

Data Path : Z:\voasrv\HPCHEM1\MSVOA_N\Data\VN042524\
 Data File : VN081850.D
 Acq On : 25 Apr 2024 14:55
 Operator : JC\MD
 Sample : VN0425WBL01
 Misc : 5.0mL/MSVOA_N/WATER
 ALS Vial : 13 Sample Multiplier: 1

Instrument :
 MSVOA_N
 ClientSampleId :
 VN0425WBL01

Quant Time: Apr 26 05:34:47 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

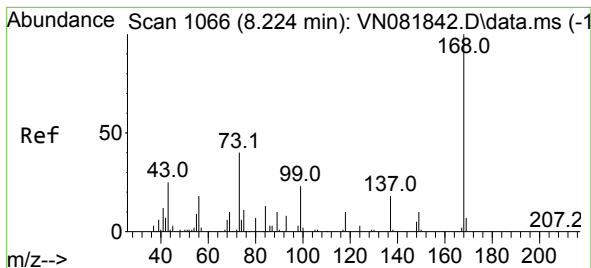
Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)

Internal Standards						
1) Pentafluorobenzene	8.224	168	232582	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	9.100	114	437399	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.865	117	380861	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.794	152	144651	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.577	65	187814	47.846	ug/l	0.00
Spiked Amount	50.000	Range	74 - 125	Recovery	=	95.700%
35) Dibromofluoromethane	8.165	113	131953	50.105	ug/l	0.00
Spiked Amount	50.000	Range	75 - 124	Recovery	=	100.220%
50) Toluene-d8	10.565	98	533988	51.628	ug/l	0.00
Spiked Amount	50.000	Range	86 - 113	Recovery	=	103.260%
62) 4-Bromofluorobenzene	12.847	95	195518	47.820	ug/l	0.00
Spiked Amount	50.000	Range	64 - 133	Recovery	=	95.640%
Target Compounds						
					Qvalue	
3) Chloromethane	2.365	50	1043	0.306	ug/l #	72
5) Bromomethane	2.936	94	115	Below Cal	#	69
13) Acrolein	4.159	56	467	Below Cal	#	54
15) Acrylonitrile	5.718	53	454	0.265	ug/l #	17
16) Acetone	4.418	43	494	Below Cal	#	43
20) Methylene Chloride	5.277	84	1158	0.344	ug/l #	44
29) Tetrahydrofuran	7.818	42	596	0.373	ug/l #	56
31) Cyclohexane	8.224	56	8322	1.407	ug/l #	29
36) 1,1-Dichloropropene	8.230	75	22583	5.271	ug/l #	49
38) Carbon Tetrachloride	8.224	117	26876	6.418	ug/l #	16
76) 1,2,3-Trichloropropane	12.847	75	108299	28.876	ug/l #	1
81) trans-1,4-Dichloro-2-b...	12.847	75	108299	59.171	ug/l #	12
94) Hexachlorobutadiene	15.500	225	229	0.231	ug/l #	36

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

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Response via : Initial Calibration





#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 8.224 min Scan# 1

Delta R.T. -0.000 min

Lab File: VN081850.D

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Instrument :

MSVOA_N

ClientSampleId :

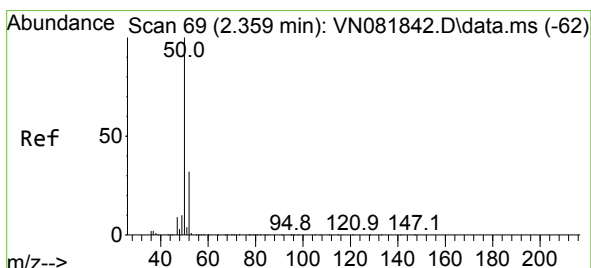
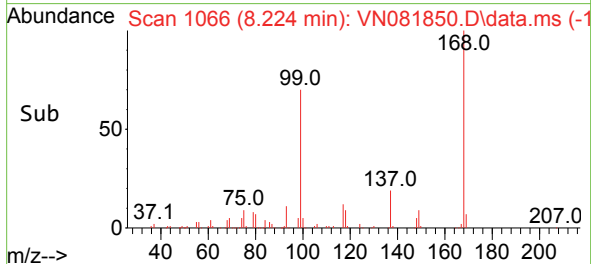
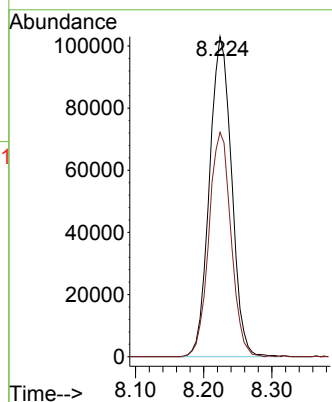
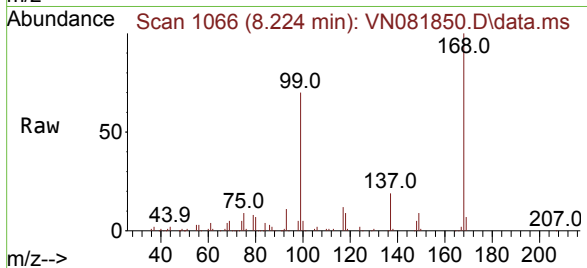
VN0425WBL01

Tgt Ion:168 Resp: 232582

Ion Ratio Lower Upper

168 100

99 70.1 48.2 72.4



#3

Chloromethane

Concen: 0.306 ug/l

RT: 2.365 min Scan# 70

Delta R.T. 0.006 min

Lab File: VN081850.D

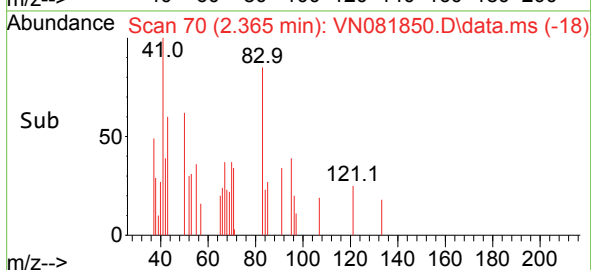
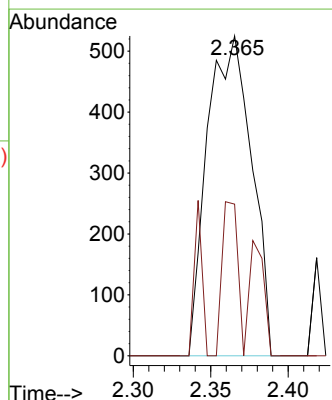
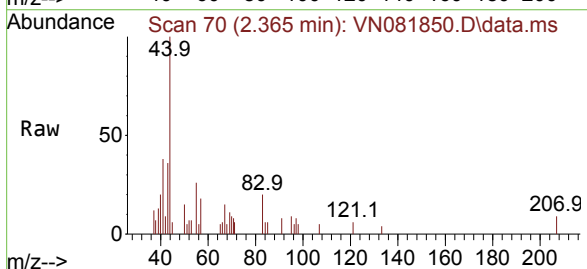
Acq: 25 Apr 2024 14:55

