

Data Path : Z:\voasrv\HPCHEM1\MSVOA_N\Data\VN022324\
 Data File : VN081164.D
 Acq On : 23 Feb 2024 17:20
 Operator : JC\MD
 Sample : VN0224WBL03
 Misc : 5.0mL/MSVOA_N/WATER
 ALS Vial : 15 Sample Multiplier: 1

Instrument :
 MSVOA_N
 ClientSampleId :
 VN0223WBL03

Quant Time: Feb 23 22:01:00 2024
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_N\methods\82N021624W.M
 Quant Title : SW846 8260
 QLast Update : Fri Feb 16 23:45:20 2024
 Response via : Initial Calibration

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

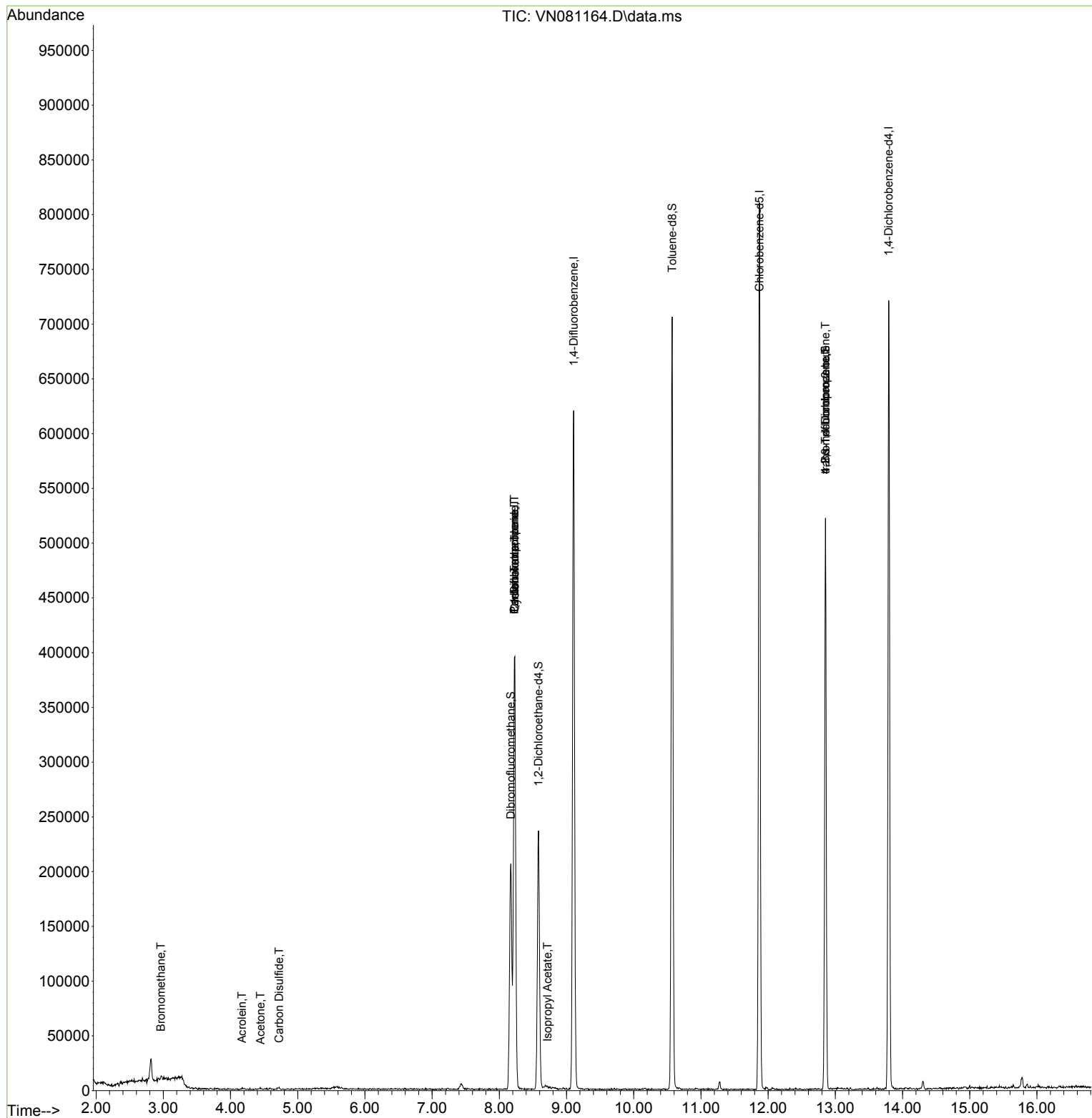
Internal Standards						
1) Pentafluorobenzene	8.224	168	279780	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	9.106	114	541170	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.871	117	465513	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.794	152	184112	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.583	65	185000	53.947	ug/l	0.00
Spiked Amount	50.000	Range	74 - 125	Recovery	= 107.900%	
35) Dibromofluoromethane	8.171	113	149935	48.996	ug/l	0.00
Spiked Amount	50.000	Range	75 - 124	Recovery	= 98.000%	
50) Toluene-d8	10.571	98	480977	44.253	ug/l	0.00
Spiked Amount	50.000	Range	86 - 113	Recovery	= 88.500%	
62) 4-Bromofluorobenzene	12.853	95	172701	42.287	ug/l	0.00
Spiked Amount	50.000	Range	83 - 123	Recovery	= 84.580%	
Target Compounds						
					Qvalue	
3) Chloromethane	2.359	50	1221	Below Cal		94
5) Bromomethane	2.965	94	1279	0.448 ug/l	#	72
6) Chloroethane	3.136	64	90	Below Cal	#	42
13) Acrolein	4.171	56	522	1.544 ug/l	#	1
16) Acetone	4.448	43	1155	0.856 ug/l	#	44
17) Carbon Disulfide	4.724	76	2000	0.227 ug/l	#	78
20) Methylene Chloride	5.277	84	262	Below Cal	#	4
31) Cyclohexane	8.230	56	7422	1.253 ug/l	#	8
36) 1,1-Dichloropropene	8.224	75	26697	5.092 ug/l	#	50
38) Carbon Tetrachloride	8.224	117	31598	5.957 ug/l	#	20
43) Isopropyl Acetate	8.718	43	3201	0.387 ug/l	#	57
76) 1,2,3-Trichloropropane	12.853	75	95749	22.889 ug/l	#	1
81) trans-1,4-Dichloro-2-b...	12.853	75	95749	58.915 ug/l	#	14

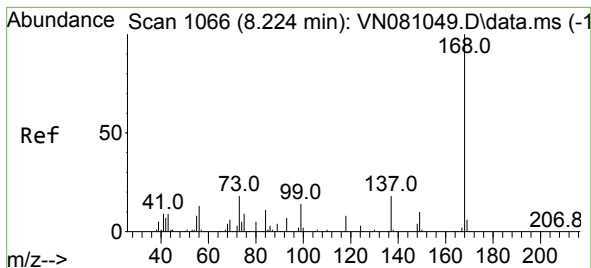
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 8.224 min Scan# 1

Delta R.T. -0.000 min

Lab File: VN081164.D

Acq: 23 Feb 2024 17:20

Instrument :

MSVOA_N

ClientSampleId :

