

Data Path : Z:\voasrv\HPCHEM1\MSVOA_N\Data\VN022724\
 Data File : VN081231.D
 Acq On : 27 Feb 2024 20:00
 Operator : JC\MD
 Sample : P1590-10
 Misc : 5.0mL/MSVOA_N/WATER
 ALS Vial : 25 Sample Multiplier: 1

Instrument :
 MSVOA_N
 ClientSampleId :
 TT162S1-20240222

Quant Time: Feb 28 04:24:18 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)

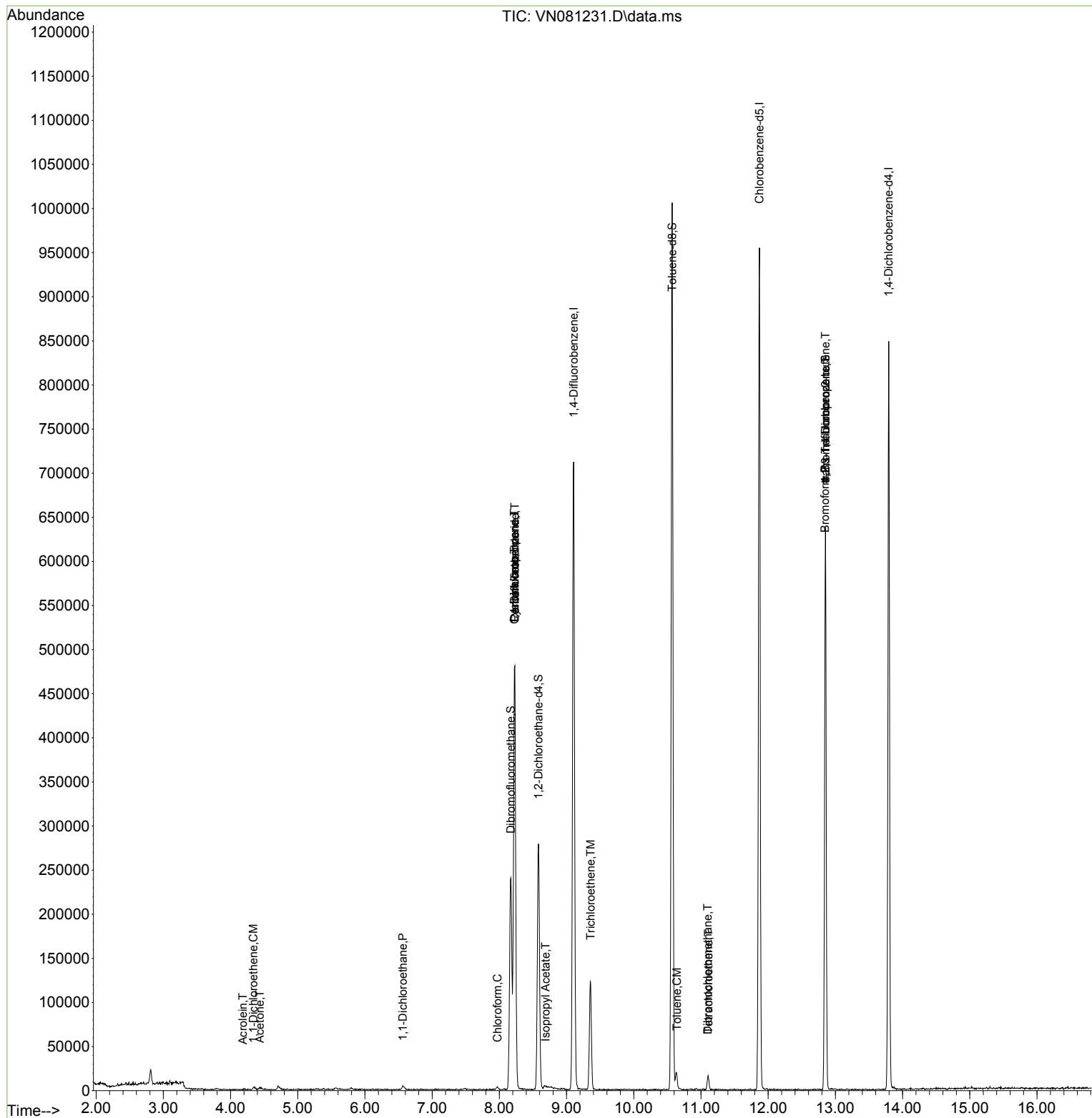
Internal Standards						
1) Pentafluorobenzene	8.230	168	330451	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	9.106	114	612522	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.871	117	545600	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.794	152	207150	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.583	65	221511	54.689	ug/l	0.00
Spiked Amount	50.000	Range	74 - 125	Recovery	= 109.380%	
35) Dibromofluoromethane	8.171	113	173652	50.136	ug/l	0.00
Spiked Amount	50.000	Range	75 - 124	Recovery	= 100.280%	
50) Toluene-d8	10.571	98	667968	54.298	ug/l	0.00
Spiked Amount	50.000	Range	86 - 113	Recovery	= 108.600%	
62) 4-Bromofluorobenzene	12.853	95	216810	46.904	ug/l	0.00
Spiked Amount	50.000	Range	83 - 123	Recovery	= 93.800%	
Target Compounds						
					Qvalue	
3) Chloromethane	2.359	50	1006	Below Cal		98
6) Chloroethane	3.124	64	98	Below Cal	#	42
12) 1,1-Dichloroethene	4.342	96	812	0.217	ug/l #	57
13) Acrolein	4.183	56	436	1.092	ug/l #	62
16) Acetone	4.436	43	2379	1.493	ug/l #	77
20) Methylene Chloride	5.277	84	296	Below Cal	#	47
24) 1,1-Dichloroethane	6.565	63	5972	0.821	ug/l #	92
30) Chloroform	7.971	83	2666	0.345	ug/l	93
31) Cyclohexane	8.224	56	9600	1.373	ug/l #	7
36) 1,1-Dichloropropene	8.224	75	31795	5.358	ug/l #	51
38) Carbon Tetrachloride	8.230	117	38172	6.358	ug/l #	17
43) Isopropyl Acetate	8.688	43	2531	0.270	ug/l #	57
44) Trichloroethene	9.359	130	42606	9.313	ug/l	91
52) Toluene	10.641	92	8604	0.791	ug/l	95
60) Dibromochloromethane	11.100	129	3130	0.705	ug/l #	10
64) Tetrachloroethene	11.112	164	2970	0.798	ug/l #	75
71) Bromoform	12.847	173	1166	0.433	ug/l #	1
76) 1,2,3-Trichloropropane	12.853	75	118192	25.112	ug/l #	1
81) trans-1,4-Dichloro-2-b...	12.853	75	118192	64.636	ug/l #	14

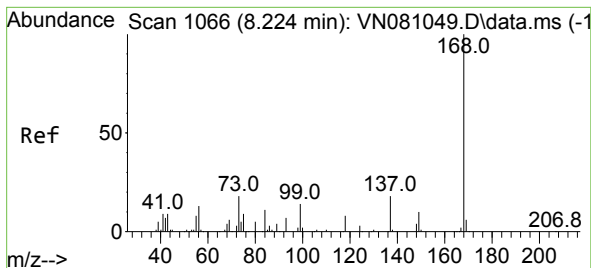
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 8.230 min Scan# 1

Delta R.T. 0.006 min

Lab File: VN081231.D

Acq: 27 Feb 2024 20:00

Instrument :

MSVOA_N

ClientSampleId :

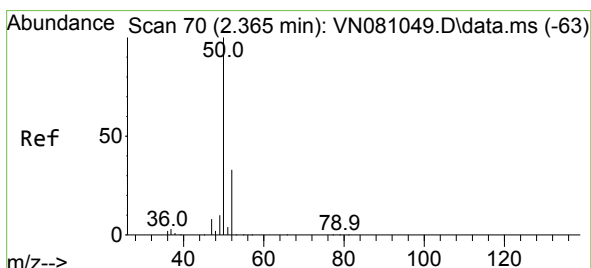
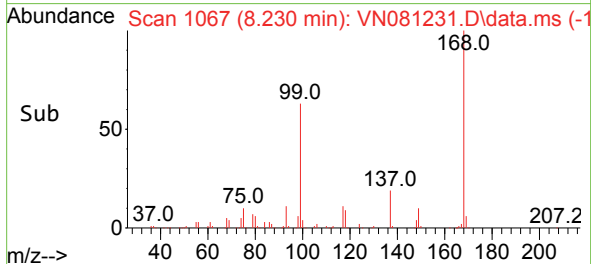
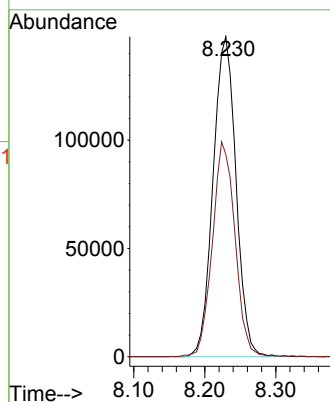
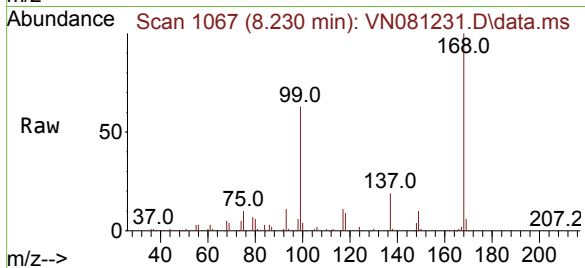
TT162S1-20240222

