

Data Path : Z:\voasrv\HPCHEM1\MSVOA_N\Data\VN051324\
 Data File : VN082092.D
 Acq On : 13 May 2024 13:34
 Operator : JC\MD
 Sample : P2452-01
 Misc : 5.0mL/MSVOA_N/WATER
 ALS Vial : 7 Sample Multiplier: 1

Instrument :
 MSVOA_N
 ClientSampleId :
 TT-TB-20240509

Quant Time: May 14 03:31:57 2024
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_N\methods\624N042624W.M
 Quant Title : METHOD 624 VOLATILE ORGANIC ANALYSIS
 QLast Update : Sat Apr 27 04:37:27 2024
 Response via : Initial Calibration

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

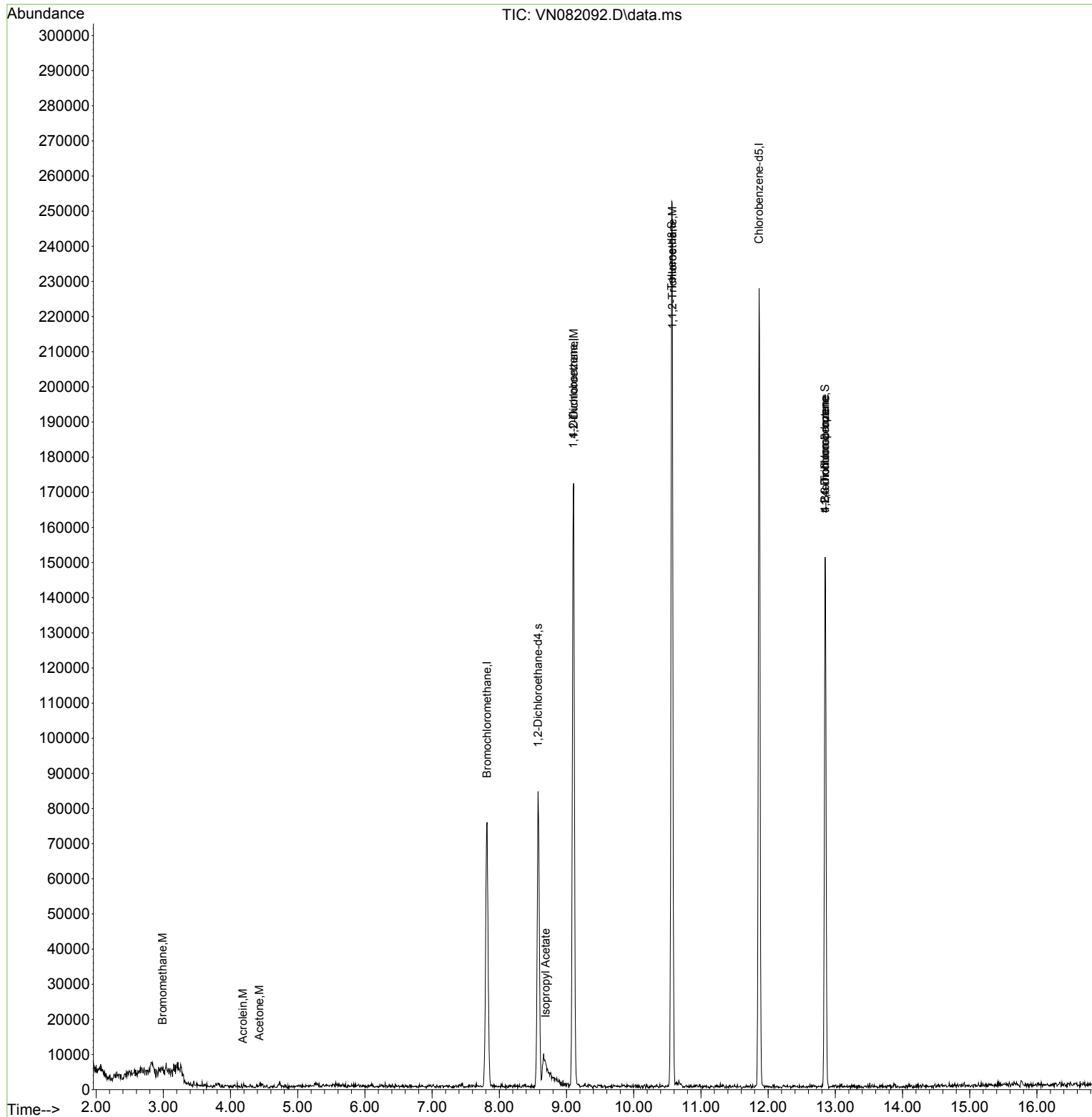
Internal Standards						
1) Bromochloromethane	7.818	128	22867	30.000	ug/l	0.00
28) 1,4-Difluorobenzene	9.100	114	137614	30.000	ug/l	# 0.00
57) Chlorobenzene-d5	11.865	117	114726	30.000	ug/l	0.00
System Monitoring Compounds						
27) 1,2-Dichloroethane-d4	8.577	65	63358	33.093	ug/l	0.00
Spiked Amount	30.000	Range	91 - 110	Recovery	=	110.300%#
60) 4-Bromofluorobenzene	12.847	95	52776	27.642	ug/l	0.00
Spiked Amount	30.000	Range	63 - 112	Recovery	=	92.133%
63) Toluene-d8	10.565	98	169224	31.060	ug/l	0.00
Spiked Amount	30.000	Range	91 - 112	Recovery	=	103.533%
Target Compounds						
					Qvalue	
5) Bromomethane	2.989	94	151	0.203	ug/l	# 4
13) Acrolein	4.183	56	132	0.355	ug/l	# 15
15) Acetone	4.430	58	160	0.895	ug/l	# 1
36) 1,2-Dichloroethane	9.106	62	5548	2.529	ug/l	# 72
44) Isopropyl Acetate	8.688	43	1112	0.272	ug/l	# 43
50) 1,1,2-Trichloroethane	10.577	97	6122	4.188	ug/l	# 1
72) 1,2,3-Trichloropropane	12.847	75	30259	17.062	ug/l	# 1
77) t-1,4-Dichloro-2-butene	12.847	75	30259	38.333	ug/l	# 12

