

Data Path : Z:\voasrv\HPCHEM1\MSVOA_N\Data\VN042524\
 Data File : VN081847.D
 Acq On : 25 Apr 2024 13:18
 Operator : JC\MD
 Sample : IBLK
 Misc : 5.0mL/MSVOA_N/WATER
 ALS Vial : 10 Sample Multiplier: 1

Instrument :
 MSVOA_N
 ClientSampleId :
 IBLK

Quant Time: Apr 26 05:33:02 2024
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_N\methods\82N042524W.M
 Quant Title : SW846 8260
 QLast Update : Fri Apr 26 05:26:49 2024
 Response via : Initial Calibration

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

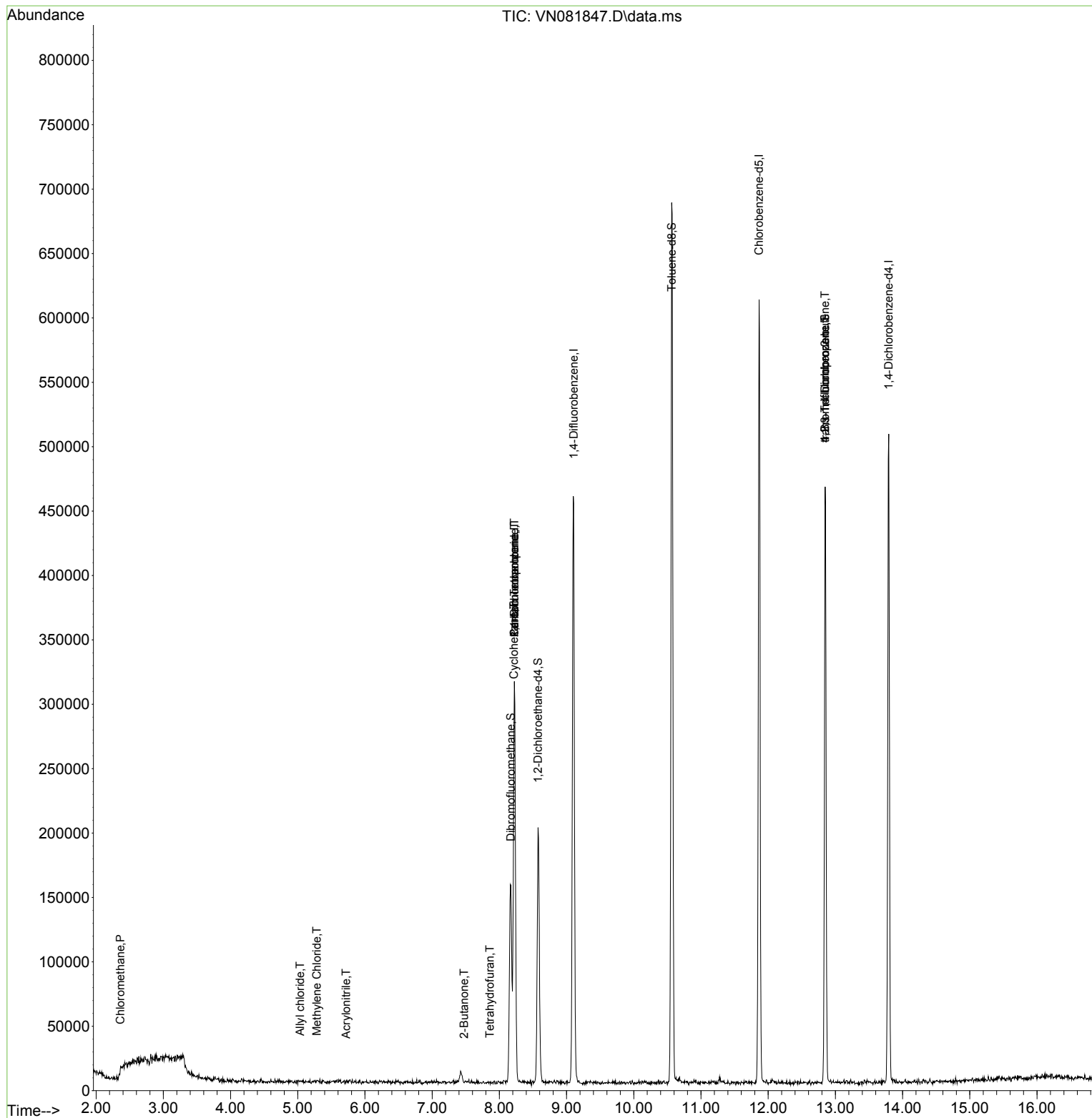
Internal Standards						
1) Pentafluorobenzene	8.224	168	205351	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	9.106	114	375783	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.865	117	328494	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.794	152	122014	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.577	65	162367	46.849	ug/l	0.00
Spiked Amount 50.000	Range 74 - 125		Recovery =	93.700%		
35) Dibromofluoromethane	8.171	113	114246	50.495	ug/l	0.00
Spiked Amount 50.000	Range 75 - 124		Recovery =	100.980%		
50) Toluene-d8	10.565	98	466859	52.539	ug/l	0.00
Spiked Amount 50.000	Range 86 - 113		Recovery =	105.080%		
62) 4-Bromofluorobenzene	12.847	95	166020	47.263	ug/l	0.00
Spiked Amount 50.000	Range 64 - 133		Recovery =	94.520%		
Target Compounds			Qvalue			
3) Chloromethane	2.359	50	748	0.249	ug/l	97
5) Bromomethane	2.959	94	910	Below Cal	#	20
13) Acrolein	4.159	56	475	Below Cal		90
14) Allyl chloride	5.036	41	1495	0.284	ug/l #	32
15) Acrylonitrile	5.718	53	318	0.210	ug/l #	26
16) Acetone	4.424	43	282	Below Cal	#	43
20) Methylene Chloride	5.283	84	945	0.318	ug/l #	61
25) 2-Butanone	7.477	43	608	0.309	ug/l #	43
29) Tetrahydrofuran	7.859	42	604	0.428	ug/l #	36
31) Cyclohexane	8.218	56	7490	1.435	ug/l #	38
36) 1,1-Dichloropropene	8.224	75	20951	5.692	ug/l #	49
38) Carbon Tetrachloride	8.224	117	21637	6.014	ug/l #	17
76) 1,2,3-Trichloropropane	12.847	75	93941	29.695	ug/l #	1
81) trans-1,4-Dichloro-2-b...	12.847	75	93941	60.848	ug/l #	13

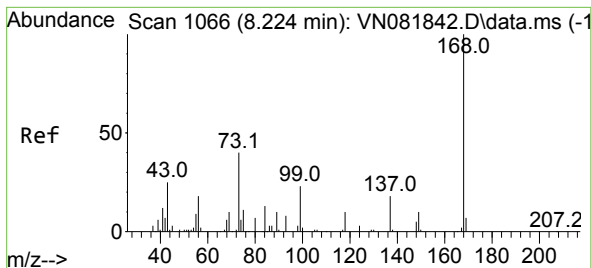
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 8.224 min Scan# 1066

Delta R.T. -0.000 min

Lab File: VN081847.D

Acq: 25 Apr 2024 13:18

Instrument :

MSVOA_N

ClientSampleId :