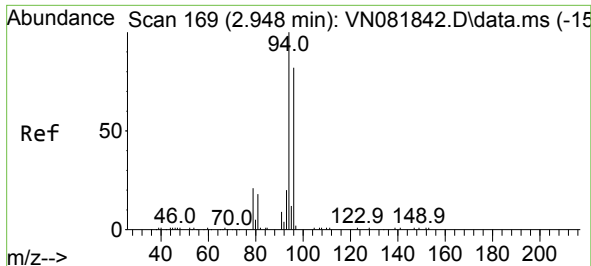
Tgt Ion: 50 Resp: 1043

Ion Ratio Lower Upper

50 100

52 47.4 25.5 38.3#

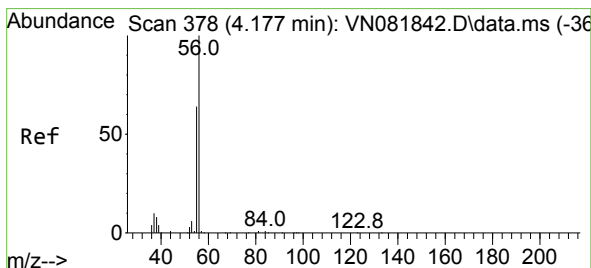
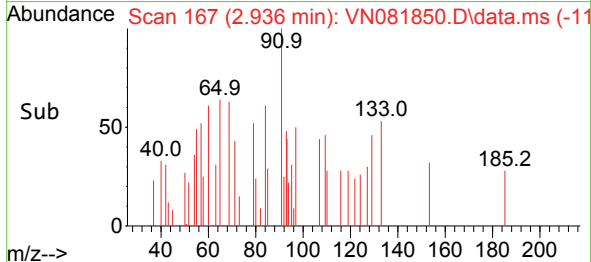
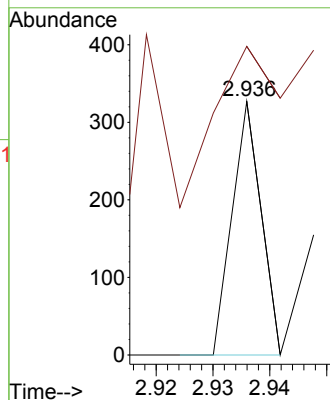
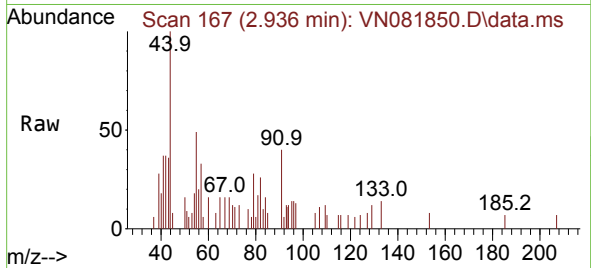




#5
Bromomethane
Concen: Below Cal
RT: 2.936 min Scan# 115
Delta R.T. -0.012 min
Lab File: VN081850.D
Acq: 25 Apr 2024 14:55

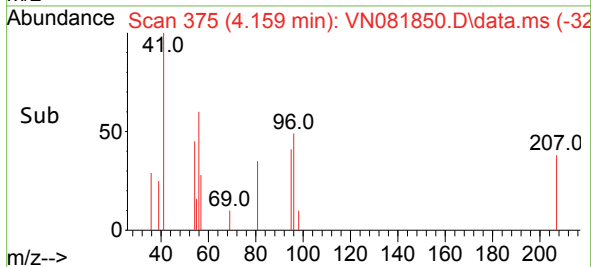
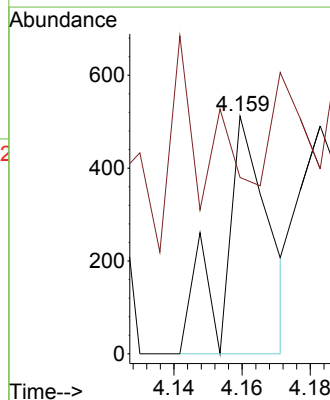
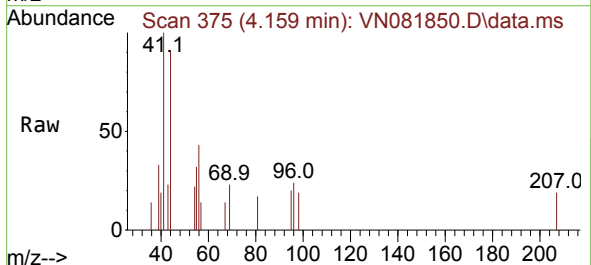
Instrument :
MSVOA_N
ClientSampleId :
VN0425WBL01

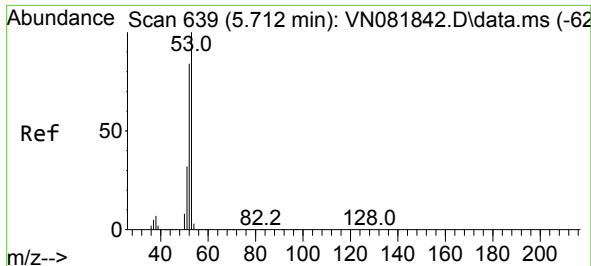
Tgt Ion: 94 Resp: 115
Ion Ratio Lower Upper
94 100
96 63.6 74.8 112.2#



#13
Acrolein
Concen: Below Cal
RT: 4.159 min Scan# 375
Delta R.T. -0.018 min
Lab File: VN081850.D
Acq: 25 Apr 2024 14:55