Tgt Ion:168 Resp: 330451

Ion Ratio Lower Upper

168 100

99 63.0 59.9 89.9



#3

Chloromethane

Concen: Below Cal

RT: 2.359 min Scan# 69

Delta R.T. -0.006 min

Lab File: VN081231.D

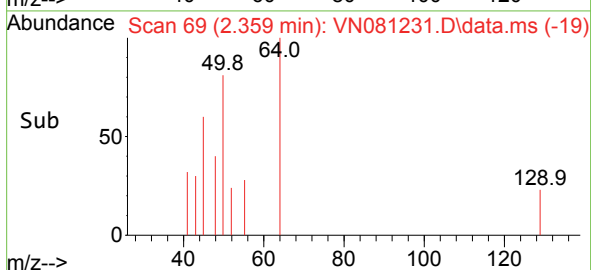
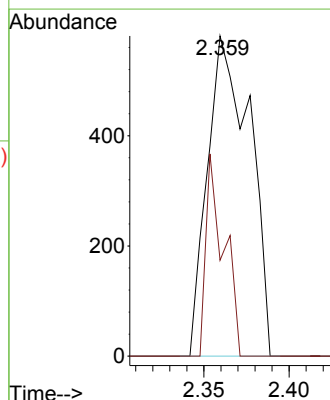
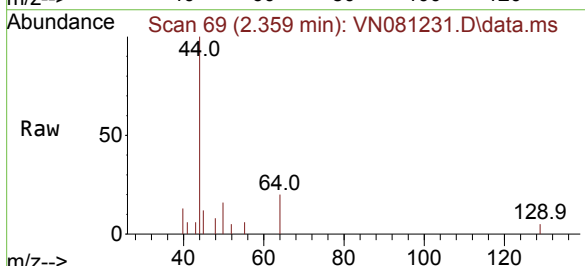
Acq: 27 Feb 2024 20:00

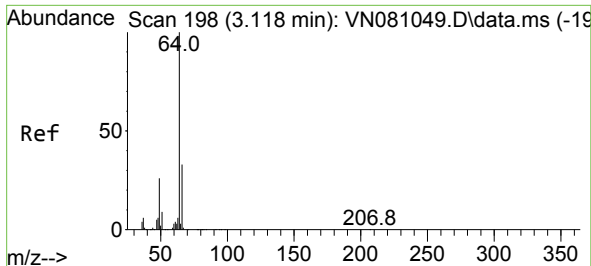
Tgt Ion: 50 Resp: 1006

Ion Ratio Lower Upper

50 100

52 29.9 25.0 37.4

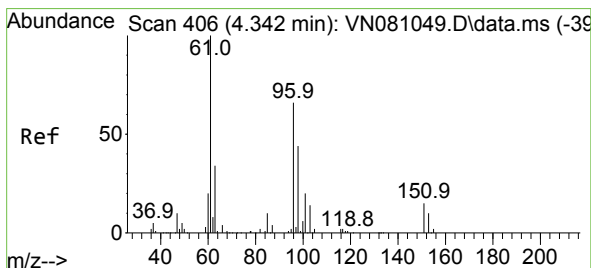
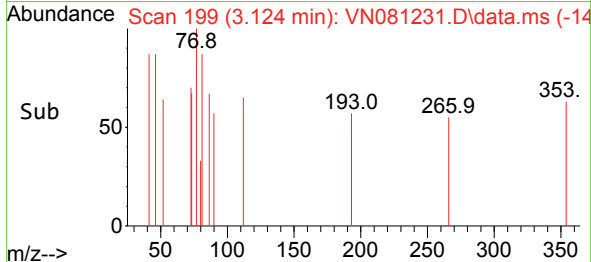
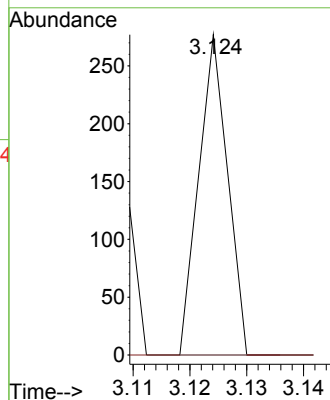
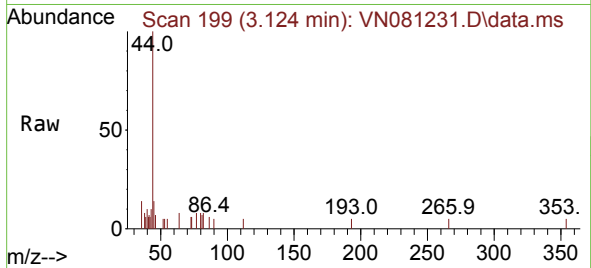




#6
Chloroethane
Concen: Below Cal
RT: 3.124 min Scan# 198
Delta R.T. 0.006 min
Lab File: VN081231.D
Acq: 27 Feb 2024 20:00

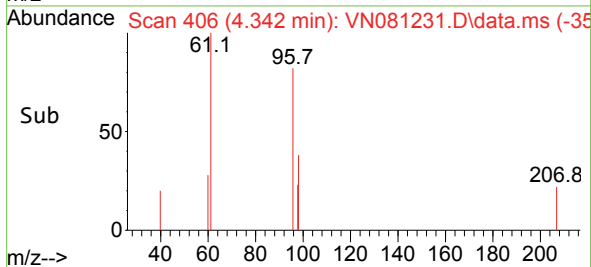
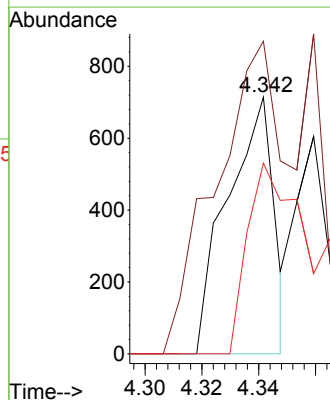
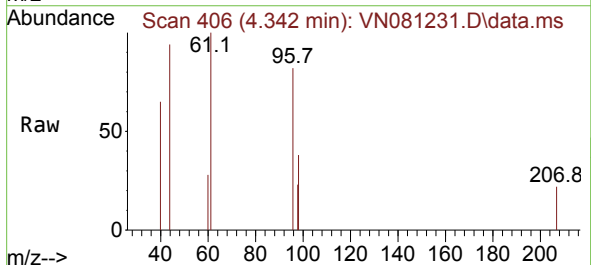
Instrument :
MSVOA_N
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TT162S1-20240222

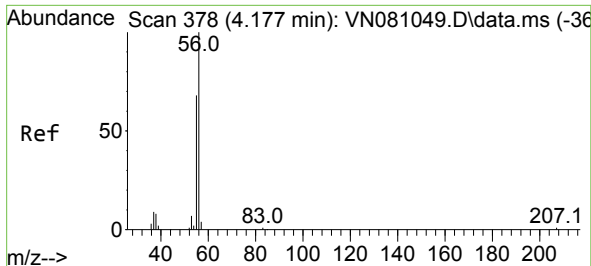
Tgt Ion: 64 Resp: 98
Ion Ratio Lower Upper
64 100
66 0.0 26.4 39.6#



#12
1,1-Dichloroethene
Concen: 0.217 ug/l
RT: 4.342 min Scan# 406
Delta R.T. -0.000 min
Lab File: VN081231.D
Acq: 27 Feb 2024 20:00

Tgt Ion: 96 Resp: 812
Ion Ratio Lower Upper
96 100
61 100.3 138.2 207.4#
98 74.4 49.2 73.8#

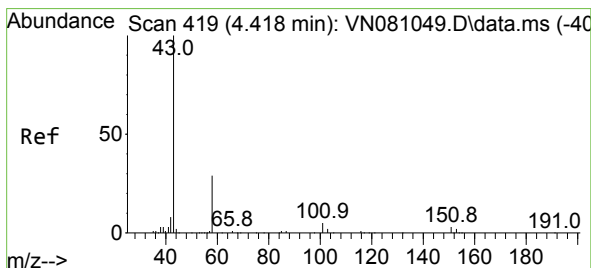
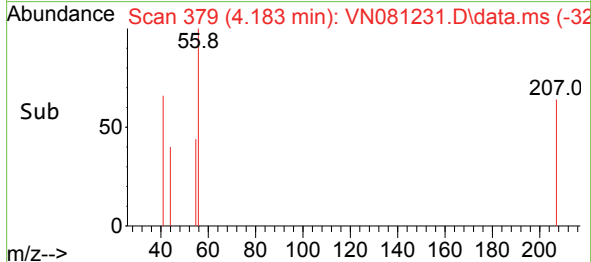
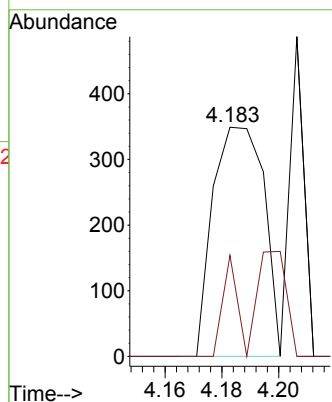
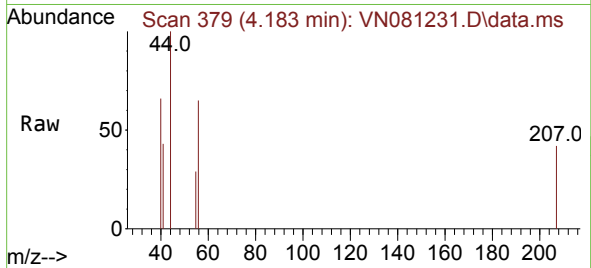