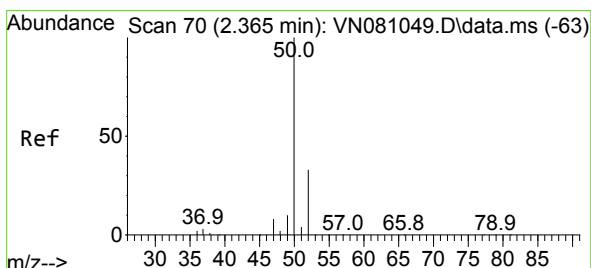
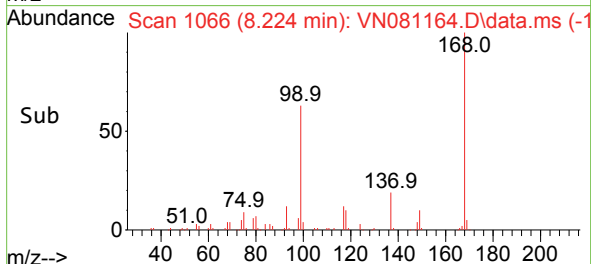
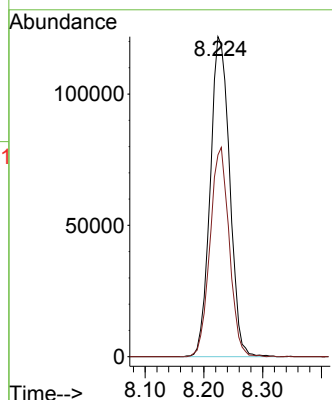
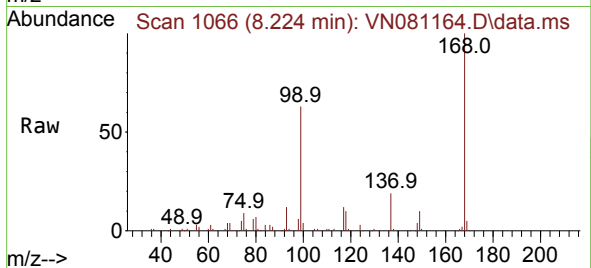
VN0223WBL03

Tgt Ion:168 Resp: 279780

Ion Ratio Lower Upper

168 100

99 63.1 59.9 89.9



#3

Chloromethane

Concen: Below Cal

RT: 2.359 min Scan# 69

Delta R.T. -0.006 min

Lab File: VN081164.D

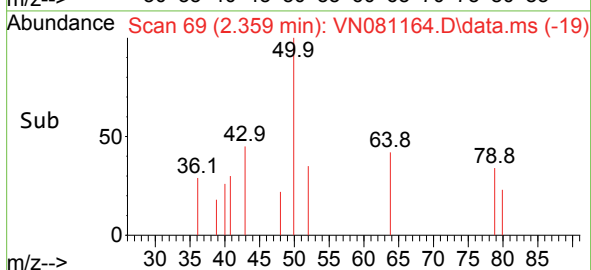
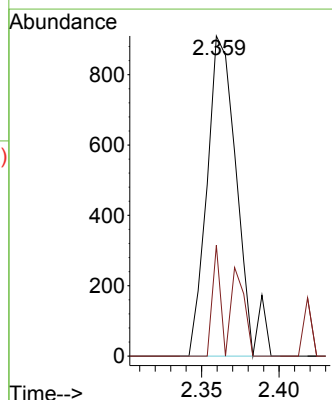
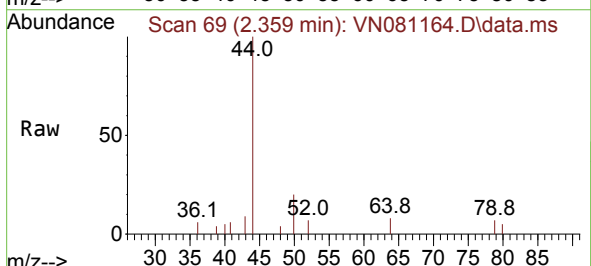
Acq: 23 Feb 2024 17:20

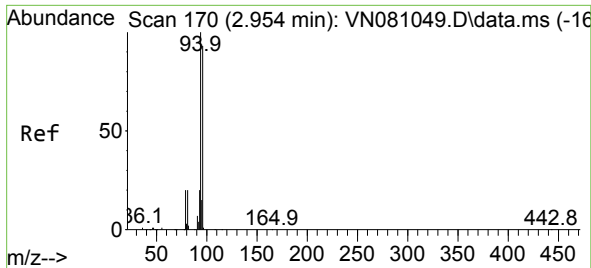
Tgt Ion: 50 Resp: 1221

Ion Ratio Lower Upper

50 100

52 34.6 25.0 37.4

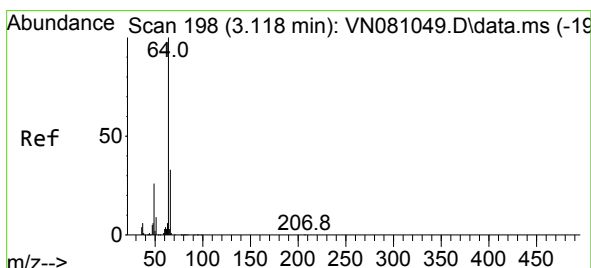
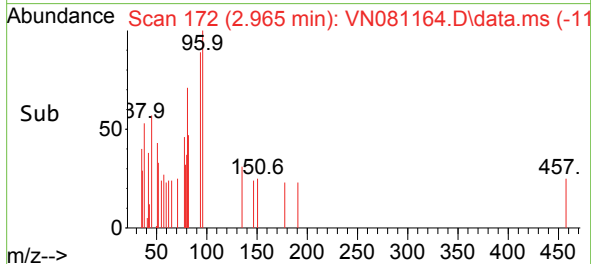
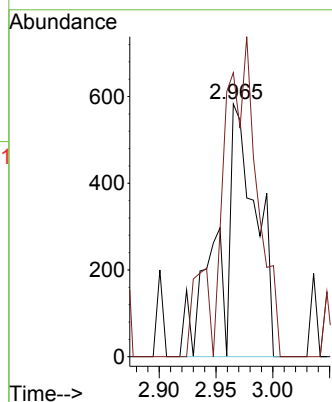
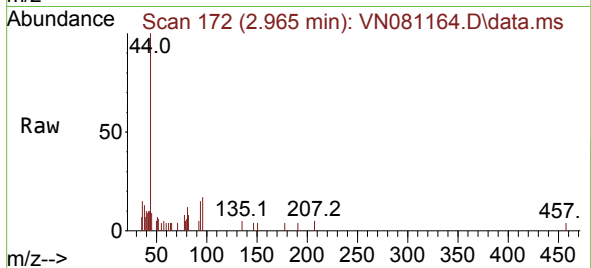




#5
Bromomethane
Concen: 0.448 ug/l
RT: 2.965 min Scan# 11
Delta R.T. 0.011 min
Lab File: VN081164.D
Acq: 23 Feb 2024 17:20