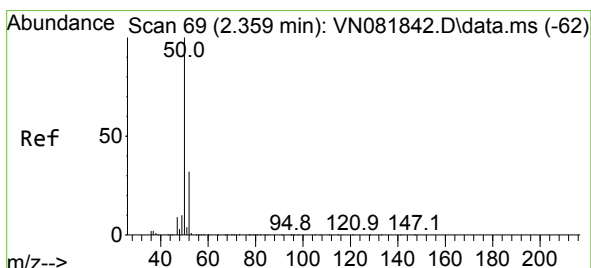
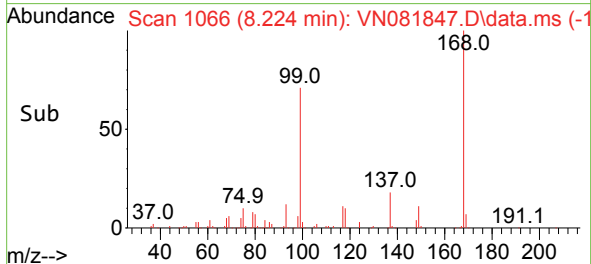
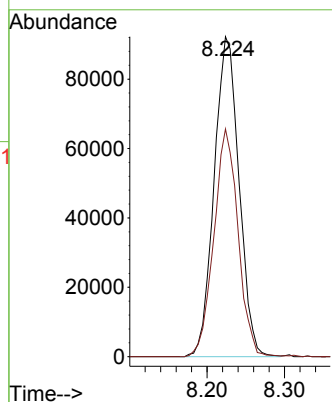
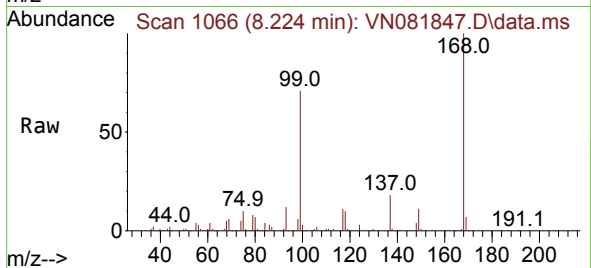
IBLK

Tgt Ion:168 Resp: 205351

Ion Ratio Lower Upper

168 100

99 71.1 48.2 72.4



#3

Chloromethane

Concen: 0.249 ug/l

RT: 2.359 min Scan# 69

Delta R.T. 0.000 min

Lab File: VN081847.D

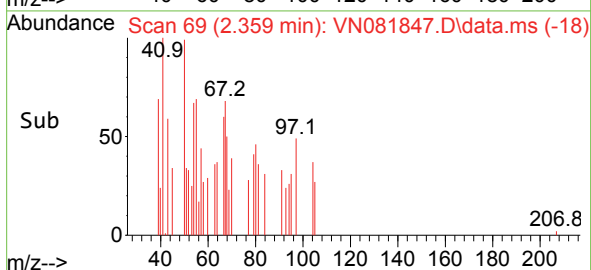
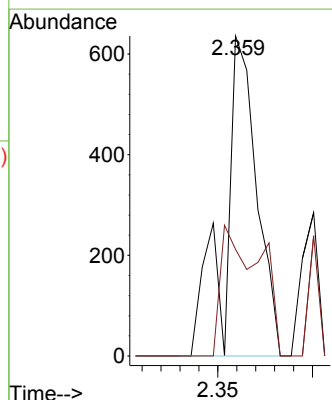
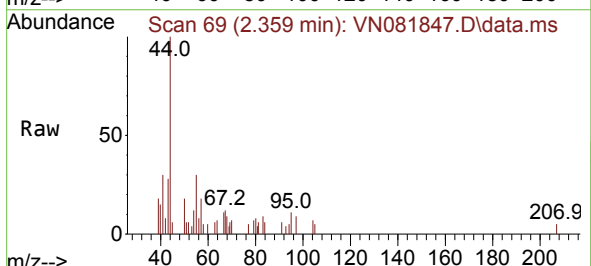
Acq: 25 Apr 2024 13:18

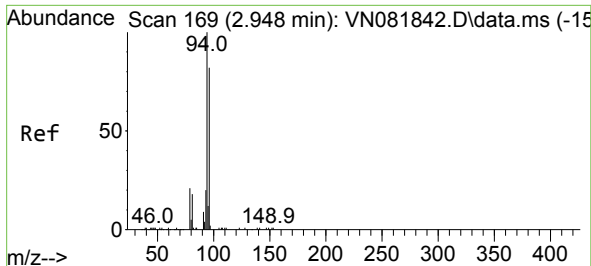
Tgt Ion: 50 Resp: 748

Ion Ratio Lower Upper

50 100

52 33.3 25.5 38.3

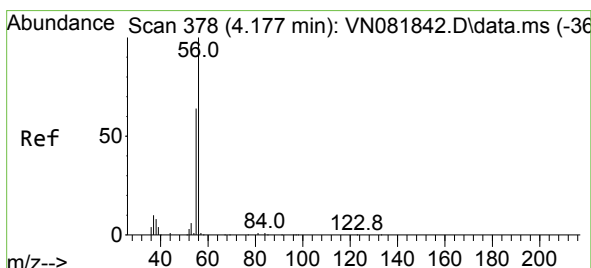
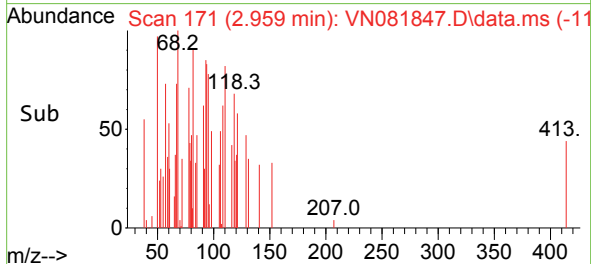
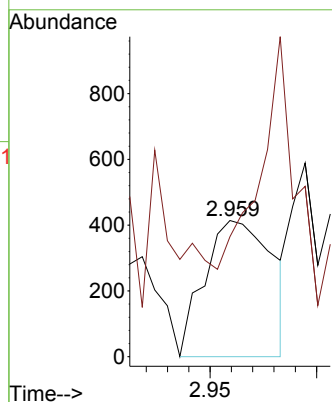
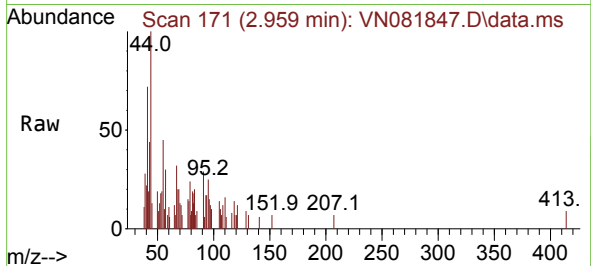




#5
Bromomethane
Concen: Below Cal
RT: 2.959 min Scan# 11
Delta R.T. 0.011 min
Lab File: VN081847.D
Acq: 25 Apr 2024 13:18

