

Data Path : Z:\voasrv\HPCHEM1\MSVOA_N\Data\VN022824\
 Data File : VN081242.D
 Acq On : 28 Feb 2024 14:53
 Operator : JC\MD
 Sample : P1590-10RE
 Misc : 5.0mL/MSVOA_N/WATER
 ALS Vial : 8 Sample Multiplier: 1

Instrument :
 MSVOA_N
 ClientSampleId :
 TT162S1-20240222

Quant Time: Feb 28 23:26:23 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)

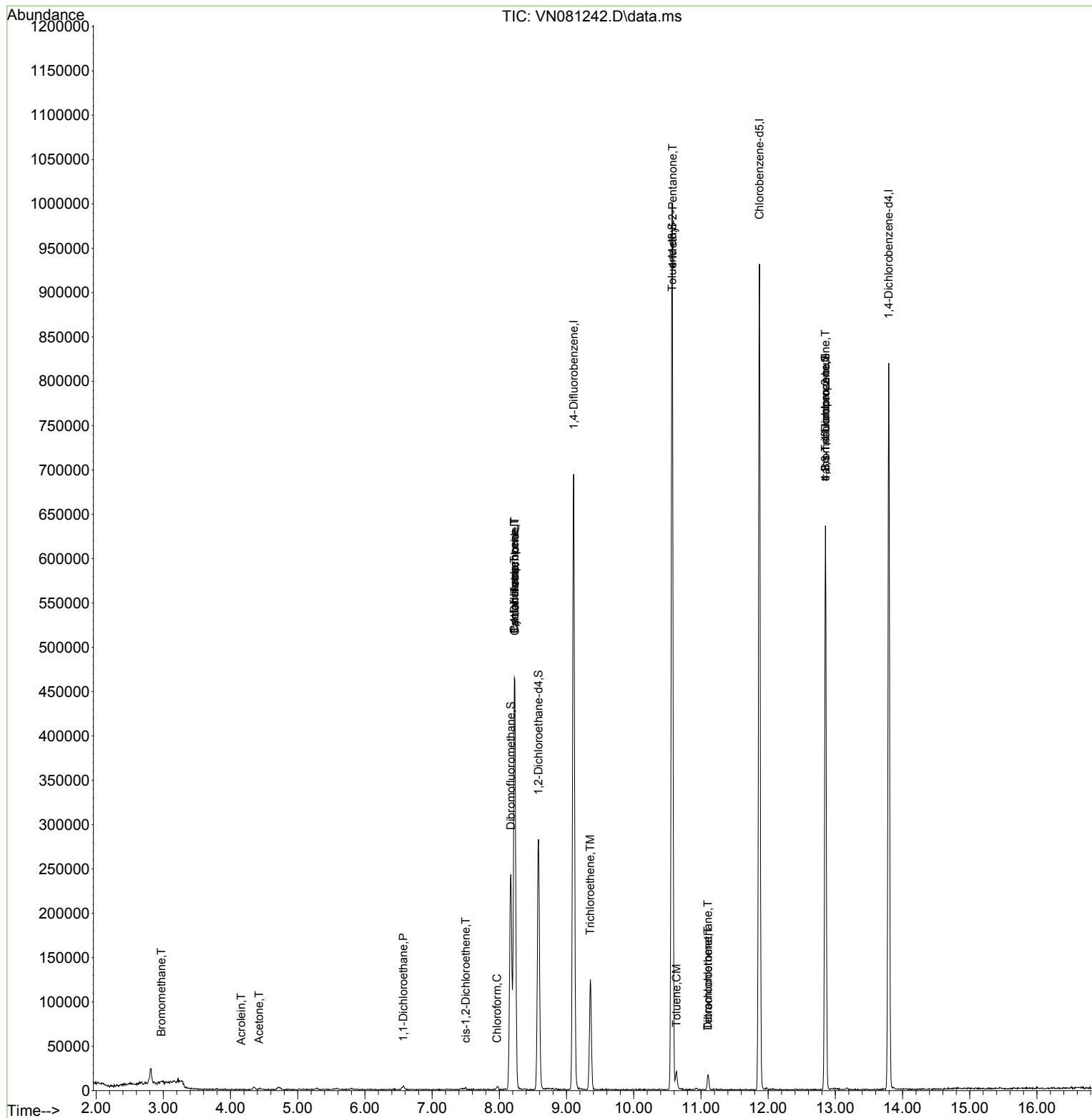
Internal Standards						
1) Pentafluorobenzene	8.224	168	314643	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	9.106	114	591703	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.871	117	521475	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.794	152	205691	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.583	65	223139	57.858	ug/l	0.00
Spiked Amount	50.000	Range	74 - 125	Recovery	=	115.720%
35) Dibromofluoromethane	8.171	113	175896	52.571	ug/l	0.00
Spiked Amount	50.000	Range	75 - 124	Recovery	=	105.140%
50) Toluene-d8	10.571	98	672576	56.596	ug/l	0.00
Spiked Amount	50.000	Range	86 - 113	Recovery	=	113.200%#
62) 4-Bromofluorobenzene	12.853	95	218839	49.008	ug/l	0.00
Spiked Amount	50.000	Range	83 - 123	Recovery	=	98.020%
Target Compounds						Qvalue
3) Chloromethane	2.371	50	1092	Below Cal	#	43
5) Bromomethane	2.971	94	1132	0.353	ug/l #	61
6) Chloroethane	3.101	64	135	Below Cal	#	1
13) Acrolein	4.159	56	150	0.395	ug/l	93
16) Acetone	4.424	43	1265	0.834	ug/l #	68
20) Methylene Chloride	5.277	84	799	Below Cal	#	26
24) 1,1-Dichloroethane	6.571	63	5528	0.798	ug/l #	82
27) cis-1,2-Dichloroethene	7.500	96	1074	0.233	ug/l	69
30) Chloroform	7.965	83	3437	0.467	ug/l #	71
31) Cyclohexane	8.224	56	9245	1.388	ug/l #	4
36) 1,1-Dichloropropene	8.224	75	31146	5.433	ug/l #	52
38) Carbon Tetrachloride	8.230	117	37735	6.507	ug/l #	21
44) Trichloroethene	9.353	130	42215	9.553	ug/l	91
51) 4-Methyl-2-Pentanone	10.577	43	3745	0.720	ug/l #	1
52) Toluene	10.635	92	8612	0.820	ug/l	89
60) Dibromochloromethane	11.106	129	3391	0.790	ug/l #	10
64) Tetrachloroethene	11.106	164	3009	0.845	ug/l #	71
76) 1,2,3-Trichloropropane	12.853	75	115522	24.719	ug/l #	1
81) trans-1,4-Dichloro-2-b...	12.853	75	115522	63.624	ug/l #	14

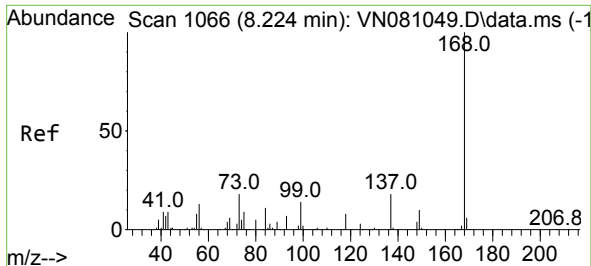
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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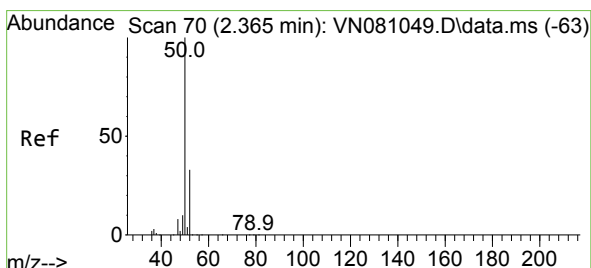
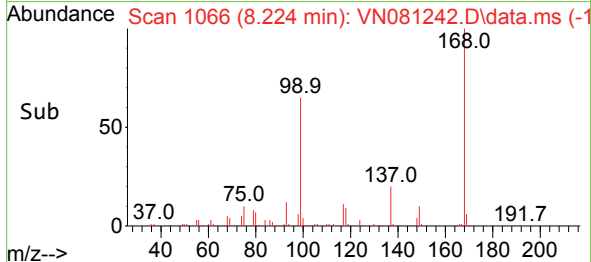
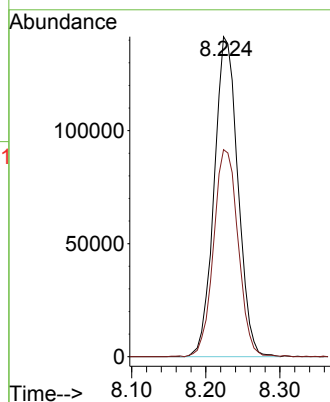
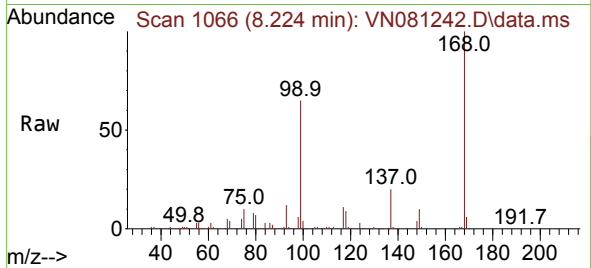