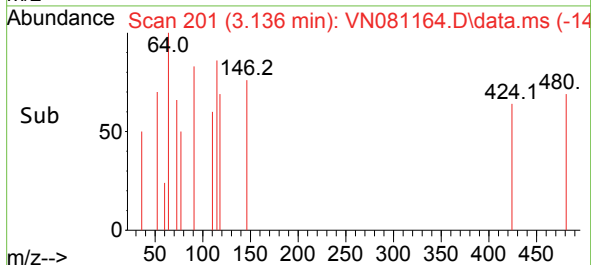
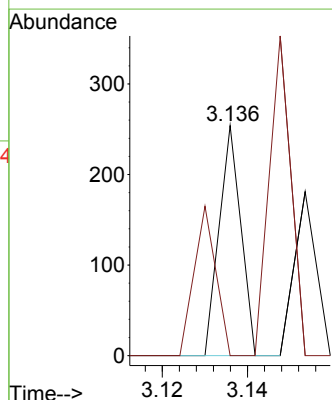
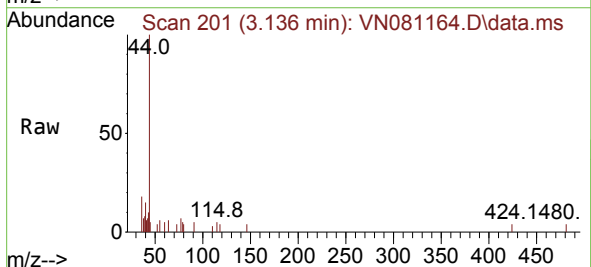
Instrument :
MSVOA_N
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VN0223WBL03

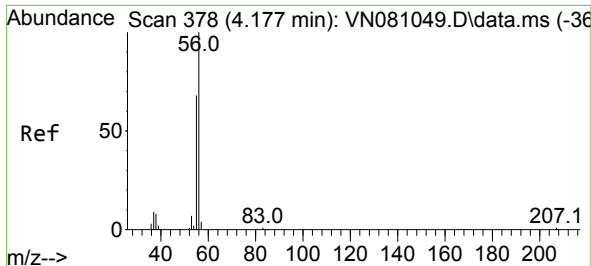
Tgt Ion: 94 Resp: 1279
Ion Ratio Lower Upper
94 100
96 112.3 69.2 103.8#



#6
Chloroethane
Concen: Below Cal
RT: 3.136 min Scan# 201
Delta R.T. 0.018 min
Lab File: VN081164.D
Acq: 23 Feb 2024 17:20

Tgt Ion: 64 Resp: 90
Ion Ratio Lower Upper
64 100
66 0.0 26.4 39.6#

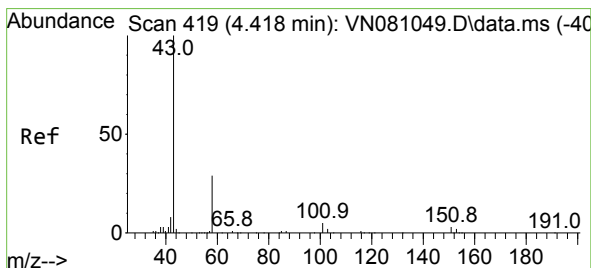
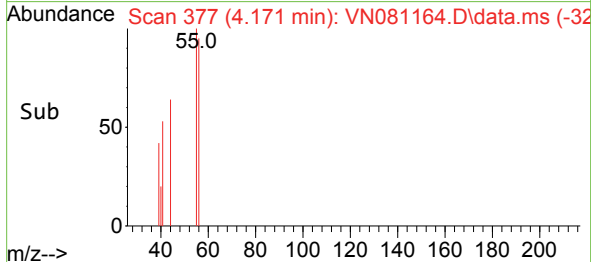
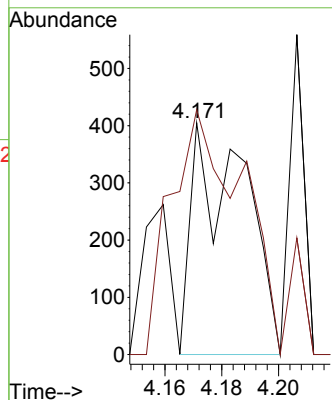
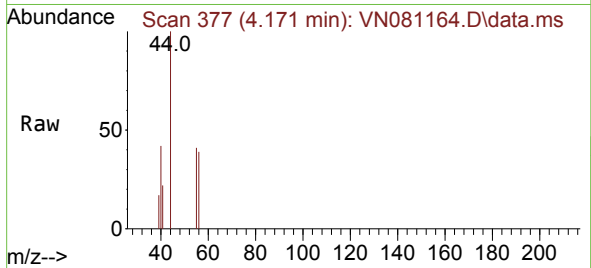




#13
Acrolein
Concen: 1.544 ug/l
RT: 4.171 min Scan# 31
Delta R.T. -0.006 min
Lab File: VN081164.D
Acq: 23 Feb 2024 17:20

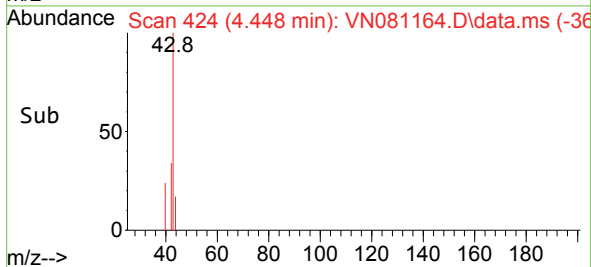
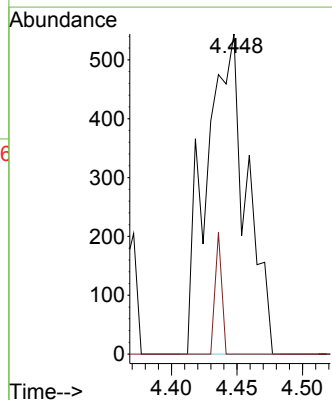
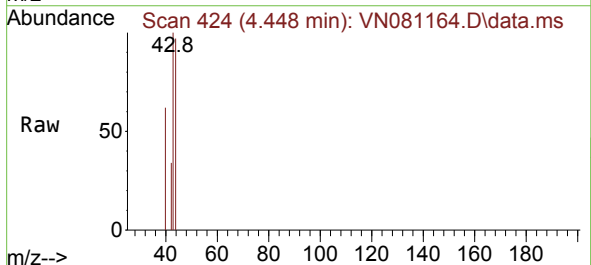
Instrument :
MSVOA_N
ClientSampleId :
VN0223WBL03

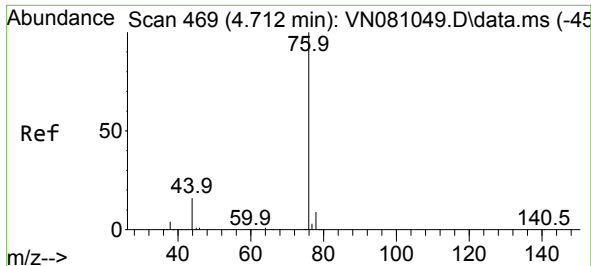
Tgt Ion: 56 Resp: 522
Ion Ratio Lower Upper
56 100
55 157.7 55.3 82.9#



#16
Acetone
Concen: 0.856 ug/l
RT: 4.448 min Scan# 424
Delta R.T. 0.029 min
Lab File: VN081164.D
Acq: 23 Feb 2024 17:20

