	8.724	43	18931	1.981	ug/l #	49
51) 4-Methyl-2-Pentanone	10.459	43	1978	0.393	ug/l #	78
59) 2-Hexanone	11.206	43	1897	0.542	ug/l	61
71) Bromoform	12.859	173	1615	0.512	ug/l #	1
75) 1,1,2,2-Tetrachloroethane	12.853	83	483	Below Cal	#	1
76) 1,2,3-Trichloropropane	12.853	75	121961	31.241	ug/l #	1
81) trans-1,4-Dichloro-2-b...	12.853	75	121961	95.982	ug/l #	15

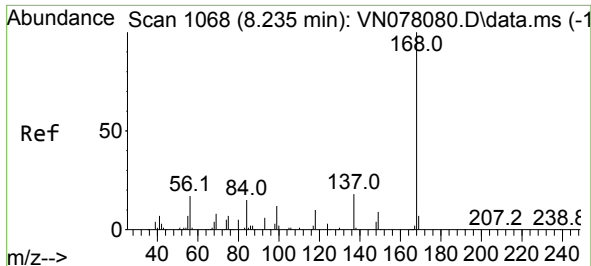
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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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

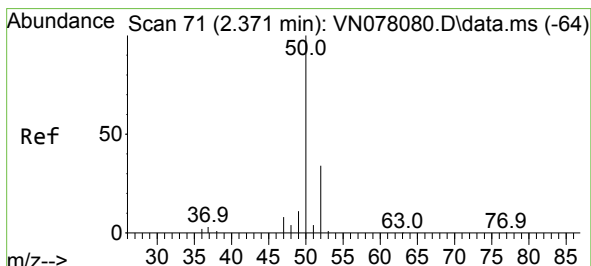
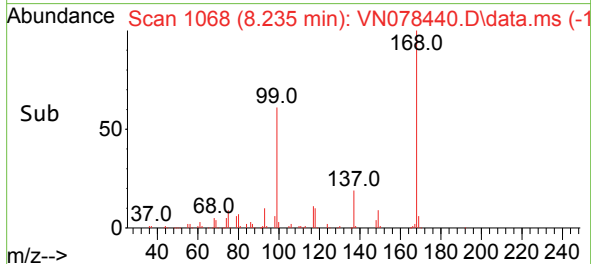
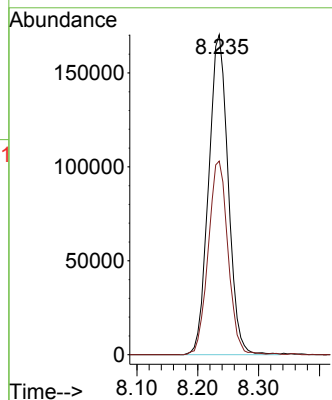
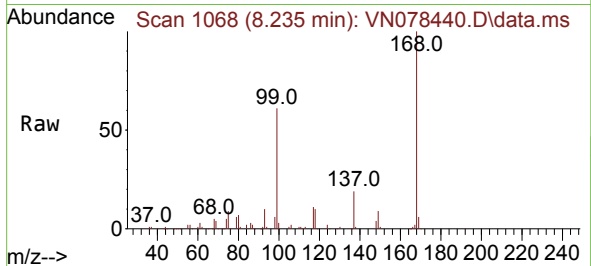




#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 8.235 min Scan# 1068
Delta R.T. 0.000 min
Lab File: VN078440.D
Acq: 28 Jun 2023 14:42

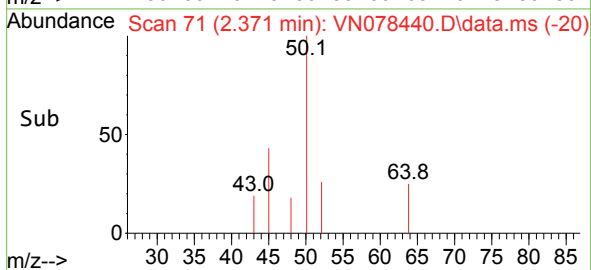
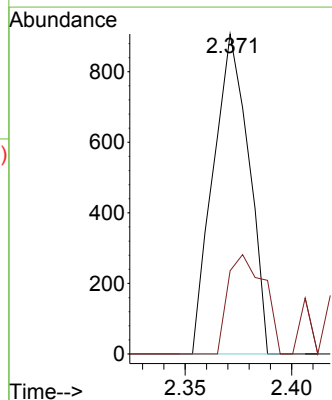
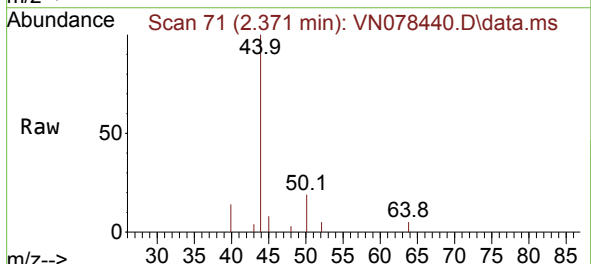
Instrument :
MSVOA_N
ClientSampleId :
IBLK

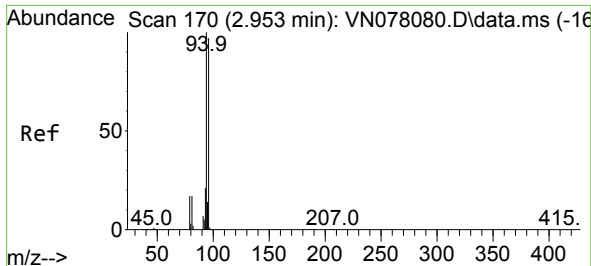
Tgt Ion:168 Resp: 380014
Ion Ratio Lower Upper
168 100
99 60.5 53.0 79.6



#3
Chloromethane
Concen: Below Cal
RT: 2.371 min Scan# 71
Delta R.T. 0.000 min
Lab File: VN078440.D
Acq: 28 Jun 2023 14:42

Tgt Ion: 50 Resp: 1051
Ion Ratio Lower Upper
50 100
52 26.0 26.5 39.7#

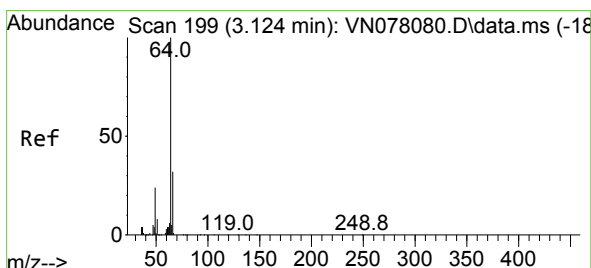
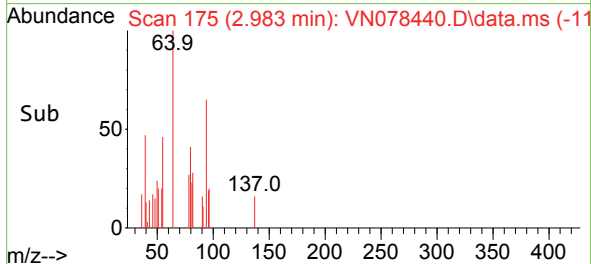
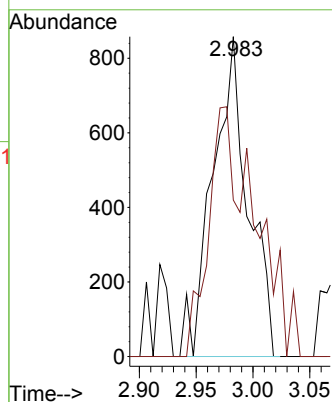
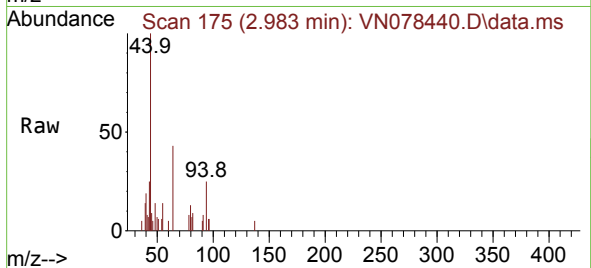