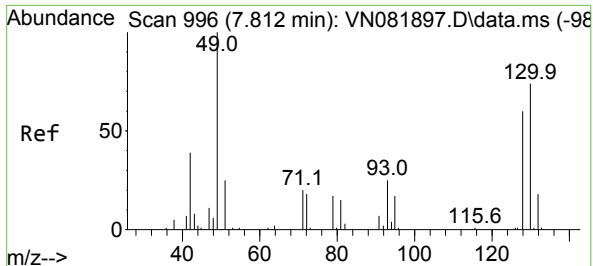
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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QLast Update : Sat Apr 27 04:37:27 2024
Response via : Initial Calibration





#1

Bromochloromethane

Concen: 30.000 ug/l

RT: 7.818 min Scan# 996

Delta R.T. 0.006 min

Lab File: VN082092.D

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Instrument :

MSVOA_N

ClientSampleId :

TT-TB-20240509

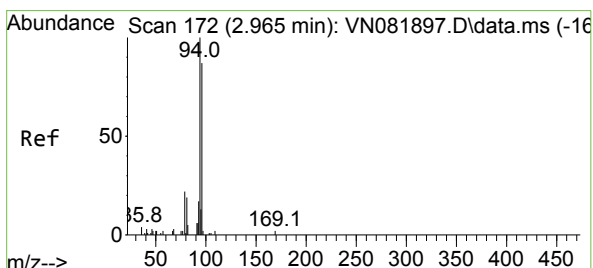
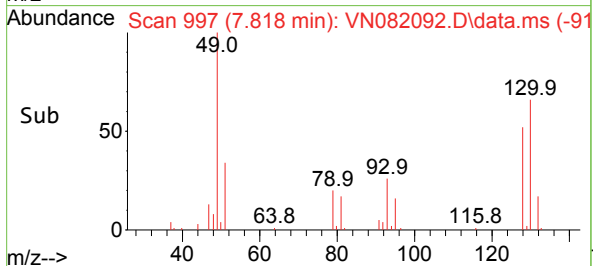
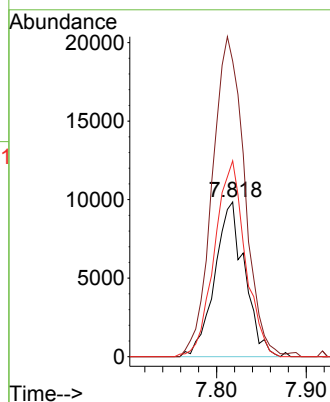
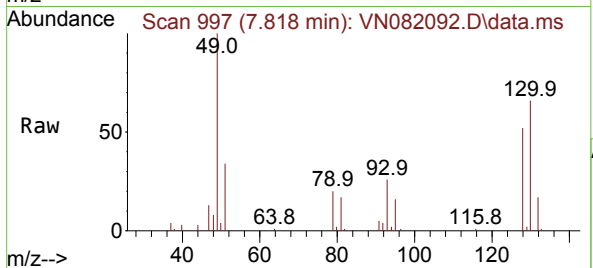
Tgt Ion:128 Resp: 22867