Tgt Ion: 43 Resp: 1155
Ion Ratio Lower Upper
43 100
58 0.0 24.8 37.2#

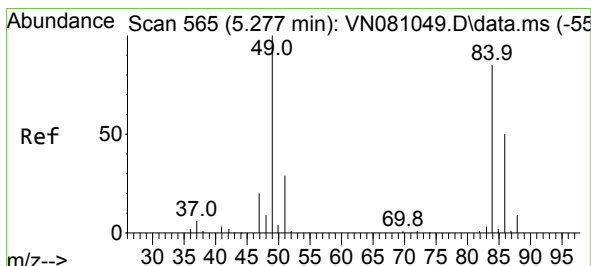
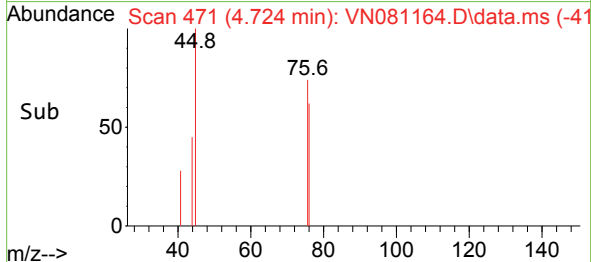
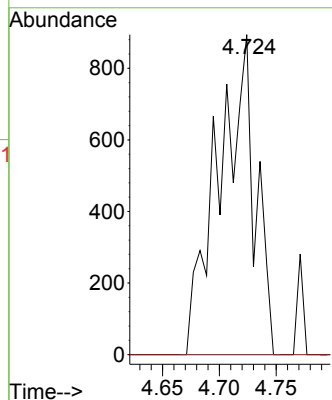
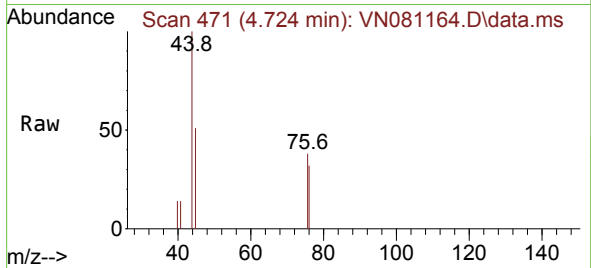




#17
Carbon Disulfide
Concen: 0.227 ug/l
RT: 4.724 min Scan# 41
Delta R.T. 0.012 min
Lab File: VN081164.D
Acq: 23 Feb 2024 17:20

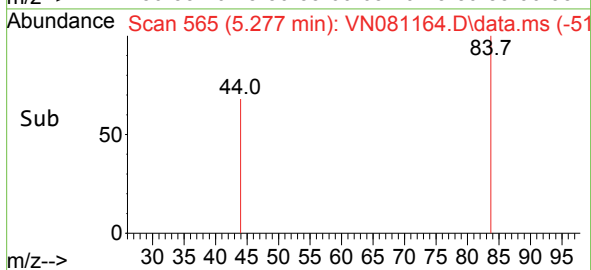
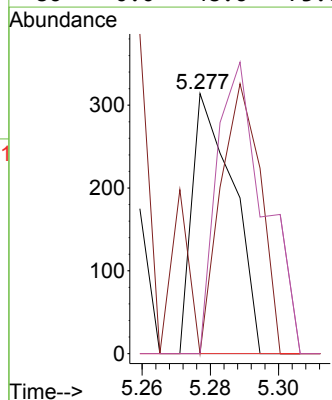
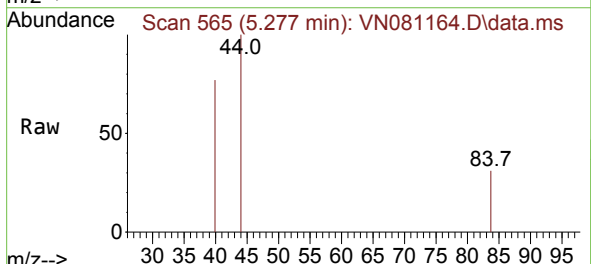
Instrument :
MSVOA_N
ClientSampleId :
VN0223WBL03

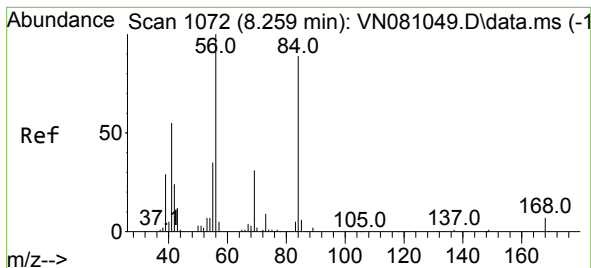
Tgt Ion: 76 Resp: 2000
Ion Ratio Lower Upper
76 100
78 0.0 6.3 9.5#



#20
Methylene Chloride
Concen: Below Cal
RT: 5.277 min Scan# 565
Delta R.T. -0.000 min
Lab File: VN081164.D
Acq: 23 Feb 2024 17:20

Tgt Ion: 84 Resp: 262
Ion Ratio Lower Upper
84 100
49 0.0 108.1 162.1#
51 0.0 32.9 49.3#
86 0.0 48.6 73.0#





#31

Cyclohexane

Concen: 1.253 ug/l

RT: 8.230 min Scan# 1067

Delta R.T. -0.029 min

Lab File: VN081164.D

Acq: 23 Feb 2024 17:20

Instrument :

MSVOA_N

ClientSampleId :

VN0223WBL03

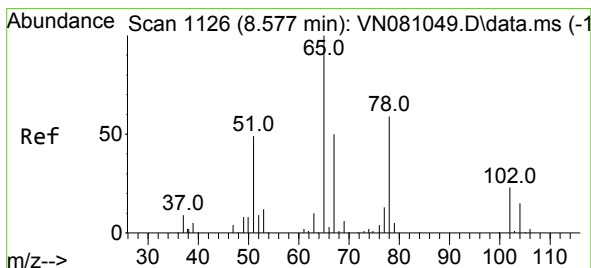
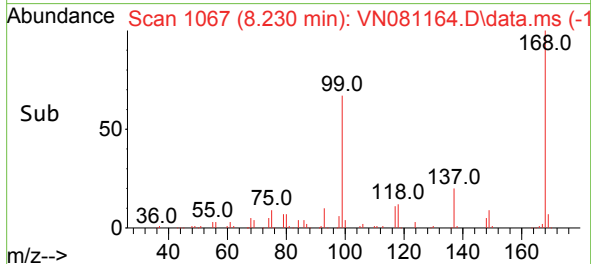
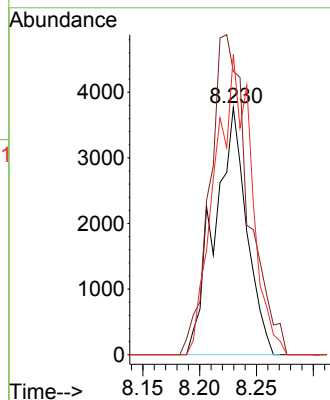
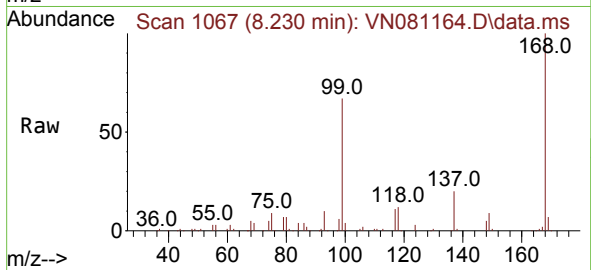
Tgt Ion: 56 Resp: 7422