Tgt Ion: 56 Resp: 467
Ion Ratio Lower Upper
56 100
55 32.1 55.8 83.8#

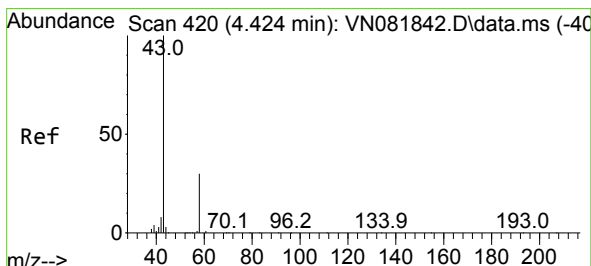
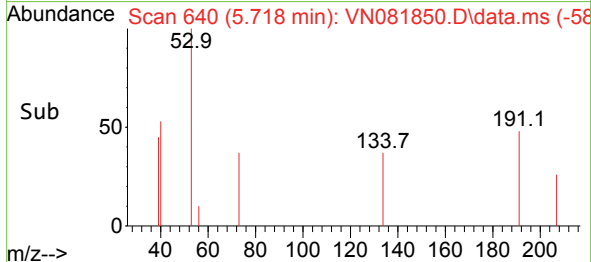
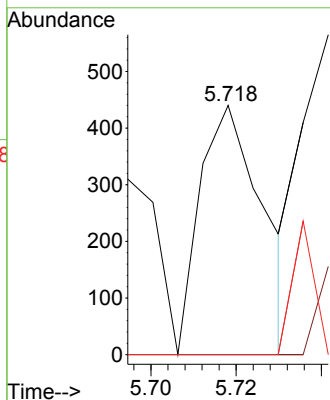
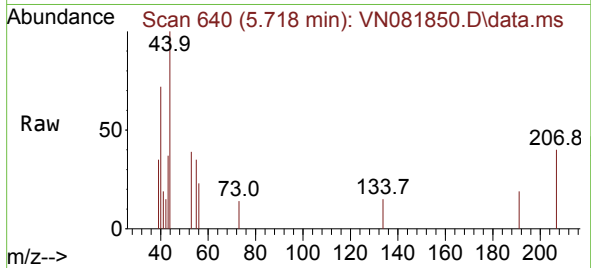




#15
Acrylonitrile
Concen: 0.265 ug/l
RT: 5.718 min Scan# 640
Delta R.T. 0.006 min
Lab File: VN081850.D
Acq: 25 Apr 2024 14:55

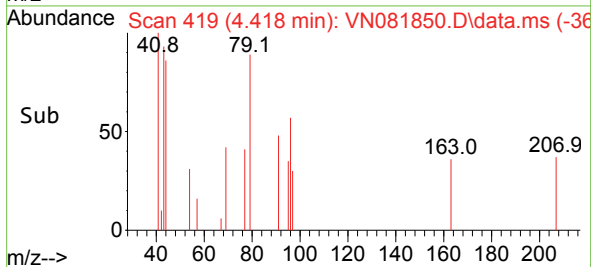
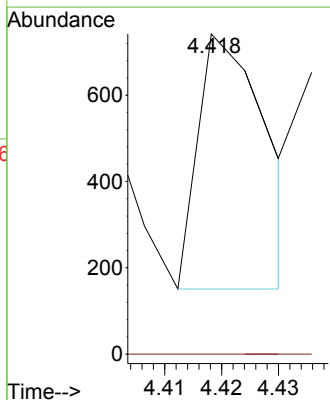
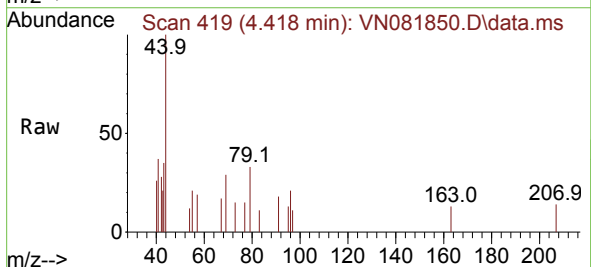
Instrument :
MSVOA_N
ClientSampleId :
VN0425WBL01

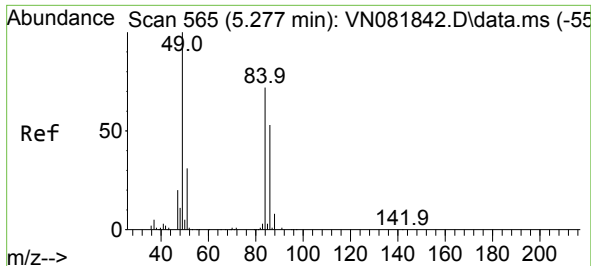
Tgt Ion: 53 Resp: 454
Ion Ratio Lower Upper
53 100
52 0.0 66.1 99.1#
51 0.0 29.4 44.2#



#16
Acetone
Concen: Below Cal
RT: 4.418 min Scan# 419
Delta R.T. -0.006 min
Lab File: VN081850.D
Acq: 25 Apr 2024 14:55

Tgt Ion: 43 Resp: 494
Ion Ratio Lower Upper
43 100
58 0.0 25.2 37.8#

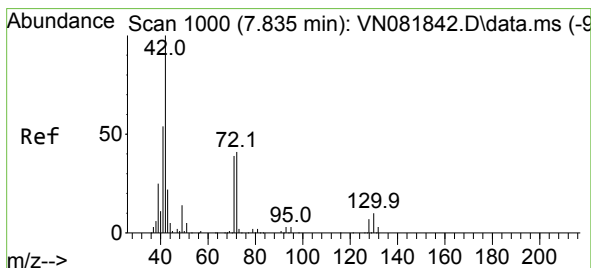
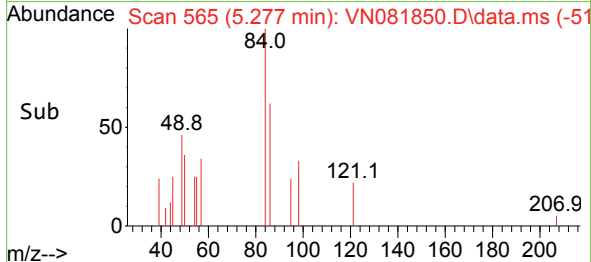
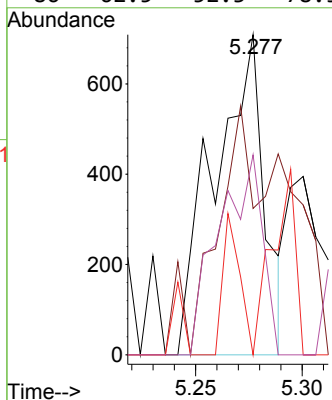
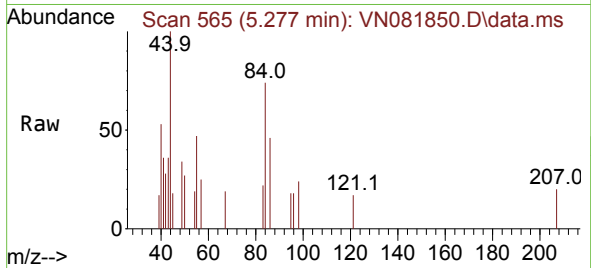




#20
Methylene Chloride
Concen: 0.344 ug/l
RT: 5.277 min Scan# 511
Delta R.T. 0.000 min
Lab File: VN081850.D
Acq: 25 Apr 2024 14:55

