

Data Path : Z:\voasrv\HPCHEM1\MSVOA_N\Data\VN022824\
 Data File : VN081247.D
 Acq On : 28 Feb 2024 16:53
 Operator : JC\MD
 Sample : P1590-13
 Misc : 5.0mL/MSVOA_N/WATER
 ALS Vial : 13 Sample Multiplier: 1

Instrument :
 MSVOA_N
 ClientSampleId :
 MW181S-20240223

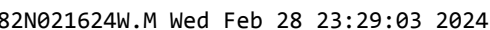
Quant Time: Feb 28 23:28:51 2024
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_N\methods\82N021624W.M
 Quant Title : SW846 8260
 QLast Update : Fri Feb 16 23:45:20 2024
 Response via : Initial Calibration

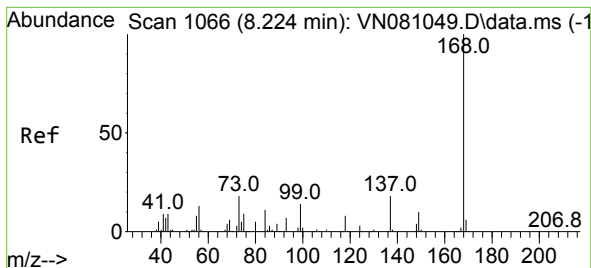
Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)

Internal Standards						
1) Pentafluorobenzene	8.229	168	308900	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	9.106	114	578466	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.870	117	504974	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.794	152	190627	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.582	65	211370	55.826	ug/l	0.00
Spiked Amount	50.000	Range	74 - 125	Recovery	= 111.660%	
35) Dibromofluoromethane	8.171	113	162980	49.825	ug/l	0.00
Spiked Amount	50.000	Range	75 - 124	Recovery	= 99.640%	
50) Toluene-d8	10.570	98	642457	55.299	ug/l	0.00
Spiked Amount	50.000	Range	86 - 113	Recovery	= 110.600%	
62) 4-Bromofluorobenzene	12.853	95	203917	46.711	ug/l	0.00
Spiked Amount	50.000	Range	83 - 123	Recovery	= 93.420%	
Target Compounds						
					Qvalue	
3) Chloromethane	2.365	50	1154	Below Cal		95
5) Bromomethane	2.977	94	1234	0.392 ug/l	#	45
6) Chloroethane	3.130	64	64	Below Cal	#	42
12) 1,1-Dichloroethene	4.347	96	1932	0.553 ug/l	#	59
13) Acrolein	4.194	56	593	1.589 ug/l	#	15
16) Acetone	4.441	43	2458	1.650 ug/l	#	44
20) Methylene Chloride	5.288	84	2250	Below Cal	#	84
24) 1,1-Dichloroethane	6.565	63	3425	0.504 ug/l	#	81
27) cis-1,2-Dichloroethene	7.494	96	3332	0.736 ug/l		75
30) Chloroform	7.971	83	4253	0.588 ug/l	#	79
31) Cyclohexane	8.229	56	8451	1.293 ug/l	#	1
32) 1,1,1-Trichloroethane	8.177	97	2532	0.385 ug/l	#	40
36) 1,1-Dichloropropene	8.224	75	29034	5.181 ug/l	#	51
38) Carbon Tetrachloride	8.229	117	34847	6.146 ug/l	#	19
44) Trichloroethene	9.353	130	4588	1.062 ug/l		87
49) 1,4-Dioxane	9.700	88	165	Below Cal	#	18
51) 4-Methyl-2-Pentanone	10.559	43	3295	0.648 ug/l	#	1
52) Toluene	10.635	92	20160	1.963 ug/l		96
60) Dibromochloromethane	11.106	129	5213	1.242 ug/l	#	10
64) Tetrachloroethene	11.112	164	4660	1.352 ug/l	#	72
76) 1,2,3-Trichloropropane	12.853	75	109833	25.359 ug/l	#	1
81) trans-1,4-Dichloro-2-b...	12.853	75	109833	65.271 ug/l	#	14

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

Quant Time: Feb 28 23:28:51 2024
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_N\methods\82N021624W.M
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QLast Update : Fri Feb 16 23:45:20 2024
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#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 8.229 min Scan# 1

Delta R.T. 0.005 min

Lab File: VN081247.D

Acq: 28 Feb 2024 16:53

Instrument :

MSVOA_N

ClientSampleId :

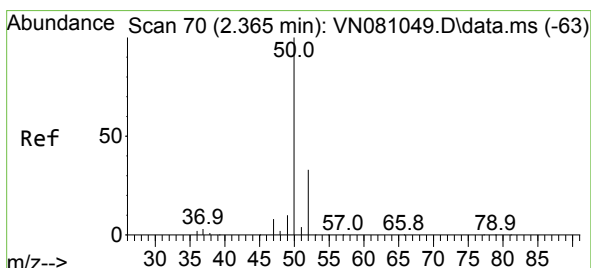
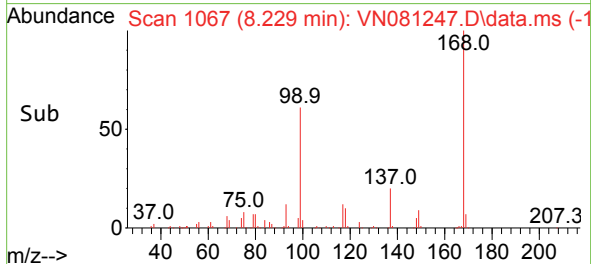
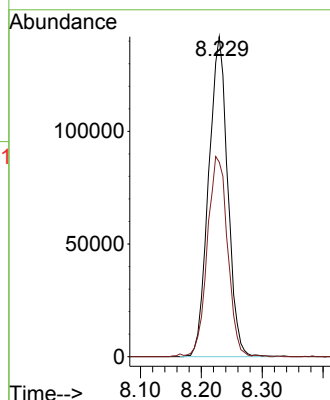
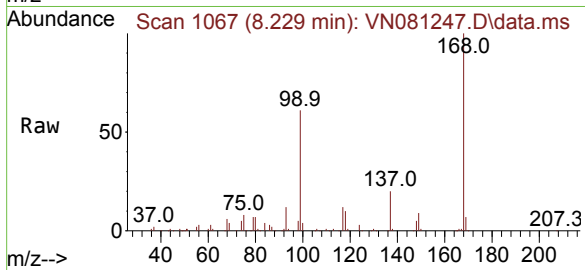
MW181S-20240223

Tgt Ion:168 Resp: 308900

Ion Ratio Lower Upper

168 100

99 60.6 59.9 89.9



#3

Chloromethane

Concen: Below Cal

RT: 2.365 min Scan# 70

Delta R.T. 0.000 min

Lab File: VN081247.D

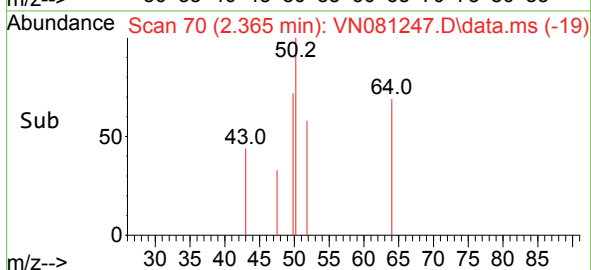
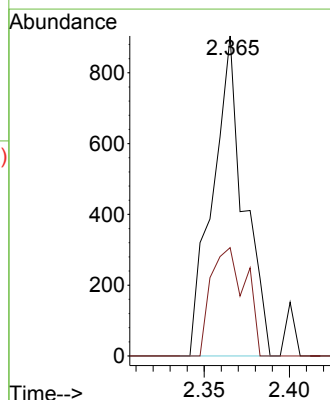
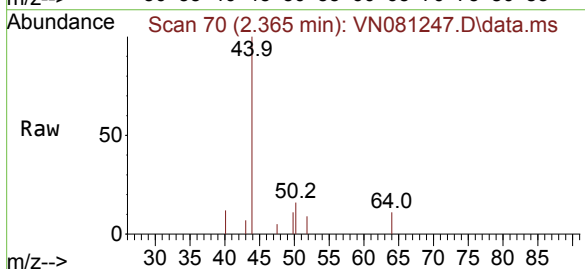
Acq: 28 Feb 2024 16:53