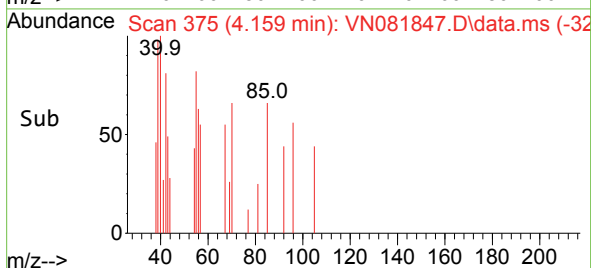
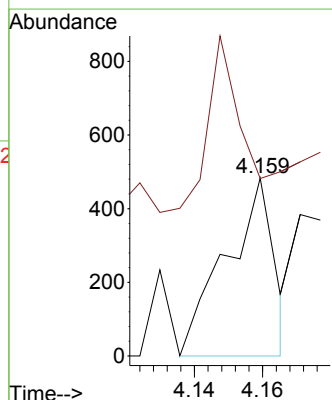
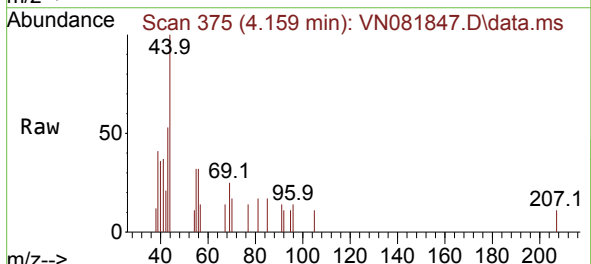
Instrument :
MSVOA_N
ClientSampleId :
IBLK

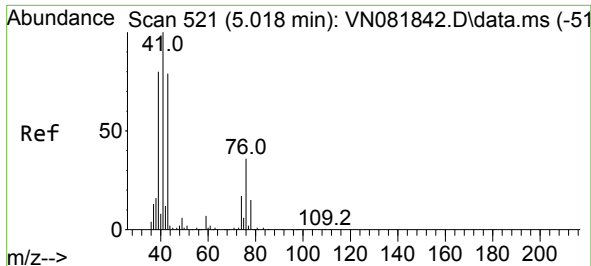
Tgt Ion: 94 Resp: 910
Ion Ratio Lower Upper
94 100
96 16.7 74.8 112.2#



#13
Acrolein
Concen: Below Cal
RT: 4.159 min Scan# 375
Delta R.T. -0.018 min
Lab File: VN081847.D
Acq: 25 Apr 2024 13:18

Tgt Ion: 56 Resp: 475
Ion Ratio Lower Upper
56 100
55 78.3 55.8 83.8

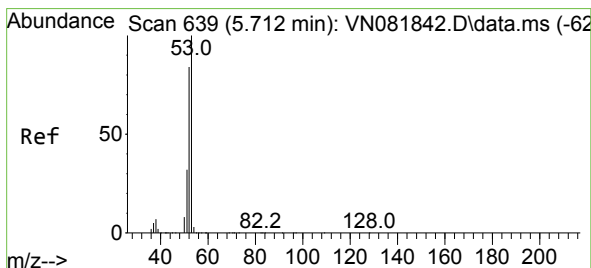
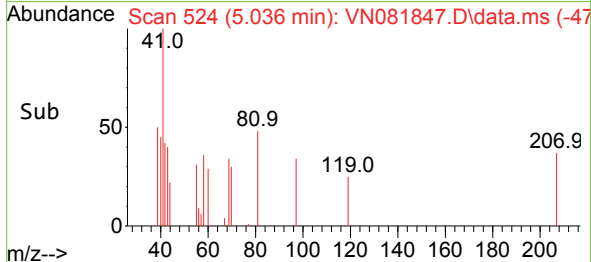
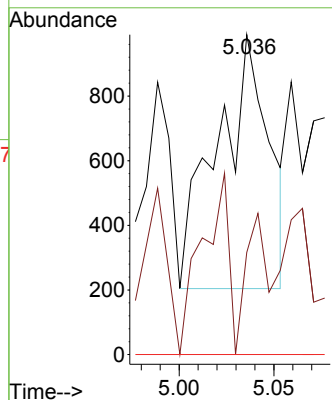
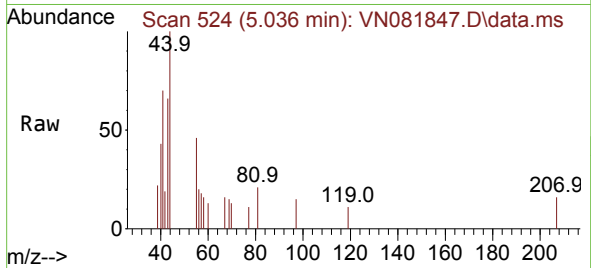




#14
 Allyl chloride
 Concen: 0.284 ug/l
 RT: 5.036 min Scan# 51
 Delta R.T. 0.018 min
 Lab File: VN081847.D
 Acq: 25 Apr 2024 13:18

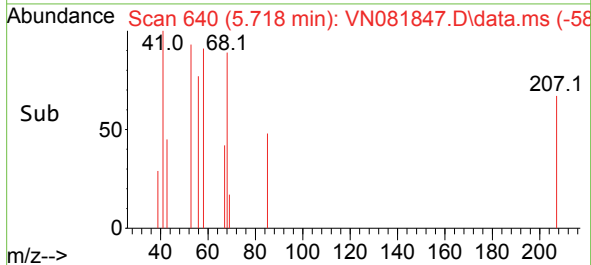
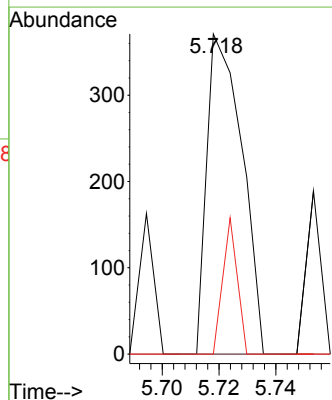
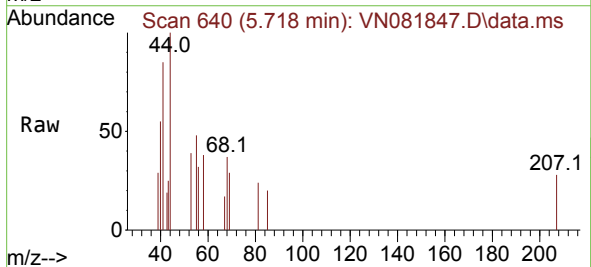
Instrument :
 MSVOA_N
 ClientSampleId :
 IBLK

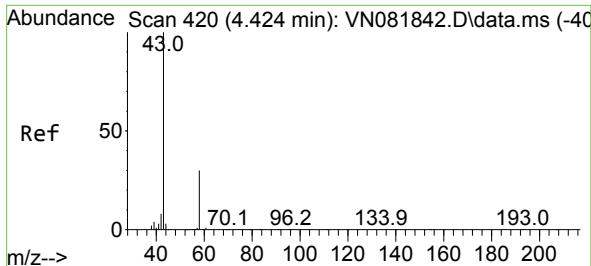
Tgt Ion: 41 Resp: 1495
 Ion Ratio Lower Upper
 41 100
 39 22.3 65.4 98.0#
 76 0.0 37.3 55.9#



#15
 Acrylonitrile
 Concen: 0.210 ug/l
 RT: 5.718 min Scan# 640
 Delta R.T. 0.006 min
 Lab File: VN081847.D
 Acq: 25 Apr 2024 13:18

Tgt Ion: 53 Resp: 318
 Ion Ratio Lower Upper
 53 100
 52 0.0 66.1 99.1#
 51 17.6 29.4 44.2#