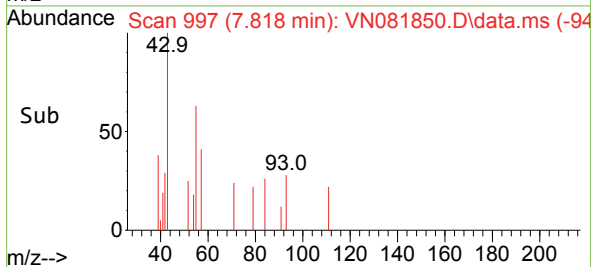
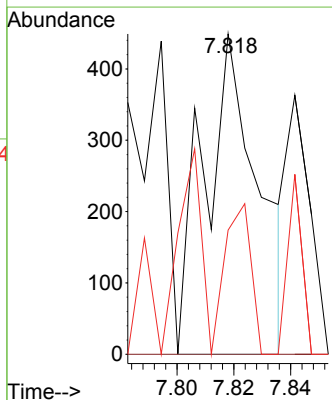
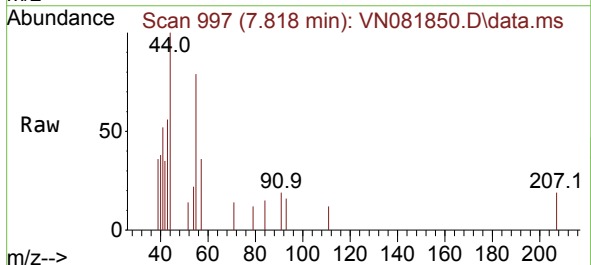
Instrument :
MSVOA_N
ClientSampleId :
VN0425WBL01

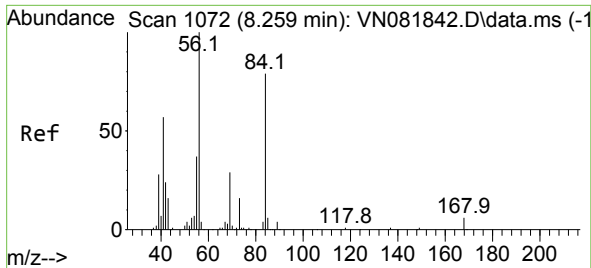
Tgt Ion:	84	Resp:	1158
Ion	Ratio	Lower	Upper
84	100		
49	16.6	84.9	127.3#
51	0.0	27.0	40.6#
86	62.5	52.3	78.5



#29
Tetrahydrofuran
Concen: 0.373 ug/l
RT: 7.818 min Scan# 997
Delta R.T. -0.017 min
Lab File: VN081850.D
Acq: 25 Apr 2024 14:55

Tgt Ion:	42	Resp:	596
Ion	Ratio	Lower	Upper
42	100		
72	0.0	39.3	58.9#
71	36.7	37.4	56.0#

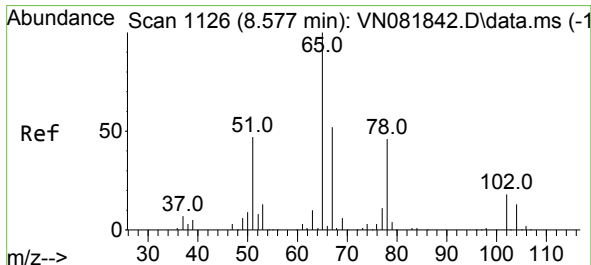
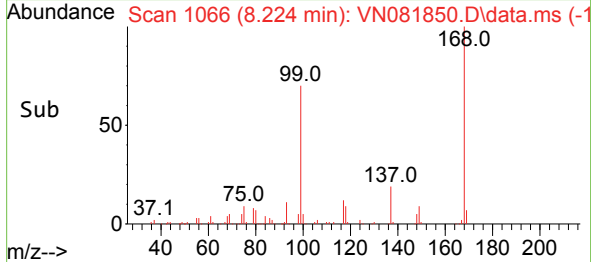
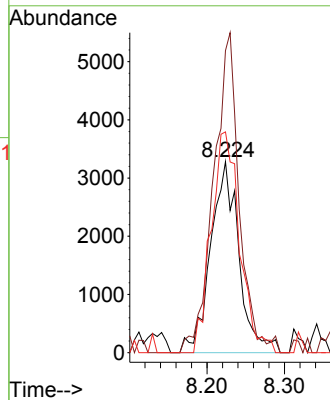
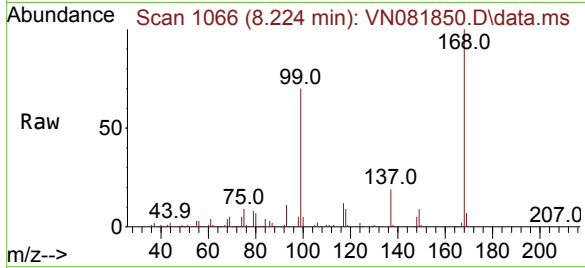




#31
Cyclohexane
Concen: 1.407 ug/l
RT: 8.224 min Scan# 1066
Delta R.T. -0.035 min
Lab File: VN081850.D
Acq: 25 Apr 2024 14:55

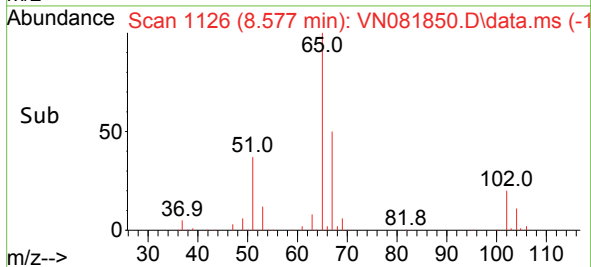
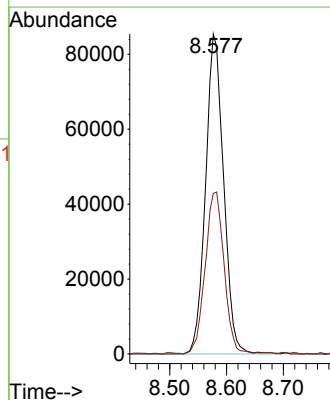
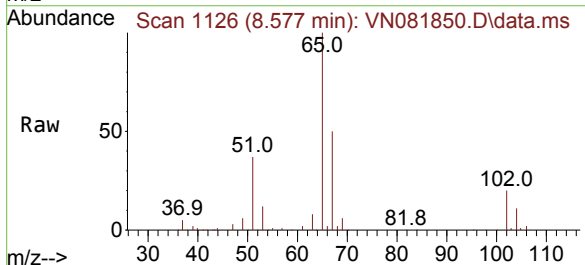
Instrument :
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ClientSampleId :
VN0425WBL01