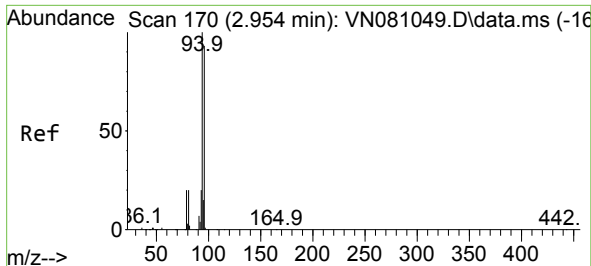
Tgt Ion: 50 Resp: 1154

Ion Ratio Lower Upper

50 100

52 33.8 25.0 37.4

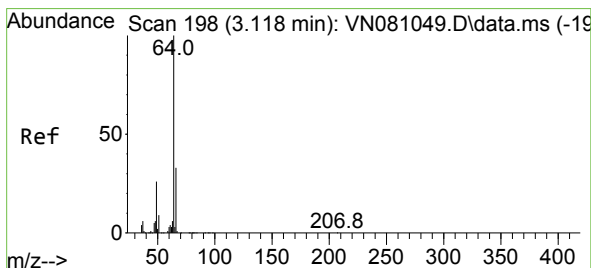
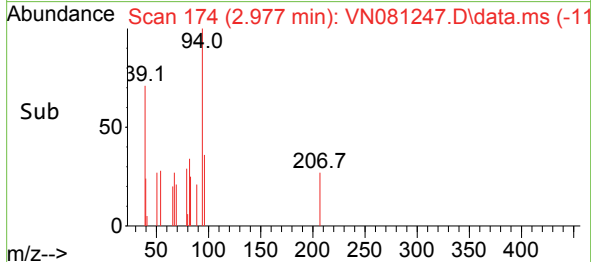
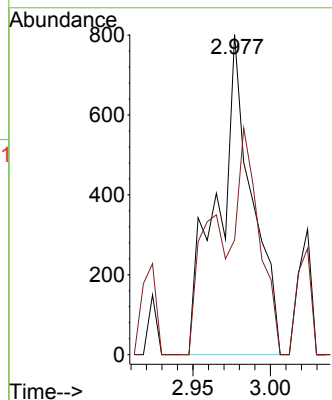
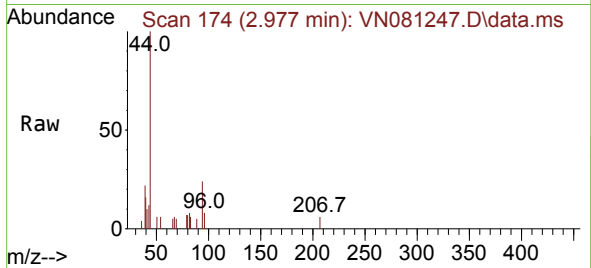




#5
Bromomethane
Concen: 0.392 ug/l
RT: 2.977 min Scan# 11
Delta R.T. 0.023 min
Lab File: VN081247.D
Acq: 28 Feb 2024 16:53

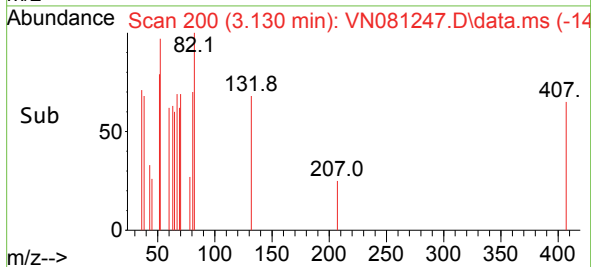
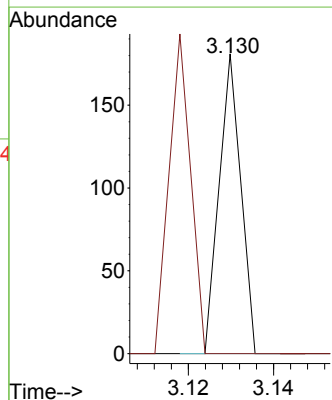
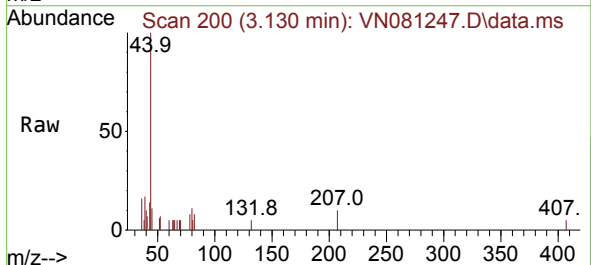
Instrument :
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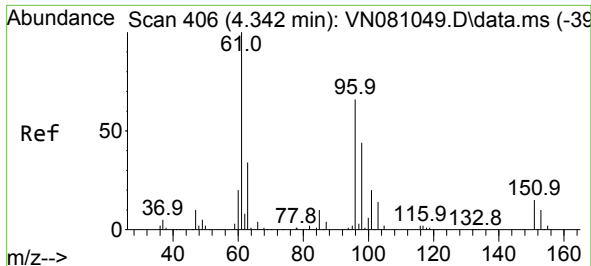
Tgt Ion: 94 Resp: 1234
Ion Ratio Lower Upper
94 100
96 35.8 69.2 103.8#



#6
Chloroethane
Concen: Below Cal
RT: 3.130 min Scan# 200
Delta R.T. 0.012 min
Lab File: VN081247.D
Acq: 28 Feb 2024 16:53

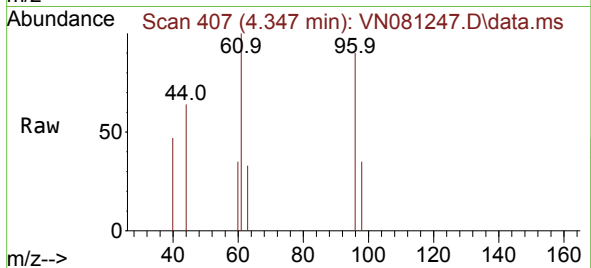
Tgt Ion: 64 Resp: 64
Ion Ratio Lower Upper
64 100
66 0.0 26.4 39.6#



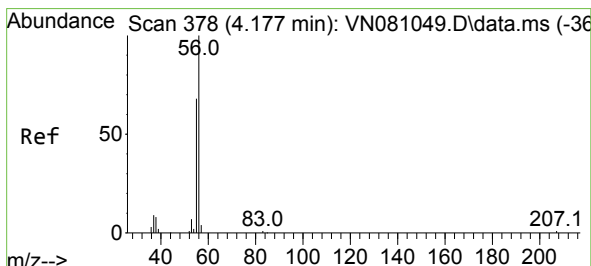
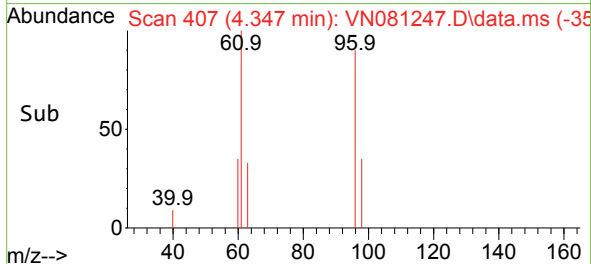
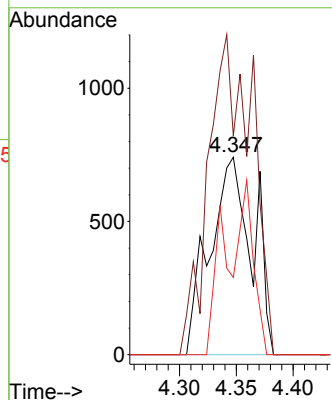


#12
1,1-Dichloroethene
Concen: 0.553 ug/l
RT: 4.347 min Scan# 406
Delta R.T. 0.005 min
Lab File: VN081247.D
Acq: 28 Feb 2024 16:53

Instrument :
MSVOA_N
ClientSampleId :
MW181S-20240223

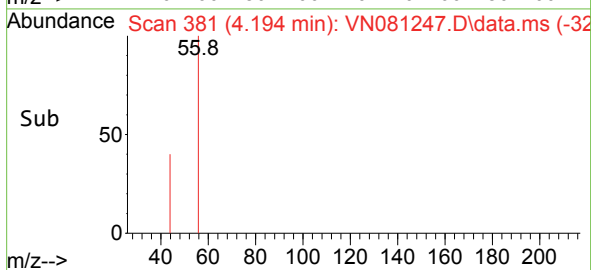
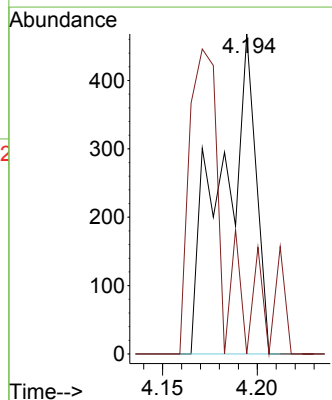
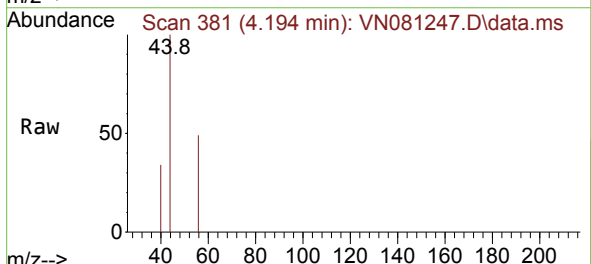


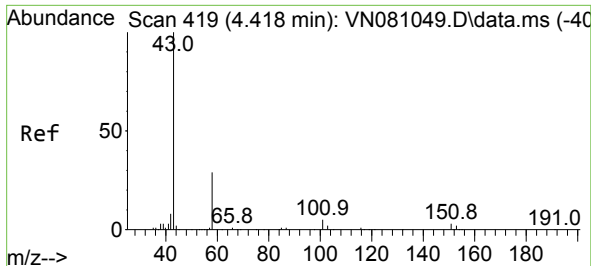
Tgt Ion: 96 Resp: 1932
Ion Ratio Lower Upper
96 100
61 110.8 138.2 207.4#
98 39.1 49.2 73.8#



#13
Acrolein
Concen: 1.589 ug/l
RT: 4.194 min Scan# 381
Delta R.T. 0.017 min
Lab File: VN081247.D
Acq: 28 Feb 2024 16:53

Tgt Ion: 56 Resp: 593
Ion Ratio Lower Upper
56 100
55 0.0 55.3 82.9#





#16

Acetone

Concen: 1.650 ug/l

RT: 4.441 min Scan# 41

Delta R.T. 0.023 min

Lab File: VN081247.D

Acq: 28 Feb 2024 16:53

Instrument :

MSVOA_N

ClientSampleId :