#13
Acrolein
Concen: 1.092 ug/l
RT: 4.183 min Scan# 31
Delta R.T. 0.006 min
Lab File: VN081231.D
Acq: 27 Feb 2024 20:00

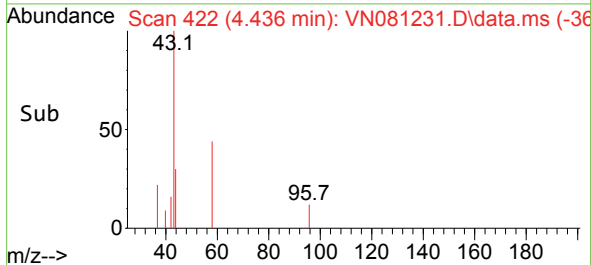
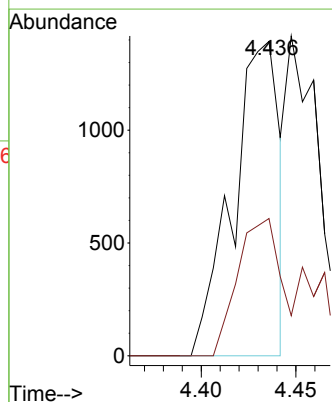
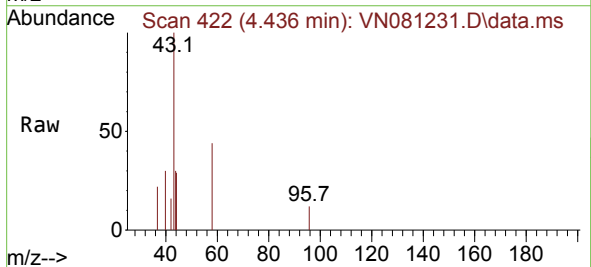
Instrument :
MSVOA_N
ClientSampleId :
TT162S1-20240222

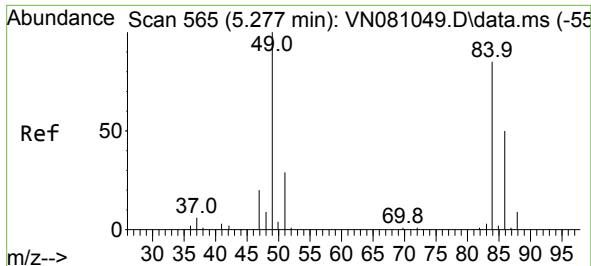
Tgt Ion: 56 Resp: 436
Ion Ratio Lower Upper
56 100
55 38.3 55.3 82.9#



#16
Acetone
Concen: 1.493 ug/l
RT: 4.436 min Scan# 422
Delta R.T. 0.018 min
Lab File: VN081231.D
Acq: 27 Feb 2024 20:00

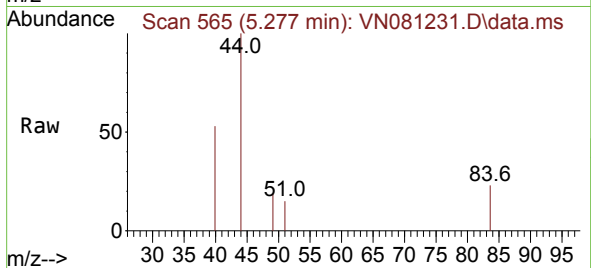
Tgt Ion: 43 Resp: 2379
Ion Ratio Lower Upper
43 100
58 43.7 24.8 37.2#



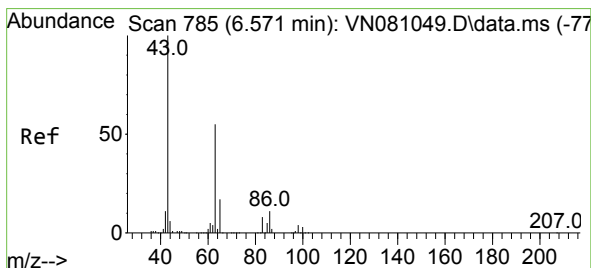
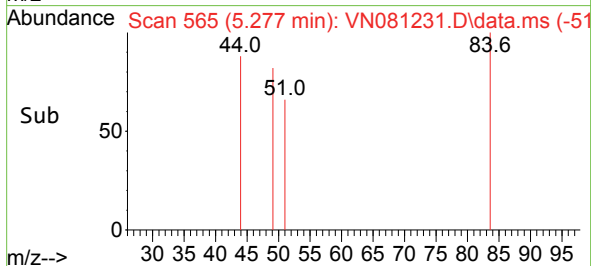
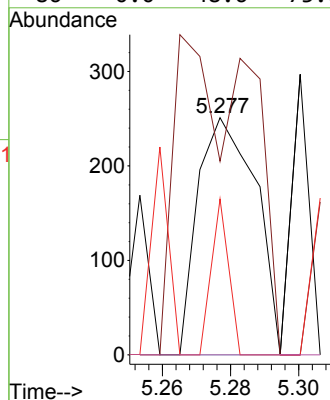


#20
Methylene Chloride
Concen: Below Cal
RT: 5.277 min Scan# 51
Delta R.T. -0.000 min
Lab File: VN081231.D
Acq: 27 Feb 2024 20:00

Instrument :
MSVOA_N
ClientSampleId :
TT162S1-20240222

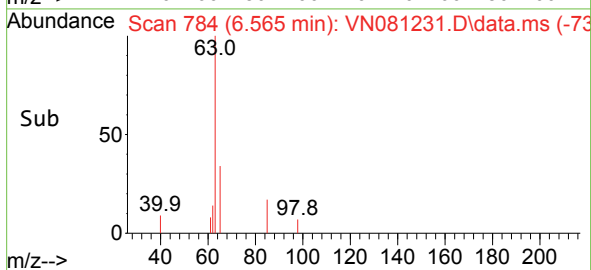
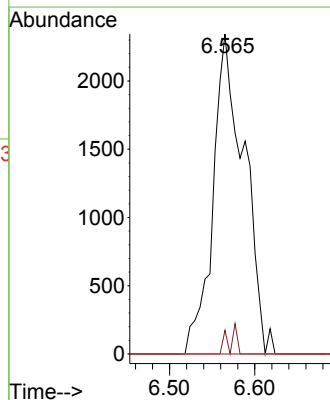
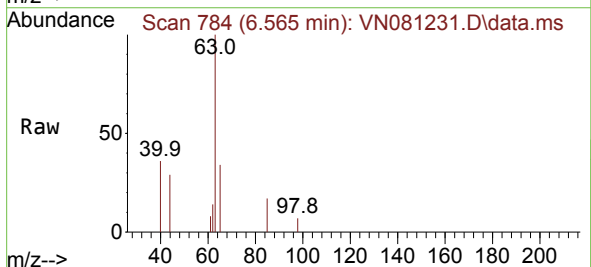


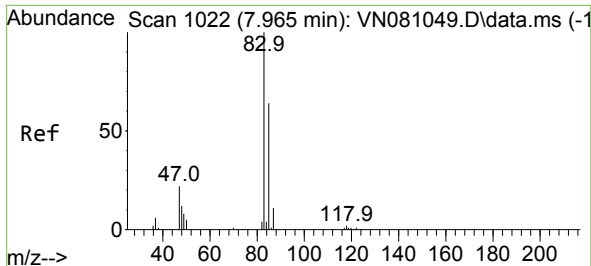
Tgt Ion:	84	Resp:	296
Ion	Ratio	Lower	Upper
84	100		
49	81.7	108.1	162.1#
51	65.7	32.9	49.3#
86	0.0	48.6	73.0#



#24
1,1-Dichloroethane
Concen: 0.821 ug/l
RT: 6.565 min Scan# 784
Delta R.T. -0.006 min
Lab File: VN081231.D
Acq: 27 Feb 2024 20:00

Tgt Ion:	63	Resp:	5972
Ion	Ratio	Lower	Upper
63	100		
98	7.4	2.9	8.6
100	0.0	1.9	5.7#