#5
Bromomethane
Concen: 0.436 ug/l
RT: 2.983 min Scan# 11
Delta R.T. 0.029 min
Lab File: VN078440.D
Acq: 28 Jun 2023 14:42

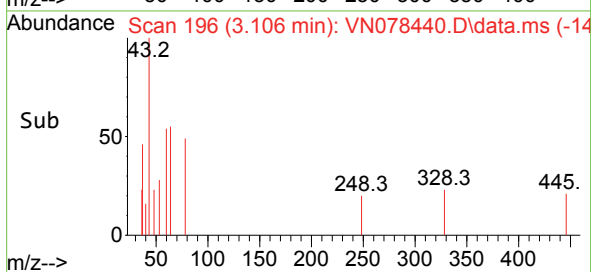
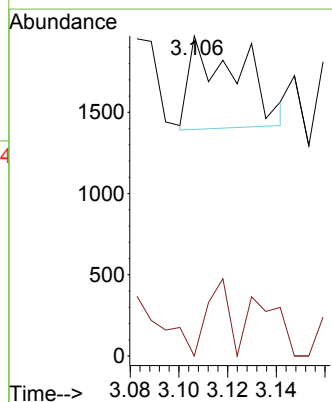
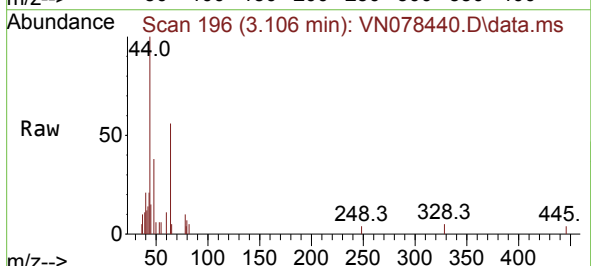
Instrument :
MSVOA_N
ClientSampleId :
IBLK

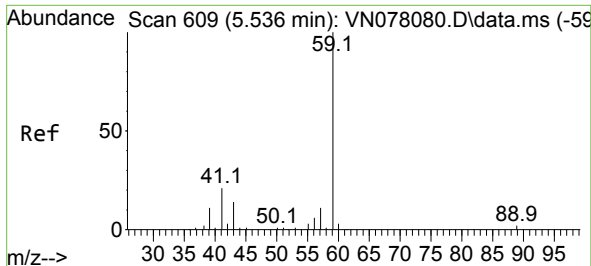
Tgt Ion: 94 Resp: 1853
Ion Ratio Lower Upper
94 100
96 49.0 73.1 109.7#



#6
Chloroethane
Concen: 0.209 ug/l
RT: 3.106 min Scan# 196
Delta R.T. -0.018 min
Lab File: VN078440.D
Acq: 28 Jun 2023 14:42

Tgt Ion: 64 Resp: 802
Ion Ratio Lower Upper
64 100
66 0.0 25.4 38.2#

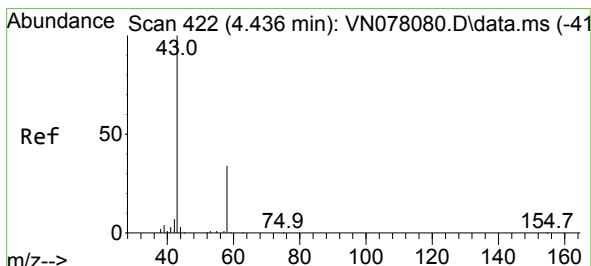
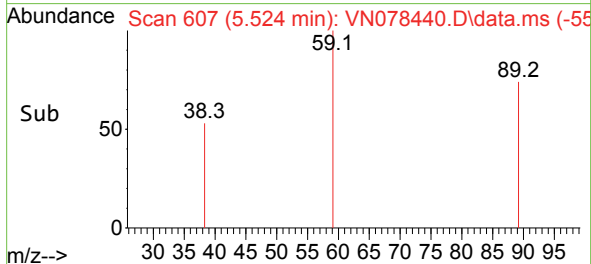
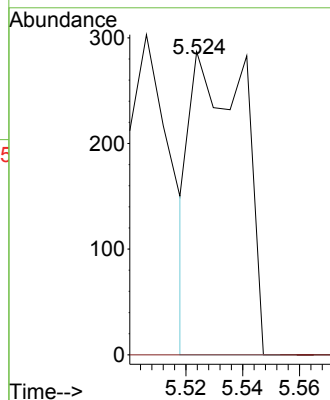
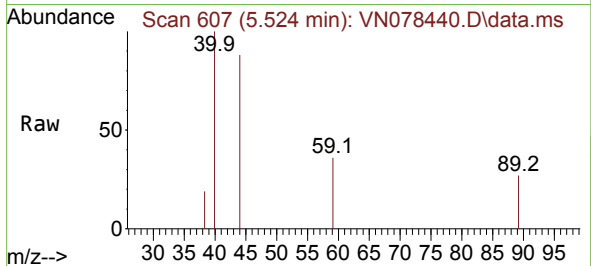




#11
Tert butyl alcohol
Concen: 0.523 ug/l
RT: 5.524 min Scan# 609
Delta R.T. -0.012 min
Lab File: VN078440.D
Acq: 28 Jun 2023 14:42

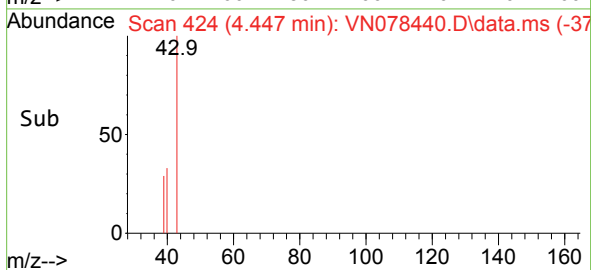
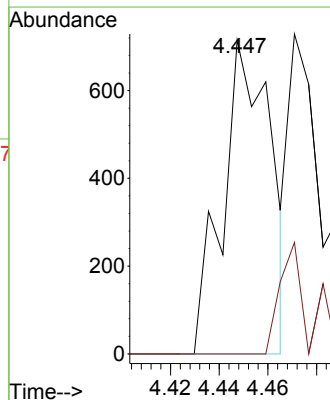
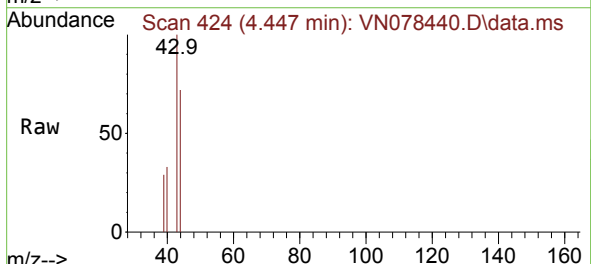
Instrument :
MSVOA_N
ClientSampleId :
IBLK

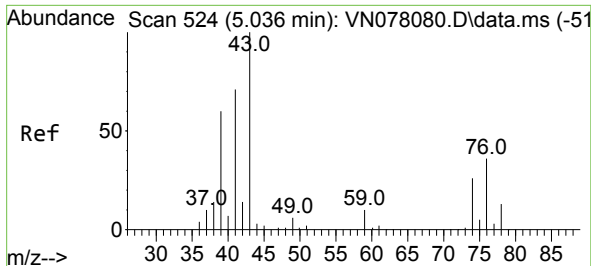
Tgt Ion: 59 Resp: 366
Ion Ratio Lower Upper
59 100
57 0.0 8.2 12.4#