Ion Ratio Lower Upper

56 100

69 114.7 20.1 30.1#

84 121.4 56.9 85.3#



#33

1,2-Dichloroethane-d4

Concen: 53.947 ug/l

RT: 8.583 min Scan# 1127

Delta R.T. 0.006 min

Lab File: VN081164.D

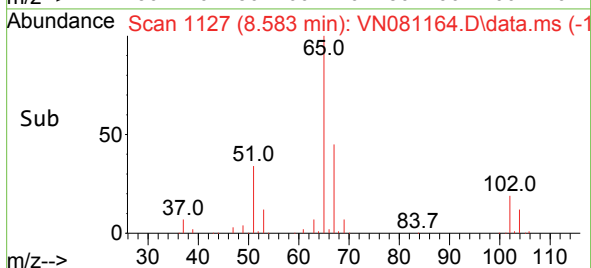
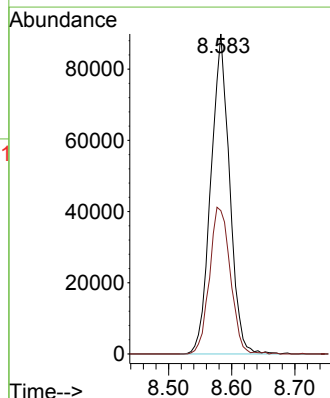
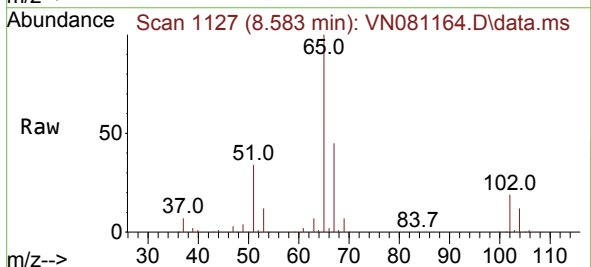
Acq: 23 Feb 2024 17:20

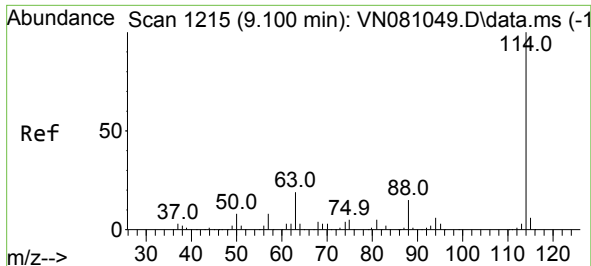
Tgt Ion: 65 Resp: 185000

Ion Ratio Lower Upper

65 100

67 51.1 0.0 102.4





#34

1,4-Difluorobenzene

Concen: 50.000 ug/l

RT: 9.106 min Scan# 11

Delta R.T. 0.006 min

Lab File: VN081164.D

Acq: 23 Feb 2024 17:20

Instrument :

MSVOA_N

ClientSampleId :

VN0223WBL03

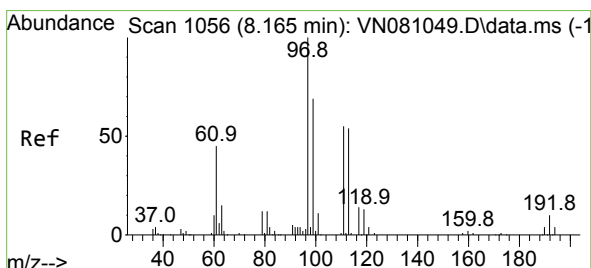
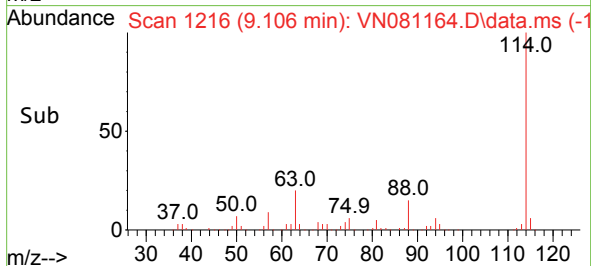
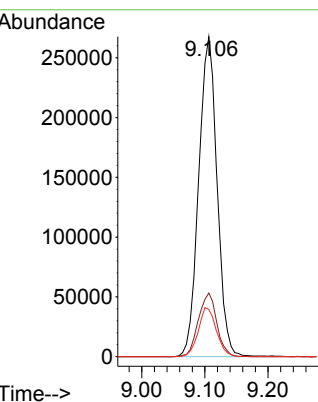
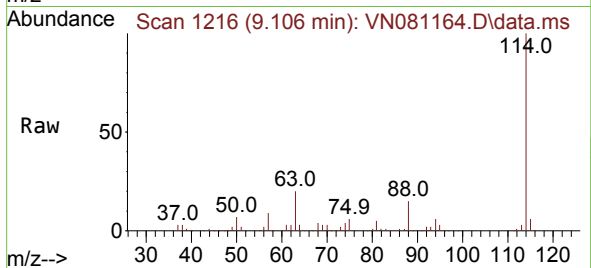
Tgt Ion:114 Resp: 541170

Ion Ratio Lower Upper

114 100

63 19.9 0.0 48.0

88 14.7 0.0 34.8



#35

Dibromofluoromethane

Concen: 48.996 ug/l

RT: 8.171 min Scan# 1057

Delta R.T. 0.006 min

Lab File: VN081164.D

Acq: 23 Feb 2024 17:20

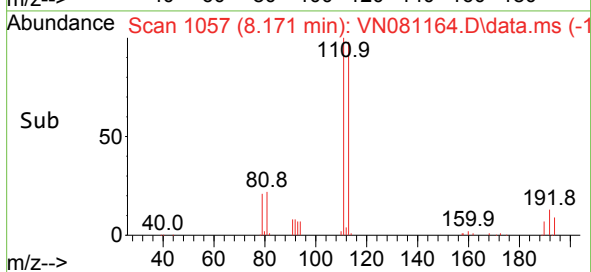
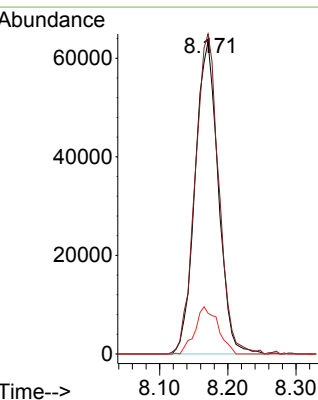
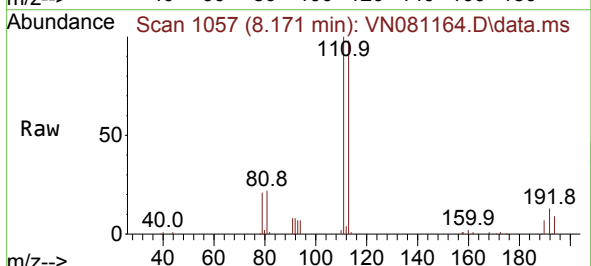
Tgt Ion:113 Resp: 149935