#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 8.224 min Scan# 1066
Delta R.T. -0.000 min
Lab File: VN081242.D
Acq: 28 Feb 2024 14:53

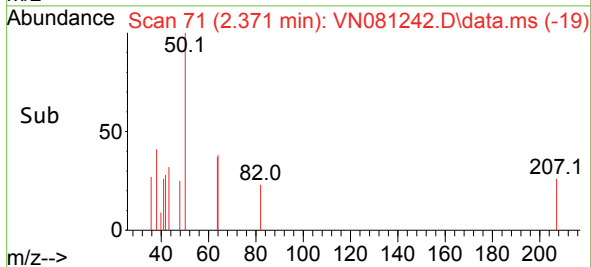
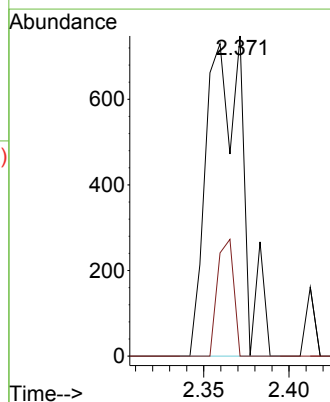
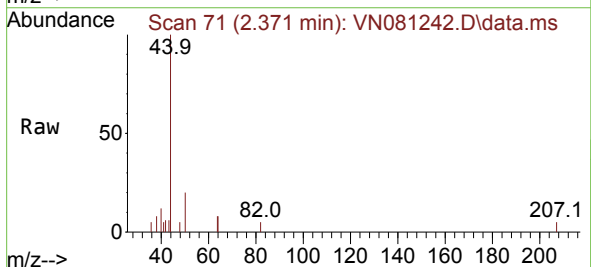
Instrument :
MSVOA_N
ClientSampleId :
TT162S1-20240222

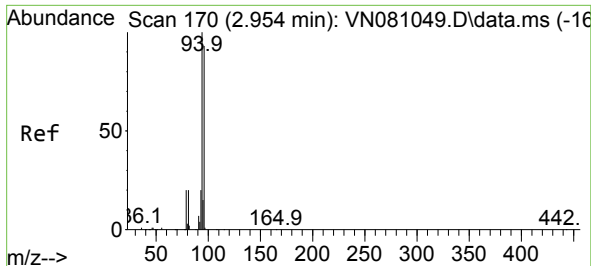
Tgt Ion:168 Resp: 314643
Ion Ratio Lower Upper
168 100
99 64.5 59.9 89.9



#3
Chloromethane
Concen: Below Cal
RT: 2.371 min Scan# 71
Delta R.T. 0.006 min
Lab File: VN081242.D
Acq: 28 Feb 2024 14:53

Tgt Ion: 50 Resp: 1092
Ion Ratio Lower Upper
50 100
52 0.0 25.0 37.4#

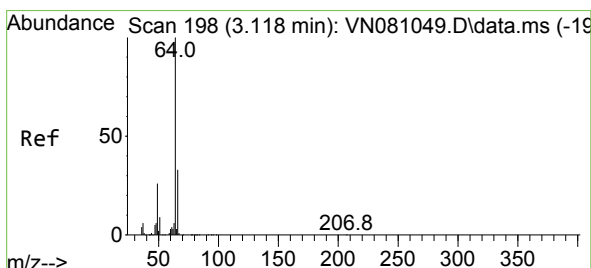
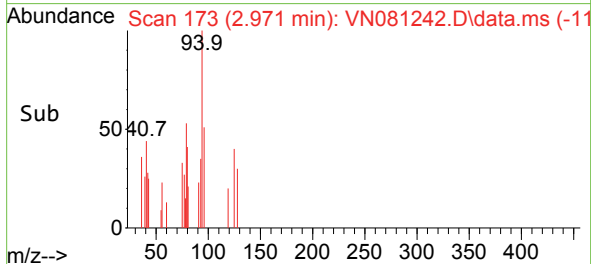
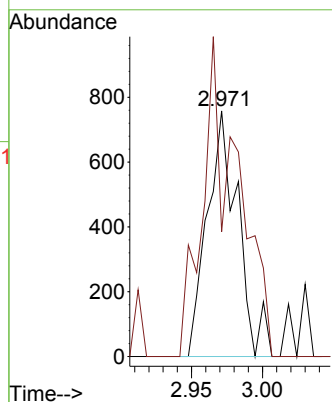
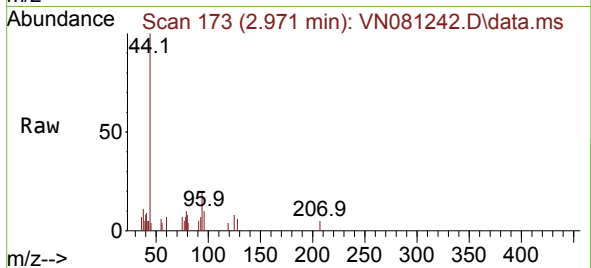




#5
Bromomethane
Concen: 0.353 ug/l
RT: 2.971 min Scan# 11
Delta R.T. 0.017 min
Lab File: VN081242.D
Acq: 28 Feb 2024 14:53

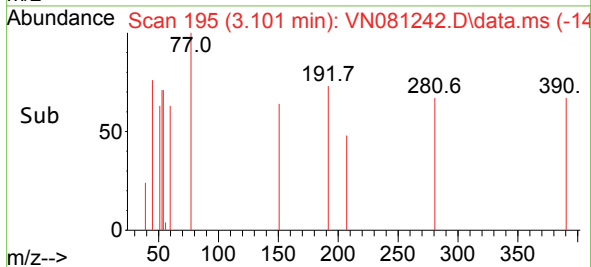
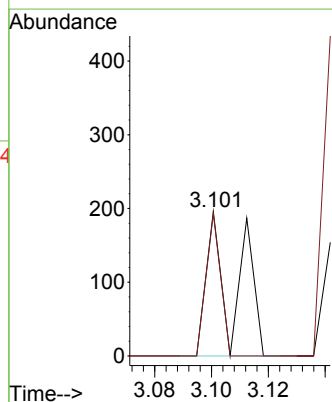
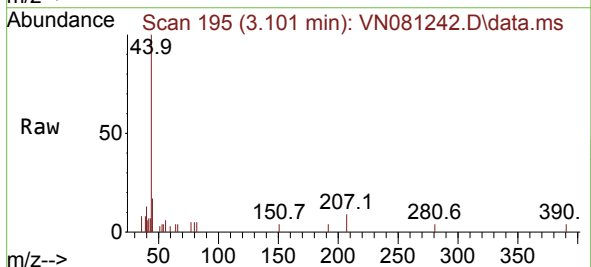
Instrument :
MSVOA_N
ClientSampleId :
TT162S1-20240222

Tgt Ion: 94 Resp: 1132
Ion Ratio Lower Upper
94 100
96 50.8 69.2 103.8#



#6
Chloroethane
Concen: Below Cal
RT: 3.101 min Scan# 195
Delta R.T. -0.017 min
Lab File: VN081242.D
Acq: 28 Feb 2024 14:53

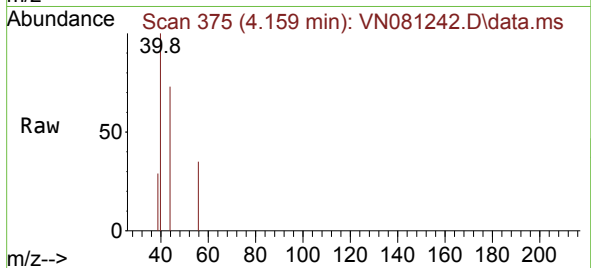
Tgt Ion: 64 Resp: 135
Ion Ratio Lower Upper
64 100
66 98.5 26.4 39.6#



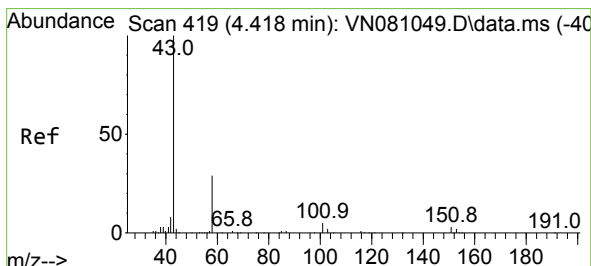
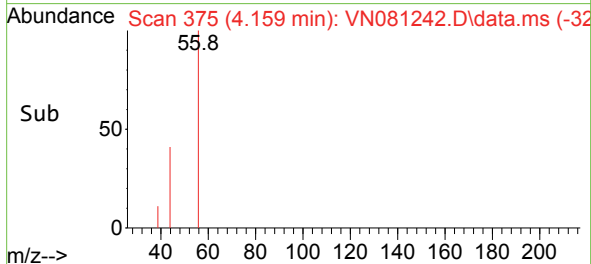
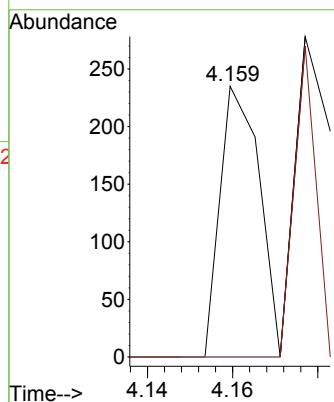