#16
Acetone
Concen: 0.672 ug/l
RT: 4.447 min Scan# 424
Delta R.T. 0.012 min
Lab File: VN078440.D
Acq: 28 Jun 2023 14:42

Tgt Ion: 43 Resp: 980
Ion Ratio Lower Upper
43 100
58 0.0 28.0 42.0#

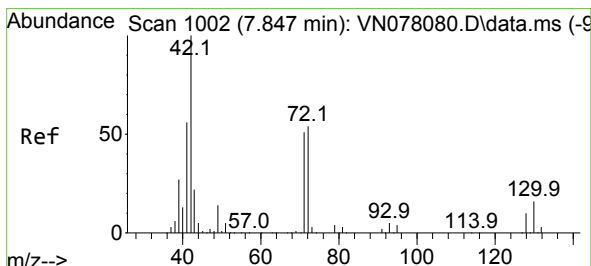
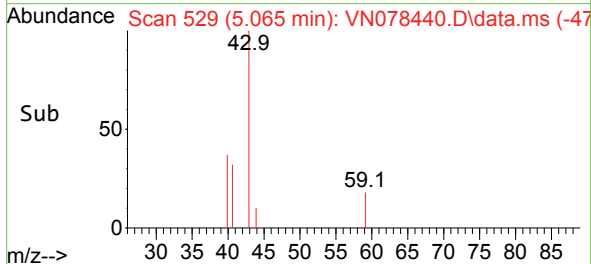
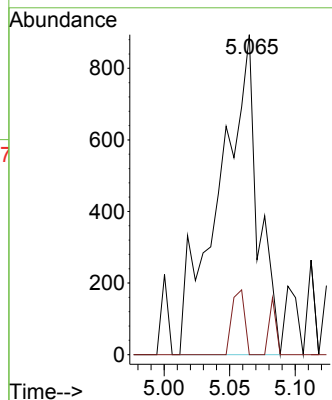
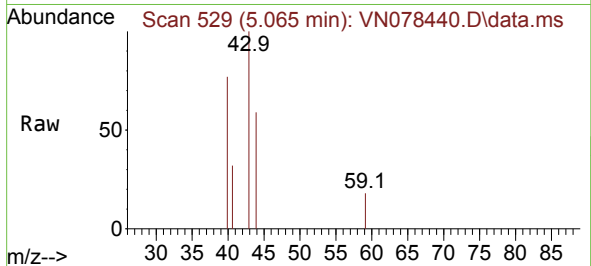




#18
Methyl Acetate
Concen: 0.273 ug/l
RT: 5.065 min Scan# 51
Delta R.T. 0.029 min
Lab File: VN078440.D
Acq: 28 Jun 2023 14:42

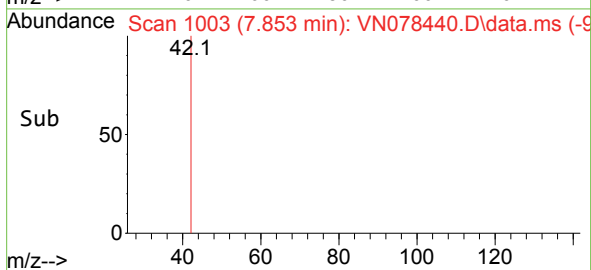
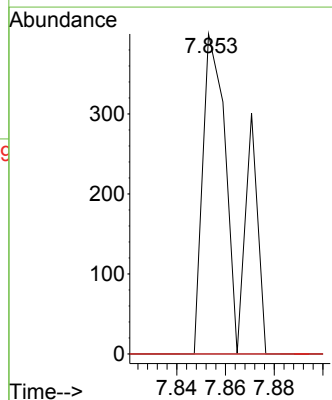
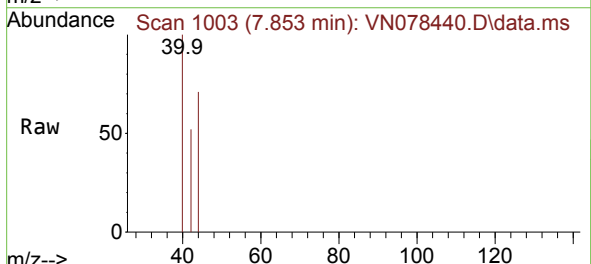
Instrument :
MSVOA_N
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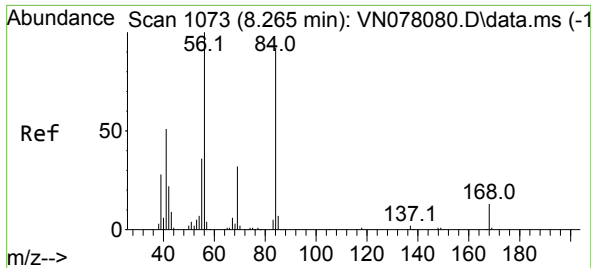
Tgt Ion: 43 Resp: 1836
Ion Ratio Lower Upper
43 100
74 6.5 26.2 39.4#



#29
Tetrahydrofuran
Concen: 0.239 ug/l
RT: 7.853 min Scan# 1003
Delta R.T. 0.006 min
Lab File: VN078440.D
Acq: 28 Jun 2023 14:42

Tgt Ion: 42 Resp: 359
Ion Ratio Lower Upper
42 100
72 0.0 49.8 74.6#
71 0.0 47.4 71.2#

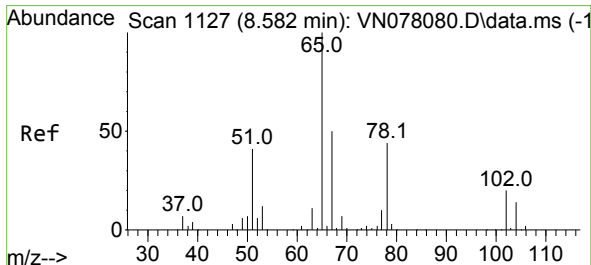
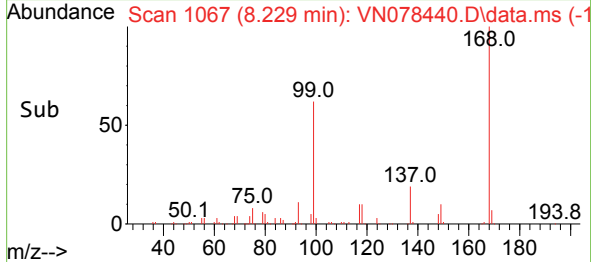
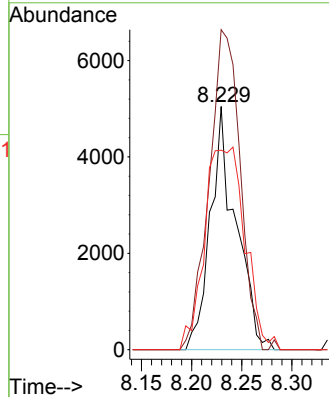
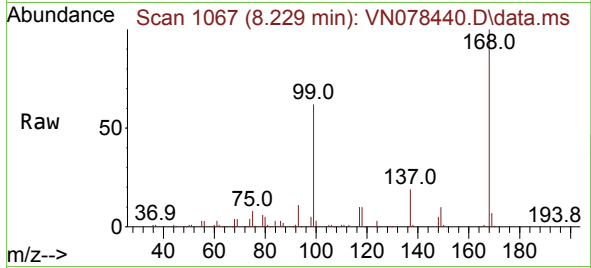