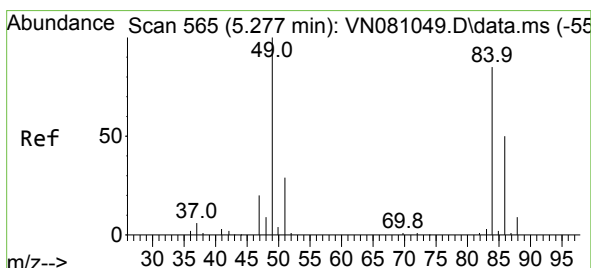
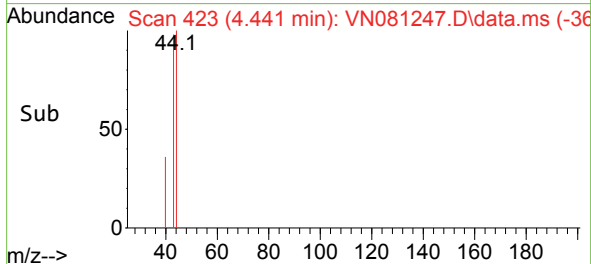
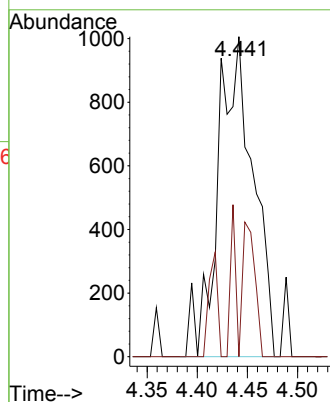
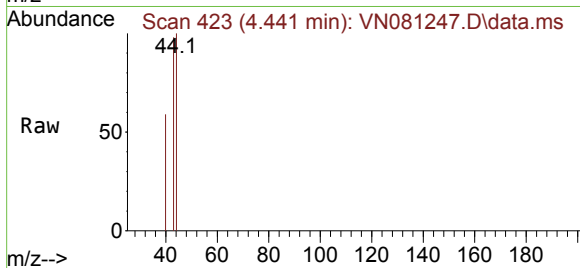
MW181S-20240223

Tgt Ion: 43 Resp: 2458

Ion Ratio Lower Upper

43 100

58 0.0 24.8 37.2#



#20

Methylene Chloride

Concen: Below Cal

RT: 5.288 min Scan# 567

Delta R.T. 0.011 min

Lab File: VN081247.D

Acq: 28 Feb 2024 16:53

Tgt Ion: 84 Resp: 2250

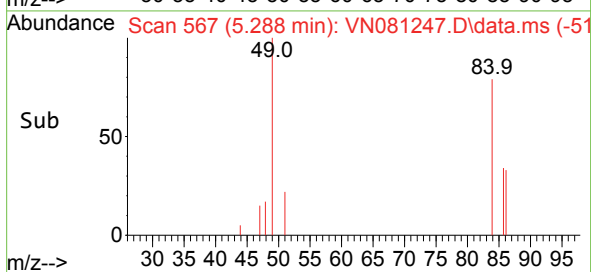
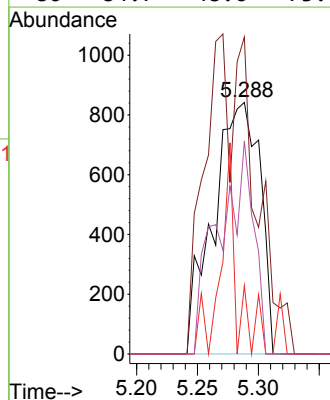
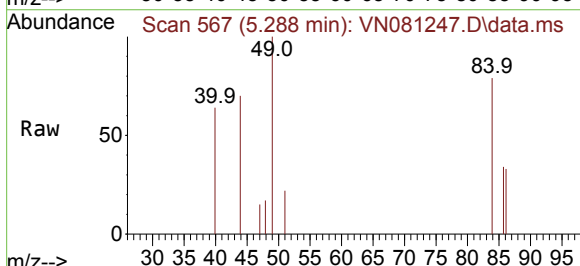
Ion Ratio Lower Upper

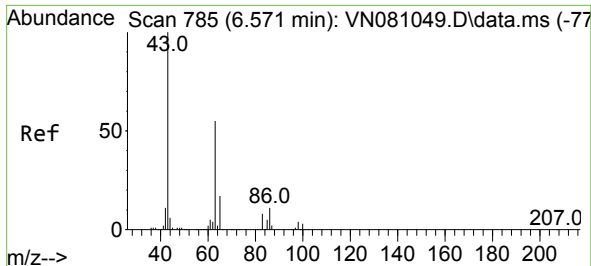
84 100

49 126.0 108.1 162.1

51 27.2 32.9 49.3#

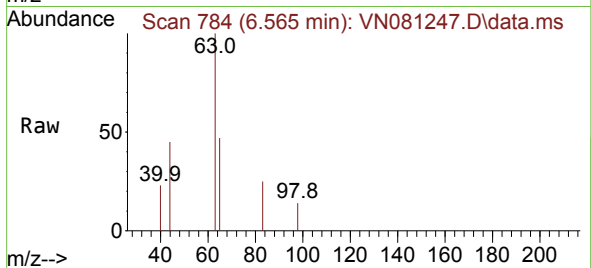
86 84.7 48.6 73.0#



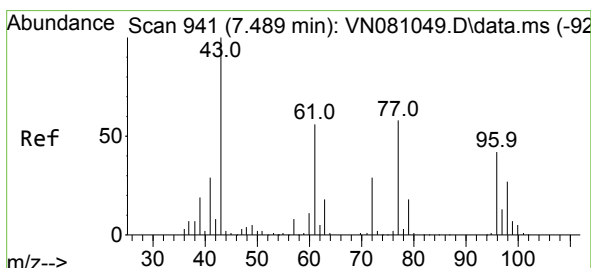
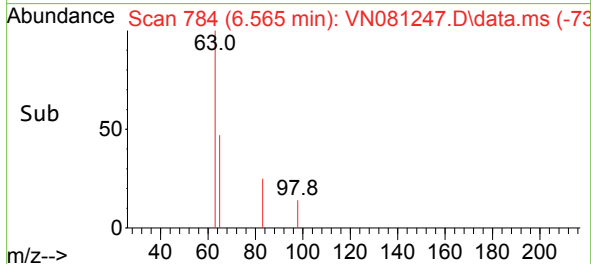
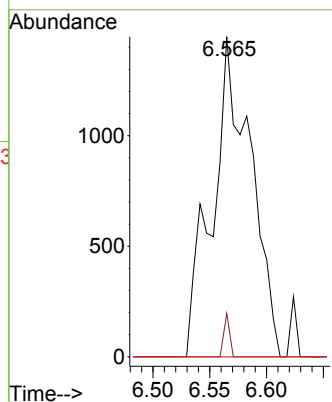


#24
1,1-Dichloroethane
Concen: 0.504 ug/l
RT: 6.565 min Scan# 784
Delta R.T. -0.006 min
Lab File: VN081247.D
Acq: 28 Feb 2024 16:53

Instrument :
MSVOA_N
ClientSampleId :
MW181S-20240223

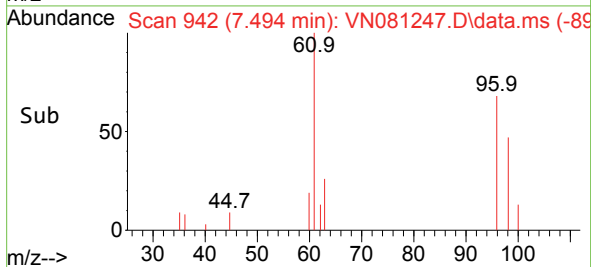
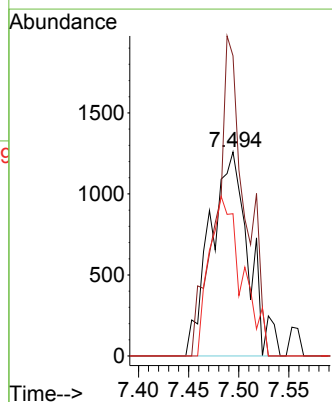
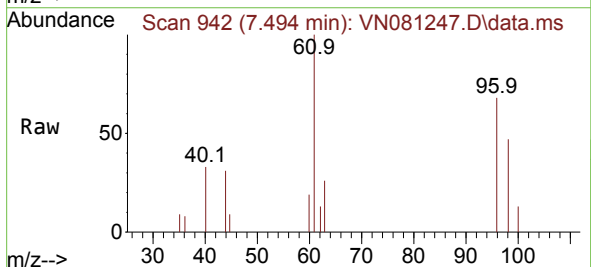


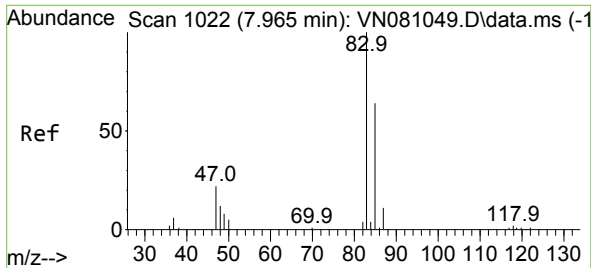
Tgt Ion: 63 Resp: 3425
Ion Ratio Lower Upper
63 100
98 13.5 2.9 8.6#
100 0.0 1.9 5.7#



#27
cis-1,2-Dichloroethene
Concen: 0.736 ug/l
RT: 7.494 min Scan# 942
Delta R.T. 0.006 min
Lab File: VN081247.D
Acq: 28 Feb 2024 16:53