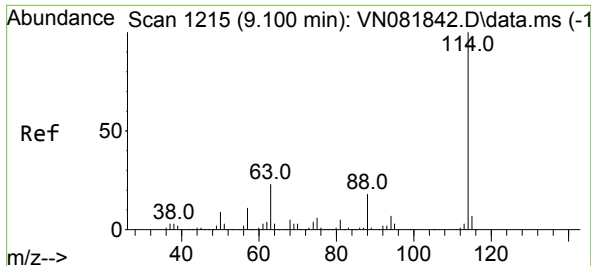
Tgt Ion: 56 Resp: 8322
Ion Ratio Lower Upper
56 100
69 158.1 24.4 36.6#
84 115.5 77.0 115.4#



#33
1,2-Dichloroethane-d4
Concen: 47.846 ug/l
RT: 8.577 min Scan# 1126
Delta R.T. 0.000 min
Lab File: VN081850.D
Acq: 25 Apr 2024 14:55

Tgt Ion: 65 Resp: 187814
Ion Ratio Lower Upper
65 100
67 53.1 0.0 103.0





#34

1,4-Difluorobenzene

Concen: 50.000 ug/l

RT: 9.100 min Scan# 1

Delta R.T. 0.000 min

Lab File: VN081850.D

Acq: 25 Apr 2024 14:55

Instrument :

MSVOA_N

ClientSampleId :

VN0425WBL01

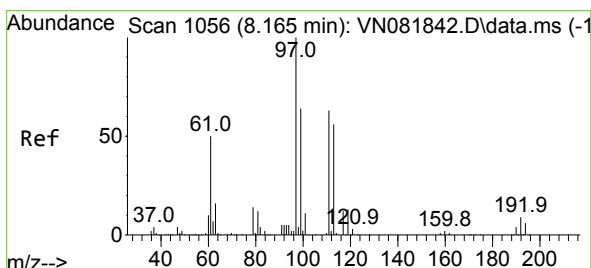
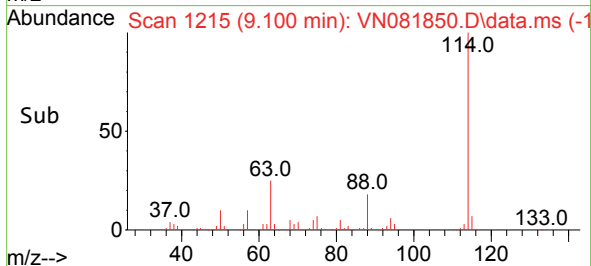
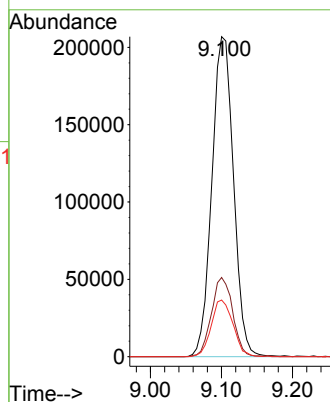
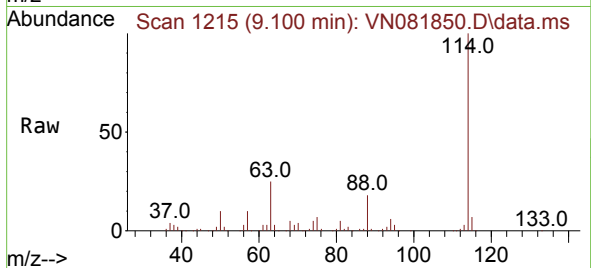
Tgt Ion:114 Resp: 437399

Ion Ratio Lower Upper

114 100

63 24.7 0.0 41.0

88 17.7 0.0 31.4



#35

Dibromofluoromethane

Concen: 50.105 ug/l

RT: 8.165 min Scan# 1056

Delta R.T. 0.000 min

Lab File: VN081850.D

Acq: 25 Apr 2024 14:55

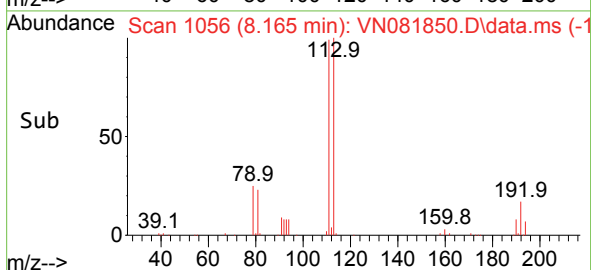
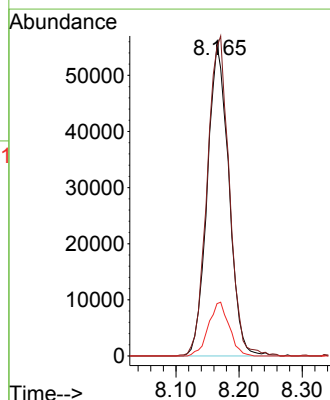
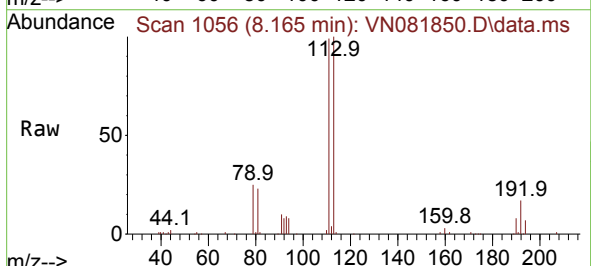
Tgt Ion:113 Resp: 131953

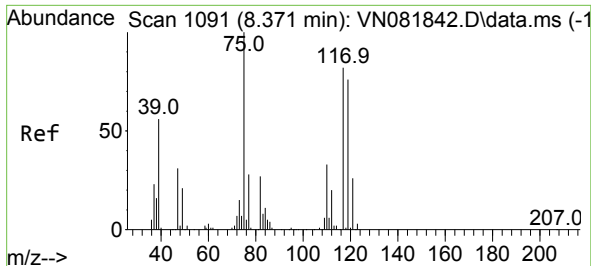
Ion Ratio Lower Upper

113 100

111 105.0 83.4 125.2

192 16.6 14.0 21.0





#36

1,1-Dichloropropene

Concen: 5.271 ug/l

RT: 8.230 min Scan# 1067

Delta R.T. -0.141 min

Lab File: VN081850.D

Acq: 25 Apr 2024 14:55

Instrument :

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ClientSampleId :