#13
Acrolein
Concen: 0.395 ug/l
RT: 4.159 min Scan# 31
Delta R.T. -0.018 min
Lab File: VN081242.D
Acq: 28 Feb 2024 14:53

Instrument :
MSVOA_N
ClientSampleId :
TT162S1-20240222

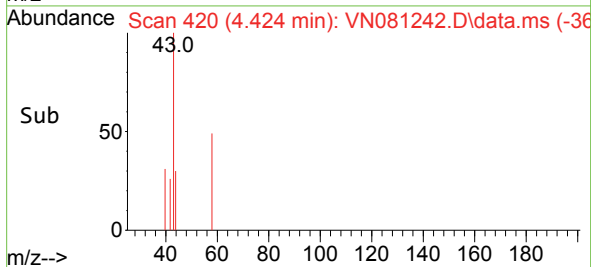
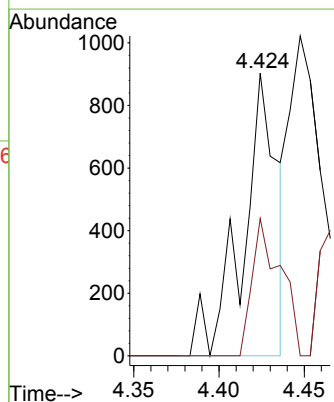
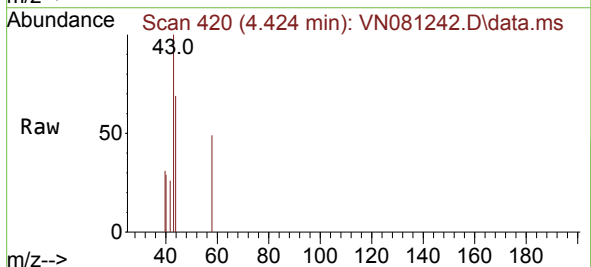


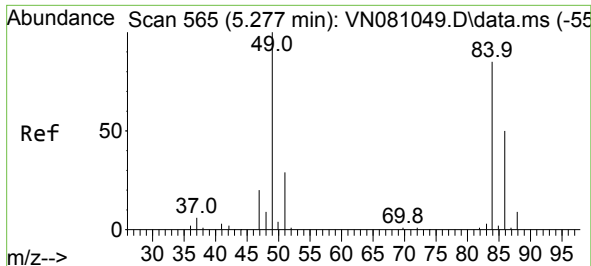
Tgt Ion: 56 Resp: 150
Ion Ratio Lower Upper
56 100
55 63.3 55.3 82.9



#16
Acetone
Concen: 0.834 ug/l
RT: 4.424 min Scan# 420
Delta R.T. 0.006 min
Lab File: VN081242.D
Acq: 28 Feb 2024 14:53

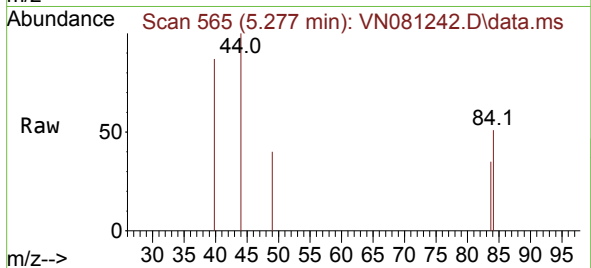
Tgt Ion: 43 Resp: 1265
Ion Ratio Lower Upper
43 100
58 48.6 24.8 37.2#



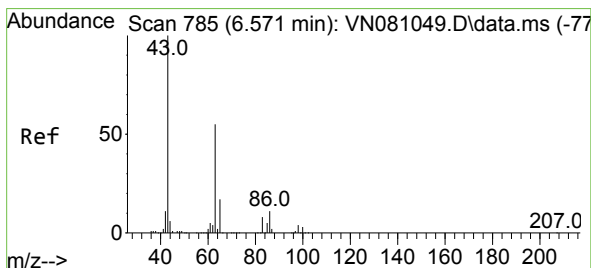
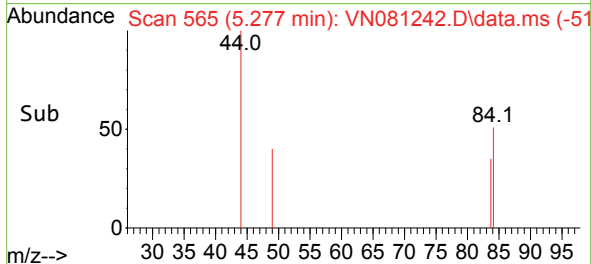
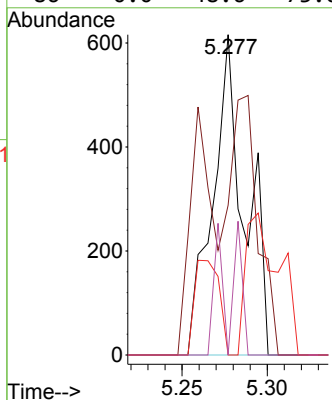


#20
Methylene Chloride
Concen: Below Cal
RT: 5.277 min Scan# 50
Delta R.T. -0.000 min
Lab File: VN081242.D
Acq: 28 Feb 2024 14:53

Instrument :
MSVOA_N
ClientSampleId :
TT162S1-20240222

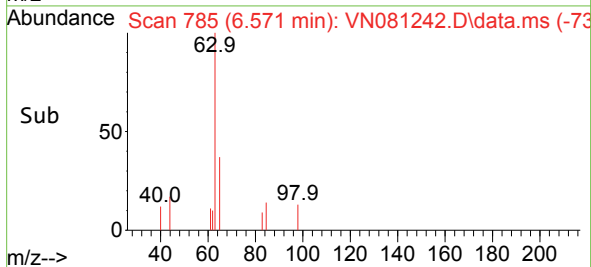
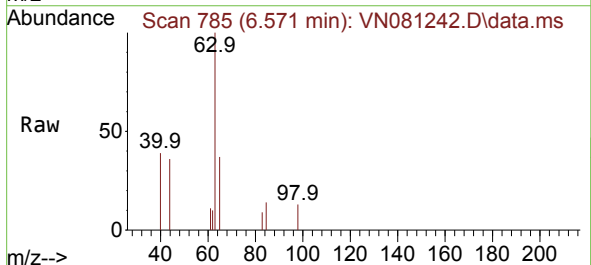
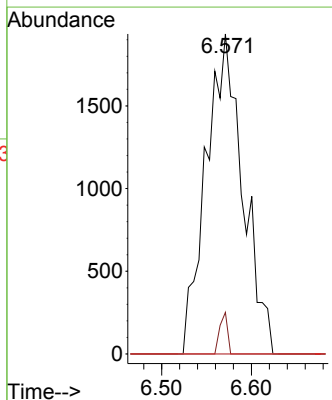


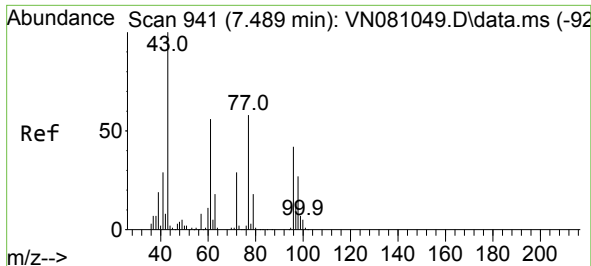
Tgt Ion:	84	Resp:	799
Ion	Ratio	Lower	Upper
84	100		
49	46.8	108.1	162.1#
51	0.0	32.9	49.3#
86	0.0	48.6	73.0#



#24
1,1-Dichloroethane
Concen: 0.798 ug/l
RT: 6.571 min Scan# 785
Delta R.T. 0.000 min
Lab File: VN081242.D
Acq: 28 Feb 2024 14:53

Tgt Ion:	63	Resp:	5528
Ion	Ratio	Lower	Upper
63	100		
98	13.0	2.9	8.6#
100	0.0	1.9	5.7#