#31
Cyclohexane
Concen: 1.374 ug/l
RT: 8.229 min Scan# 1067
Delta R.T. -0.035 min
Lab File: VN078440.D
Acq: 28 Jun 2023 14:42

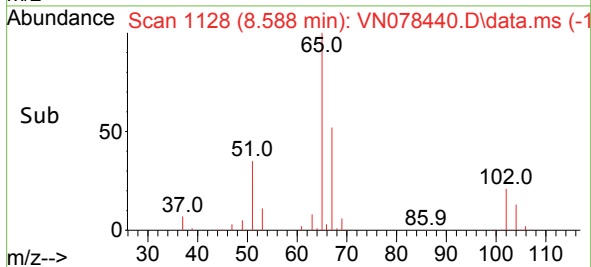
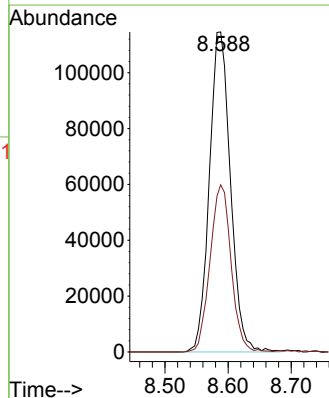
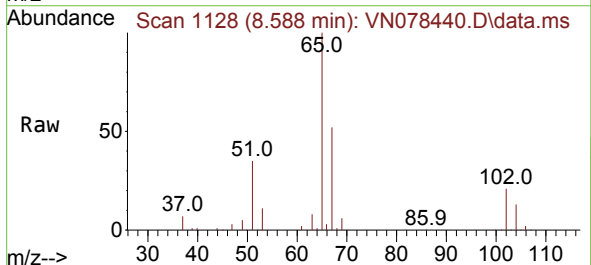
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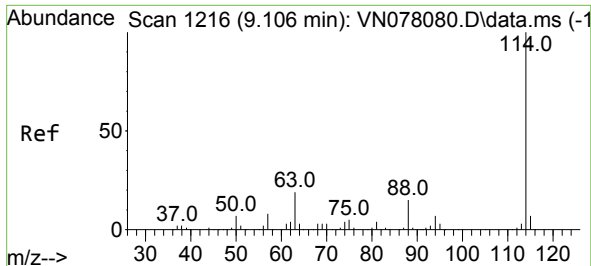
Tgt Ion: 56 Resp: 8933
Ion Ratio Lower Upper
56 100
69 131.6 26.8 40.2#
84 82.0 81.8 122.6



#33
1,2-Dichloroethane-d4
Concen: 52.486 ug/l
RT: 8.588 min Scan# 1128
Delta R.T. 0.006 min
Lab File: VN078440.D
Acq: 28 Jun 2023 14:42

Tgt Ion: 65 Resp: 265934
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# 1

Delta R.T. -0.000 min

Lab File: VN078440.D

Acq: 28 Jun 2023 14:42

Instrument :

MSVOA_N

ClientSampleId :

IBLK

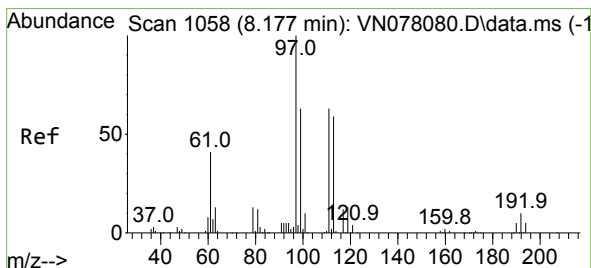
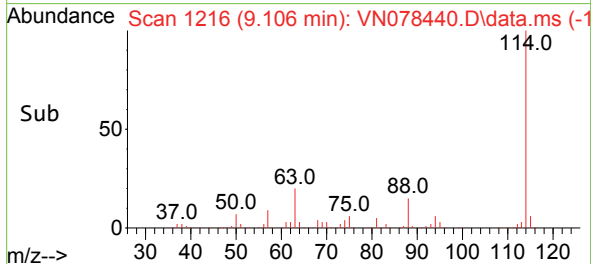
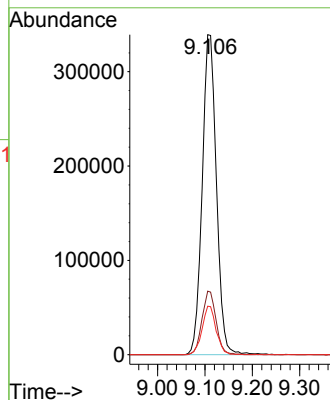
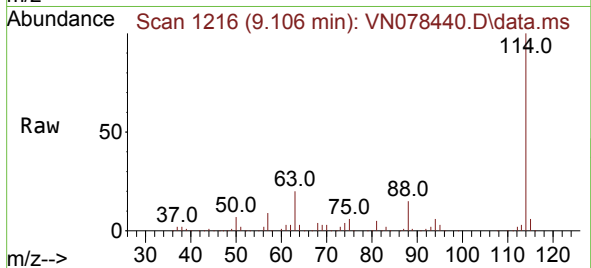
Tgt Ion:114 Resp: 705100

Ion Ratio Lower Upper

114 100

63 19.8 0.0 36.4

88 15.2 0.0 30.6



#35

Dibromofluoromethane

Concen: 52.859 ug/l

RT: 8.171 min Scan# 1057

Delta R.T. -0.006 min

Lab File: VN078440.D

Acq: 28 Jun 2023 14:42

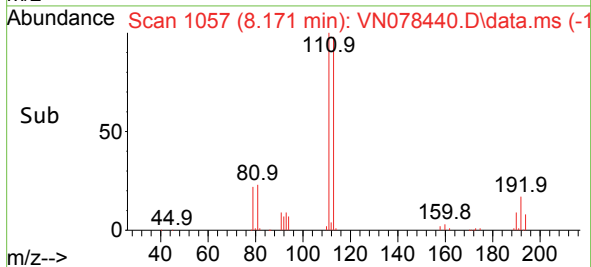
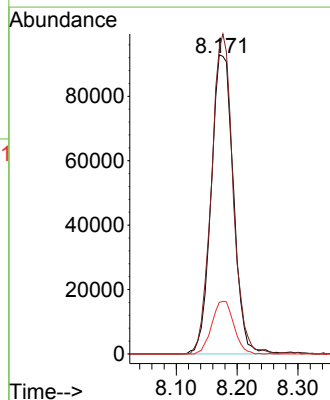
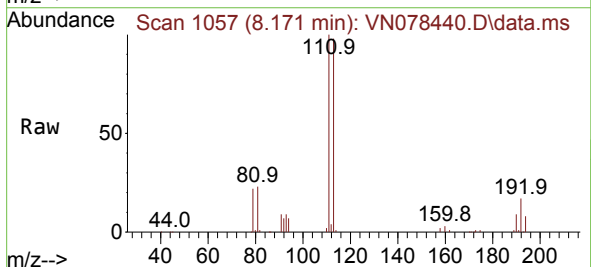
Tgt Ion:113 Resp: 235659