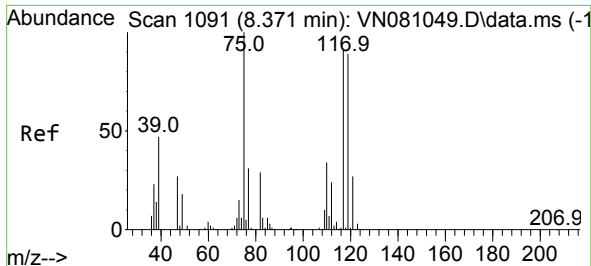
Ion Ratio Lower Upper

113 100

111 104.3 82.2 123.4

192 15.1 12.5 18.7





#36

1,1-Dichloropropene

Concen: 5.092 ug/l

RT: 8.224 min Scan# 1066

Delta R.T. -0.147 min

Lab File: VN081164.D

Acq: 23 Feb 2024 17:20

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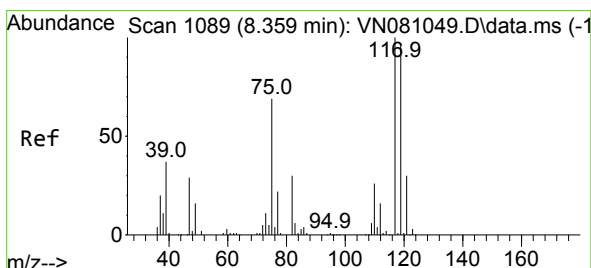
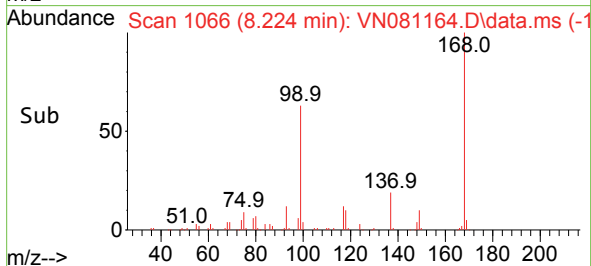
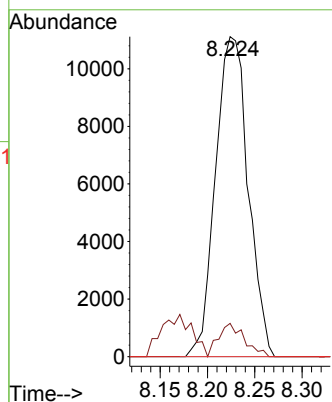
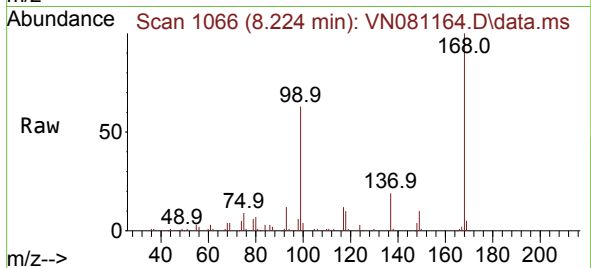
Tgt Ion: 75 Resp: 26697

Ion Ratio Lower Upper

75 100

110 8.3 16.0 48.0#

77 0.0 25.8 38.6#



#38

Carbon Tetrachloride

Concen: 5.957 ug/l

RT: 8.224 min Scan# 1066

Delta R.T. -0.135 min

Lab File: VN081164.D

Acq: 23 Feb 2024 17:20

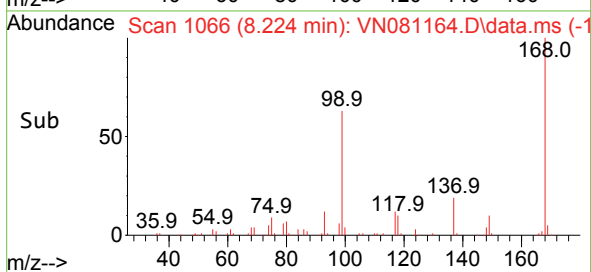
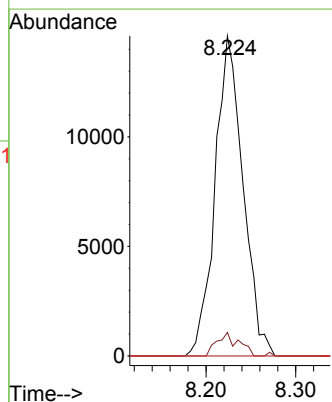
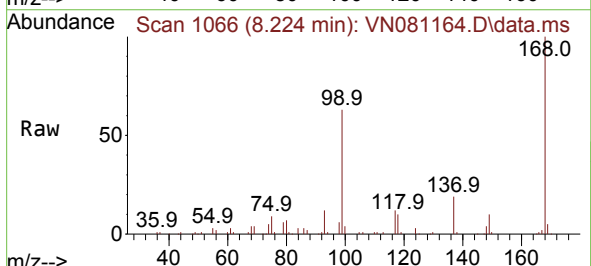
Tgt Ion: 117 Resp: 31598

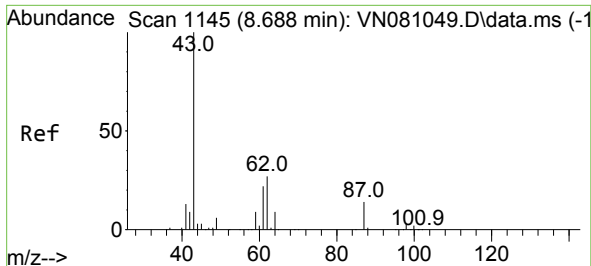
Ion Ratio Lower Upper

117 100

119 7.4 73.4 110.2#

121 0.0 24.4 36.6#

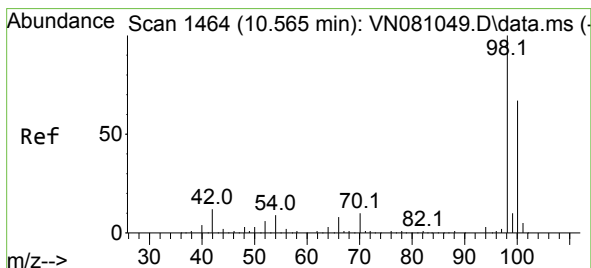
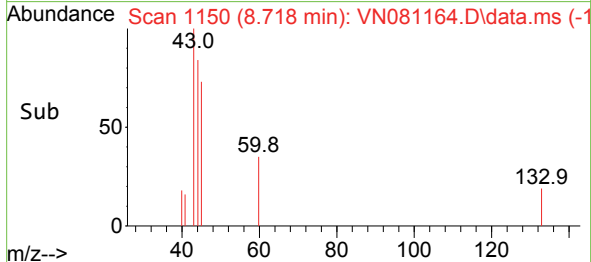
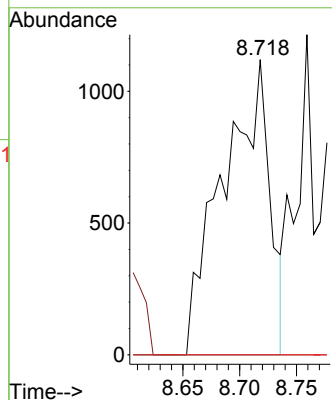
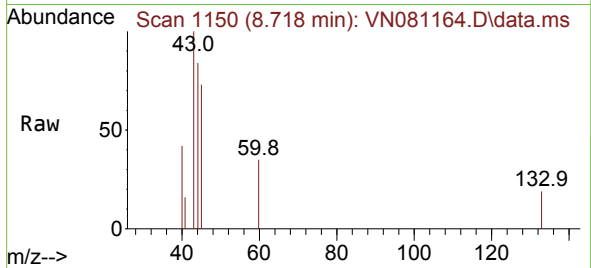