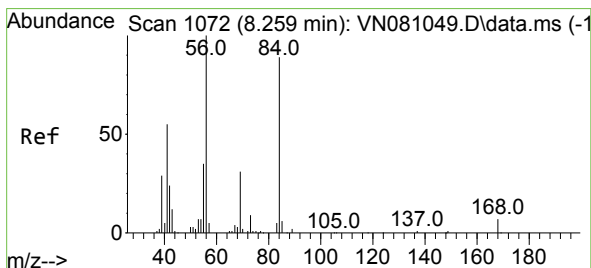
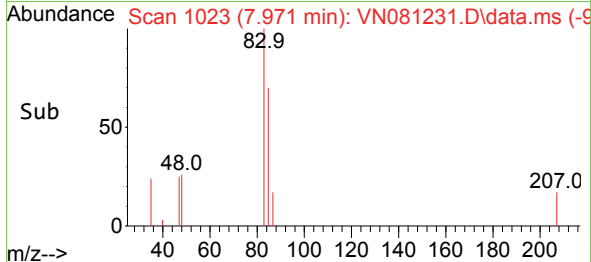
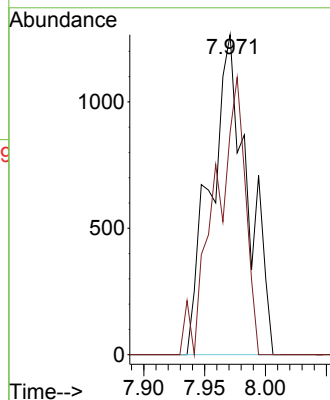
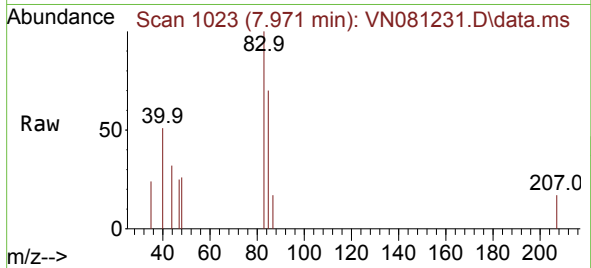




#30
Chloroform
Concen: 0.345 ug/l
RT: 7.971 min Scan# 10
Delta R.T. 0.006 min
Lab File: VN081231.D
Acq: 27 Feb 2024 20:00

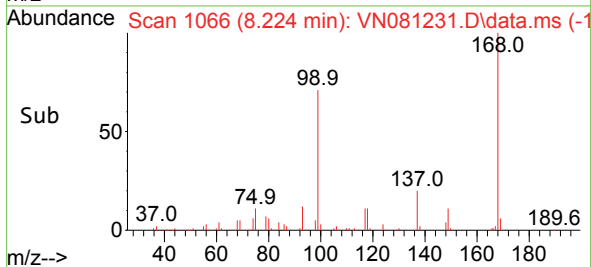
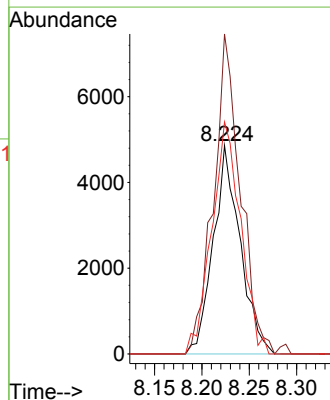
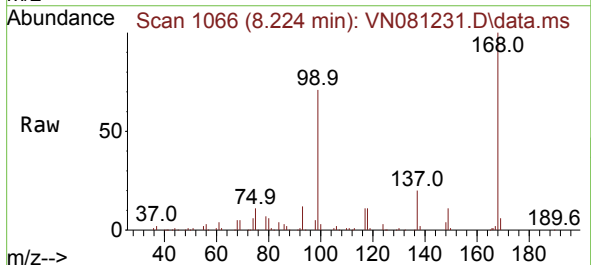
Instrument :
MSVOA_N
ClientSampleId :
TT162S1-20240222

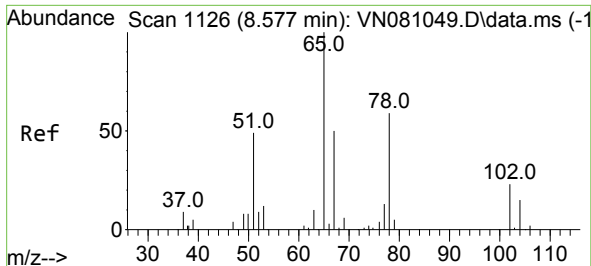
Tgt Ion: 83 Resp: 2666
Ion Ratio Lower Upper
83 100
85 69.5 51.0 76.6



#31
Cyclohexane
Concen: 1.373 ug/l
RT: 8.224 min Scan# 1066
Delta R.T. -0.035 min
Lab File: VN081231.D
Acq: 27 Feb 2024 20:00

Tgt Ion: 56 Resp: 9600
Ion Ratio Lower Upper
56 100
69 145.1 20.1 30.1#
84 105.2 56.9 85.3#





#33

1,2-Dichloroethane-d4

Concen: 54.689 ug/l

RT: 8.583 min Scan# 1126

Delta R.T. 0.006 min

Lab File: VN081231.D

Acq: 27 Feb 2024 20:00

Instrument :

MSVOA_N

ClientSampleId :

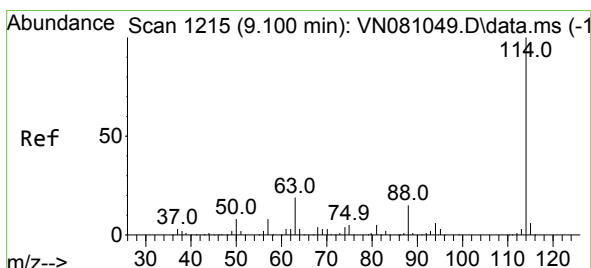
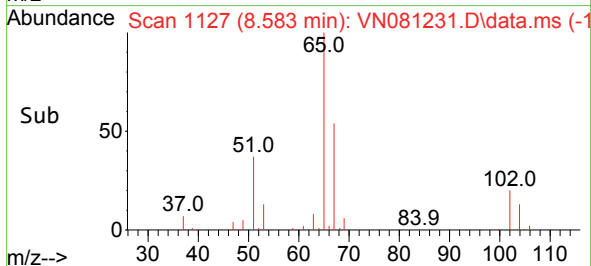
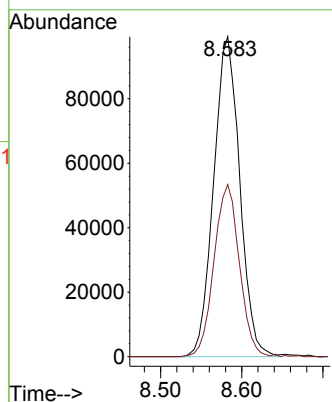
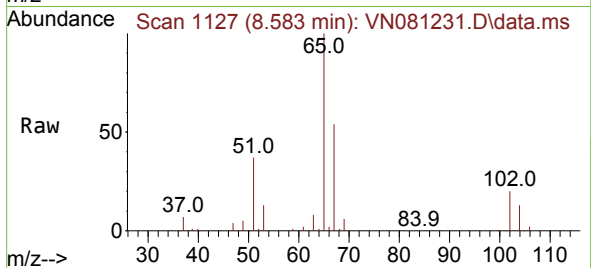
TT162S1-20240222

Tgt Ion: 65 Resp: 221511

Ion Ratio Lower Upper

65 100

67 52.5 0.0 102.4



#34

1,4-Difluorobenzene

Concen: 50.000 ug/l

RT: 9.106 min Scan# 1216

Delta R.T. 0.006 min

Lab File: VN081231.D

Acq: 27 Feb 2024 20:00

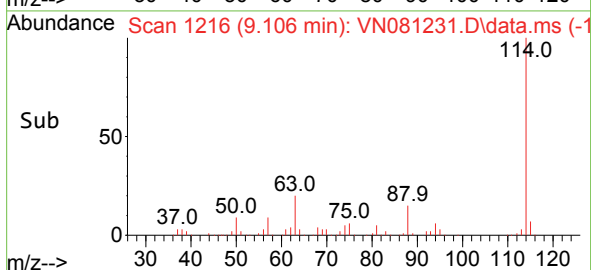
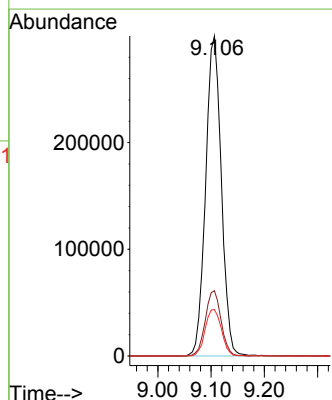
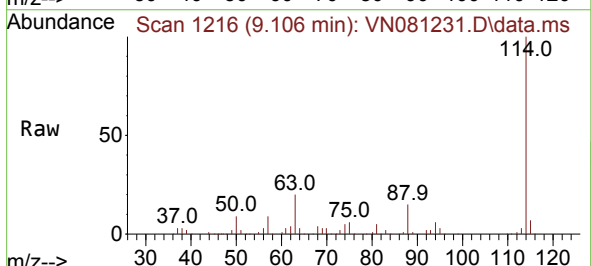
Tgt Ion: 114 Resp: 612522