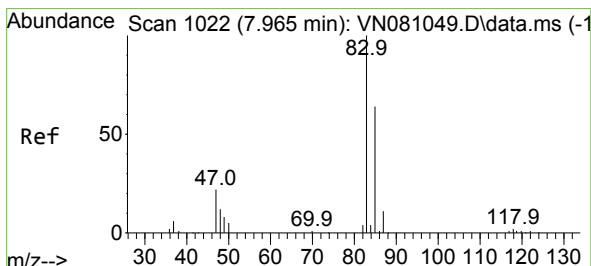
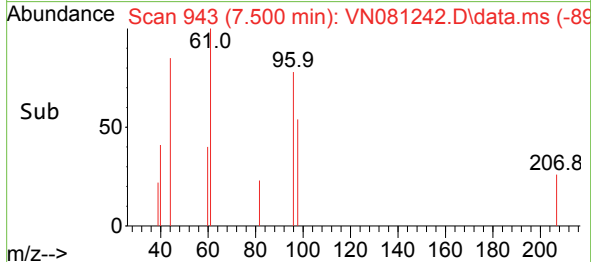
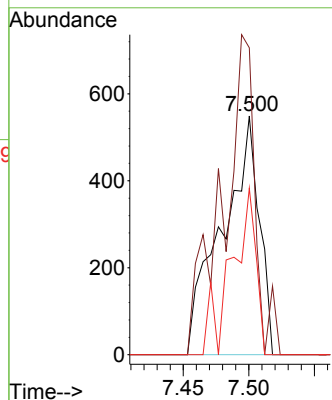
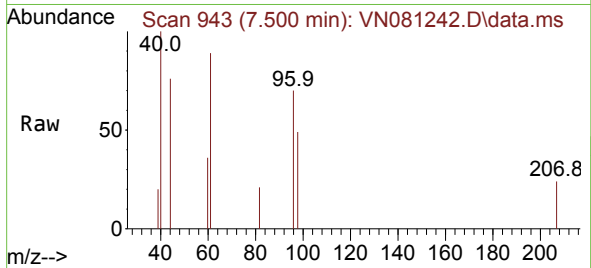




#27
 cis-1,2-Dichloroethene
 Concen: 0.233 ug/l
 RT: 7.500 min Scan# 941
 Delta R.T. 0.012 min
 Lab File: VN081242.D
 Acq: 28 Feb 2024 14:53

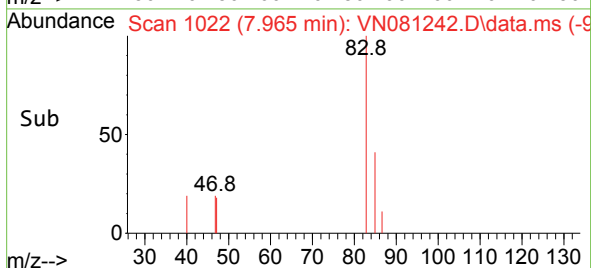
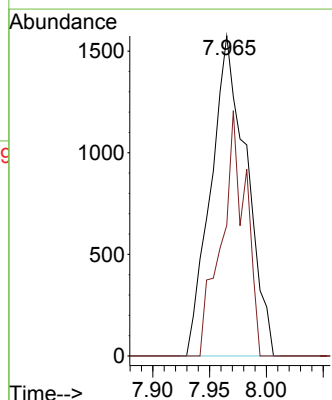
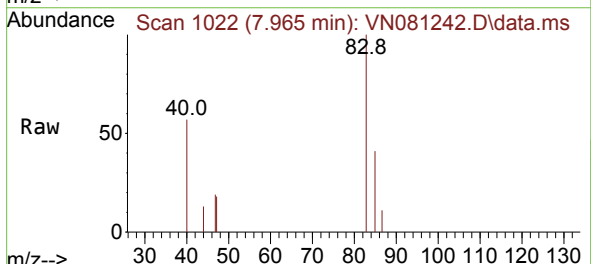
Instrument :
 MSVOA_N
 ClientSampleId :
 TT162S1-20240222

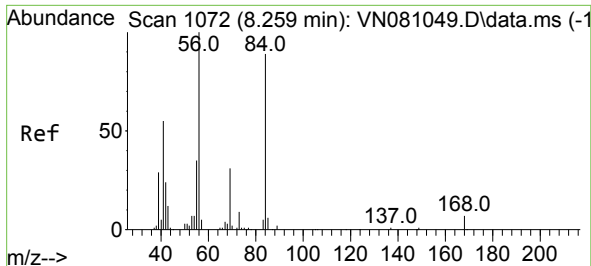
Tgt Ion: 96 Resp: 1074
 Ion Ratio Lower Upper
 96 100
 61 117.8 0.0 325.4
 98 46.5 0.0 130.4



#30
 Chloroform
 Concen: 0.467 ug/l
 RT: 7.965 min Scan# 1022
 Delta R.T. 0.000 min
 Lab File: VN081242.D
 Acq: 28 Feb 2024 14:53

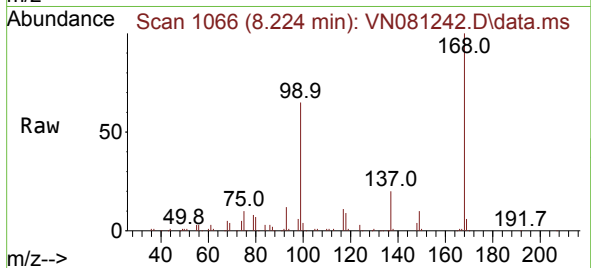
Tgt Ion: 83 Resp: 3437
 Ion Ratio Lower Upper
 83 100
 85 40.8 51.0 76.6#



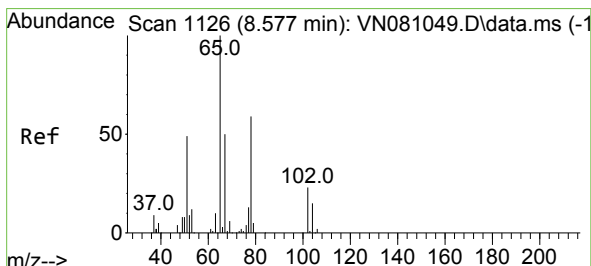
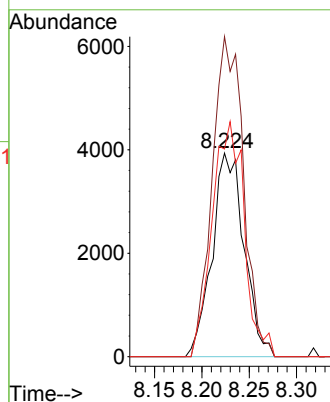
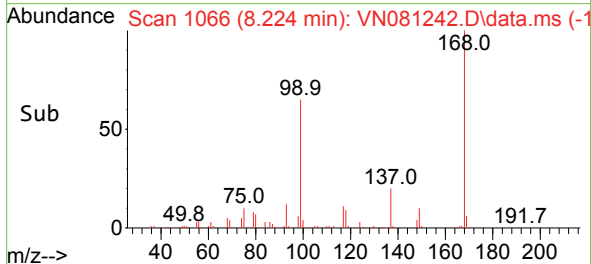


#31
Cyclohexane
Concen: 1.388 ug/l
RT: 8.224 min Scan# 1066
Delta R.T. -0.035 min
Lab File: VN081242.D
Acq: 28 Feb 2024 14:53

Instrument :
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ClientSampleId :
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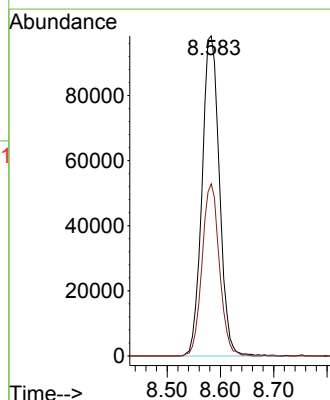
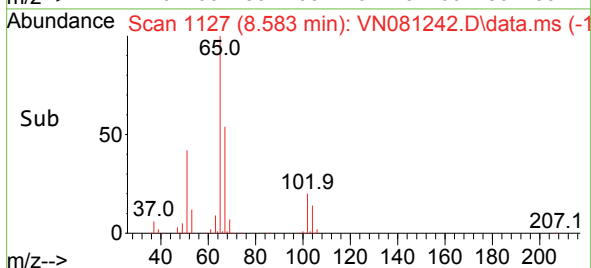
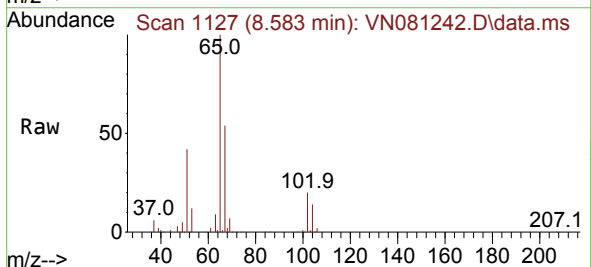


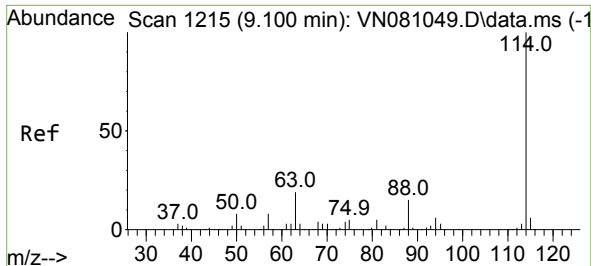
Tgt Ion: 56 Resp: 9245
Ion Ratio Lower Upper
56 100
69 157.3 20.1 30.1#
84 102.1 56.9 85.3#



#33
1,2-Dichloroethane-d4
Concen: 57.858 ug/l
RT: 8.583 min Scan# 1127
Delta R.T. 0.006 min
Lab File: VN081242.D
Acq: 28 Feb 2024 14:53