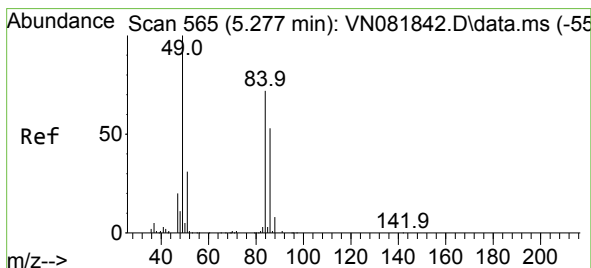
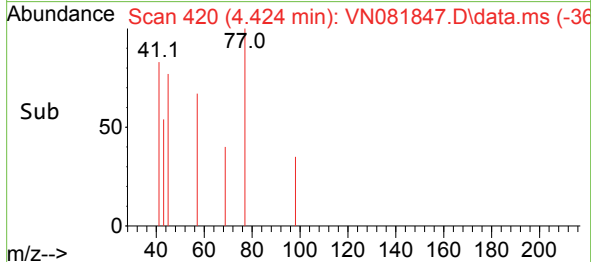
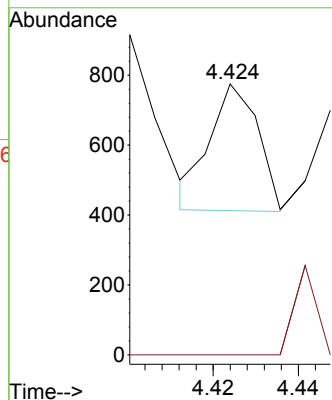
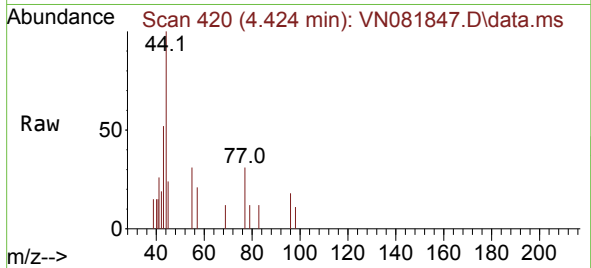




#16
Acetone
Concen: Below Cal
RT: 4.424 min Scan# 41
Delta R.T. -0.000 min
Lab File: VN081847.D
Acq: 25 Apr 2024 13:18

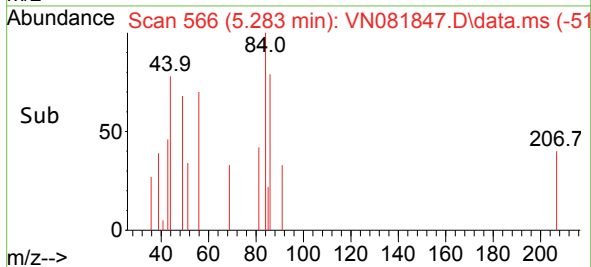
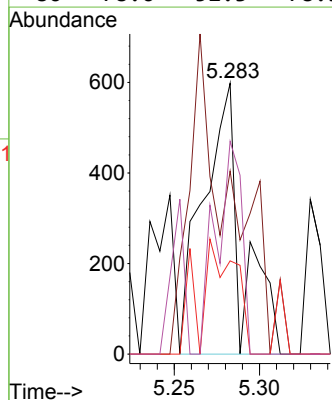
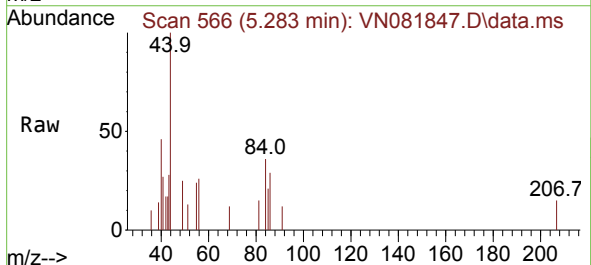
Instrument :
MSVOA_N
ClientSampleId :
IBLK

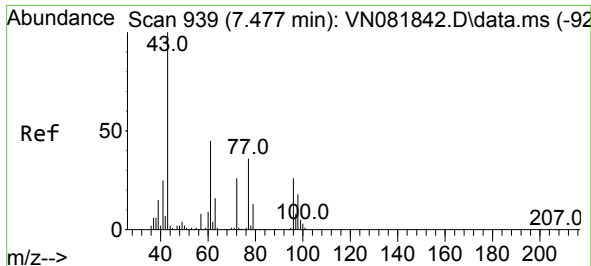
Tgt Ion: 43 Resp: 282
Ion Ratio Lower Upper
43 100
58 0.0 25.2 37.8#



#20
Methylene Chloride
Concen: 0.318 ug/l
RT: 5.283 min Scan# 566
Delta R.T. 0.006 min
Lab File: VN081847.D
Acq: 25 Apr 2024 13:18

Tgt Ion: 84 Resp: 945
Ion Ratio Lower Upper
84 100
49 40.0 84.9 127.3#
51 34.4 27.0 40.6
86 78.6 52.3 78.5#

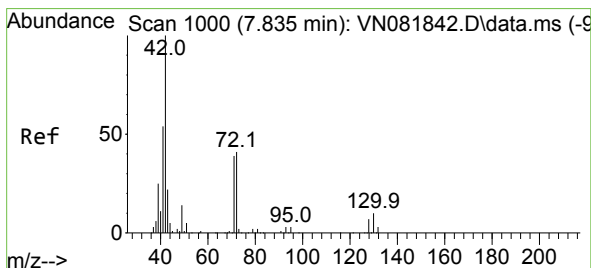
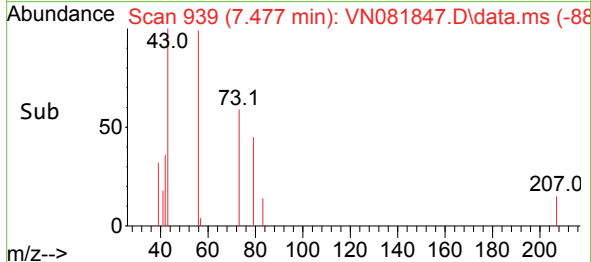
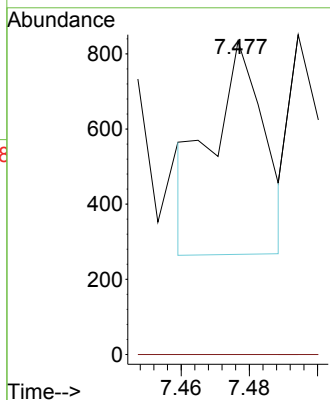
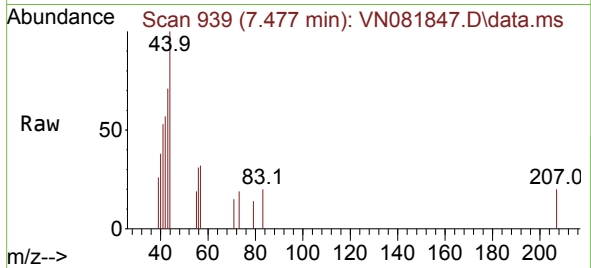




#25
2-Butanone
Concen: 0.309 ug/l
RT: 7.477 min Scan# 91
Delta R.T. 0.000 min
Lab File: VN081847.D
Acq: 25 Apr 2024 13:18