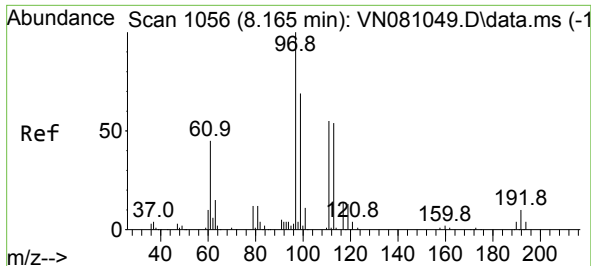
Ion Ratio Lower Upper

114 100

63 20.4 0.0 48.0

88 14.5 0.0 34.8

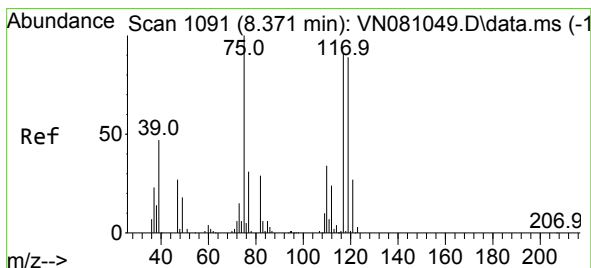
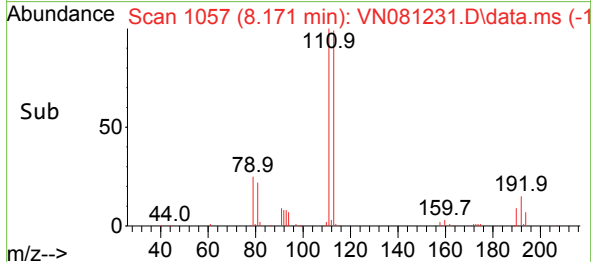
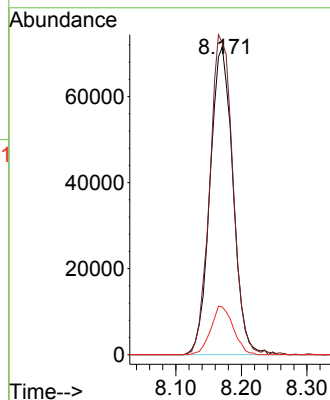
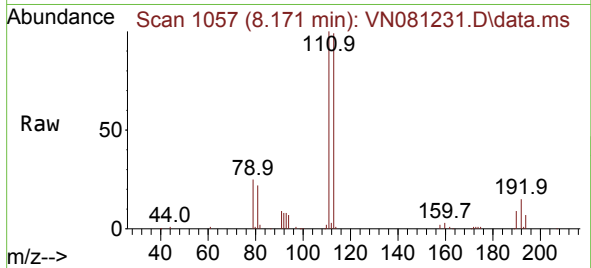




#35
Dibromofluoromethane
Concen: 50.136 ug/l
RT: 8.171 min Scan# 1056
Delta R.T. 0.006 min
Lab File: VN081231.D
Acq: 27 Feb 2024 20:00

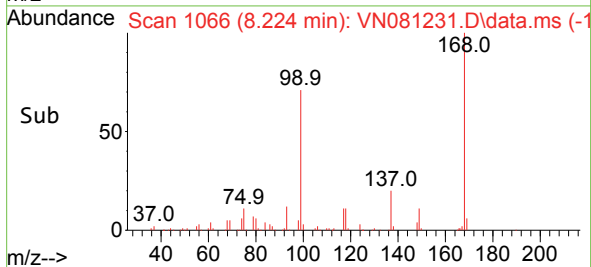
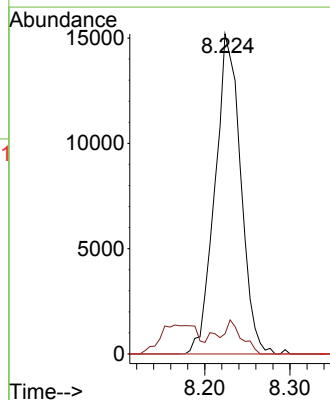
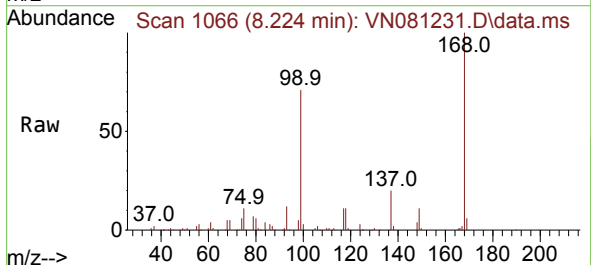
Instrument :
MSVOA_N
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TT162S1-20240222

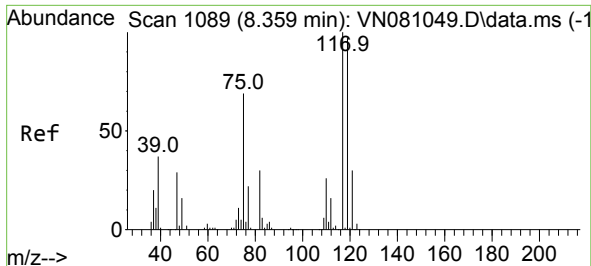
Tgt Ion:113 Resp: 173652
Ion Ratio Lower Upper
113 100
111 105.1 82.2 123.4
192 15.4 12.5 18.7



#36
1,1-Dichloropropene
Concen: 5.358 ug/l
RT: 8.224 min Scan# 1066
Delta R.T. -0.147 min
Lab File: VN081231.D
Acq: 27 Feb 2024 20:00

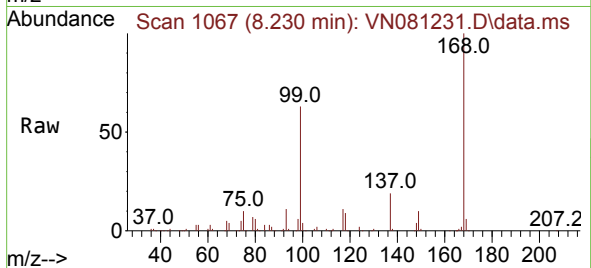
Tgt Ion: 75 Resp: 31795
Ion Ratio Lower Upper
75 100
110 9.8 16.0 48.0#
77 0.0 25.8 38.6#



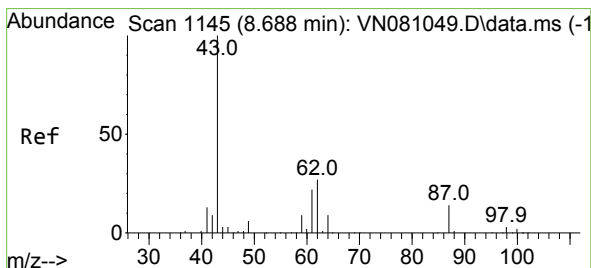
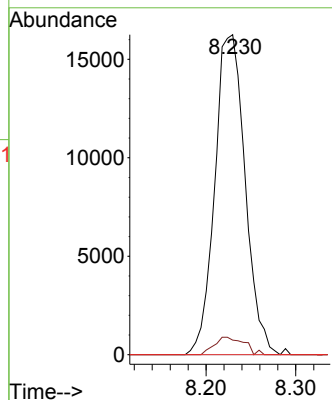
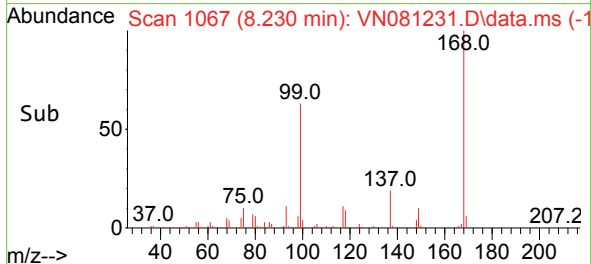


#38
Carbon Tetrachloride
Concen: 6.358 ug/l
RT: 8.230 min Scan# 1089
Delta R.T. -0.129 min
Lab File: VN081231.D
Acq: 27 Feb 2024 20:00

Instrument :
MSVOA_N
ClientSampleId :
TT162S1-20240222

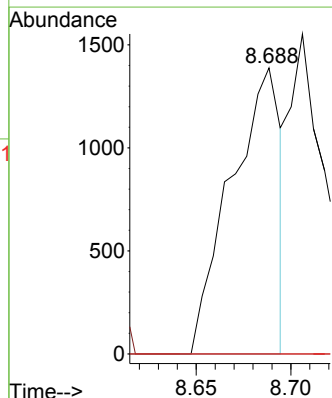
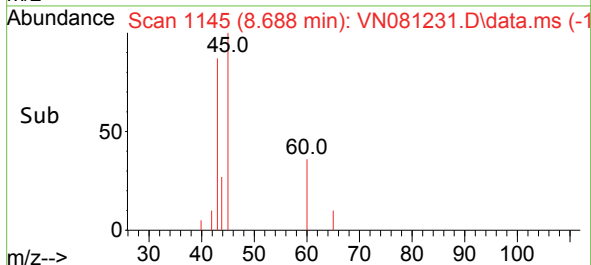
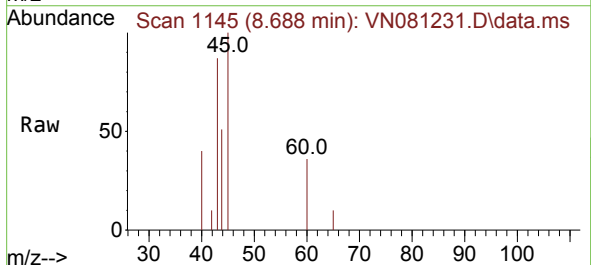