#43
Isopropyl Acetate
Concen: 0.387 ug/l
RT: 8.718 min Scan# 1145
Delta R.T. 0.029 min
Lab File: VN081164.D
Acq: 23 Feb 2024 17:20

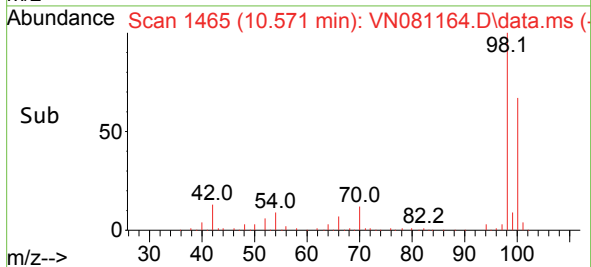
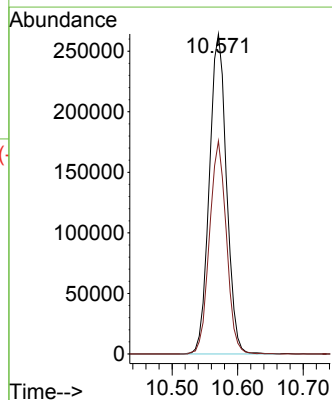
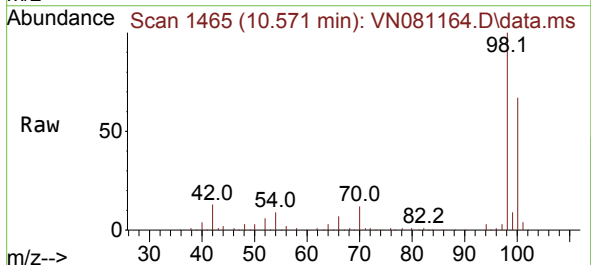
Instrument :
MSVOA_N
ClientSampleId :
VN0223WBL03

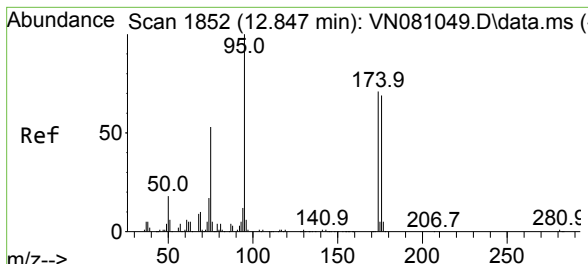
Tgt Ion: 43 Resp: 3201
Ion Ratio Lower Upper
43 100
61 0.0 19.9 29.9#
87 0.0 9.0 13.6#



#50
Toluene-d8
Concen: 44.253 ug/l
RT: 10.571 min Scan# 1465
Delta R.T. 0.006 min
Lab File: VN081164.D
Acq: 23 Feb 2024 17:20

Tgt Ion: 98 Resp: 480977
Ion Ratio Lower Upper
98 100
100 65.5 51.4 77.0

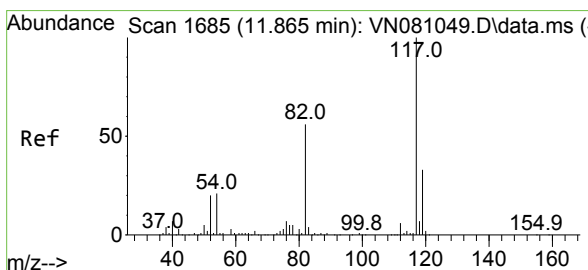
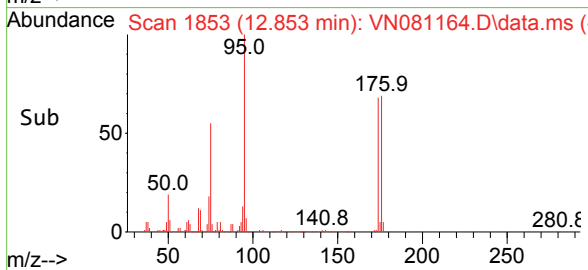
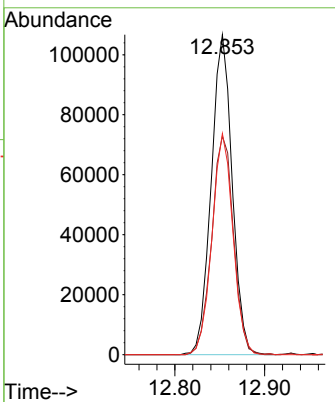
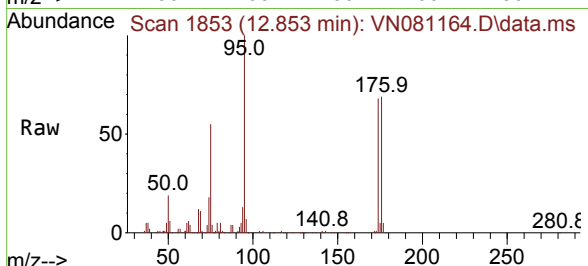




#62
 4-Bromofluorobenzene
 Concen: 42.287 ug/l
 RT: 12.853 min Scan# 1853
 Delta R.T. 0.006 min
 Lab File: VN081164.D
 Acq: 23 Feb 2024 17:20

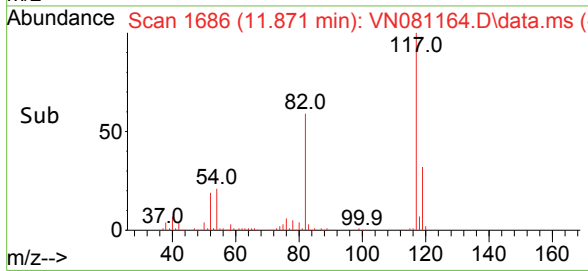
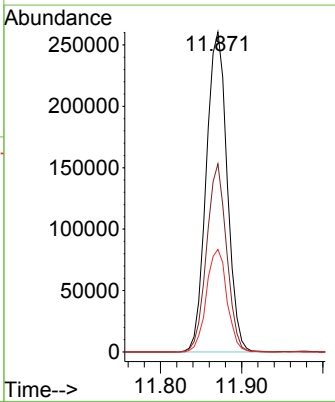
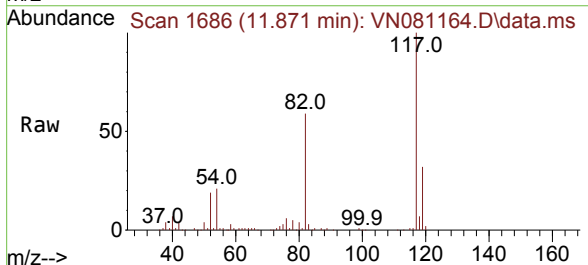
Instrument :
 MSVOA_N
 ClientSampleId :
 VN0223WBL03