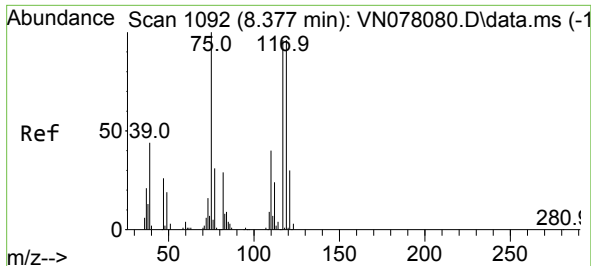
Ion Ratio Lower Upper

113 100

111 103.4 82.6 123.8

192 17.4 12.7 19.1

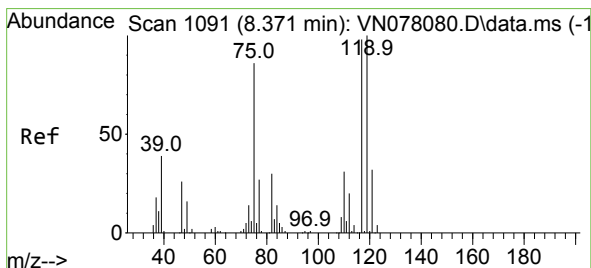
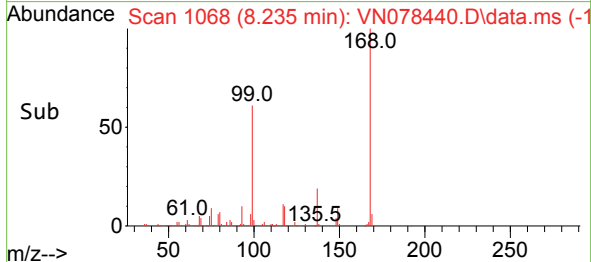
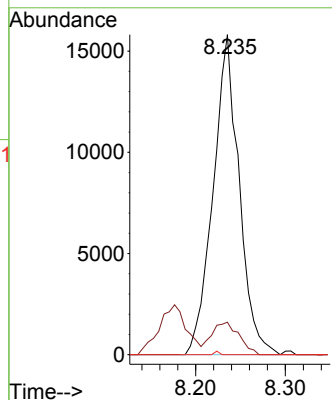
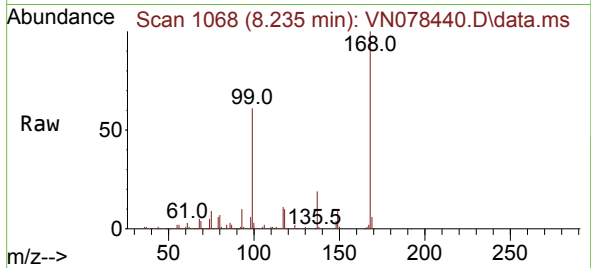




#36
1,1-Dichloropropene
Concen: 4.971 ug/l
RT: 8.235 min Scan# 1068
Delta R.T. -0.141 min
Lab File: VN078440.D
Acq: 28 Jun 2023 14:42

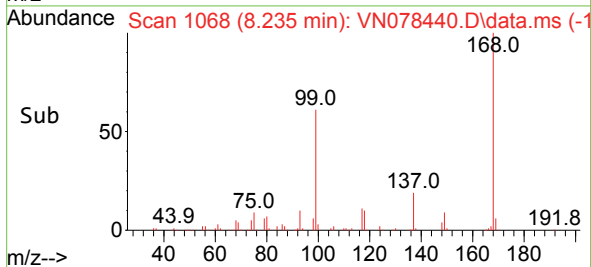
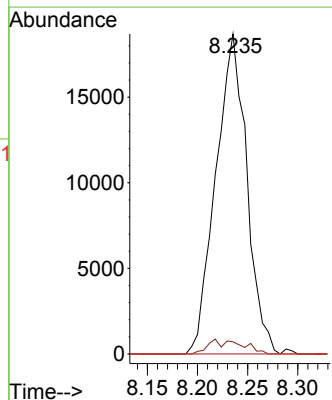
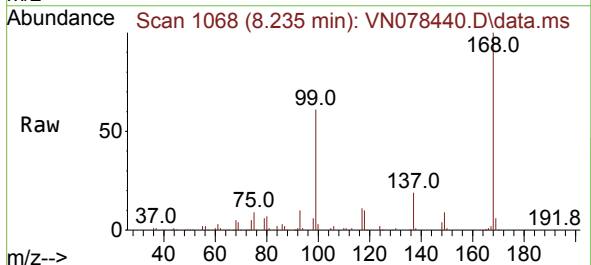
Instrument :
MSVOA_N
ClientSampleId :
IBLK

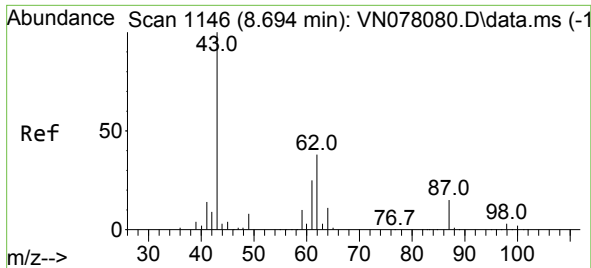
Tgt Ion: 75 Resp: 31787
Ion Ratio Lower Upper
75 100
110 10.8 19.1 57.3#
77 0.2 25.0 37.4#



#38
Carbon Tetrachloride
Concen: 5.937 ug/l
RT: 8.235 min Scan# 1068
Delta R.T. -0.135 min
Lab File: VN078440.D
Acq: 28 Jun 2023 14:42

Tgt Ion: 117 Resp: 40091
Ion Ratio Lower Upper
117 100
119 3.8 77.3 115.9#
121 0.0 23.3 34.9#

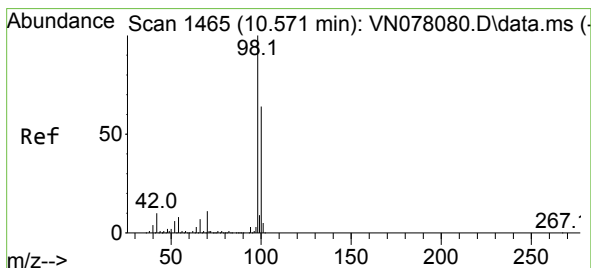
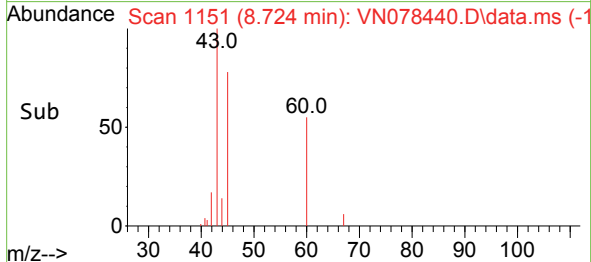
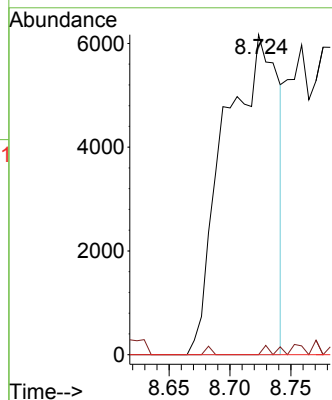
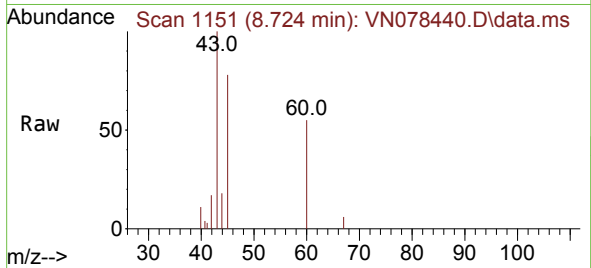




#43
Isopropyl Acetate
Concen: 1.981 ug/l
RT: 8.724 min Scan# 1151
Delta R.T. 0.029 min
Lab File: VN078440.D
Acq: 28 Jun 2023 14:42