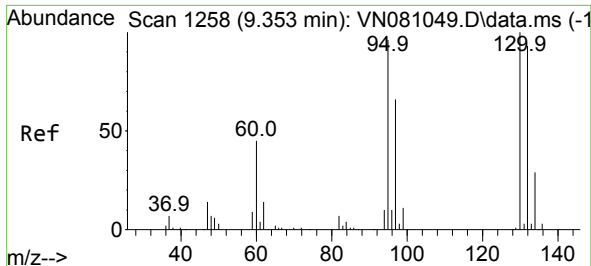
Tgt Ion:117 Resp: 38172
Ion Ratio Lower Upper
117 100
119 4.5 73.4 110.2#
121 0.0 24.4 36.6#



#43
Isopropyl Acetate
Concen: 0.270 ug/l
RT: 8.688 min Scan# 1145
Delta R.T. -0.000 min
Lab File: VN081231.D
Acq: 27 Feb 2024 20:00

Tgt Ion: 43 Resp: 2531
Ion Ratio Lower Upper
43 100
61 0.0 19.9 29.9#
87 0.0 9.0 13.6#

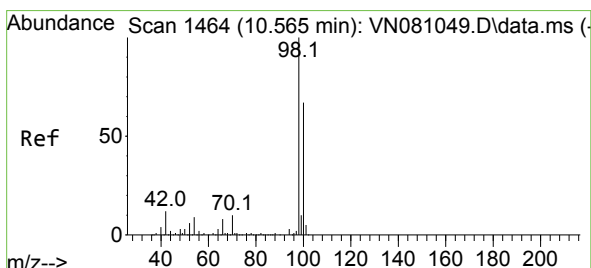
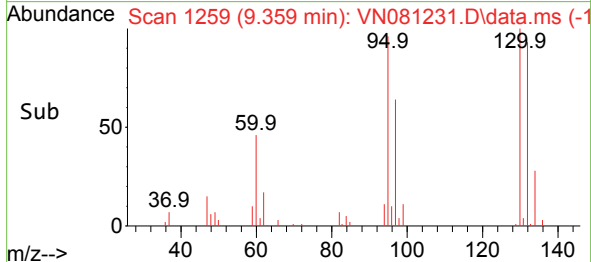
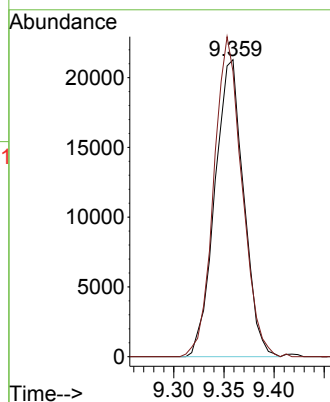
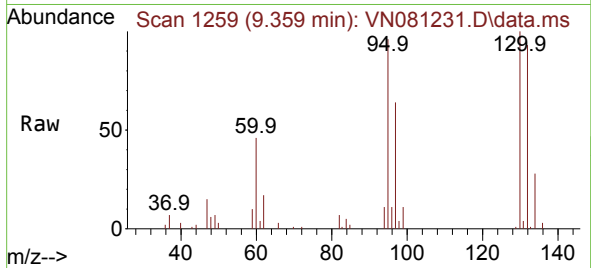




#44
Trichloroethene
Concen: 9.313 ug/l
RT: 9.359 min Scan# 11
Delta R.T. 0.006 min
Lab File: VN081231.D
Acq: 27 Feb 2024 20:00

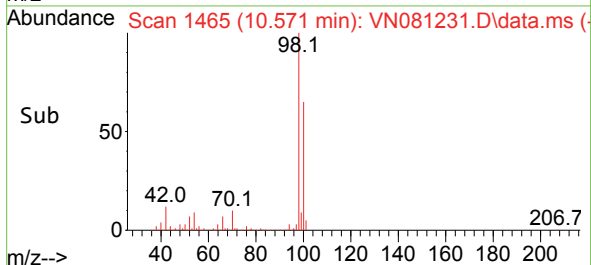
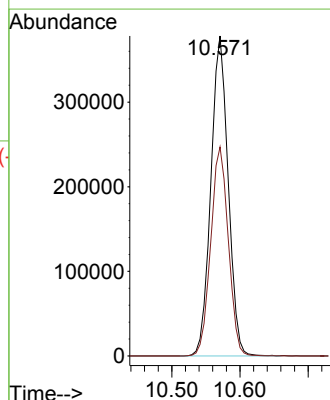
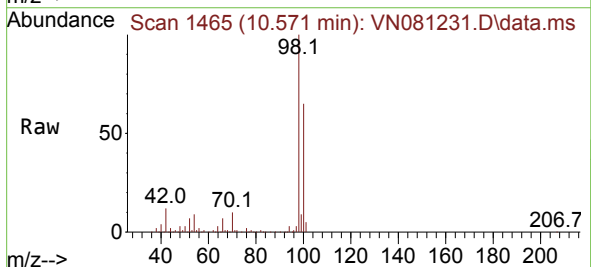
Instrument :
MSVOA_N
ClientSampleId :
TT162S1-20240222

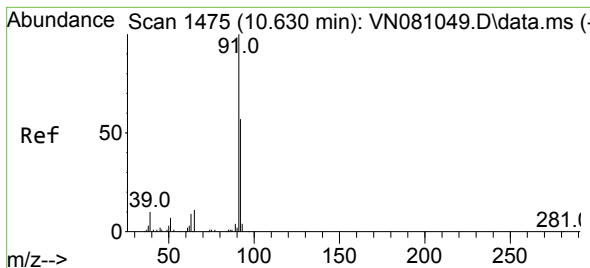
Tgt Ion:130 Resp: 42606
Ion Ratio Lower Upper
130 100
95 96.0 0.0 210.4



#50
Toluene-d8
Concen: 54.298 ug/l
RT: 10.571 min Scan# 1465
Delta R.T. 0.006 min
Lab File: VN081231.D
Acq: 27 Feb 2024 20:00

Tgt Ion: 98 Resp: 667968
Ion Ratio Lower Upper
98 100
100 66.3 51.4 77.0





#52

Toluene

Concen: 0.791 ug/l

RT: 10.641 min Scan# 1475

Delta R.T. 0.012 min

Lab File: VN081231.D

Acq: 27 Feb 2024 20:00

Instrument :

MSVOA_N

ClientSampleId :

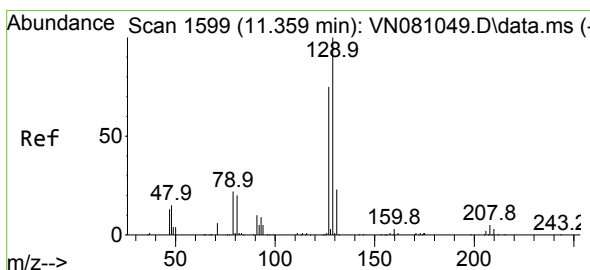
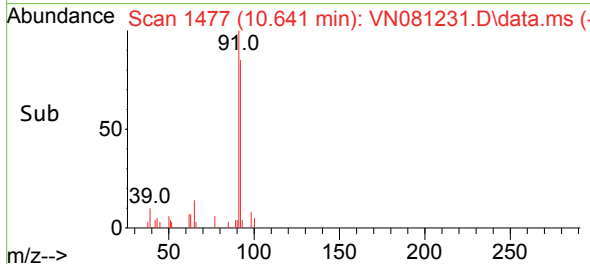
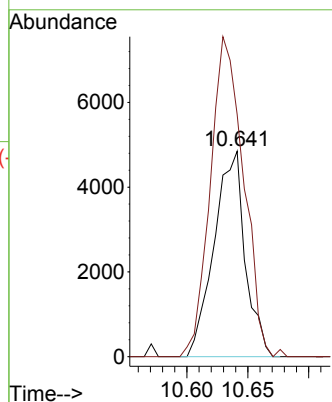
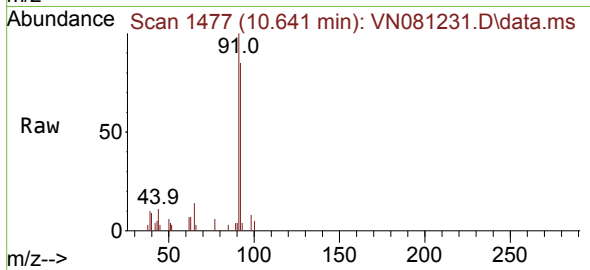
TT162S1-20240222