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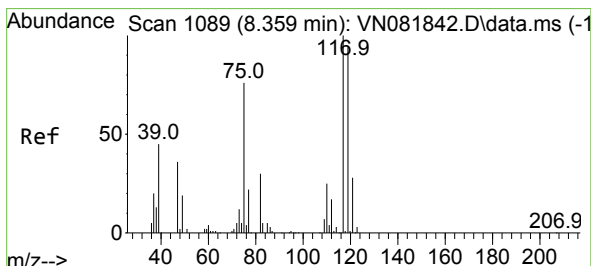
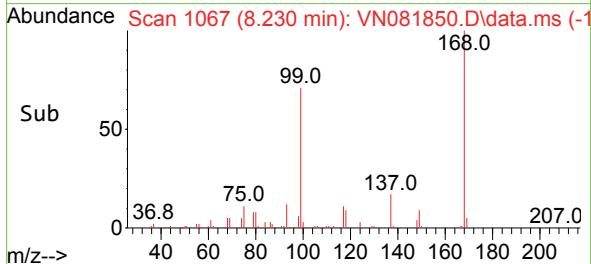
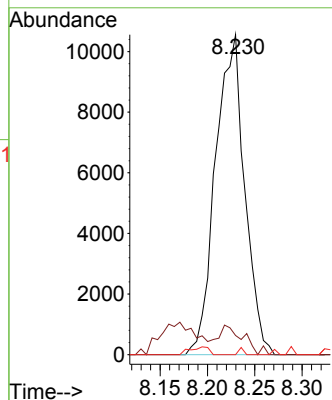
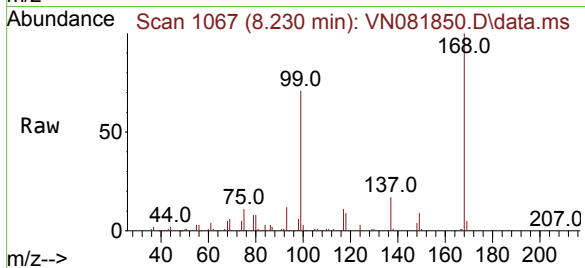
Tgt Ion: 75 Resp: 22583

Ion Ratio Lower Upper

75 100

110 8.3 17.8 53.5#

77 0.4 25.0 37.4#



#38

Carbon Tetrachloride

Concen: 6.418 ug/l

RT: 8.224 min Scan# 1066

Delta R.T. -0.135 min

Lab File: VN081850.D

Acq: 25 Apr 2024 14:55

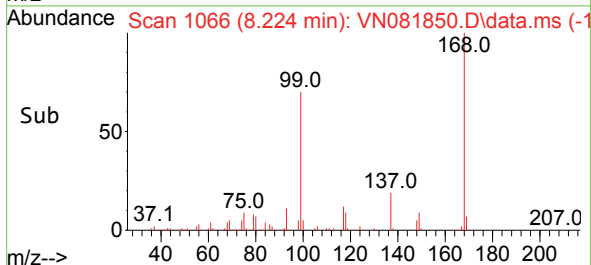
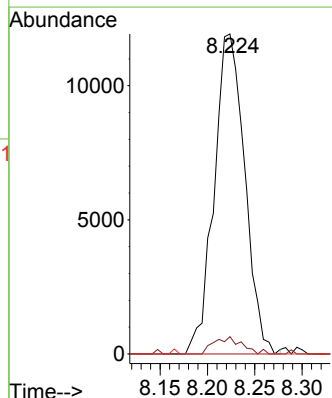
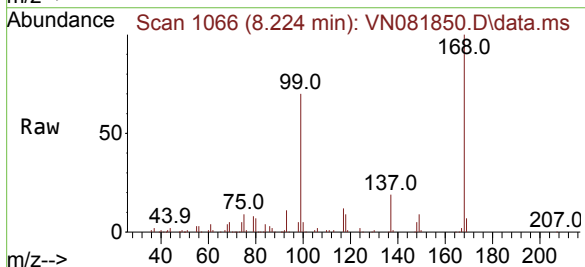
Tgt Ion: 117 Resp: 26876

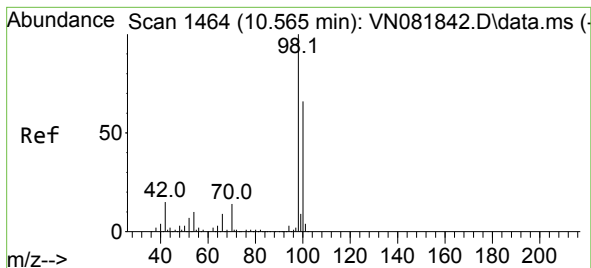
Ion Ratio Lower Upper

117 100

119 5.4 76.5 114.7#

121 0.0 23.9 35.9#





#50

Toluene-d8

Concen: 51.628 ug/l

RT: 10.565 min Scan# 1464

Delta R.T. 0.000 min

Lab File: VN081850.D

Acq: 25 Apr 2024 14:55

Instrument :

MSVOA_N

ClientSampleId :

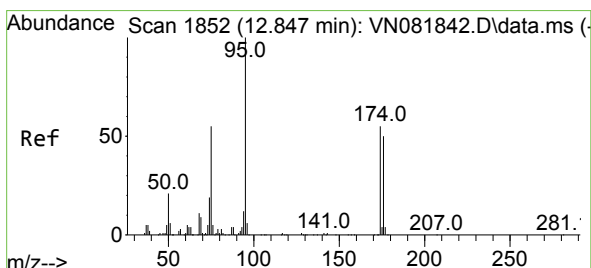
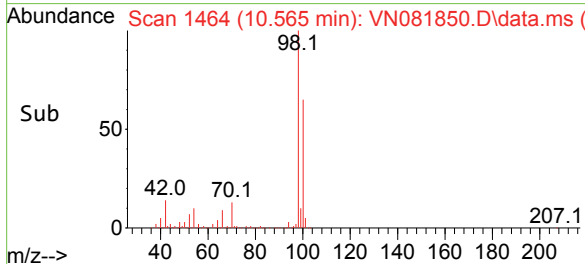
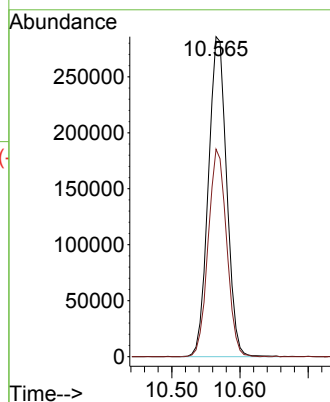
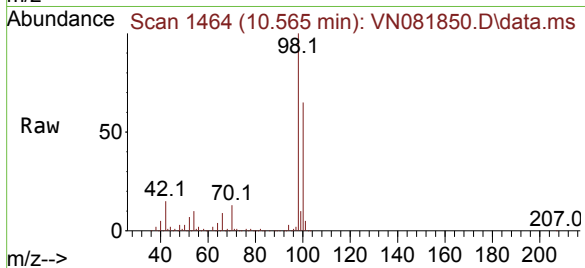
VN0425WBL01