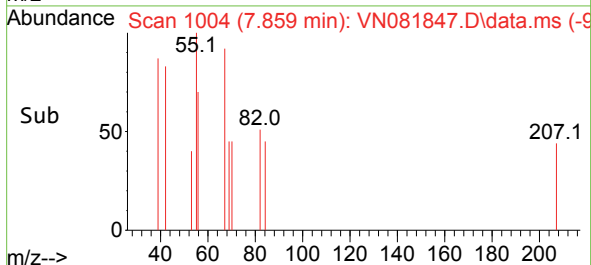
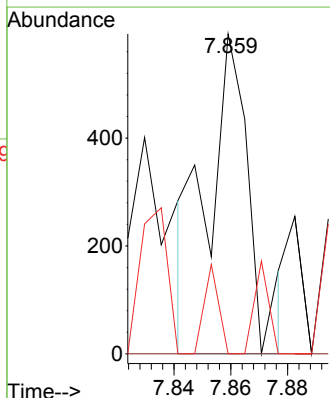
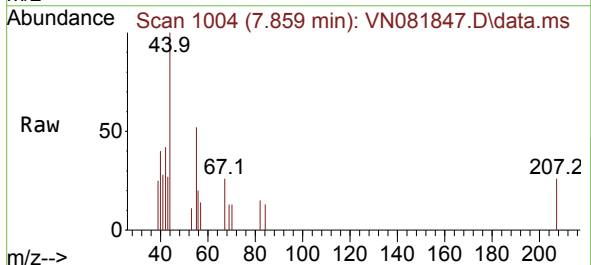
Instrument :
MSVOA_N
ClientSampleId :
IBLK

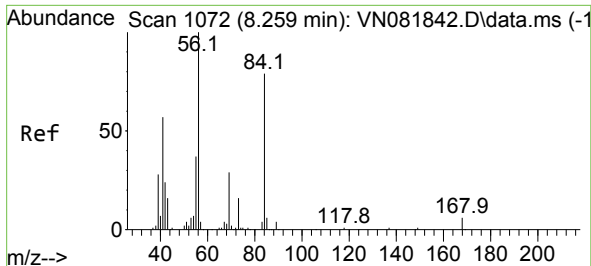
Tgt Ion: 43 Resp: 608
Ion Ratio Lower Upper
43 100
72 0.0 25.3 37.9#



#29
Tetrahydrofuran
Concen: 0.428 ug/l
RT: 7.859 min Scan# 1004
Delta R.T. 0.024 min
Lab File: VN081847.D
Acq: 25 Apr 2024 13:18

Tgt Ion: 42 Resp: 604
Ion Ratio Lower Upper
42 100
72 0.0 39.3 58.9#
71 9.8 37.4 56.0#

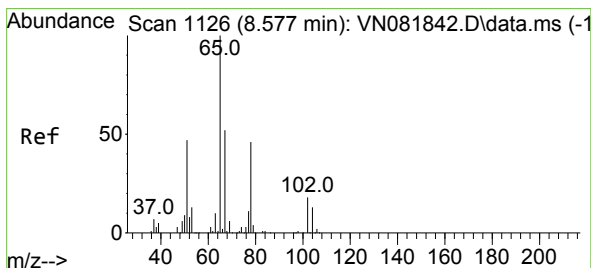
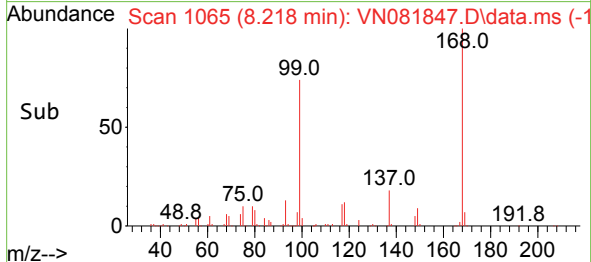
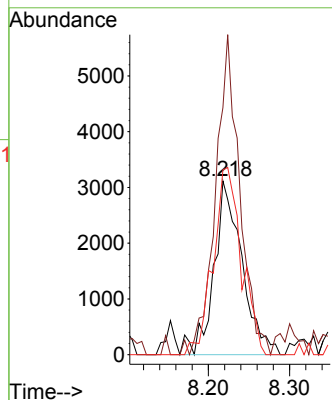
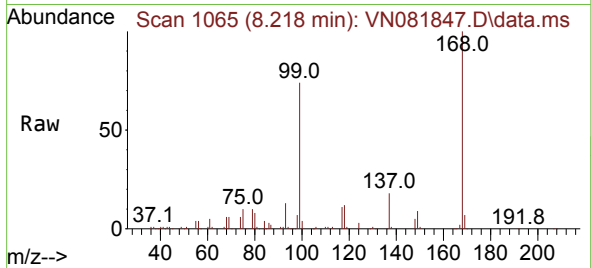




#31
Cyclohexane
Concen: 1.435 ug/l
RT: 8.218 min Scan# 1065
Delta R.T. -0.041 min
Lab File: VN081847.D
Acq: 25 Apr 2024 13:18

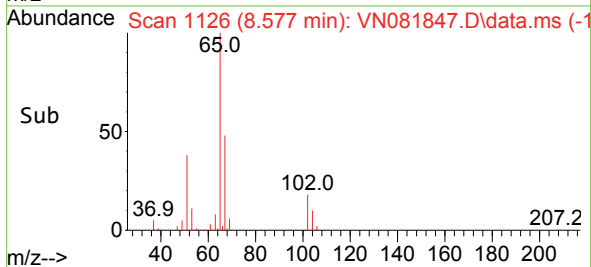
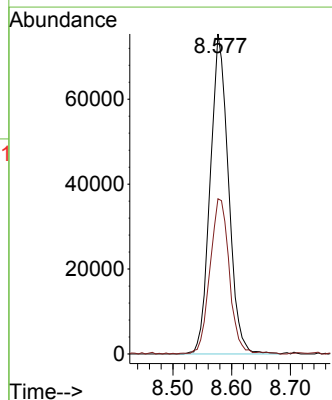
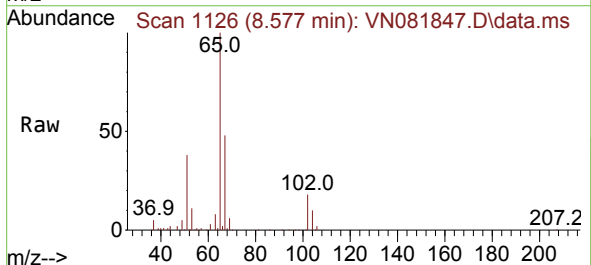
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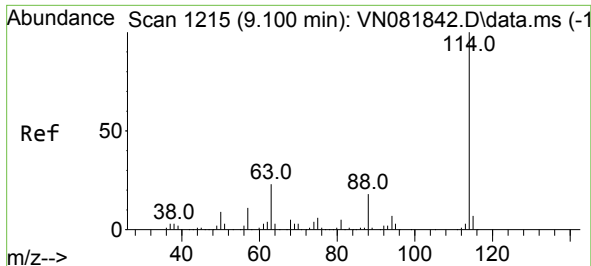
Tgt Ion: 56 Resp: 7490
Ion Ratio Lower Upper
56 100
69 142.2 24.4 36.6#
84 113.1 77.0 115.4



#33
1,2-Dichloroethane-d4
Concen: 46.849 ug/l
RT: 8.577 min Scan# 1126
Delta R.T. 0.000 min
Lab File: VN081847.D
Acq: 25 Apr 2024 13:18

Tgt Ion: 65 Resp: 162367
Ion Ratio Lower Upper
65 100
67 51.2 0.0 103.0





#34

1,4-Difluorobenzene

Concen: 50.000 ug/l

RT: 9.106 min Scan# 11

Delta R.T. 0.006 min

Lab File: VN081847.D

Acq: 25 Apr 2024 13:18

Instrument :

MSVOA_N

ClientSampleId :