Tgt Ion: 92 Resp: 8604

Ion Ratio Lower Upper

92 100

91 166.6 139.4 209.0



#60

Dibromochloromethane

Concen: 0.705 ug/l

RT: 11.100 min Scan# 1555

Delta R.T. -0.259 min

Lab File: VN081231.D

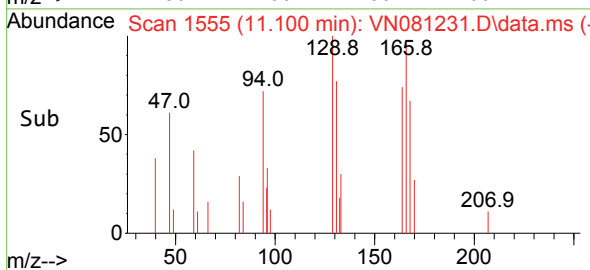
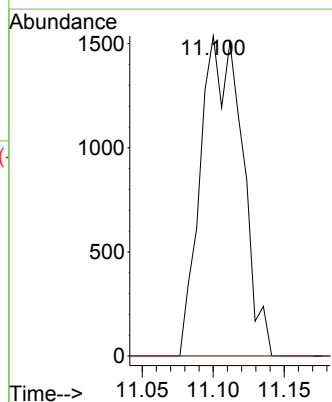
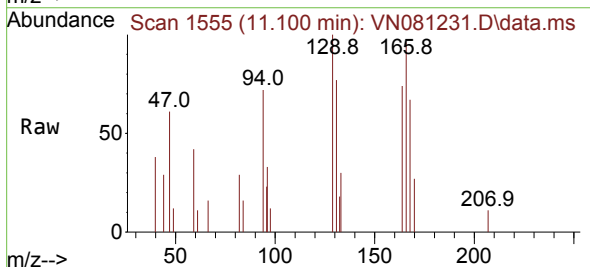
Acq: 27 Feb 2024 20:00

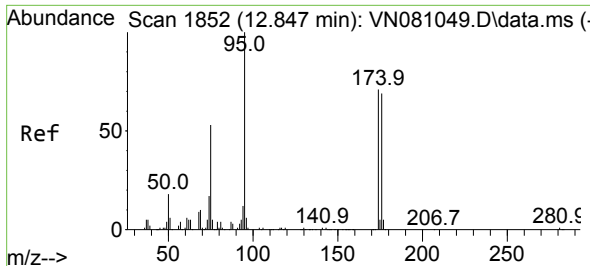
Tgt Ion: 129 Resp: 3130

Ion Ratio Lower Upper

129 100

127 0.0 39.4 118.2#

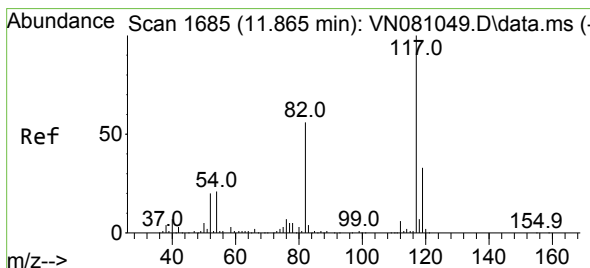
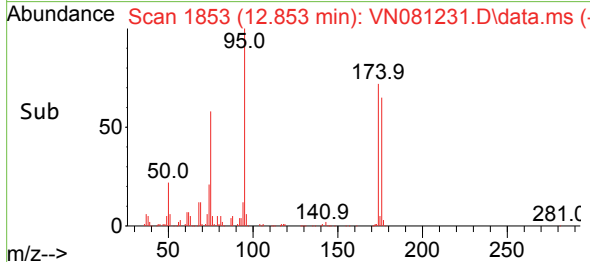
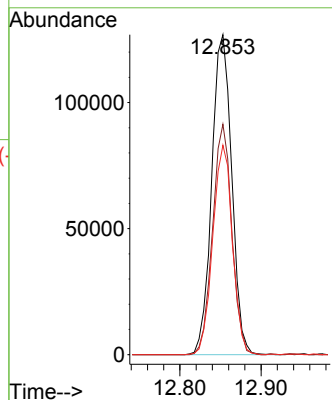
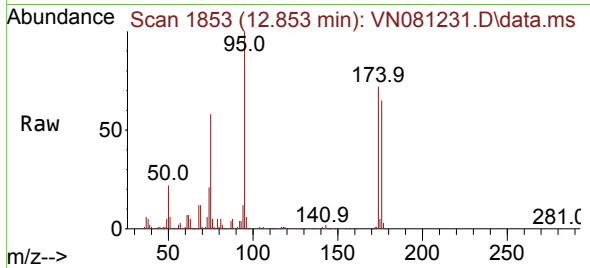




#62
4-Bromofluorobenzene
Concen: 46.904 ug/l
RT: 12.853 min Scan# 11
Delta R.T. 0.006 min
Lab File: VN081231.D
Acq: 27 Feb 2024 20:00

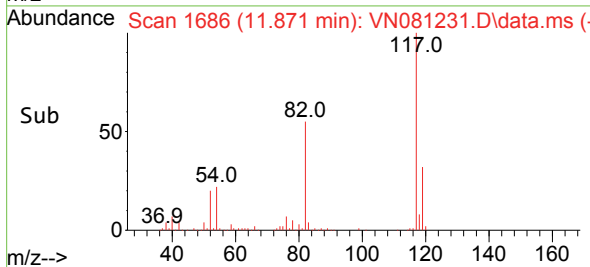
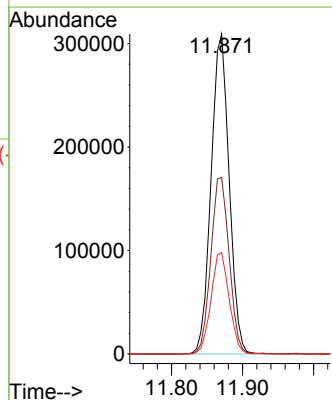
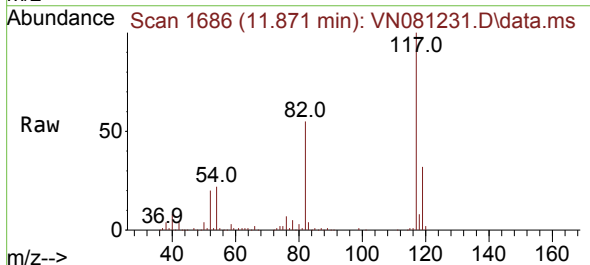
Instrument :
MSVOA_N
ClientSampleId :
TT162S1-20240222

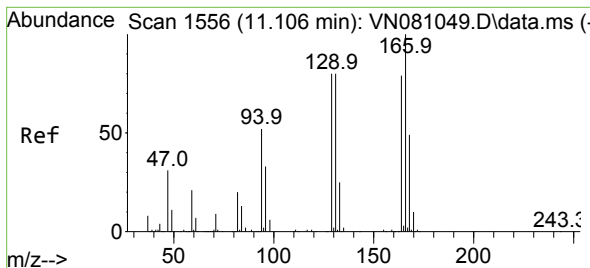
Tgt Ion: 95 Resp: 216810
Ion Ratio Lower Upper
95 100
174 69.2 0.0 120.4
176 64.2 0.0 121.0



#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.871 min Scan# 1686
Delta R.T. 0.006 min
Lab File: VN081231.D
Acq: 27 Feb 2024 20:00

Tgt Ion: 117 Resp: 545600
Ion Ratio Lower Upper
117 100
82 55.1 52.7 79.1
119 31.6 25.3 37.9





#64

Tetrachloroethene

Concen: 0.798 ug/l

RT: 11.112 min Scan# 11

Delta R.T. 0.006 min

Lab File: VN081231.D

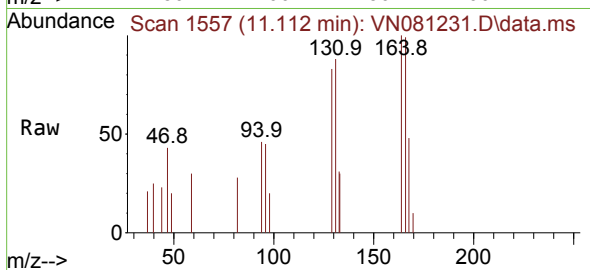
Acq: 27 Feb 2024 20:00

Instrument :

MSVOA_N

ClientSampleId :

TT162S1-20240222



Tgt Ion:164 Resp: 2970

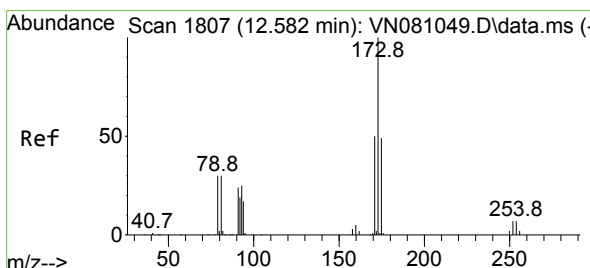
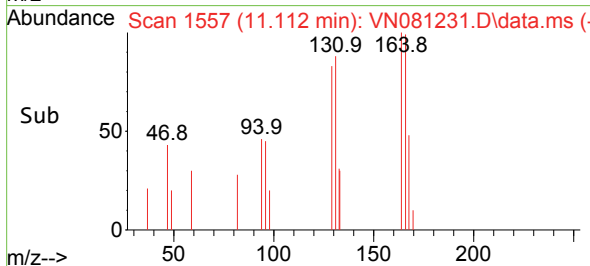
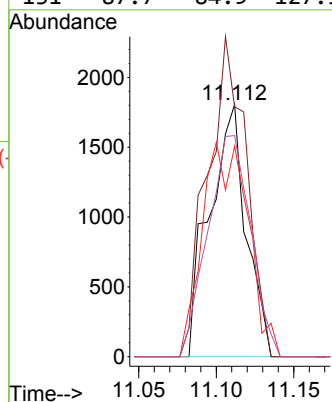
Ion Ratio Lower Upper