Tgt Ion: 65 Resp: 223139
Ion Ratio Lower Upper
65 100
67 53.5 0.0 102.4

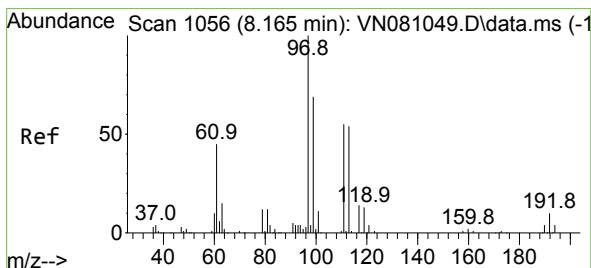
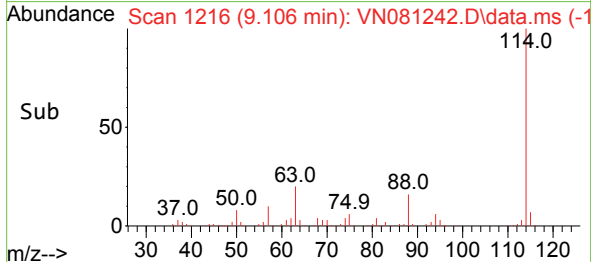
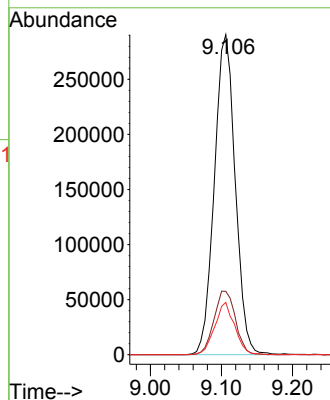
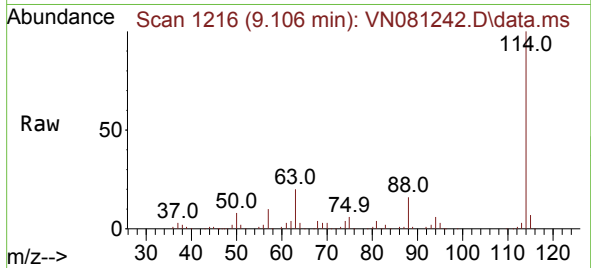




#34
1,4-Difluorobenzene
Concen: 50.000 ug/l
RT: 9.106 min Scan# 11
Delta R.T. 0.006 min
Lab File: VN081242.D
Acq: 28 Feb 2024 14:53

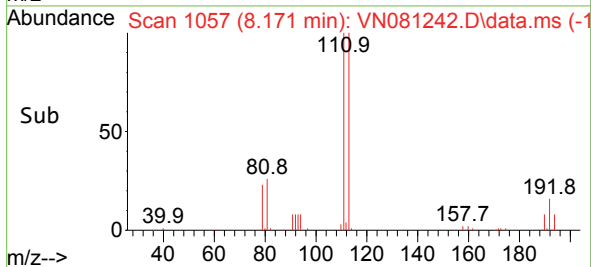
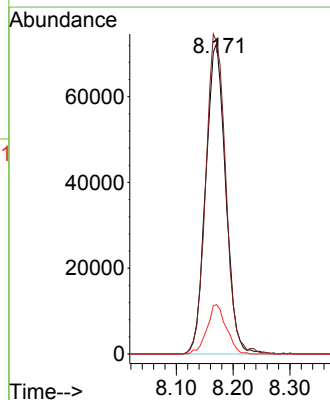
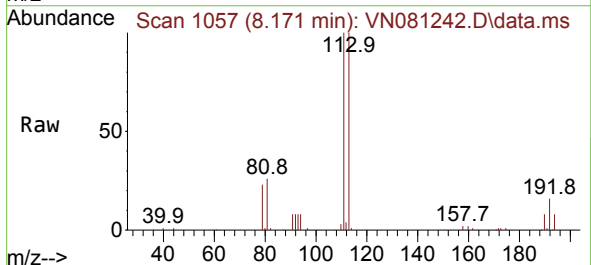
Instrument :
MSVOA_N
ClientSampleId :
TT162S1-20240222

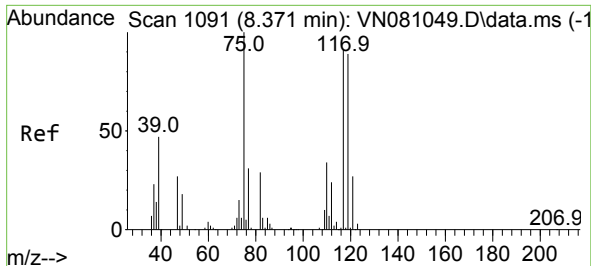
Tgt Ion:114 Resp: 591703
Ion Ratio Lower Upper
114 100
63 19.8 0.0 48.0
88 16.4 0.0 34.8



#35
Dibromofluoromethane
Concen: 52.571 ug/l
RT: 8.171 min Scan# 1057
Delta R.T. 0.006 min
Lab File: VN081242.D
Acq: 28 Feb 2024 14:53

Tgt Ion:113 Resp: 175896
Ion Ratio Lower Upper
113 100
111 103.2 82.2 123.4
192 15.4 12.5 18.7





#36

1,1-Dichloropropene

Concen: 5.433 ug/l

RT: 8.224 min Scan# 1066

Delta R.T. -0.147 min

Lab File: VN081242.D

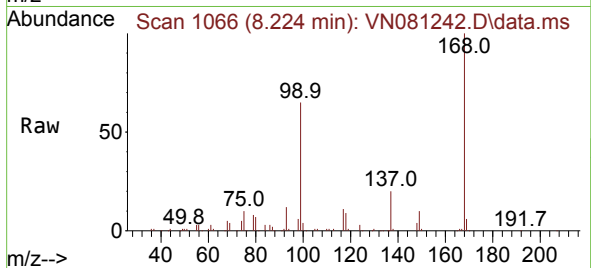
Acq: 28 Feb 2024 14:53

Instrument :

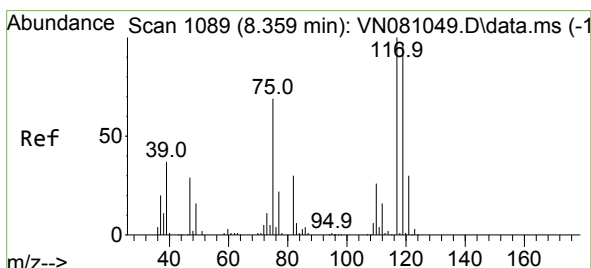
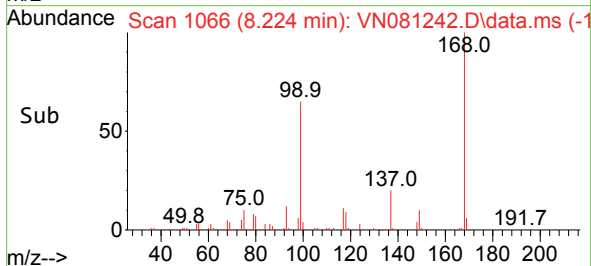
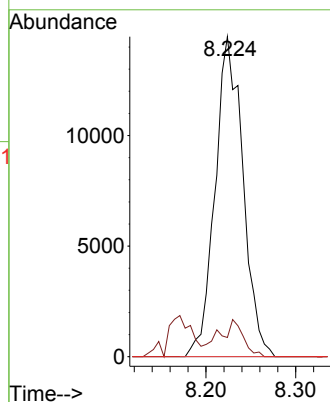
MSVOA_N

ClientSampleId :

TT162S1-20240222



Tgt Ion:	75	Resp:	31146
Ion Ratio	Lower	Upper	
75	100		
110	10.2	16.0	48.0#
77	0.0	25.8	38.6#



#38

Carbon Tetrachloride

Concen: 6.507 ug/l

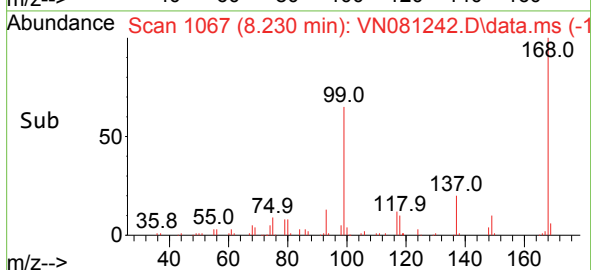
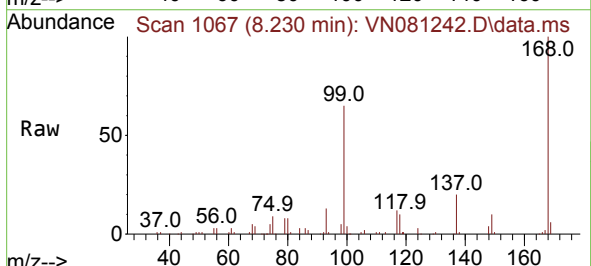
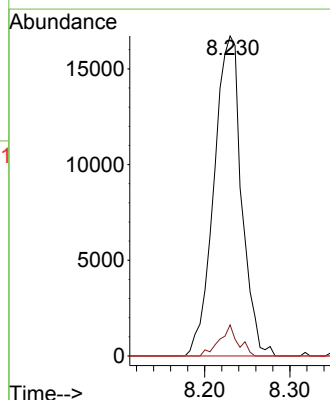
RT: 8.230 min Scan# 1067