Tgt Ion: 96 Resp: 3332
Ion Ratio Lower Upper
96 100
61 117.5 0.0 325.4
98 67.7 0.0 130.4

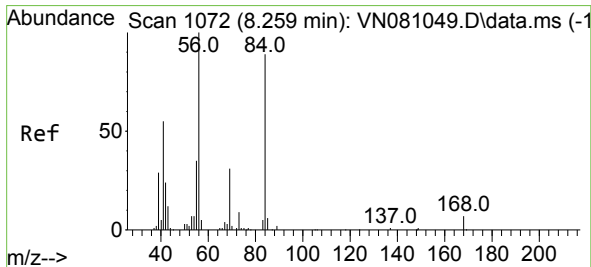
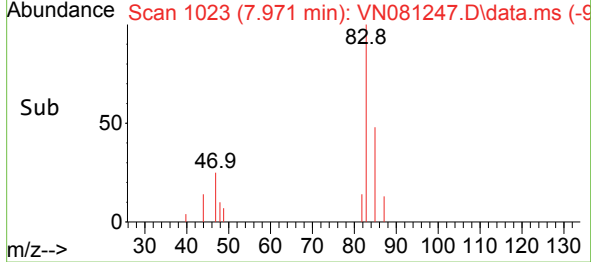
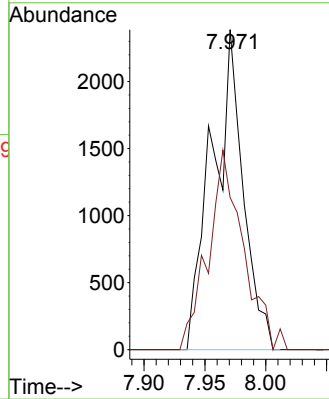
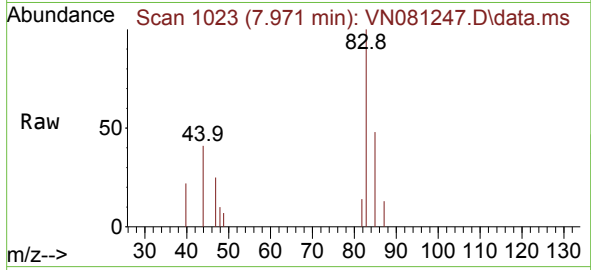




#30
Chloroform
Concen: 0.588 ug/l
RT: 7.971 min Scan# 1067
Delta R.T. 0.006 min
Lab File: VN081247.D
Acq: 28 Feb 2024 16:53

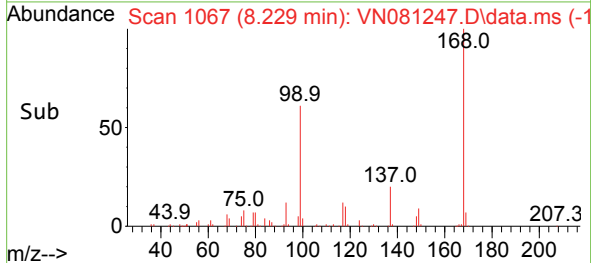
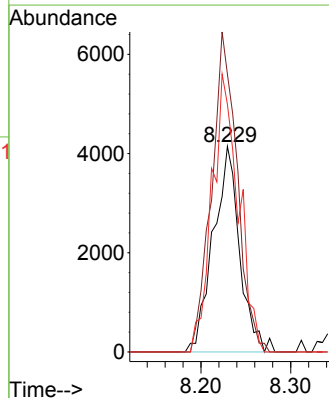
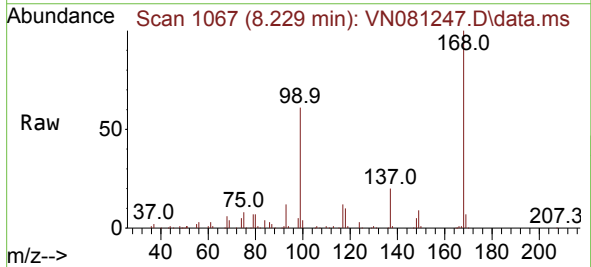
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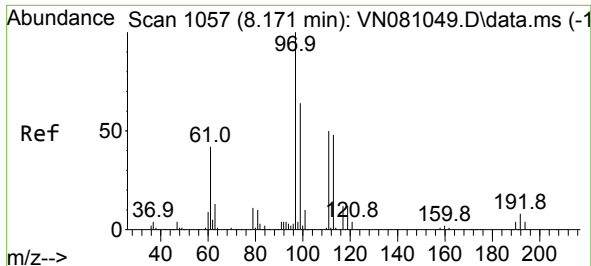
Tgt Ion: 83 Resp: 4253
Ion Ratio Lower Upper
83 100
85 47.5 51.0 76.6#



#31
Cyclohexane
Concen: 1.293 ug/l
RT: 8.229 min Scan# 1067
Delta R.T. -0.030 min
Lab File: VN081247.D
Acq: 28 Feb 2024 16:53

Tgt Ion: 56 Resp: 8451
Ion Ratio Lower Upper
56 100
69 135.2 20.1 30.1#
84 120.5 56.9 85.3#





#32

1,1,1-Trichloroethane

Concen: 0.385 ug/l

RT: 8.177 min Scan# 1105

Delta R.T. 0.006 min

Lab File: VN081247.D

Acq: 28 Feb 2024 16:53

Instrument :

MSVOA_N

ClientSampleId :

MW181S-20240223

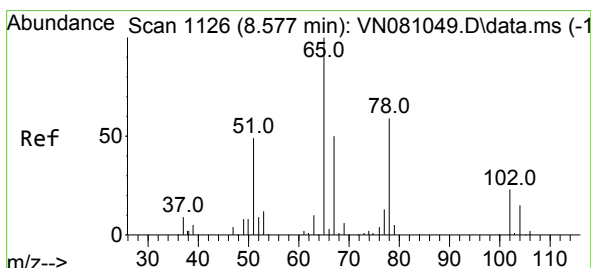
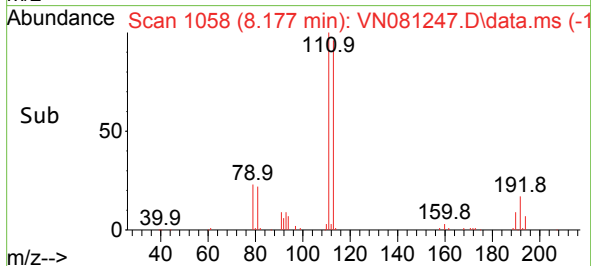
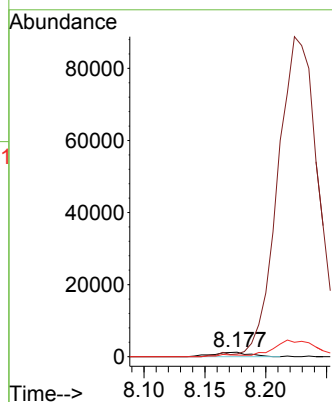
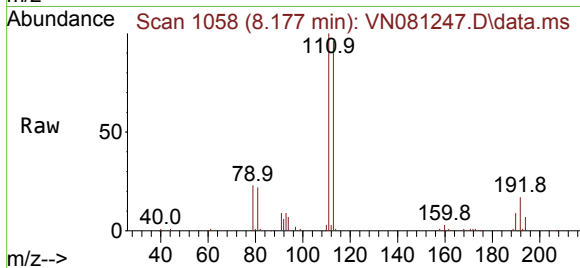
Tgt Ion: 97 Resp: 2532

Ion Ratio Lower Upper

97 100

99 0.0 53.4 80.0#

61 32.1 43.8 65.8#



#33

1,2-Dichloroethane-d4

Concen: 55.826 ug/l

RT: 8.582 min Scan# 1127

Delta R.T. 0.006 min

Lab File: VN081247.D

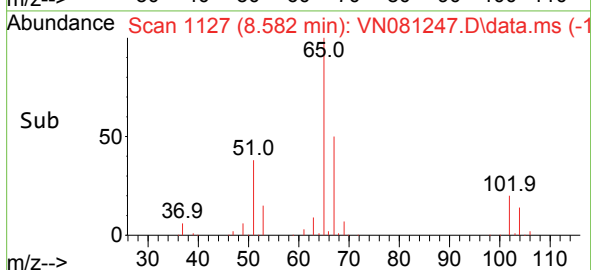
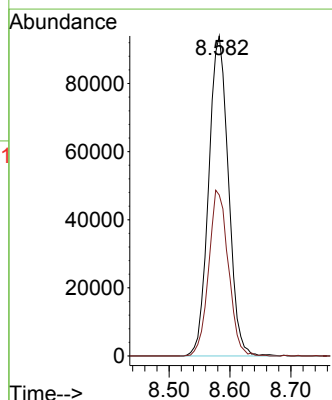
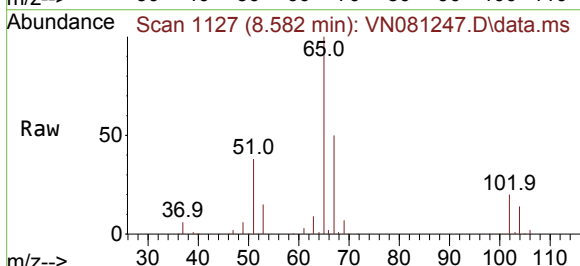
Acq: 28 Feb 2024 16:53