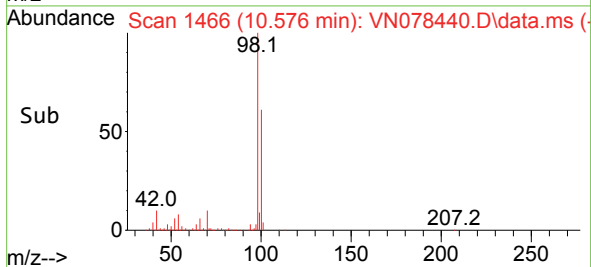
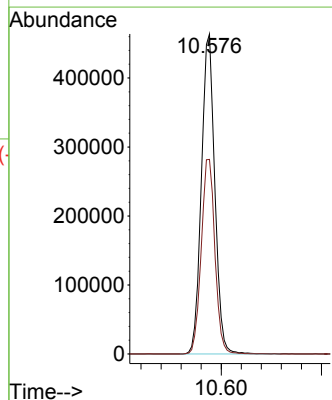
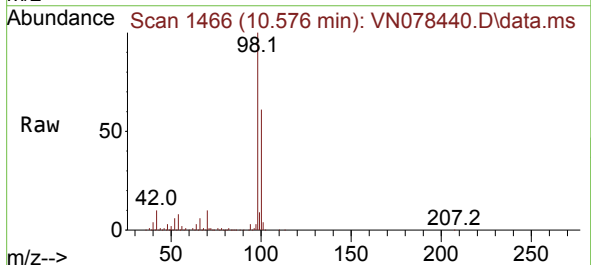
Instrument :
MSVOA_N
ClientSampleId :
IBLK

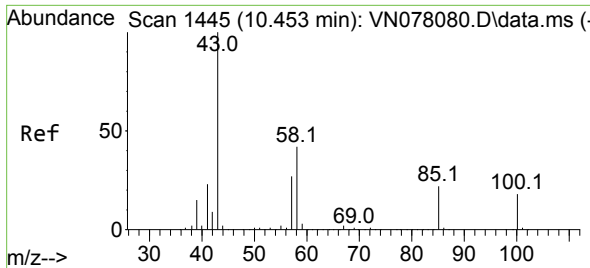
Tgt Ion: 43 Resp: 18931
Ion Ratio Lower Upper
43 100
61 0.0 24.7 37.1#
87 0.0 14.6 21.8#



#50
Toluene-d8
Concen: 49.974 ug/l
RT: 10.576 min Scan# 1466
Delta R.T. 0.006 min
Lab File: VN078440.D
Acq: 28 Jun 2023 14:42

Tgt Ion: 98 Resp: 858907
Ion Ratio Lower Upper
98 100
100 62.1 52.0 78.0

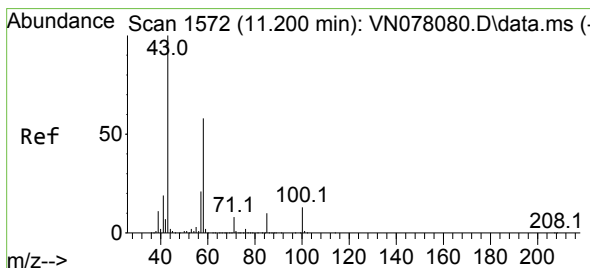
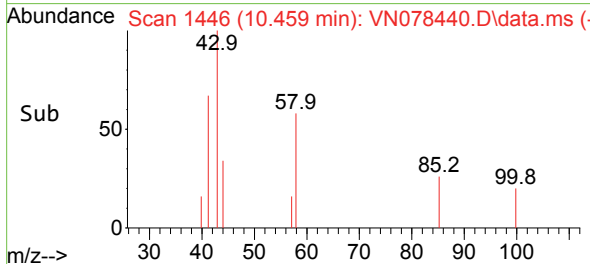
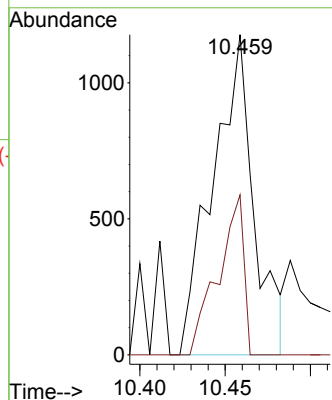
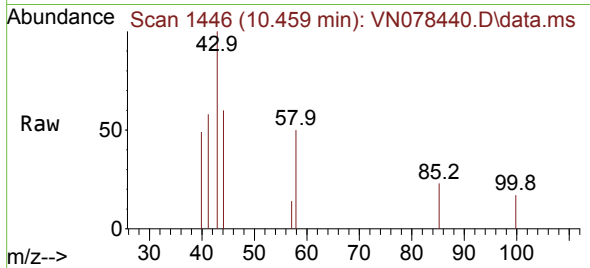




#51
4-Methyl-2-Pentanone
Concen: 0.393 ug/l
RT: 10.459 min Scan# 1446
Delta R.T. 0.006 min
Lab File: VN078440.D
Acq: 28 Jun 2023 14:42

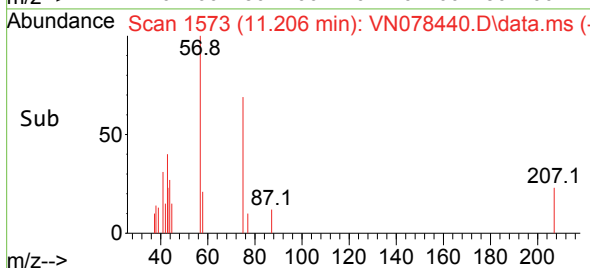
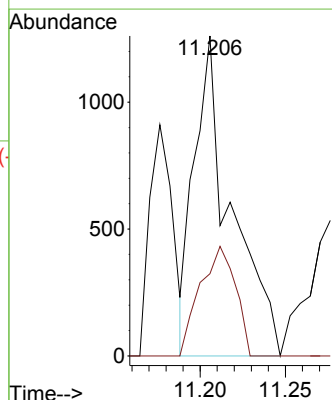
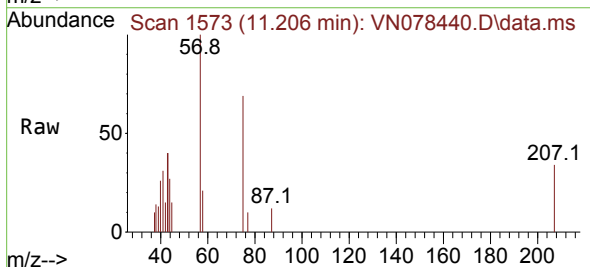
Instrument :
MSVOA_N
ClientSampleId :
IBLK

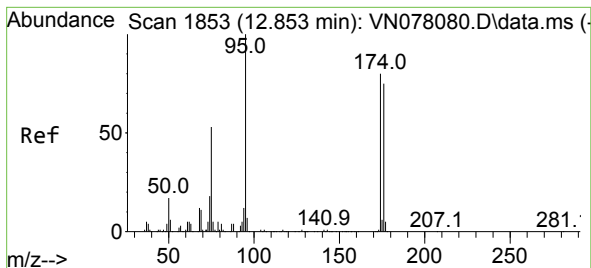
Tgt Ion: 43 Resp: 1978
Ion Ratio Lower Upper
43 100
58 31.0 36.6 54.8#



#59
2-Hexanone
Concen: 0.542 ug/l
RT: 11.206 min Scan# 1573
Delta R.T. 0.006 min
Lab File: VN078440.D
Acq: 28 Jun 2023 14:42