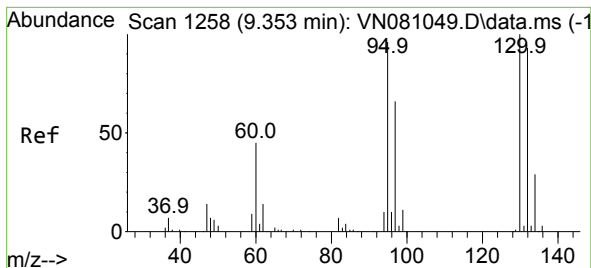
Delta R.T. -0.129 min

Lab File: VN081242.D

Acq: 28 Feb 2024 14:53

Tgt Ion:	117	Resp:	37735
Ion Ratio	Lower	Upper	
117	100		
119	9.7	73.4	110.2#
121	0.0	24.4	36.6#





#44

Trichloroethene

Concen: 9.553 ug/l

RT: 9.353 min Scan# 1

Delta R.T. 0.000 min

Lab File: VN081242.D

Acq: 28 Feb 2024 14:53

Instrument :

MSVOA_N

ClientSampleId :

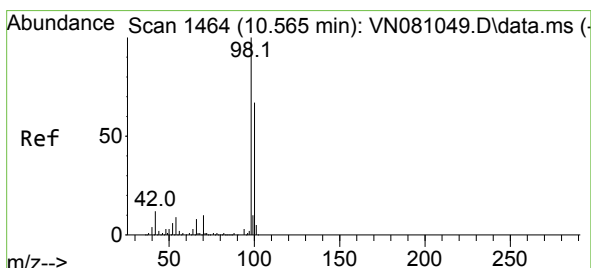
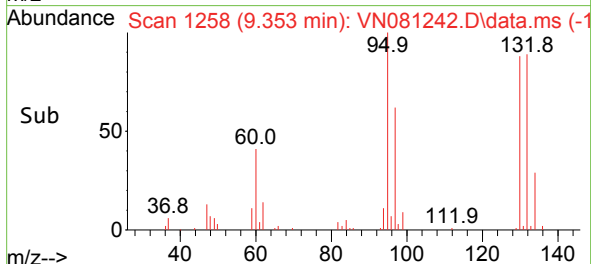
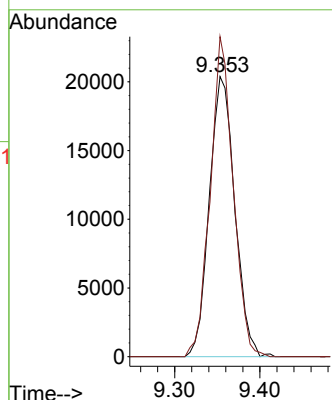
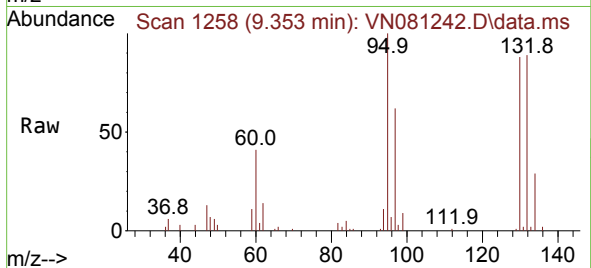
TT162S1-20240222

Tgt Ion:130 Resp: 42215

Ion Ratio Lower Upper

130 100

95 114.2 0.0 210.4



#50

Toluene-d8

Concen: 56.596 ug/l

RT: 10.571 min Scan# 1465

Delta R.T. 0.006 min

Lab File: VN081242.D

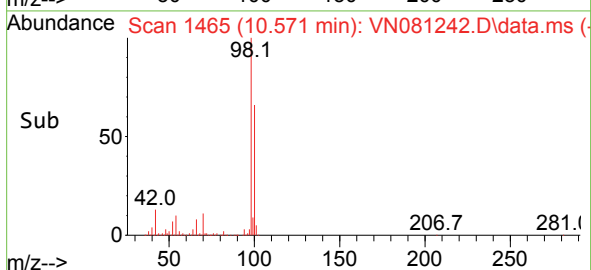
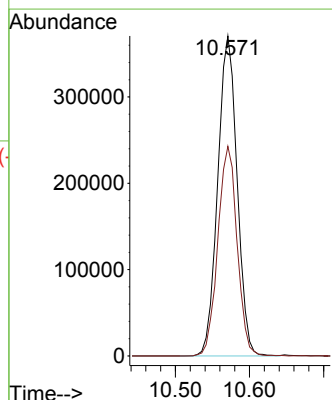
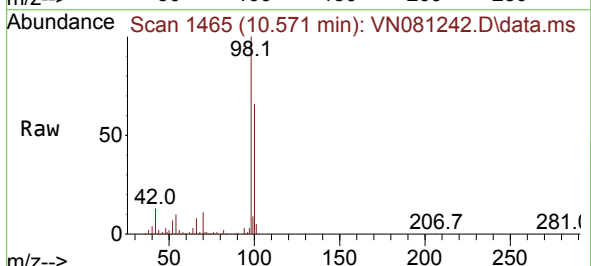
Acq: 28 Feb 2024 14:53

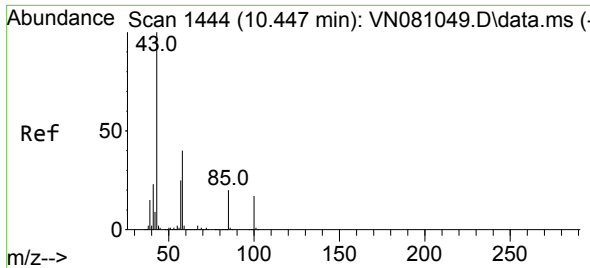
Tgt Ion: 98 Resp: 672576

Ion Ratio Lower Upper

98 100

100 65.3 51.4 77.0

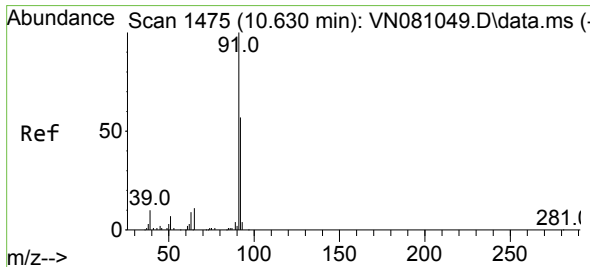
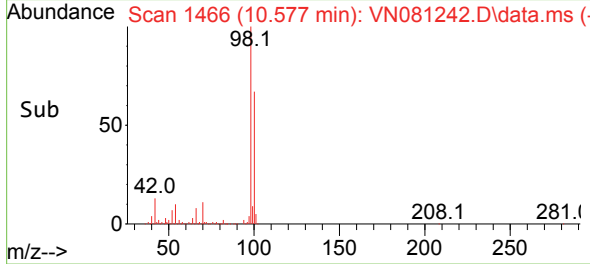
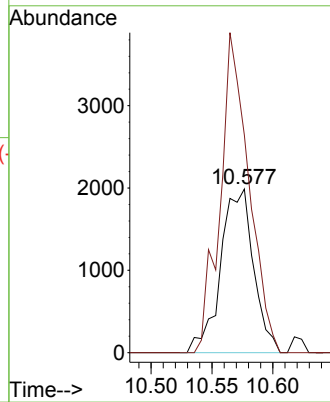
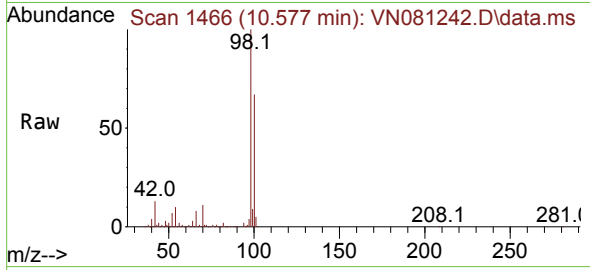




#51
4-Methyl-2-Pentanone
Concen: 0.720 ug/l
RT: 10.577 min Scan# 1466
Delta R.T. 0.129 min
Lab File: VN081242.D
Acq: 28 Feb 2024 14:53