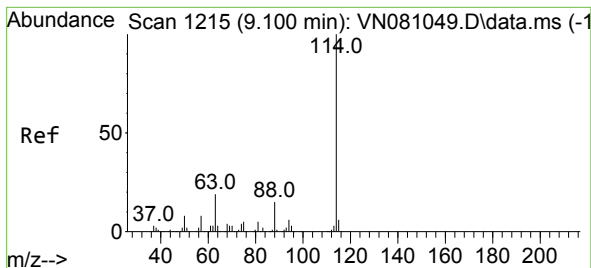
Tgt Ion: 65 Resp: 211370

Ion Ratio Lower Upper

65 100

67 51.6 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: VN081247.D

Acq: 28 Feb 2024 16:53

Instrument :

MSVOA_N

ClientSampleId :

MW181S-20240223

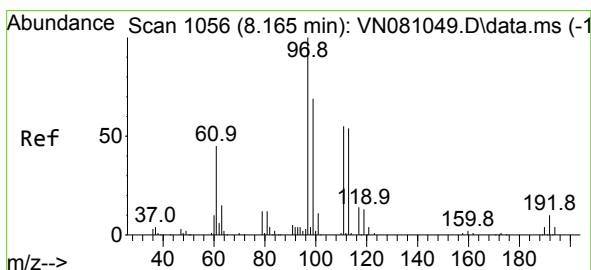
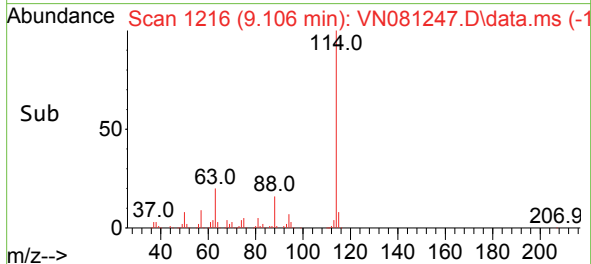
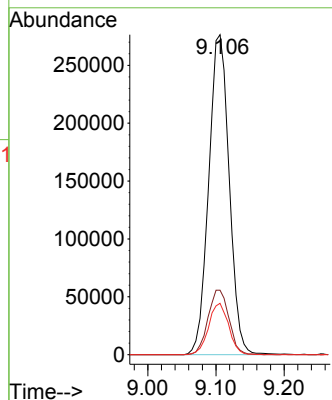
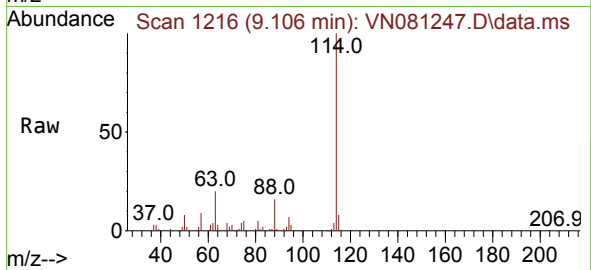
Tgt Ion:114 Resp: 578466

Ion Ratio Lower Upper

114 100

63 20.2 0.0 48.0

88 16.1 0.0 34.8



#35

Dibromofluoromethane

Concen: 49.825 ug/l

RT: 8.171 min Scan# 1057

Delta R.T. 0.006 min

Lab File: VN081247.D

Acq: 28 Feb 2024 16:53

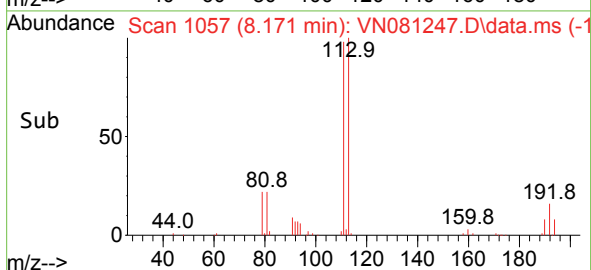
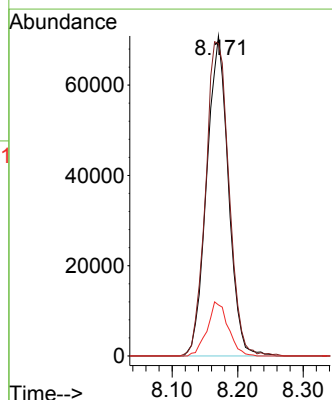
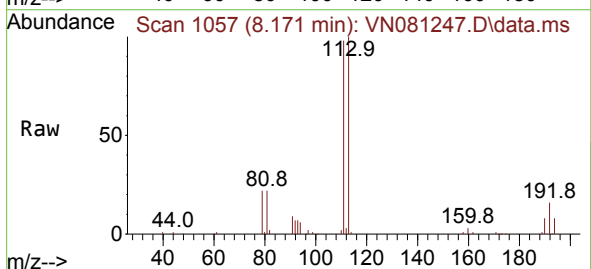
Tgt Ion:113 Resp: 162980

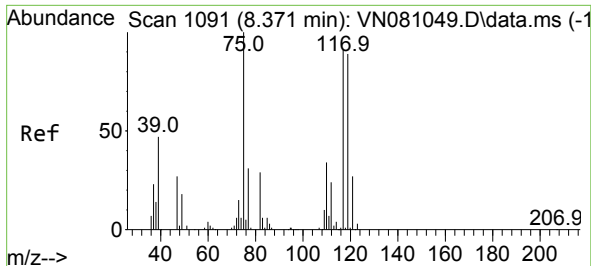
Ion Ratio Lower Upper

113 100

111 106.1 82.2 123.4

192 16.4 12.5 18.7

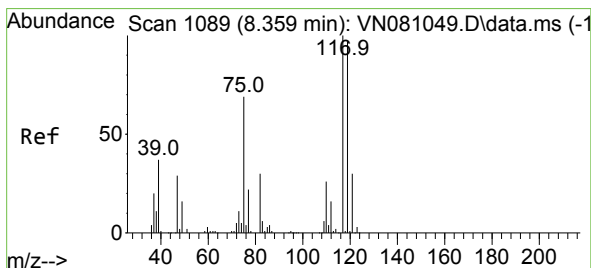
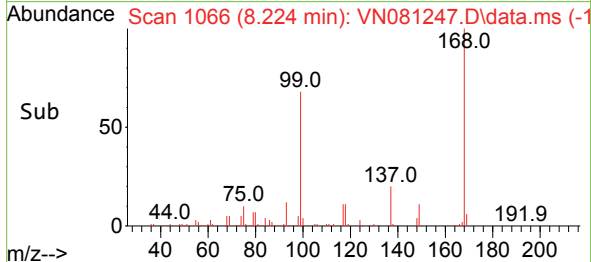
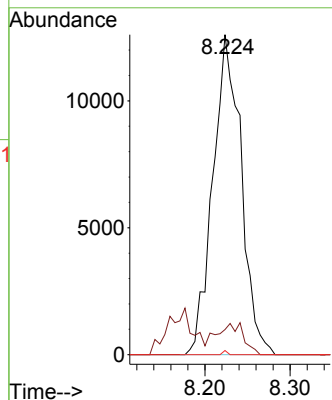
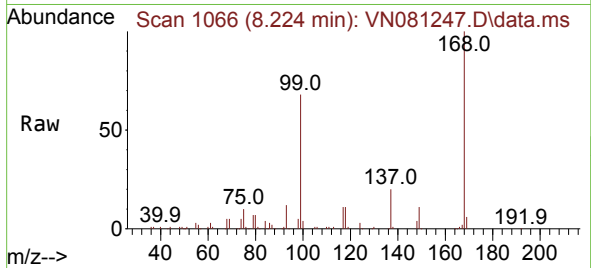




#36
1,1-Dichloropropene
Concen: 5.181 ug/l
RT: 8.224 min Scan# 1066
Delta R.T. -0.147 min
Lab File: VN081247.D
Acq: 28 Feb 2024 16:53

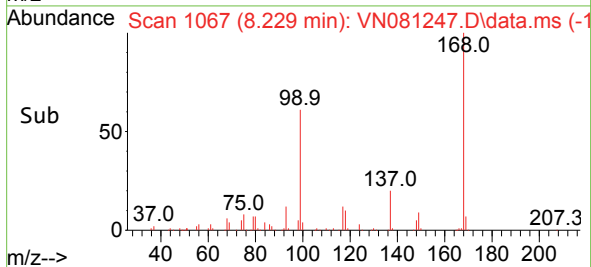
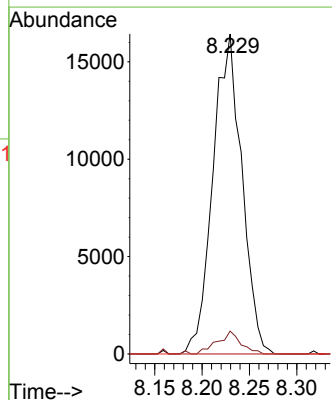
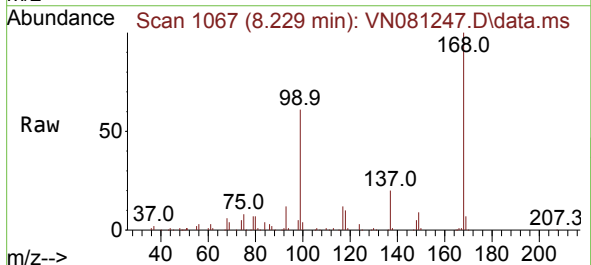
Instrument :
MSVOA_N
ClientSampleId :
MW181S-20240223