Tgt Ion: 43 Resp: 1897
Ion Ratio Lower Upper
43 100
58 32.9 31.7 95.1

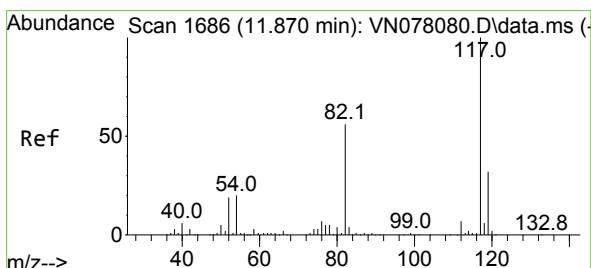
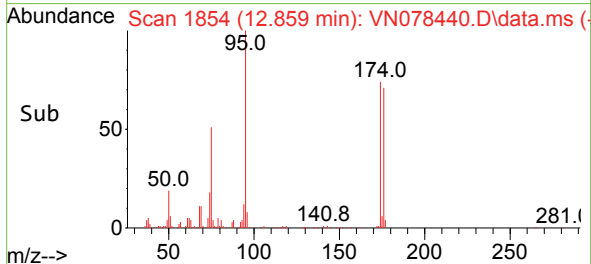
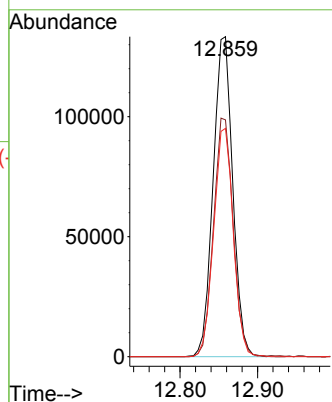
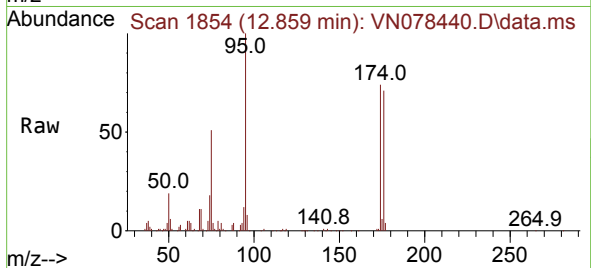




#62
4-Bromofluorobenzene
Concen: 43.765 ug/l
RT: 12.859 min Scan# 1854
Delta R.T. 0.006 min
Lab File: VN078440.D
Acq: 28 Jun 2023 14:42

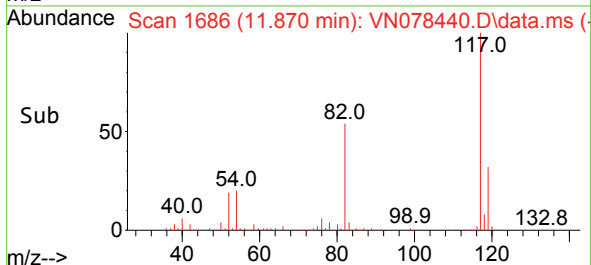
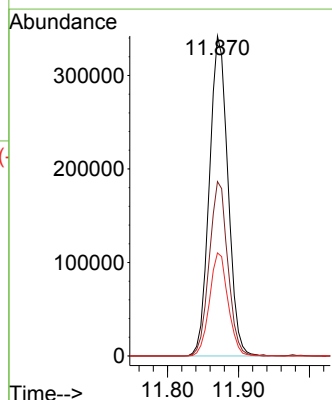
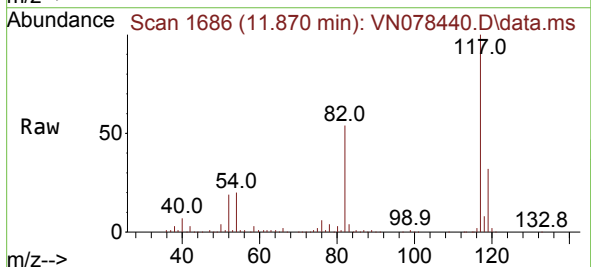
Instrument :
MSVOA_N
ClientSampleId :
IBLK

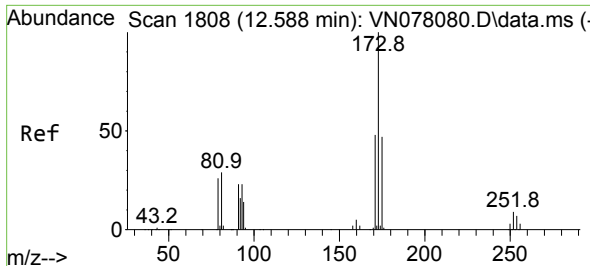
Tgt Ion: 95 Resp: 233840
Ion Ratio Lower Upper
95 100
174 74.7 0.0 143.8
176 71.5 0.0 135.8



#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.870 min Scan# 1686
Delta R.T. -0.000 min
Lab File: VN078440.D
Acq: 28 Jun 2023 14:42

Tgt Ion: 117 Resp: 620301
Ion Ratio Lower Upper
117 100
82 54.5 44.0 66.0
119 32.2 25.6 38.4

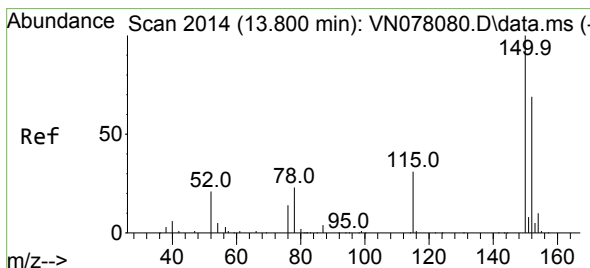
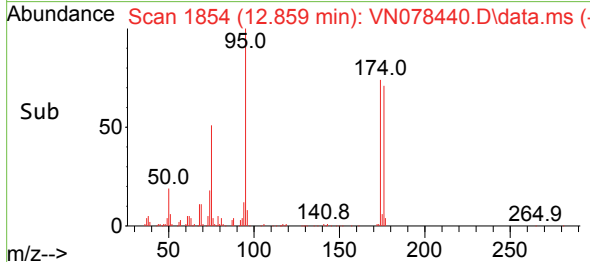
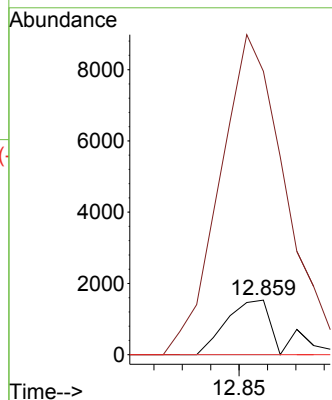
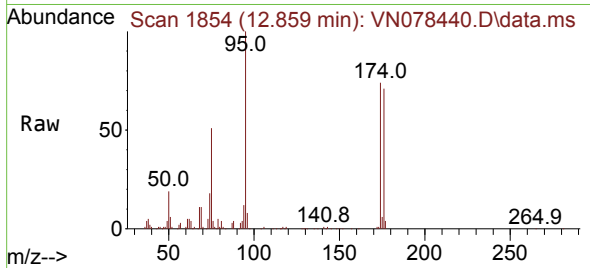




#71
Bromoform
Concen: 0.512 ug/l
RT: 12.859 min Scan# 1808
Delta R.T. 0.271 min
Lab File: VN078440.D
Acq: 28 Jun 2023 14:42