Tgt Ion: 98 Resp: 533988

Ion Ratio Lower Upper

98 100

100 65.2 51.8 77.6



#62

4-Bromofluorobenzene

Concen: 47.820 ug/l

RT: 12.847 min Scan# 1852

Delta R.T. 0.000 min

Lab File: VN081850.D

Acq: 25 Apr 2024 14:55

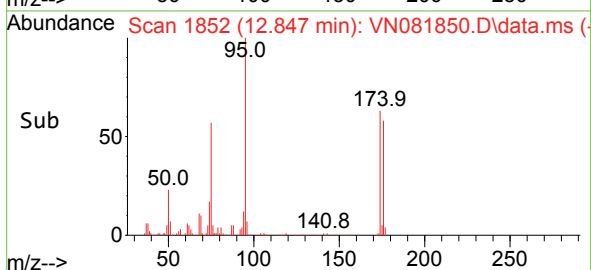
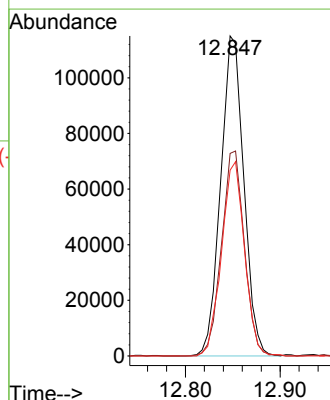
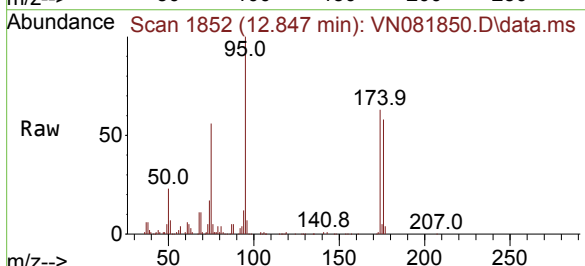
Tgt Ion: 95 Resp: 195518

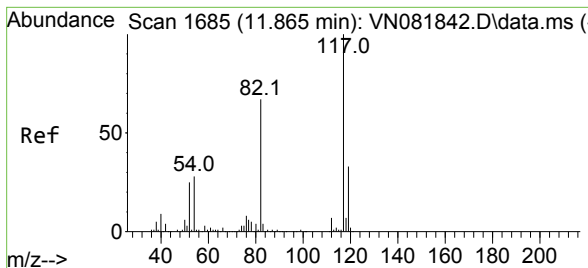
Ion Ratio Lower Upper

95 100

174 63.2 0.0 160.6

176 60.3 0.0 152.8





#63

Chlorobenzene-d5

Concen: 50.000 ug/l

RT: 11.865 min Scan# 1

Delta R.T. 0.000 min

Lab File: VN081850.D

Acq: 25 Apr 2024 14:55

Instrument :

MSVOA_N

ClientSampleId :

VN0425WBL01

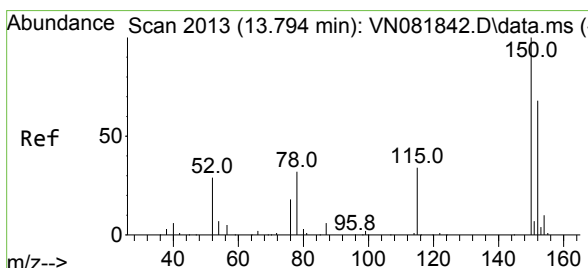
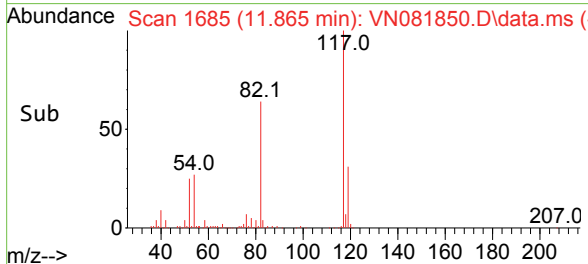
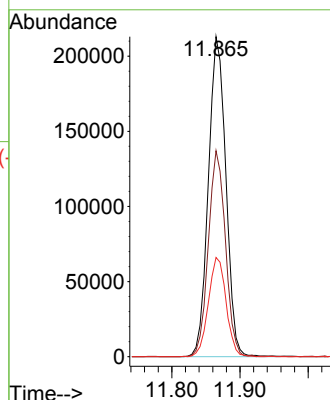
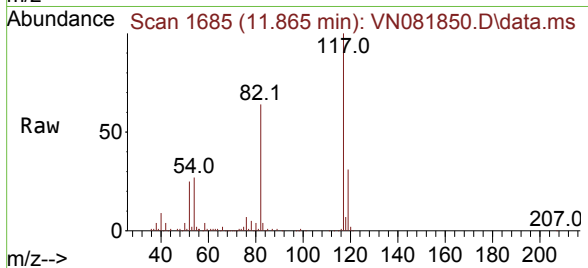
Tgt Ion:117 Resp: 380861

Ion Ratio Lower Upper

117 100

82 64.3 44.6 66.8

119 31.0 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: VN081850.D

Acq: 25 Apr 2024 14:55

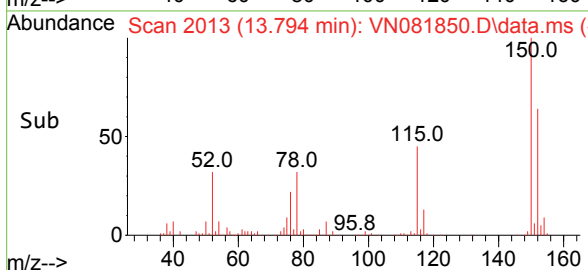
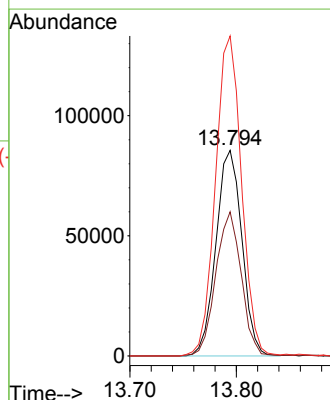
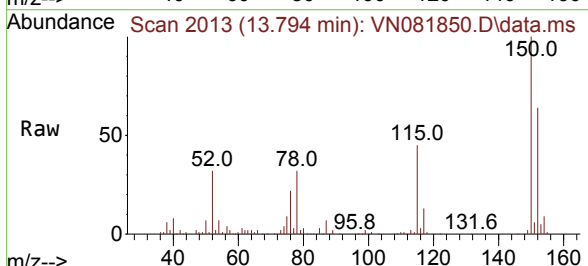
Tgt Ion:152 Resp: 144651