164 100

166 99.1 105.8 158.6#

129 83.4 89.6 134.4#

131 87.7 84.9 127.3



#71

Bromoform

Concen: 0.433 ug/l

RT: 12.847 min Scan# 1852

Delta R.T. 0.265 min

Lab File: VN081231.D

Acq: 27 Feb 2024 20:00

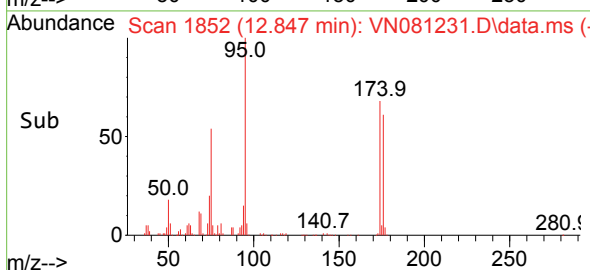
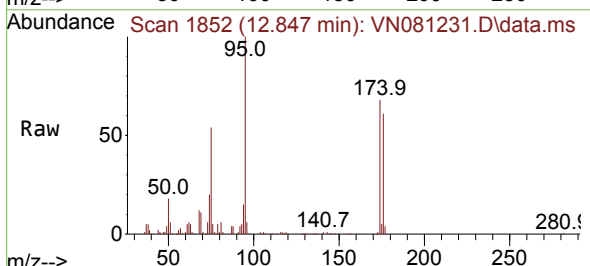
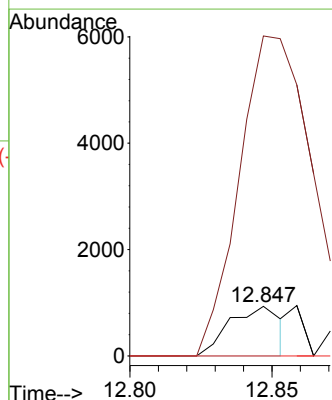
Tgt Ion:173 Resp: 1166

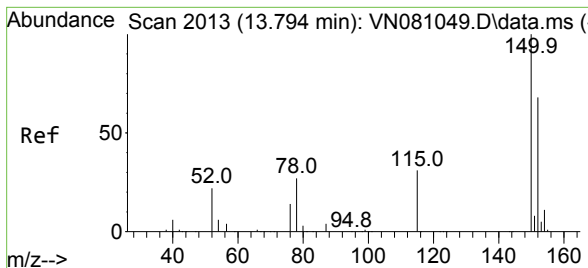
Ion Ratio Lower Upper

173 100

175 741.9 23.1 69.2#

254 0.0 0.0 0.0





#72

1,4-Dichlorobenzene-d4

Concen: 50.000 ug/l

RT: 13.794 min Scan# 20

Delta R.T. -0.000 min

Lab File: VN081231.D

Acq: 27 Feb 2024 20:00

Instrument :

MSVOA_N

ClientSampleId :

TT162S1-20240222

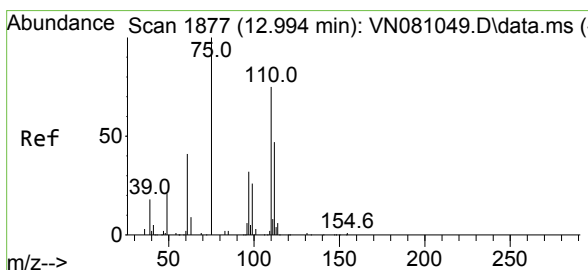
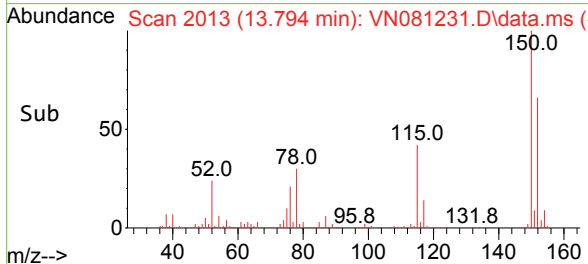
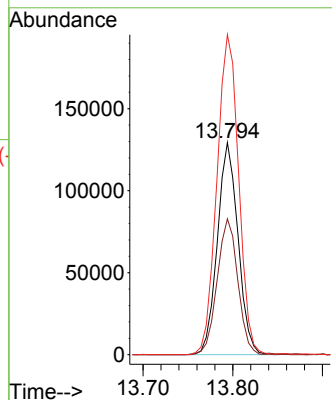
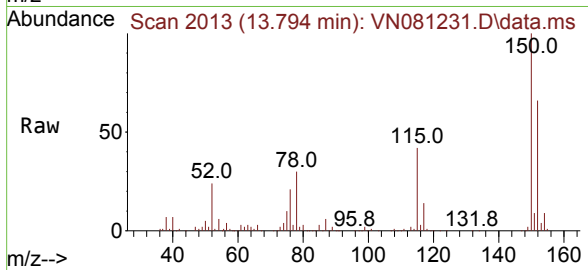
Tgt Ion:152 Resp: 207150

Ion Ratio Lower Upper

152 100

115 63.9 32.3 96.8

150 158.3 0.0 339.8



#76

1,2,3-Trichloropropane

Concen: 25.112 ug/l

RT: 12.853 min Scan# 1853

Delta R.T. -0.141 min

Lab File: VN081231.D

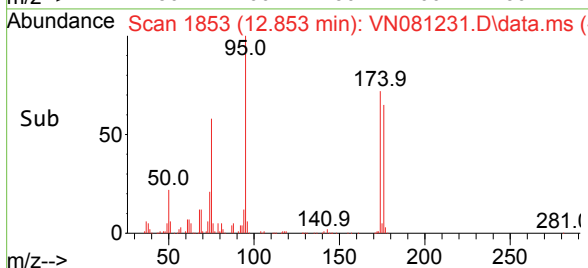
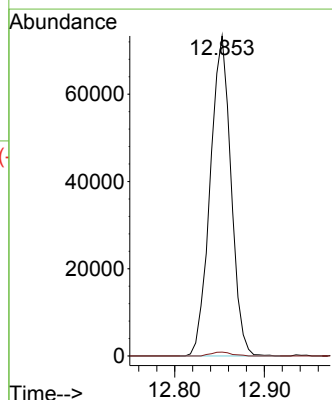
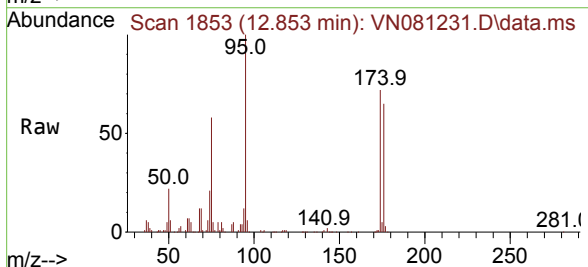
Acq: 27 Feb 2024 20:00

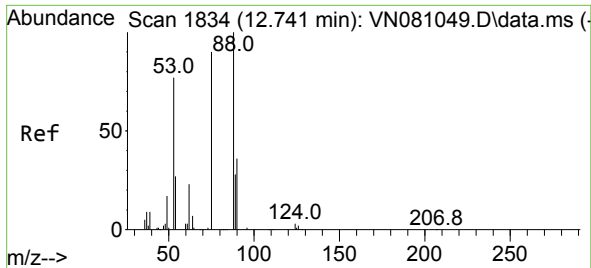
Tgt Ion: 75 Resp: 118192

Ion Ratio Lower Upper

75 100

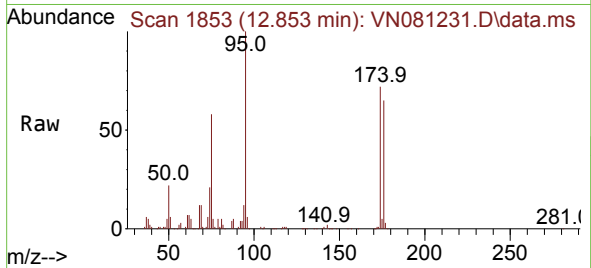
77 1.2 91.0 272.8#





#81
 trans-1,4-Dichloro-2-butene
 Concen: 64.636 ug/l
 RT: 12.853 min Scan# 11
 Delta R.T. 0.112 min
 Lab File: VN081231.D
 Acq: 27 Feb 2024 20:00

Instrument :
 MSVOA_N
 ClientSampleId :
 TT162S1-20240222



Tgt Ion: 75 Resp: 118192
 Ion Ratio Lower Upper
 75 100
 53 0.0 71.4 107.2#
 89 0.1 33.4 50.0#