IBLK

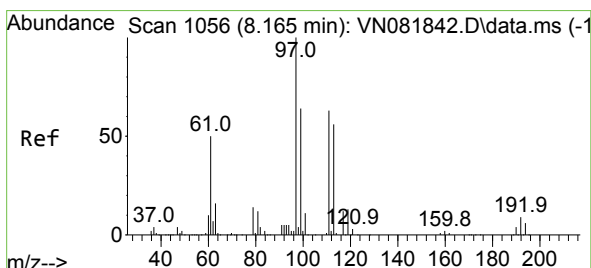
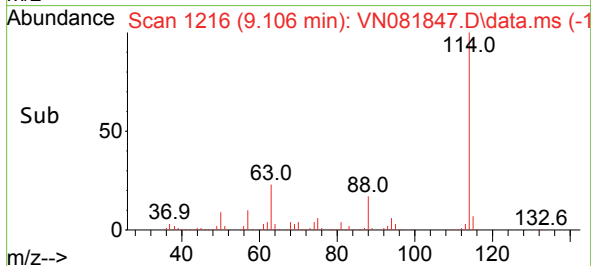
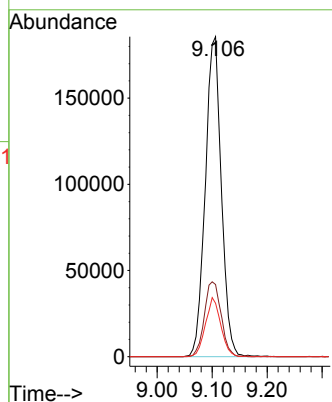
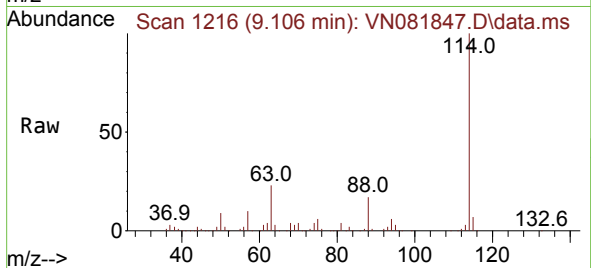
Tgt Ion:114 Resp: 375783

Ion Ratio Lower Upper

114 100

63 22.5 0.0 41.0

88 16.7 0.0 31.4



#35

Dibromofluoromethane

Concen: 50.495 ug/l

RT: 8.171 min Scan# 1057

Delta R.T. 0.006 min

Lab File: VN081847.D

Acq: 25 Apr 2024 13:18

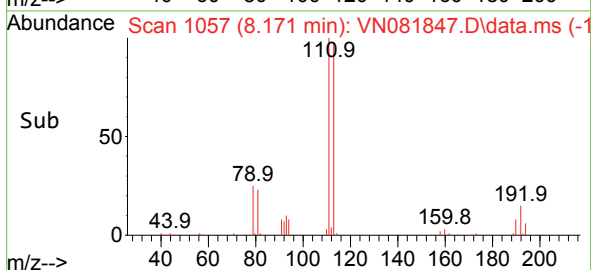
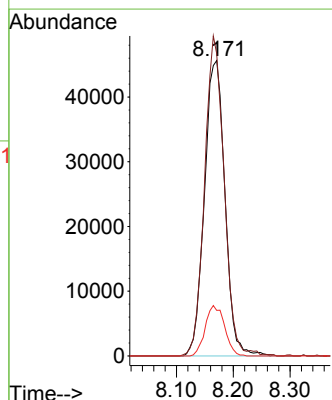
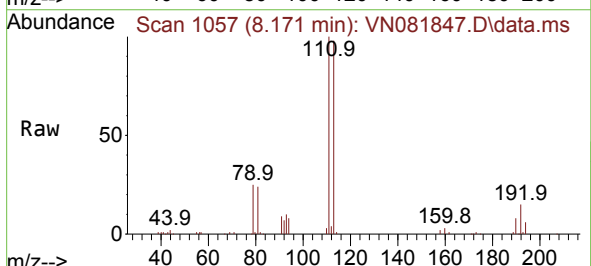
Tgt Ion:113 Resp: 114246

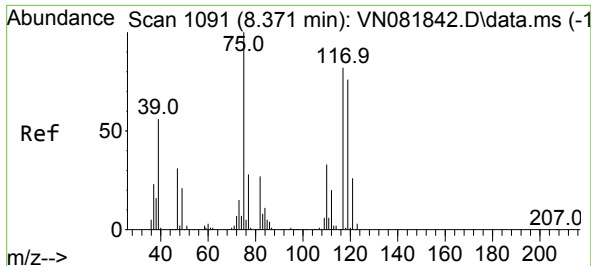
Ion Ratio Lower Upper

113 100

111 103.4 83.4 125.2

192 16.1 14.0 21.0

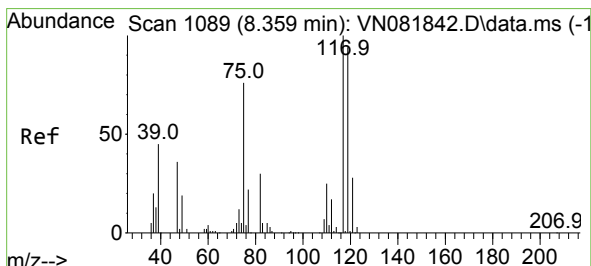
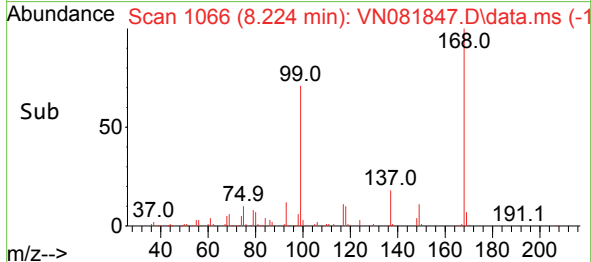
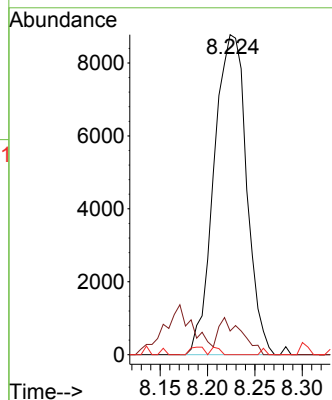
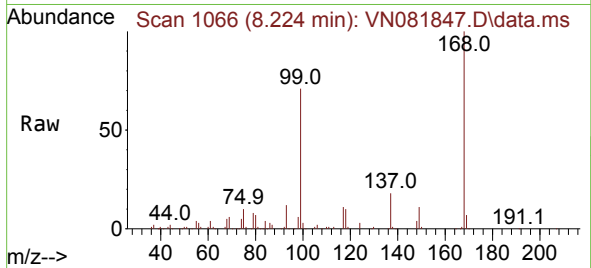




#36
1,1-Dichloropropene
Concen: 5.692 ug/l
RT: 8.224 min Scan# 1066
Delta R.T. -0.147 min
Lab File: VN081847.D
Acq: 25 Apr 2024 13:18