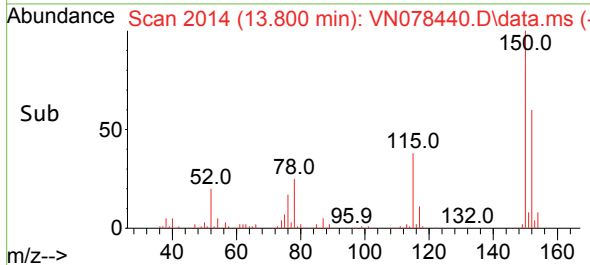
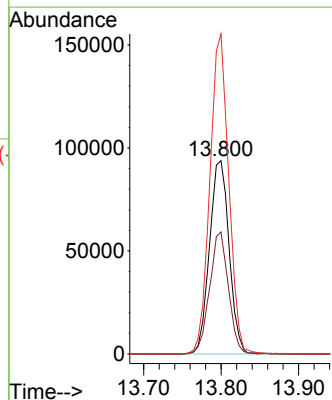
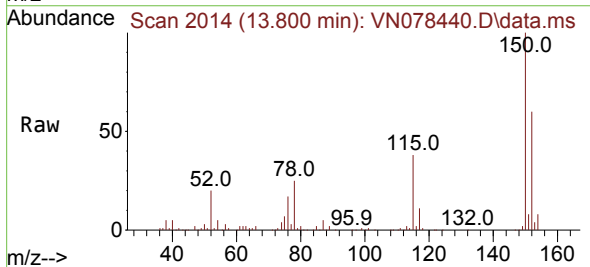
Instrument :
MSVOA_N
ClientSampleId :
IBLK

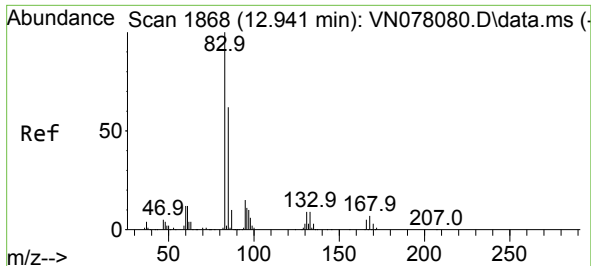
Tgt Ion:173 Resp: 1615
Ion Ratio Lower Upper
173 100
175 766.6 24.3 73.0#
254 0.0 0.0 0.0



#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 13.800 min Scan# 2014
Delta R.T. -0.000 min
Lab File: VN078440.D
Acq: 28 Jun 2023 14:42

Tgt Ion:152 Resp: 165137
Ion Ratio Lower Upper
152 100
115 60.4 32.3 96.8
150 158.8 0.0 355.8

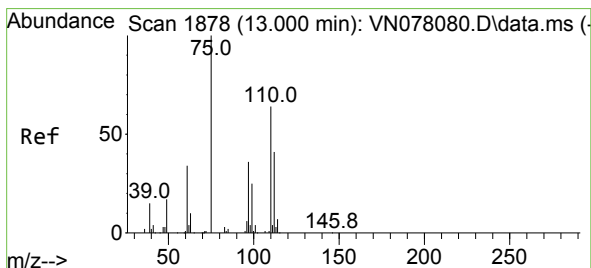
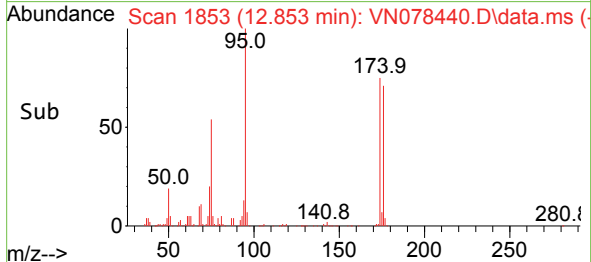
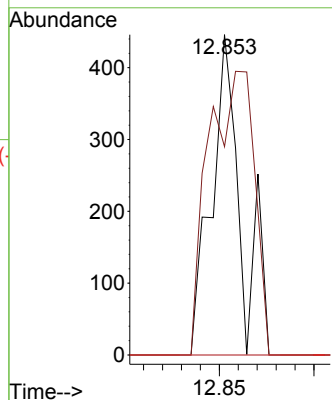
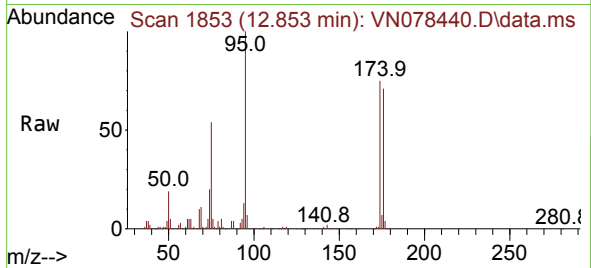




#75
1,1,2,2-Tetrachloroethane
Concen: Below Cal
RT: 12.853 min Scan# 1853
Delta R.T. -0.088 min
Lab File: VN078440.D
Acq: 28 Jun 2023 14:42

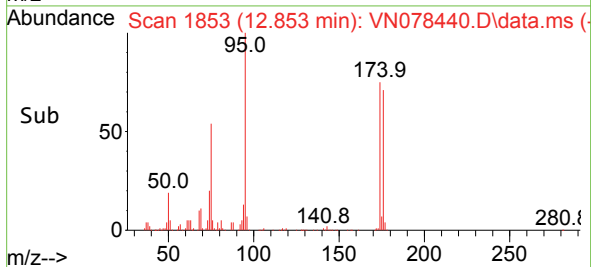
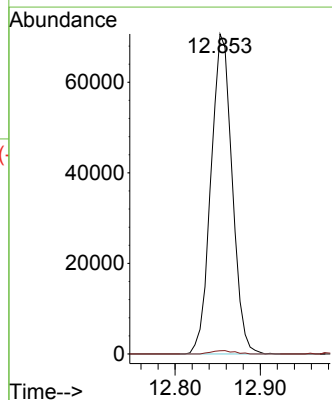
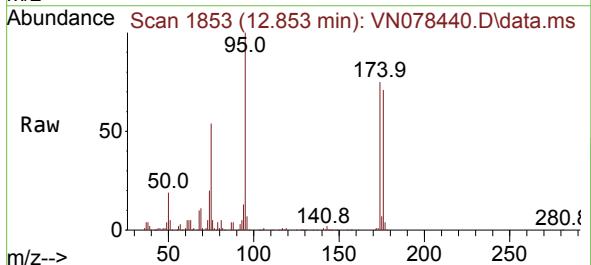
Instrument : MSVOA_N
ClientSampleId : IBLK

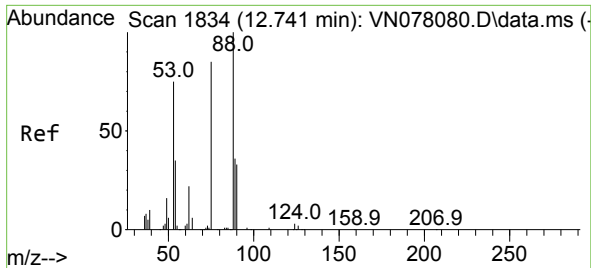
Tgt Ion: 83 Resp: 483
Ion Ratio Lower Upper
83 100
131 137.3 5.0 15.0#
85 0.0 31.9 95.7#



#76
1,2,3-Trichloropropane
Concen: 31.241 ug/l
RT: 12.853 min Scan# 1853
Delta R.T. -0.147 min
Lab File: VN078440.D
Acq: 28 Jun 2023 14:42

Tgt Ion: 75 Resp: 121961
Ion Ratio Lower Upper
75 100
77 1.1 84.5 253.5#





#81
 trans-1,4-Dichloro-2-butene
 Concen: 95.982 ug/l
 RT: 12.853 min Scan# 11
 Delta R.T. 0.112 min
 Lab File: VN078440.D
 Acq: 28 Jun 2023 14:42

Instrument :
 MSVOA_N
 ClientSampleId :
 IBLK

Tgt Ion: 75 Resp: 121961
 Ion Ratio Lower Upper
 75 100
 53 0.0 67.4 101.2#
 89 0.1 38.8 58.2#