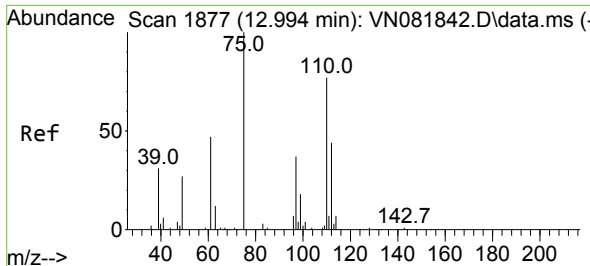
Ion Ratio Lower Upper

152 100

115 68.8 30.4 91.3

150 156.0 0.0 353.2

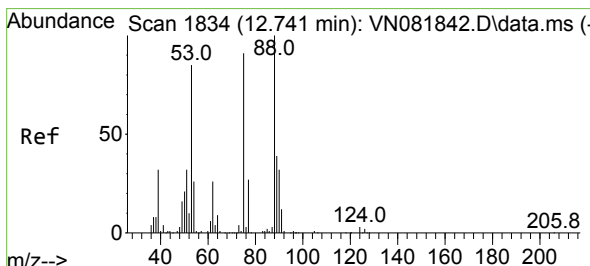
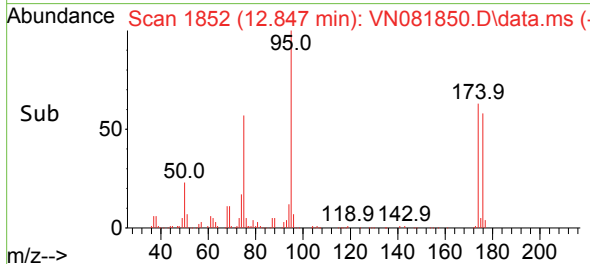
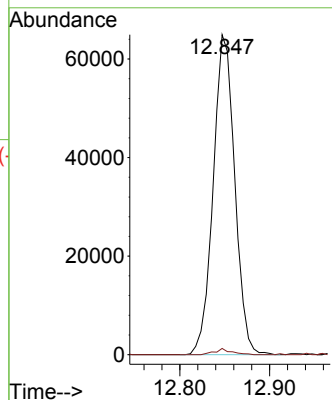
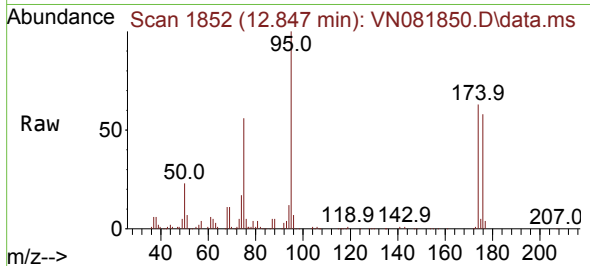




#76
1,2,3-Trichloropropane
Concen: 28.876 ug/l
RT: 12.847 min Scan# 1852
Delta R.T. -0.147 min
Lab File: VN081850.D
Acq: 25 Apr 2024 14:55

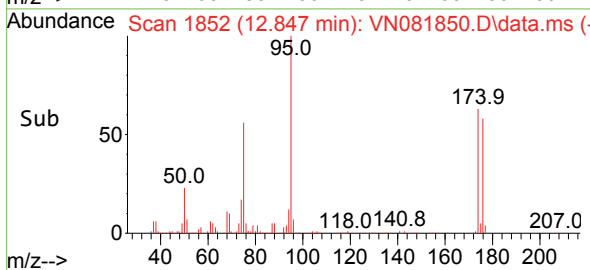
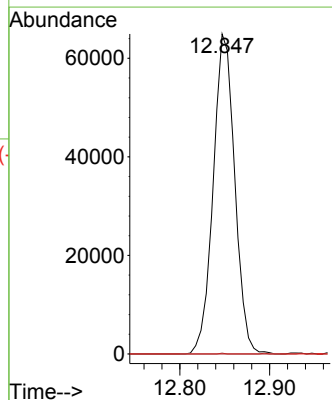
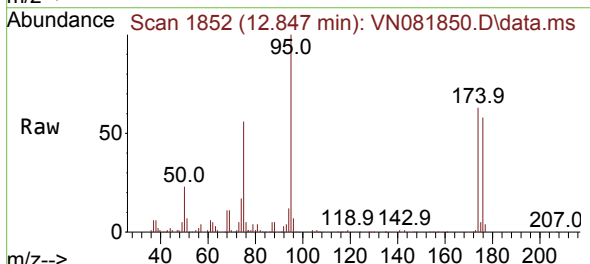
Instrument :
MSVOA_N
ClientSampleId :
VN0425WBL01

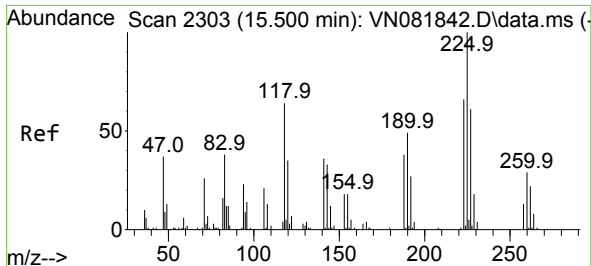
Tgt Ion: 75 Resp: 108299
Ion Ratio Lower Upper
75 100
77 1.5 90.5 271.3#



#81
trans-1,4-Dichloro-2-butene
Concen: 59.171 ug/l
RT: 12.847 min Scan# 1852
Delta R.T. 0.106 min
Lab File: VN081850.D
Acq: 25 Apr 2024 14:55

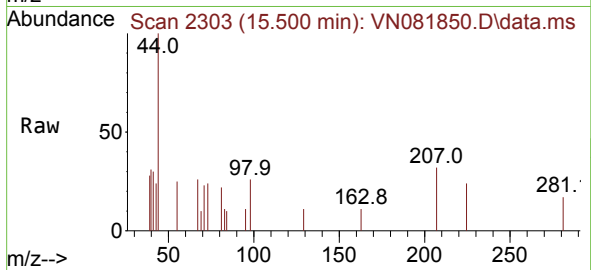
Tgt Ion: 75 Resp: 108299
Ion Ratio Lower Upper
75 100
53 0.1 72.9 109.3#
89 0.0 39.1 58.7#





#94
 Hexachlorobutadiene
 Concen: 0.231 ug/l
 RT: 15.500 min Scan# 21
 Delta R.T. 0.000 min
 Lab File: VN081850.D
 Acq: 25 Apr 2024 14:55

Instrument :
 MSVOA_N
 ClientSampleId :
 VN0425WBL01



Tgt Ion	Ratio	Lower	Upper
225	100		
223	0.0	31.1	93.2#
227	24.5	30.6	91.6#