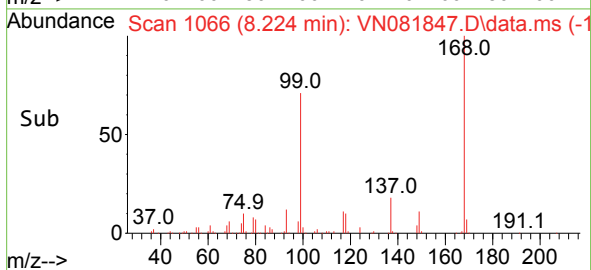
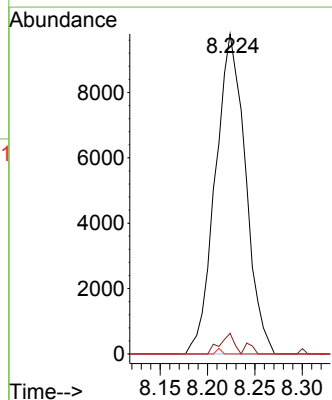
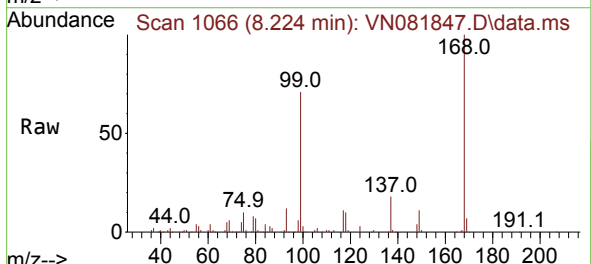
Instrument :
MSVOA_N
ClientSampleId :
IBLK

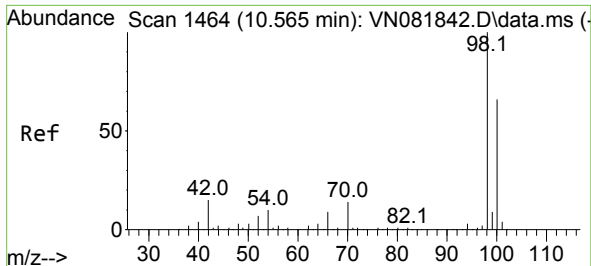
Tgt Ion: 75 Resp: 20951
Ion Ratio Lower Upper
75 100
110 8.2 17.8 53.5#
77 0.6 25.0 37.4#



#38
Carbon Tetrachloride
Concen: 6.014 ug/l
RT: 8.224 min Scan# 1066
Delta R.T. -0.135 min
Lab File: VN081847.D
Acq: 25 Apr 2024 13:18

Tgt Ion: 117 Resp: 21637
Ion Ratio Lower Upper
117 100
119 6.5 76.5 114.7#
121 0.0 23.9 35.9#

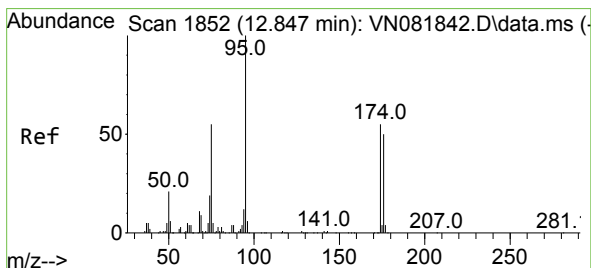
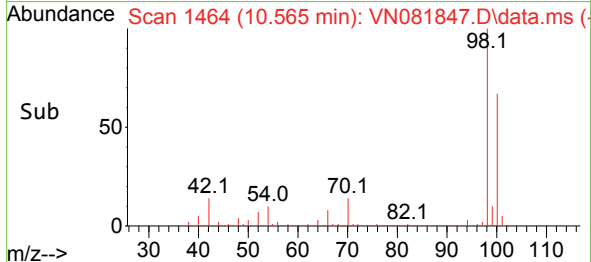
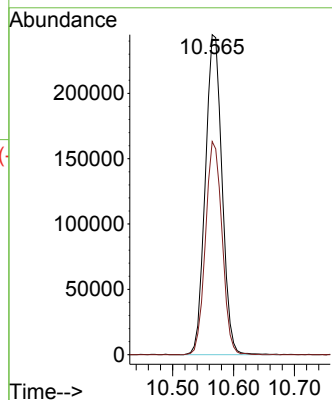
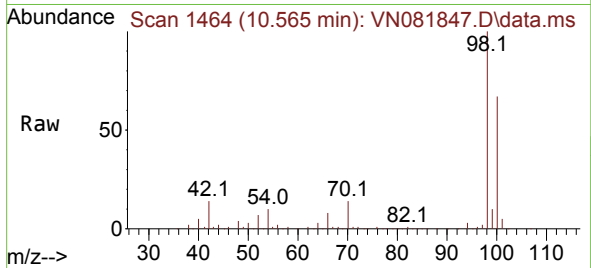




#50
Toluene-d8
Concen: 52.539 ug/l
RT: 10.565 min Scan# 1464
Delta R.T. 0.000 min
Lab File: VN081847.D
Acq: 25 Apr 2024 13:18

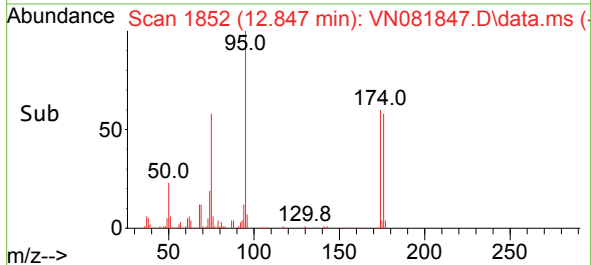
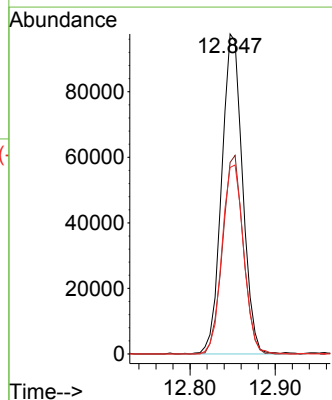
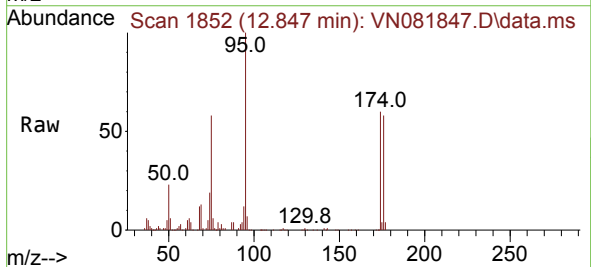
Instrument :
MSVOA_N
ClientSampleId :
IBLK

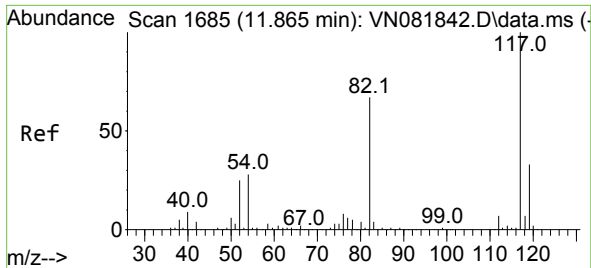
Tgt Ion: 98 Resp: 466859
Ion Ratio Lower Upper
98 100
100 66.1 51.8 77.6



#62
4-Bromofluorobenzene
Concen: 47.263 ug/l
RT: 12.847 min Scan# 1852
Delta R.T. 0.000 min
Lab File: VN081847.D
Acq: 25 Apr 2024 13:18

Tgt Ion: 95 Resp: 166020
Ion Ratio Lower Upper
95 100
174 61.5 0.0 160.6
176 61.3 0.0 152.8