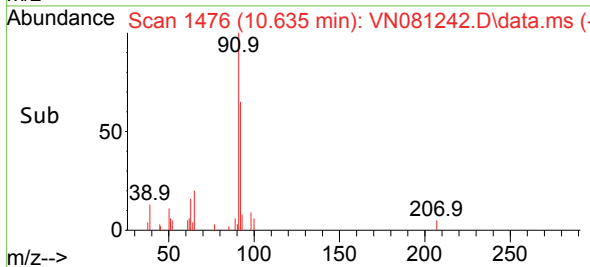
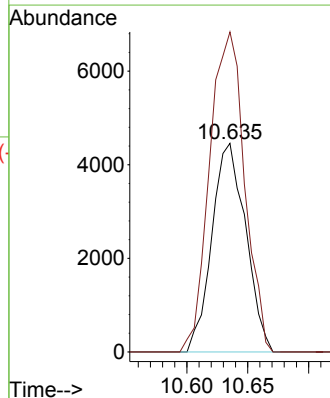
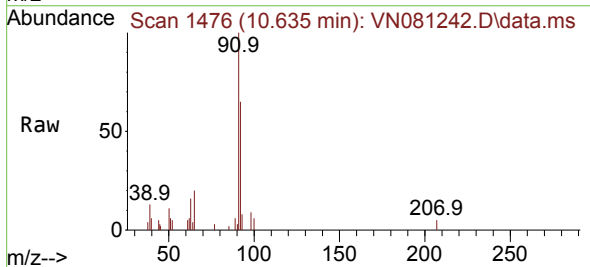
Instrument :
MSVOA_N
ClientSampleId :
TT162S1-20240222

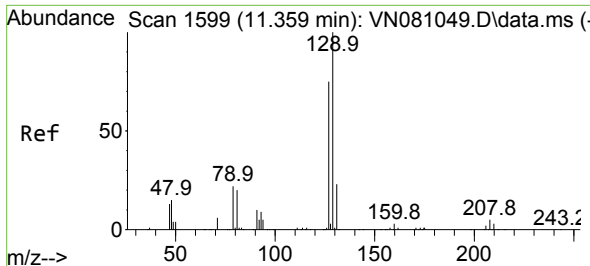
Tgt Ion: 43 Resp: 3745
Ion Ratio Lower Upper
43 100
58 171.1 29.4 44.0#



#52
Toluene
Concen: 0.820 ug/l
RT: 10.635 min Scan# 1476
Delta R.T. 0.006 min
Lab File: VN081242.D
Acq: 28 Feb 2024 14:53

Tgt Ion: 92 Resp: 8612
Ion Ratio Lower Upper
92 100
91 159.1 139.4 209.0

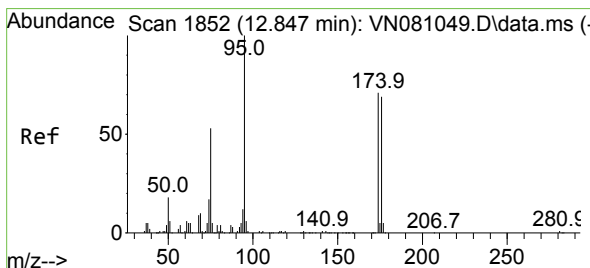
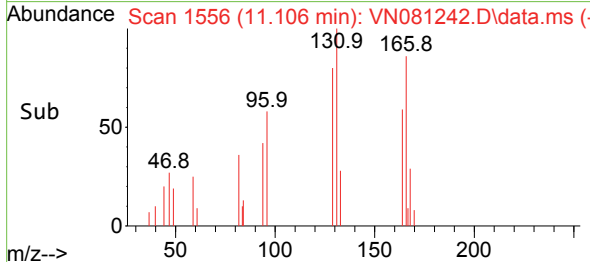
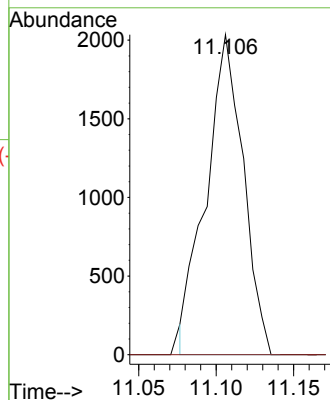
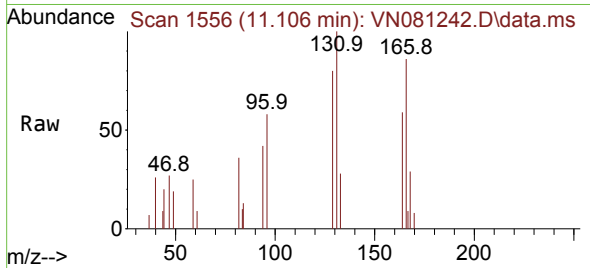




#60
Dibromochloromethane
Concen: 0.790 ug/l
RT: 11.106 min Scan# 11
Delta R.T. -0.253 min
Lab File: VN081242.D
Acq: 28 Feb 2024 14:53

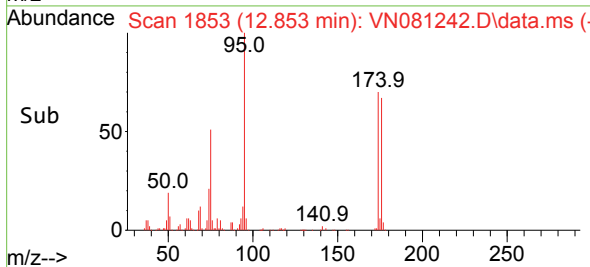
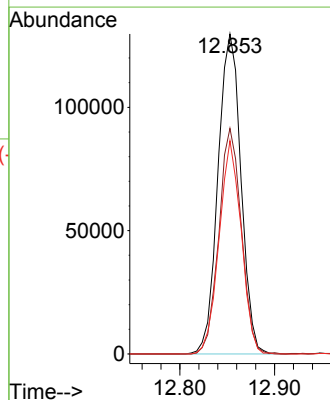
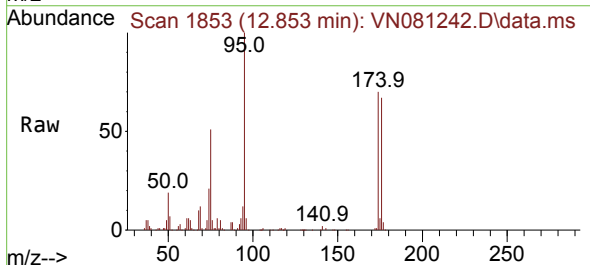
Instrument :
MSVOA_N
ClientSampleId :
TT162S1-20240222

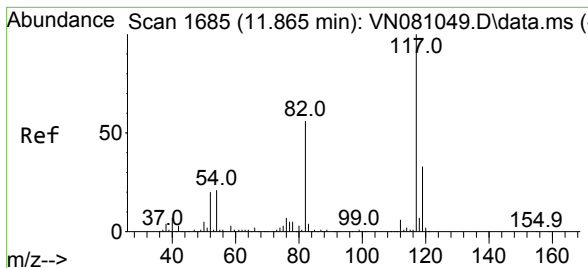
Tgt Ion:129 Resp: 3391
Ion Ratio Lower Upper
129 100
127 0.0 39.4 118.2#



#62
4-Bromofluorobenzene
Concen: 49.008 ug/l
RT: 12.853 min Scan# 1853
Delta R.T. 0.006 min
Lab File: VN081242.D
Acq: 28 Feb 2024 14:53

Tgt Ion: 95 Resp: 218839
Ion Ratio Lower Upper
95 100
174 69.0 0.0 120.4
176 64.0 0.0 121.0





#63

Chlorobenzene-d5

Concen: 50.000 ug/l

RT: 11.871 min Scan# 1

Delta R.T. 0.006 min

Lab File: VN081242.D

Acq: 28 Feb 2024 14:53

Instrument :

MSVOA_N

ClientSampleId :

TT162S1-20240222

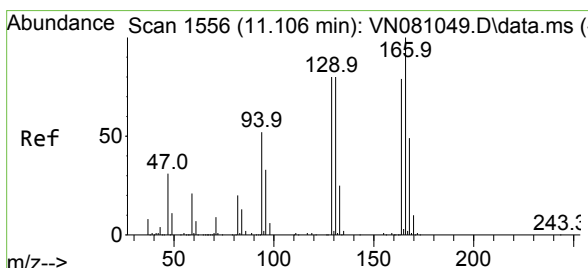
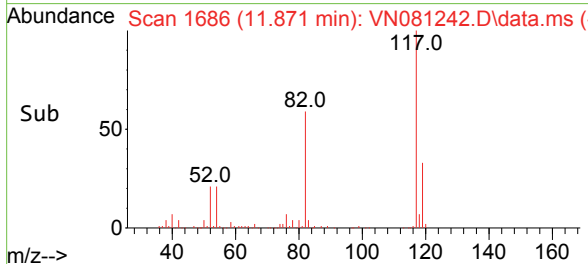
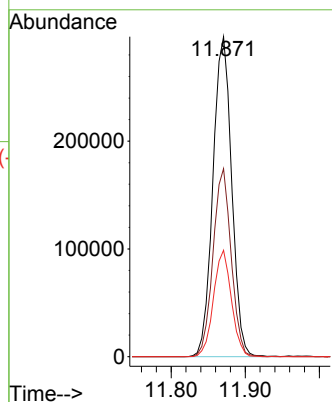
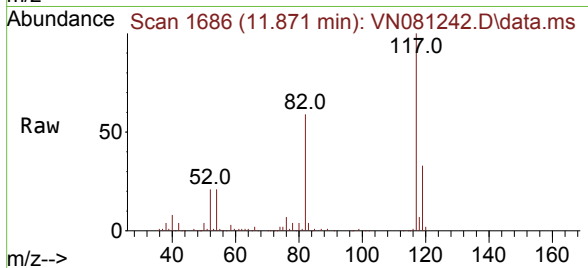
Tgt Ion:117 Resp: 521475