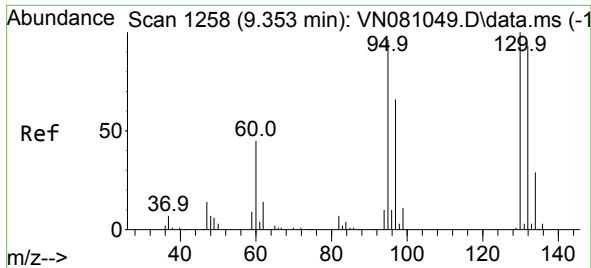
Tgt Ion: 75 Resp: 29034
Ion Ratio Lower Upper
75 100
110 9.6 16.0 48.0#
77 0.2 25.8 38.6#



#38
Carbon Tetrachloride
Concen: 6.146 ug/l
RT: 8.229 min Scan# 1067
Delta R.T. -0.130 min
Lab File: VN081247.D
Acq: 28 Feb 2024 16:53

Tgt Ion: 117 Resp: 34847
Ion Ratio Lower Upper
117 100
119 7.2 73.4 110.2#
121 0.0 24.4 36.6#

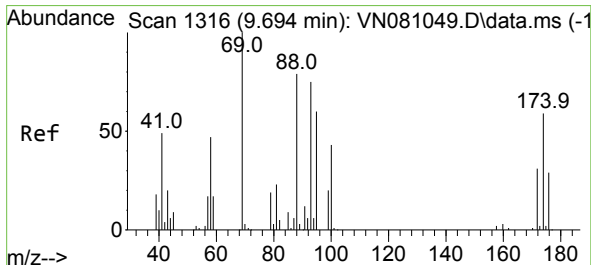
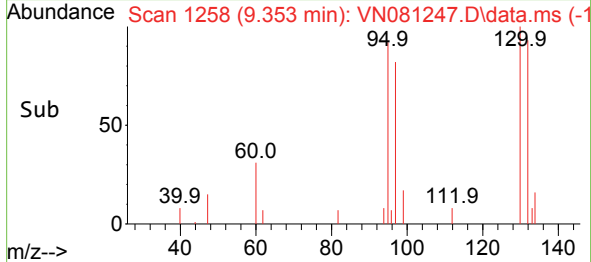
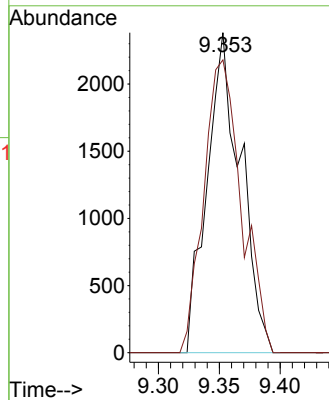
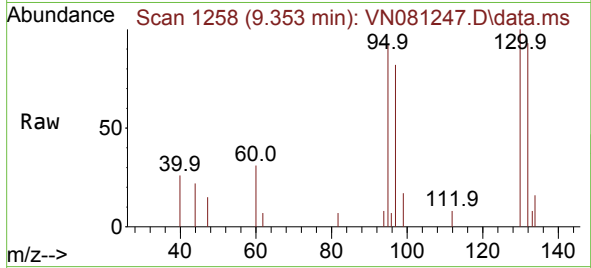




#44
Trichloroethene
Concen: 1.062 ug/l
RT: 9.353 min Scan# 11
Delta R.T. -0.000 min
Lab File: VN081247.D
Acq: 28 Feb 2024 16:53

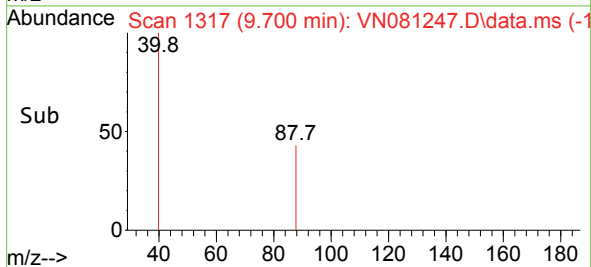
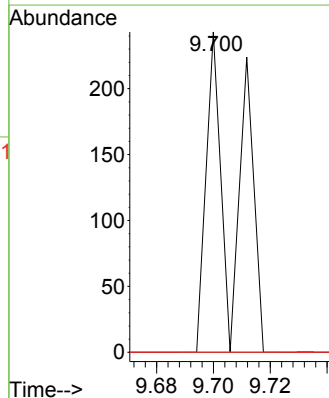
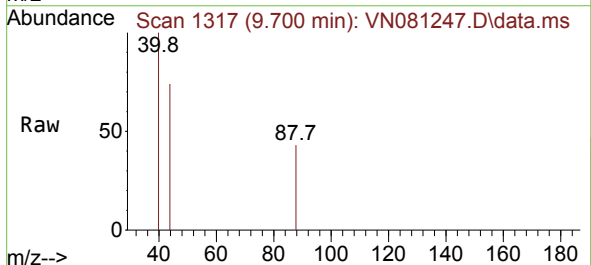
Instrument :
MSVOA_N
ClientSampleId :
MW181S-20240223

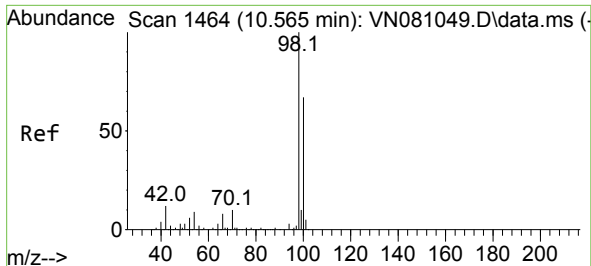
Tgt Ion:130 Resp: 4588
Ion Ratio Lower Upper
130 100
95 91.5 0.0 210.4



#49
1,4-Dioxane
Concen: Below Cal
RT: 9.700 min Scan# 1317
Delta R.T. 0.006 min
Lab File: VN081247.D
Acq: 28 Feb 2024 16:53

Tgt Ion: 88 Resp: 165
Ion Ratio Lower Upper
88 100
43 0.0 30.1 45.1#
58 0.0 63.9 95.9#

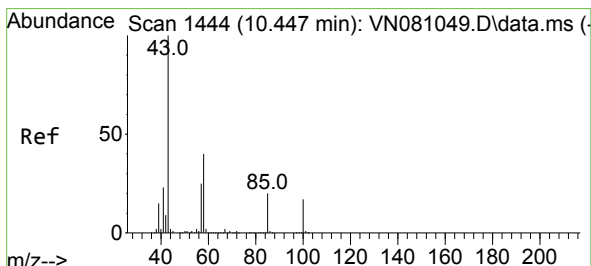
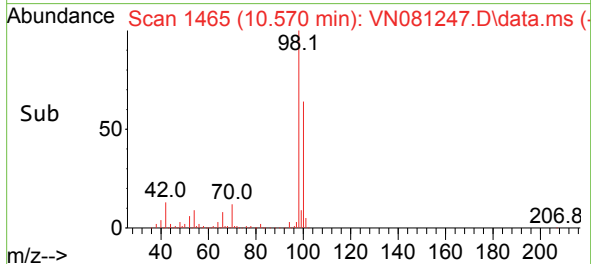
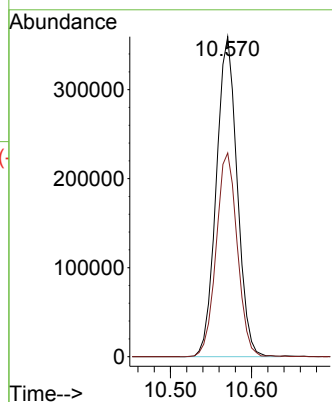
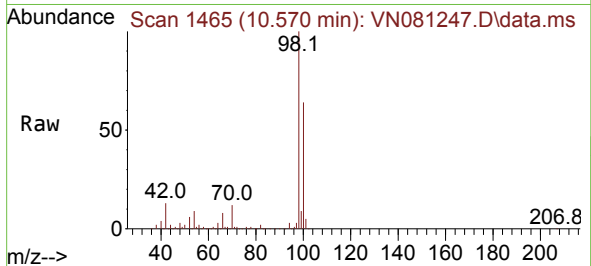




#50
Toluene-d8
Concen: 55.299 ug/l
RT: 10.570 min Scan# 1465
Delta R.T. 0.006 min
Lab File: VN081247.D
Acq: 28 Feb 2024 16:53

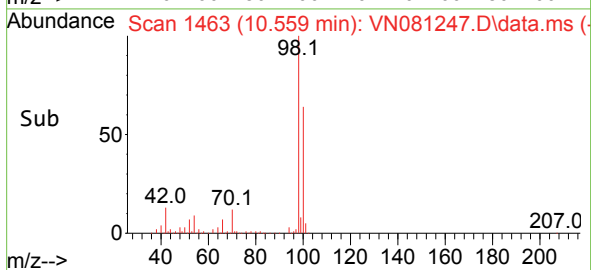
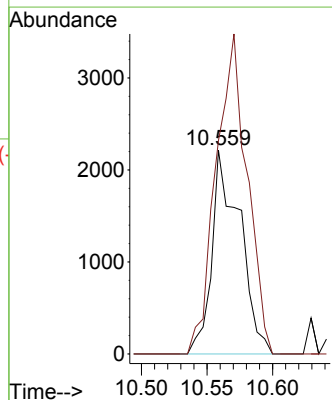
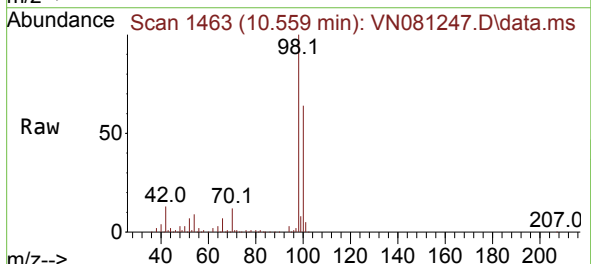
Instrument :
MSVOA_N
ClientSampleId :
MW181S-20240223