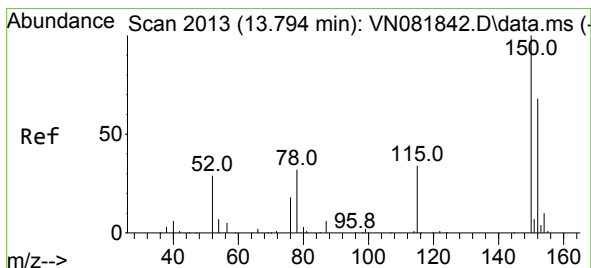
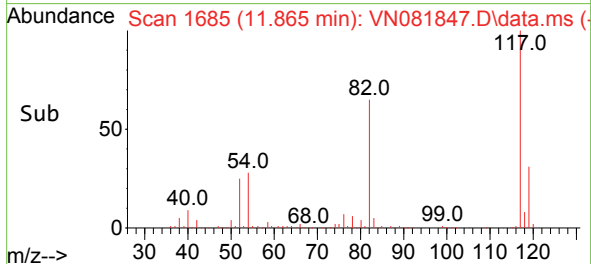
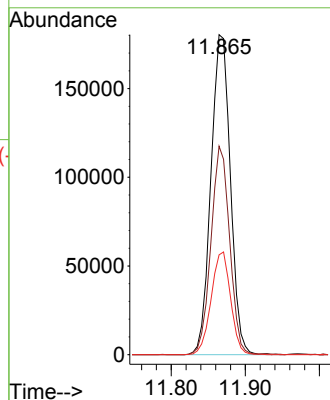
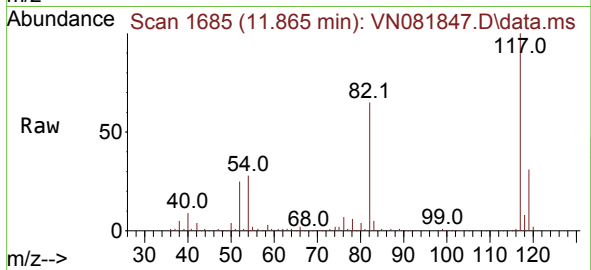




#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.865 min Scan# 11
Delta R.T. 0.000 min
Lab File: VN081847.D
Acq: 25 Apr 2024 13:18

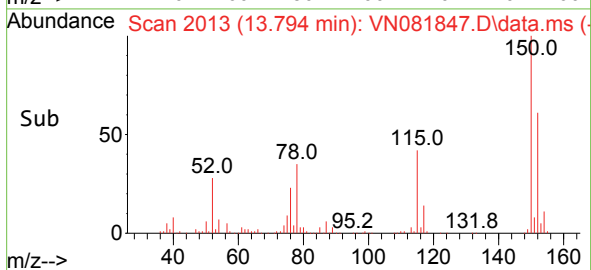
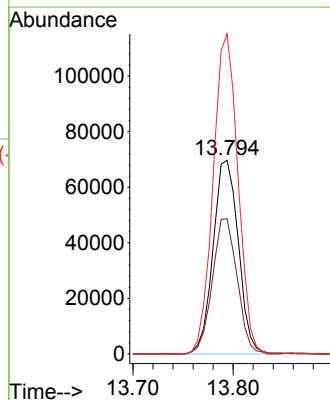
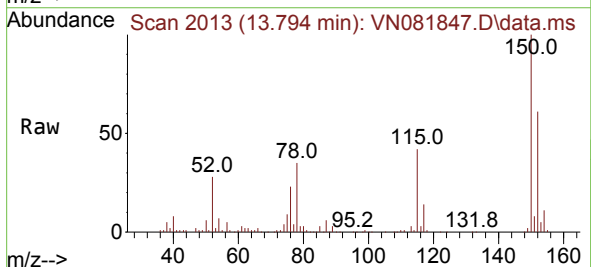
Instrument :
MSVOA_N
ClientSampleId :
IBLK

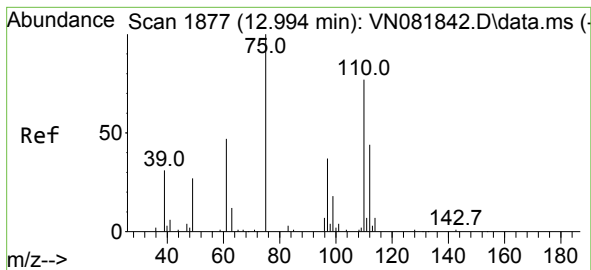
Tgt Ion:117 Resp: 328494
Ion Ratio Lower Upper
117 100
82 65.1 44.6 66.8
119 31.2 25.9 38.9



#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 13.794 min Scan# 2013
Delta R.T. 0.000 min
Lab File: VN081847.D
Acq: 25 Apr 2024 13:18

Tgt Ion:152 Resp: 122014
Ion Ratio Lower Upper
152 100
115 68.6 30.4 91.3
150 162.2 0.0 353.2





#76

1,2,3-Trichloropropane

Concen: 29.695 ug/l

RT: 12.847 min Scan# 1852

Delta R.T. -0.147 min

Lab File: VN081847.D

Acq: 25 Apr 2024 13:18

Instrument :

MSVOA_N

ClientSampleId :

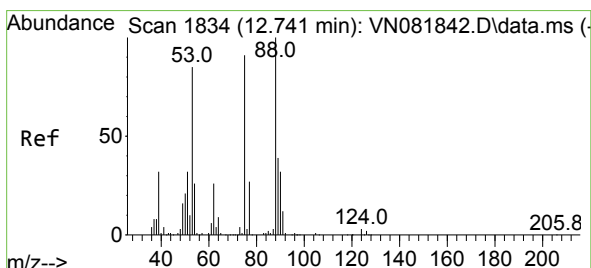
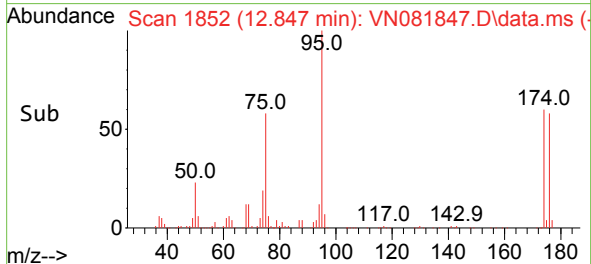
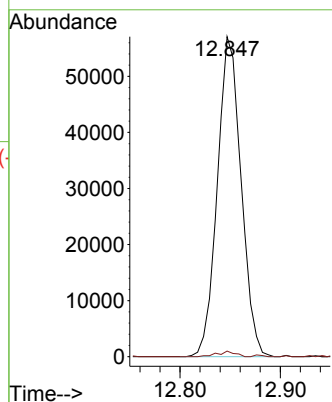
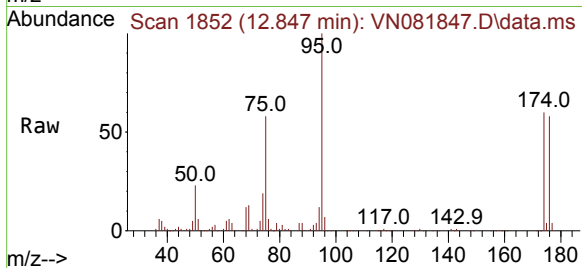
IBLK

Tgt Ion: 75 Resp: 93941

Ion Ratio Lower Upper

75 100

77 1.3 90.5 271.3#



#81

trans-1,4-Dichloro-2-butene

Concen: 60.848 ug/l

RT: 12.847 min Scan# 1852

Delta R.T. 0.106 min

Lab File: VN081847.D

Acq: 25 Apr 2024 13:18

Tgt Ion: 75 Resp: 93941

Ion Ratio Lower Upper

75 100

53 0.3 72.9 109.3#

89 0.1 39.1 58.7#