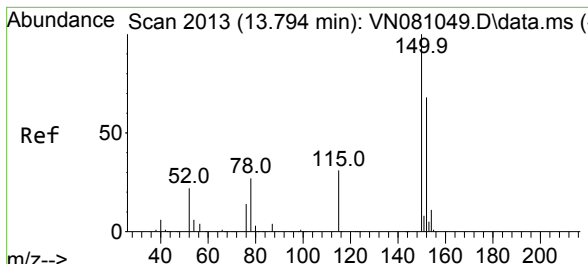
Tgt Ion:	95	Resp:	172701
Ion	Ratio	Lower	Upper
95	100		
174	71.2	0.0	120.4
176	69.4	0.0	121.0



#63
 Chlorobenzene-d5
 Concen: 50.000 ug/l
 RT: 11.871 min Scan# 1686
 Delta R.T. 0.006 min
 Lab File: VN081164.D
 Acq: 23 Feb 2024 17:20

Tgt Ion:	117	Resp:	465513
Ion	Ratio	Lower	Upper
117	100		
82	58.8	52.7	79.1
119	32.1	25.3	37.9

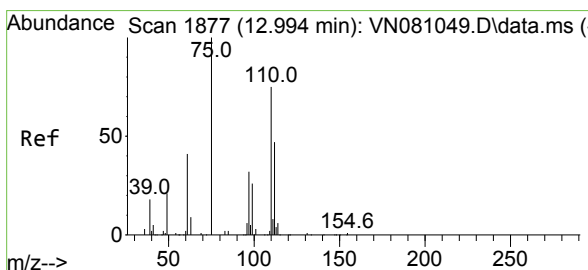
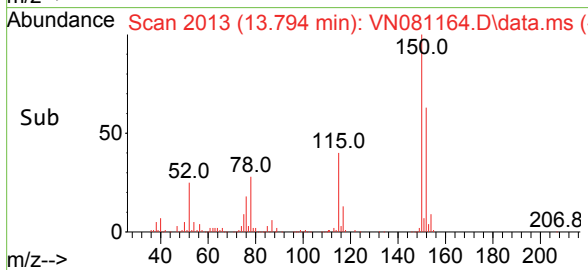
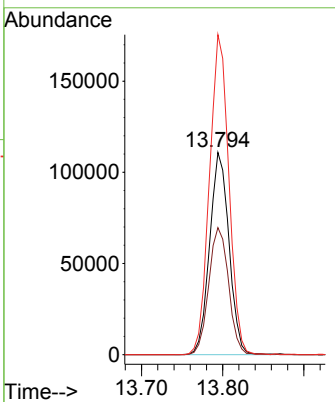
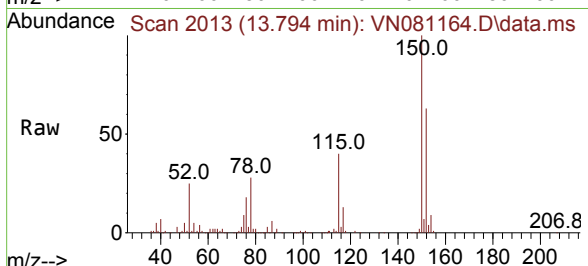




#72
 1,4-Dichlorobenzene-d4
 Concen: 50.000 ug/l
 RT: 13.794 min Scan# 20
 Delta R.T. 0.000 min
 Lab File: VN081164.D
 Acq: 23 Feb 2024 17:20

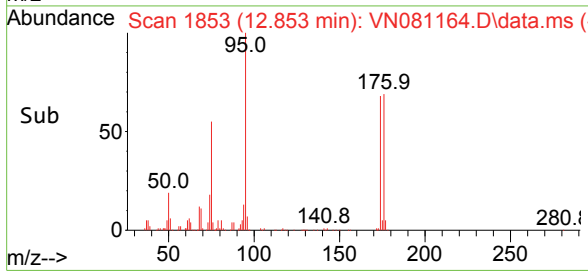
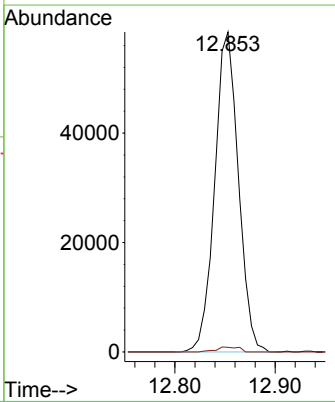
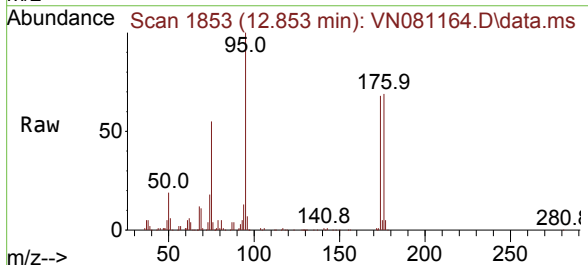
Instrument :
 MSVOA_N
 ClientSampleId :
 VN0223WBL03

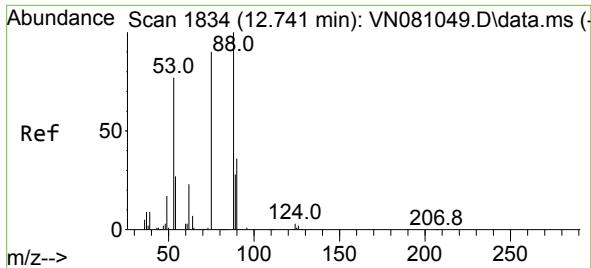
Tgt Ion:	152	Resp:	184112
Ion Ratio	Lower	Upper	
152	100		
115	64.2	32.3	96.8
150	158.2	0.0	339.8



#76
 1,2,3-Trichloropropane
 Concen: 22.889 ug/l
 RT: 12.853 min Scan# 1853
 Delta R.T. -0.141 min
 Lab File: VN081164.D
 Acq: 23 Feb 2024 17:20

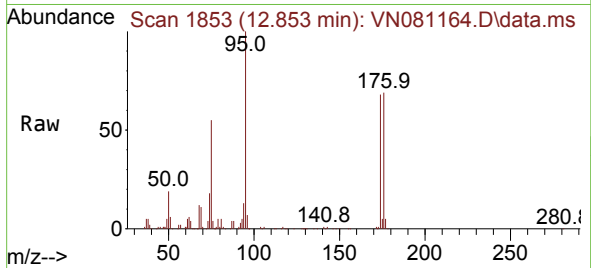
Tgt Ion:	75	Resp:	95749
Ion Ratio	Lower	Upper	
75	100		
77	1.5	91.0	272.8#





#81
trans-1,4-Dichloro-2-butene
Concen: 58.915 ug/l
RT: 12.853 min Scan# 11
Delta R.T. 0.112 min
Lab File: VN081164.D
Acq: 23 Feb 2024 17:20

Instrument :
MSVOA_N
ClientSampleId :
VN0223WBL03



Tgt Ion: 75 Resp: 95749
Ion Ratio Lower Upper
75 100
53 0.1 71.4 107.2#
89 0.0 33.4 50.0#