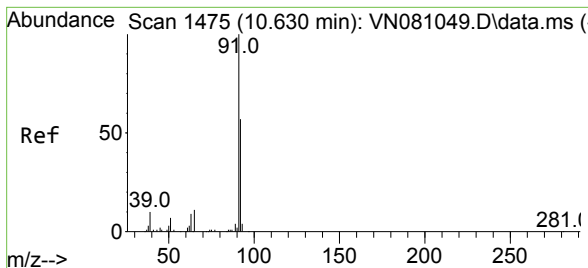
Tgt Ion: 98 Resp: 642457
Ion Ratio Lower Upper
98 100
100 64.4 51.4 77.0



#51
4-Methyl-2-Pentanone
Concen: 0.648 ug/l
RT: 10.559 min Scan# 1463
Delta R.T. 0.112 min
Lab File: VN081247.D
Acq: 28 Feb 2024 16:53

Tgt Ion: 43 Resp: 3295
Ion Ratio Lower Upper
43 100
58 174.6 29.4 44.0#





#52

Toluene

Concen: 1.963 ug/l

RT: 10.635 min Scan# 1475

Delta R.T. 0.006 min

Lab File: VN081247.D

Acq: 28 Feb 2024 16:53

Instrument :

MSVOA_N

ClientSampleId :

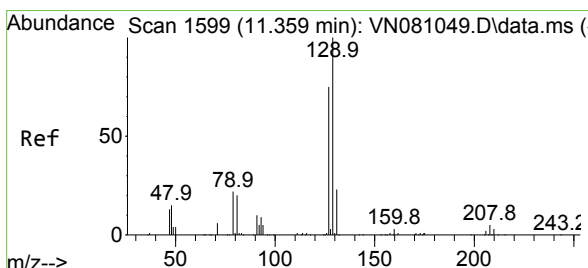
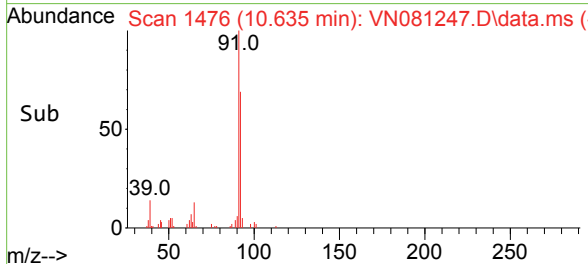
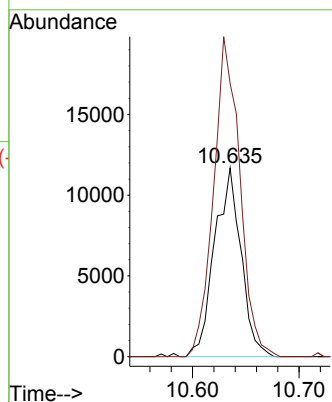
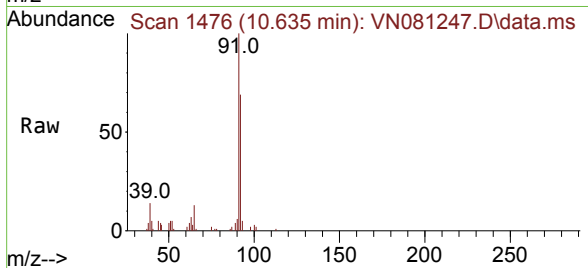
MW181S-20240223

Tgt Ion: 92 Resp: 20160

Ion Ratio Lower Upper

92 100

91 168.3 139.4 209.0



#60

Dibromochloromethane

Concen: 1.242 ug/l

RT: 11.106 min Scan# 1556

Delta R.T. -0.253 min

Lab File: VN081247.D

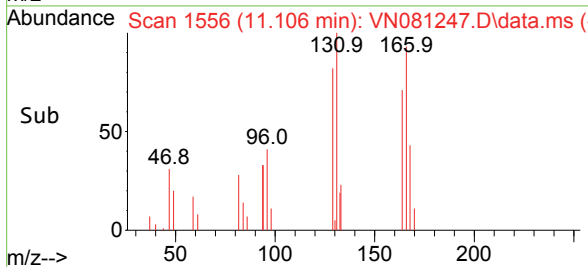
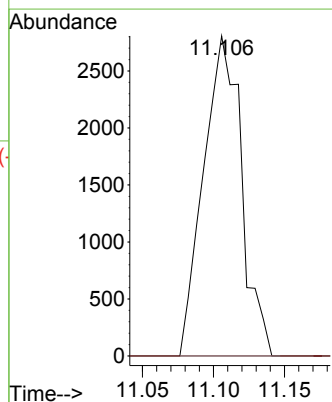
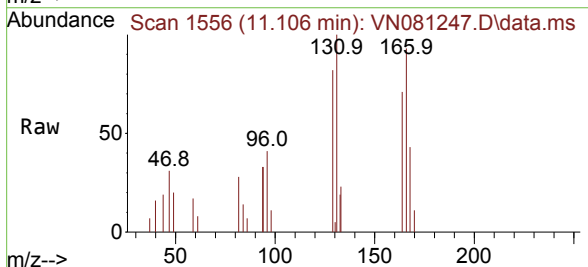
Acq: 28 Feb 2024 16:53

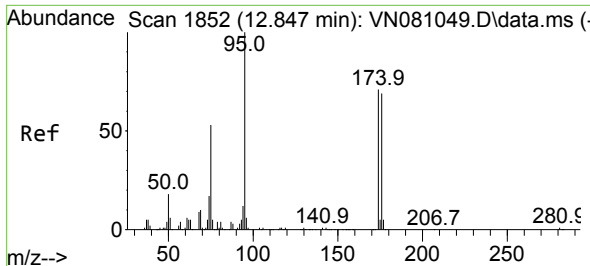
Tgt Ion: 129 Resp: 5213

Ion Ratio Lower Upper

129 100

127 0.0 39.4 118.2#

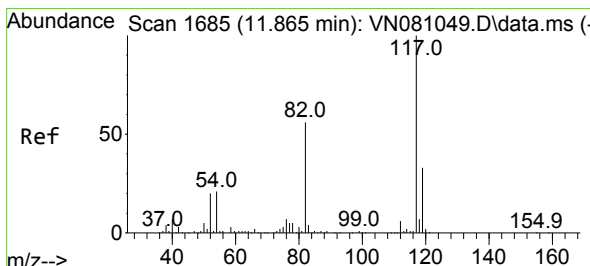
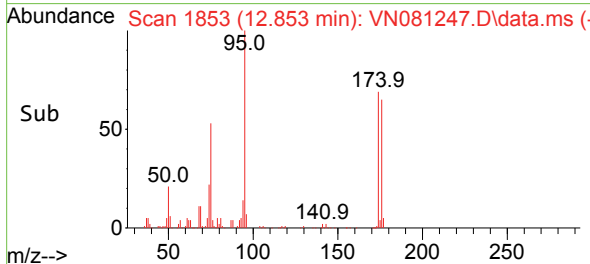
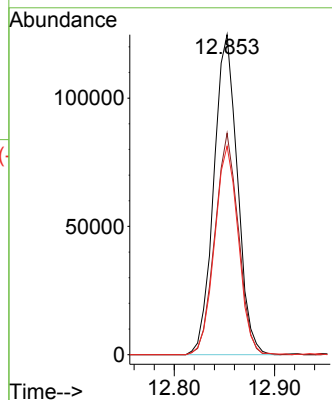
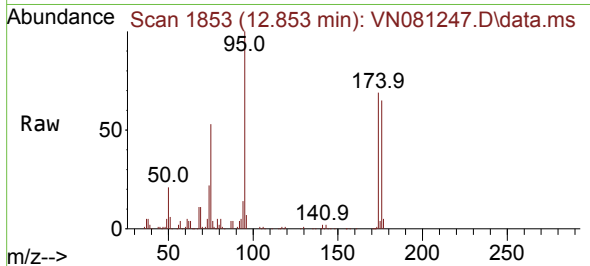




#62
4-Bromofluorobenzene
Concen: 46.711 ug/l
RT: 12.853 min Scan# 1853
Delta R.T. 0.006 min
Lab File: VN081247.D
Acq: 28 Feb 2024 16:53

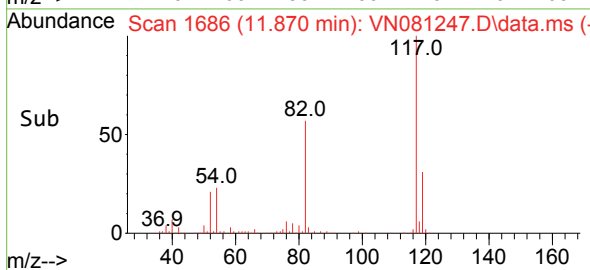
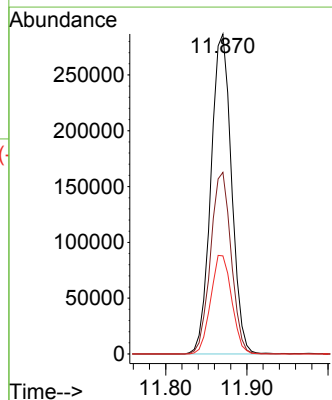
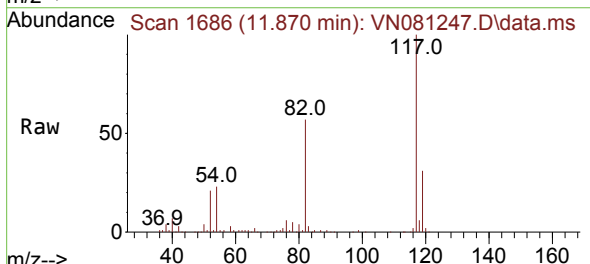
Instrument :
MSVOA_N
ClientSampleId :
MW181S-20240223