Ion Ratio Lower Upper

117 100

82 58.8 52.7 79.1

119 33.3 25.3 37.9



#64

Tetrachloroethene

Concen: 0.845 ug/l

RT: 11.106 min Scan# 1556

Delta R.T. 0.000 min

Lab File: VN081242.D

Acq: 28 Feb 2024 14:53

Tgt Ion:164 Resp: 3009

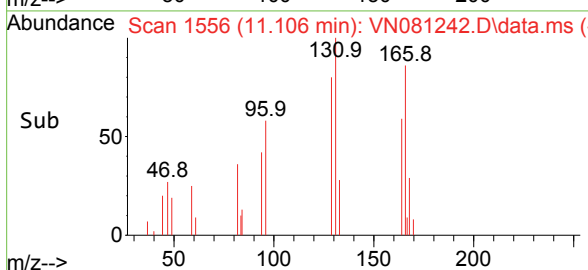
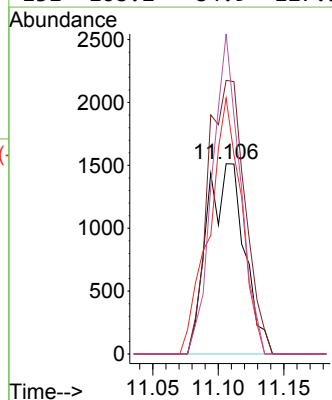
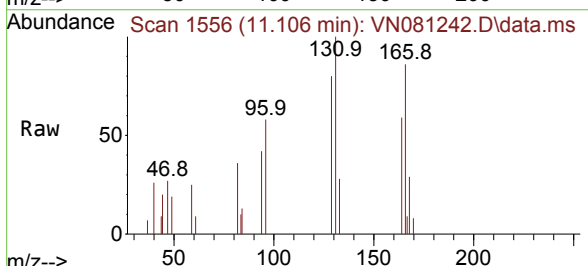
Ion Ratio Lower Upper

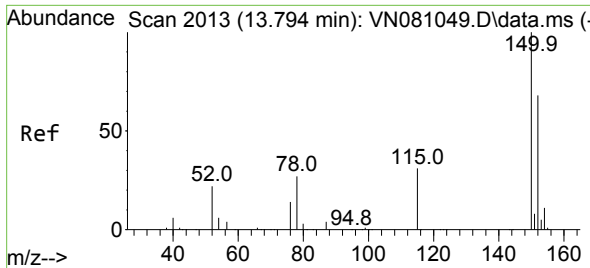
164 100

166 143.8 105.8 158.6

129 134.5 89.6 134.4#

131 168.2 84.9 127.3#

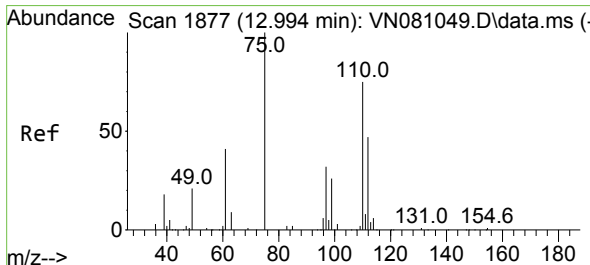
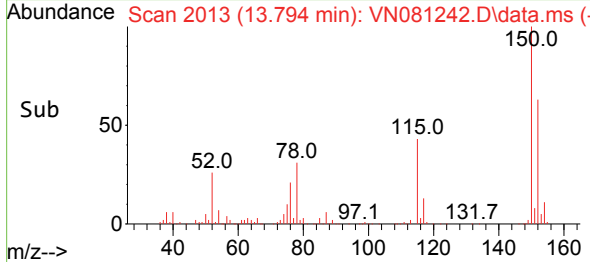
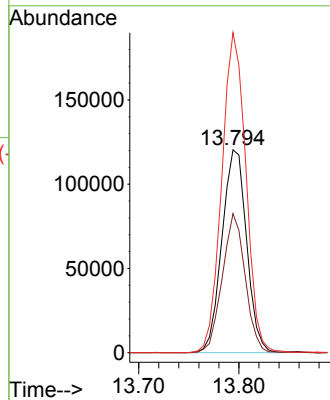
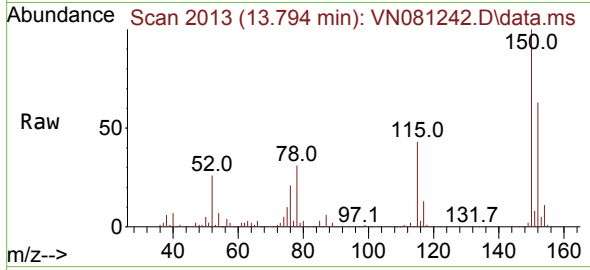




#72
 1,4-Dichlorobenzene-d4
 Concen: 50.000 ug/l
 RT: 13.794 min Scan# 20
 Delta R.T. 0.000 min
 Lab File: VN081242.D
 Acq: 28 Feb 2024 14:53

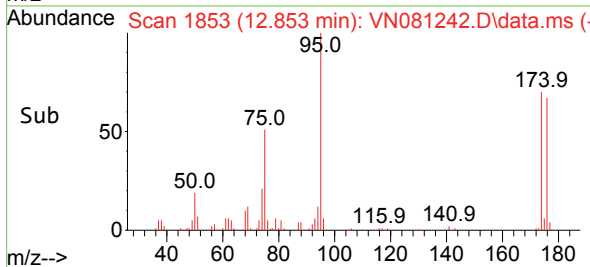
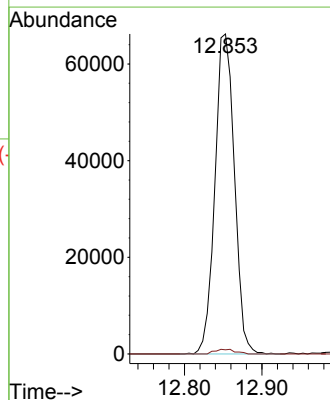
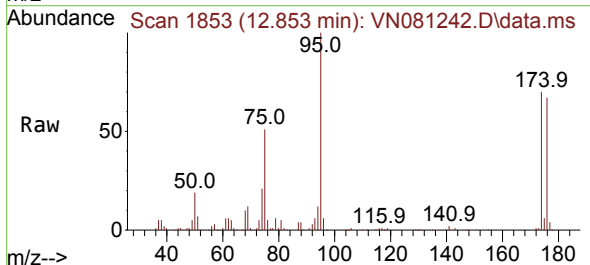
Instrument :
 MSVOA_N
 ClientSampleId :
 TT162S1-20240222

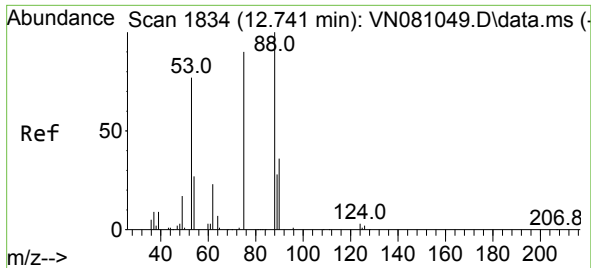
Tgt Ion:152 Resp: 205691
 Ion Ratio Lower Upper
 152 100
 115 63.8 32.3 96.8
 150 154.4 0.0 339.8



#76
 1,2,3-Trichloropropane
 Concen: 24.719 ug/l
 RT: 12.853 min Scan# 1853
 Delta R.T. -0.141 min
 Lab File: VN081242.D
 Acq: 28 Feb 2024 14:53

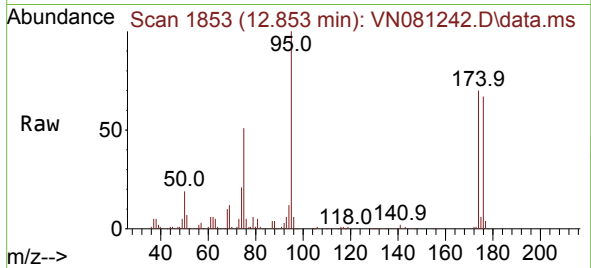
Tgt Ion: 75 Resp: 115522
 Ion Ratio Lower Upper
 75 100
 77 1.5 91.0 272.8#





#81
 trans-1,4-Dichloro-2-butene
 Concen: 63.624 ug/l
 RT: 12.853 min Scan# 11
 Delta R.T. 0.112 min
 Lab File: VN081242.D
 Acq: 28 Feb 2024 14:53

Instrument :
 MSVOA_N
 ClientSampleId :
 TT162S1-20240222



Tgt Ion: 75 Resp: 115522
 Ion Ratio Lower Upper
 75 100
 53 0.0 71.4 107.2#
 89 0.1 33.4 50.0#