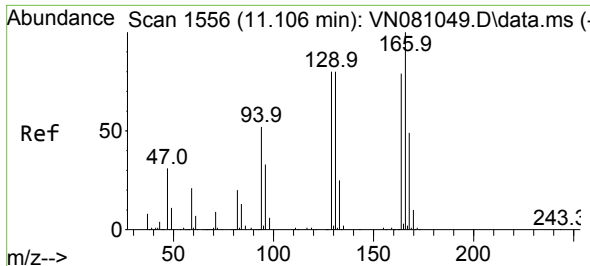
Tgt Ion:	95	Resp:	203917
Ion	Ratio	Lower	Upper
95	100		
174	68.8	0.0	120.4
176	65.6	0.0	121.0



#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.870 min Scan# 1686
Delta R.T. 0.006 min
Lab File: VN081247.D
Acq: 28 Feb 2024 16:53

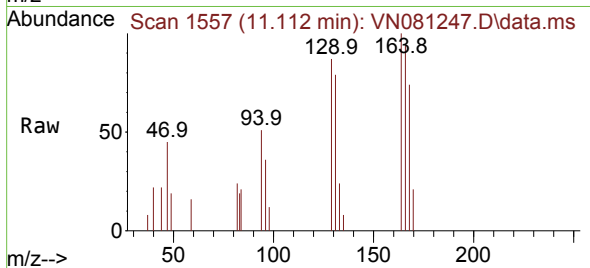
Tgt Ion:	117	Resp:	504974
Ion	Ratio	Lower	Upper
117	100		
82	56.8	52.7	79.1
119	30.7	25.3	37.9



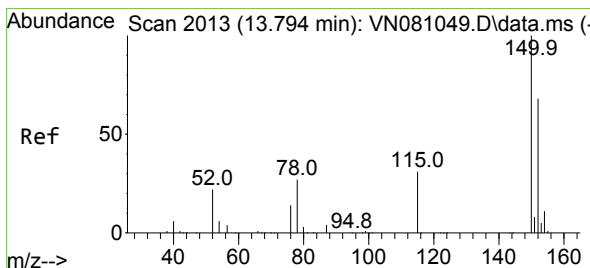
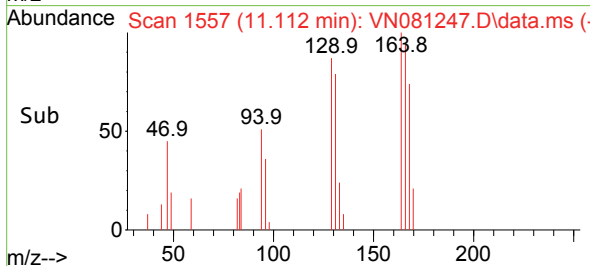
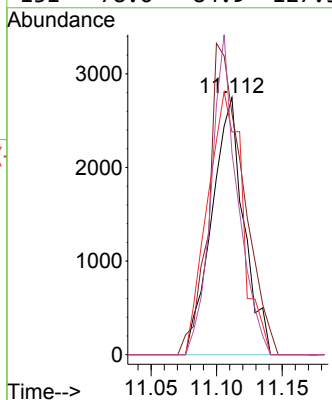


#64
Tetrachloroethene
Concen: 1.352 ug/l
RT: 11.112 min Scan# 11
Delta R.T. 0.006 min
Lab File: VN081247.D
Acq: 28 Feb 2024 16:53

Instrument :
MSVOA_N
ClientSampleId :
MW181S-20240223

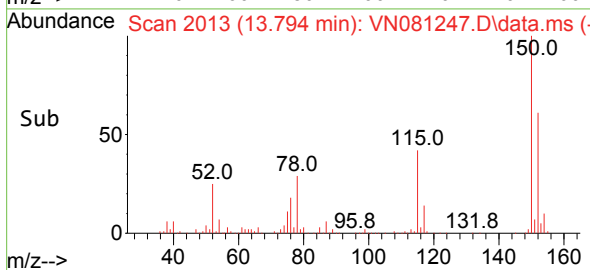
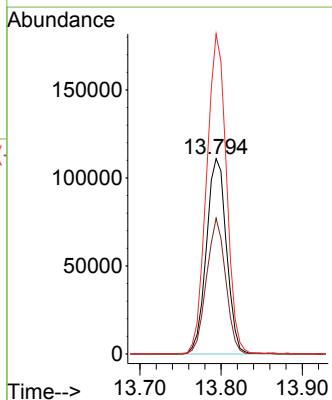
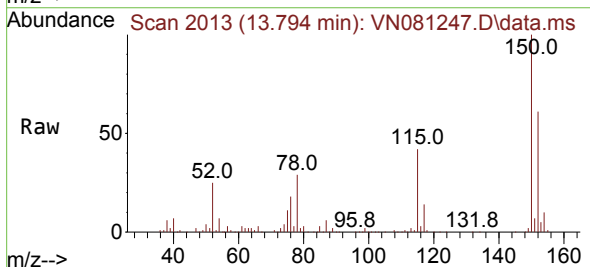


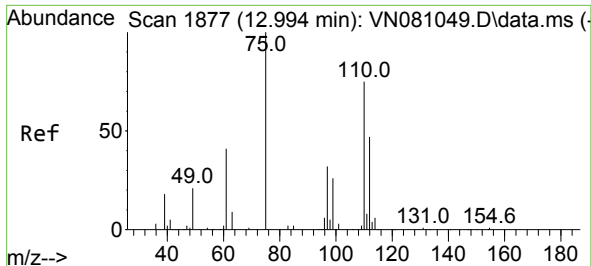
Tgt Ion:164 Resp: 4660
Ion Ratio Lower Upper
164 100
166 93.8 105.8 158.6#
129 86.6 89.6 134.4#
131 78.6 84.9 127.3#



#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 13.794 min Scan# 2013
Delta R.T. -0.000 min
Lab File: VN081247.D
Acq: 28 Feb 2024 16:53

Tgt Ion:152 Resp: 190627
Ion Ratio Lower Upper
152 100
115 66.1 32.3 96.8
150 162.0 0.0 339.8

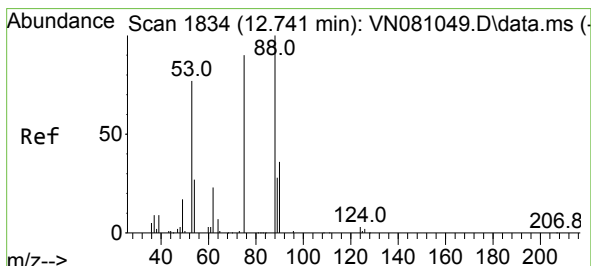
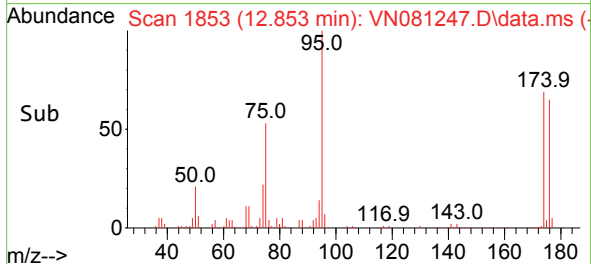
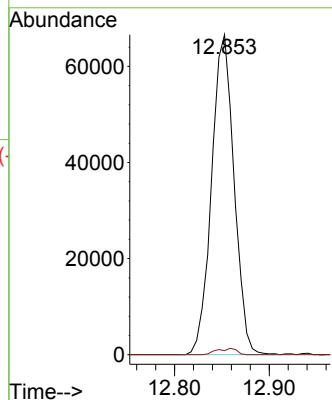
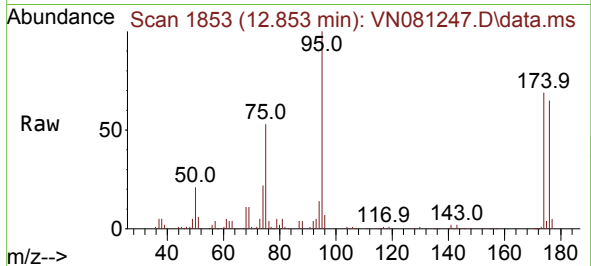




#76
1,2,3-Trichloropropane
Concen: 25.359 ug/l
RT: 12.853 min Scan# 1853
Delta R.T. -0.141 min
Lab File: VN081247.D
Acq: 28 Feb 2024 16:53

Instrument :
MSVOA_N
ClientSampleId :
MW181S-20240223

Tgt Ion: 75 Resp: 109833
Ion Ratio Lower Upper
75 100
77 1.7 91.0 272.8#



#81
trans-1,4-Dichloro-2-butene
Concen: 65.271 ug/l
RT: 12.853 min Scan# 1853
Delta R.T. 0.112 min
Lab File: VN081247.D
Acq: 28 Feb 2024 16:53

Tgt Ion: 75 Resp: 109833
Ion Ratio Lower Upper
75 100
53 0.0 71.4 107.2#
89 0.1 33.4 50.0#