Ion Ratio Lower Upper

128 100

49 222.3 0.0 403.7

130 129.8 0.0 323.3



#5

Bromomethane

Concen: 0.203 ug/l

RT: 2.989 min Scan# 176

Delta R.T. 0.024 min

Lab File: VN082092.D

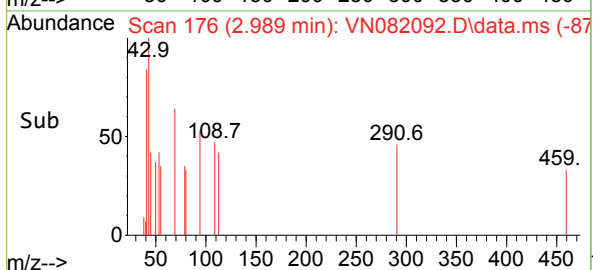
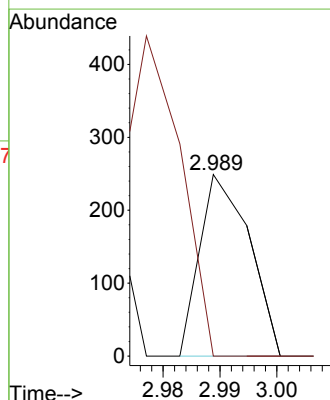
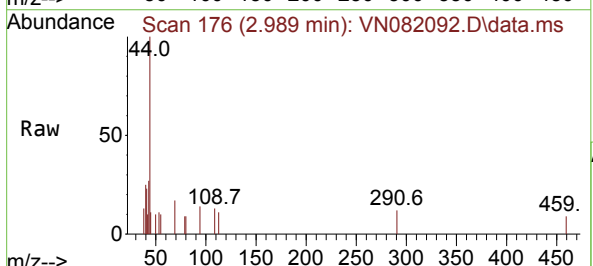
Acq: 13 May 2024 13:34

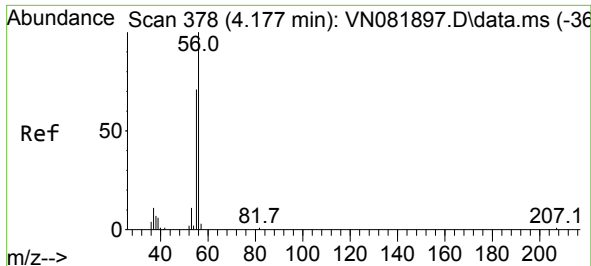
Tgt Ion: 94 Resp: 151

Ion Ratio Lower Upper

94 100

96 0.0 72.8 109.2#

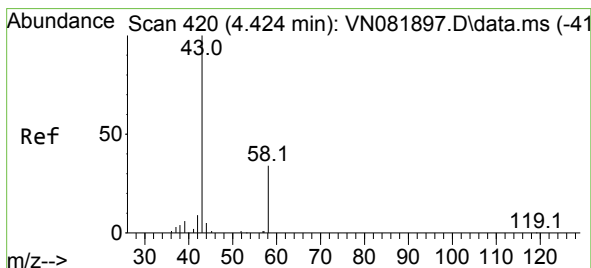
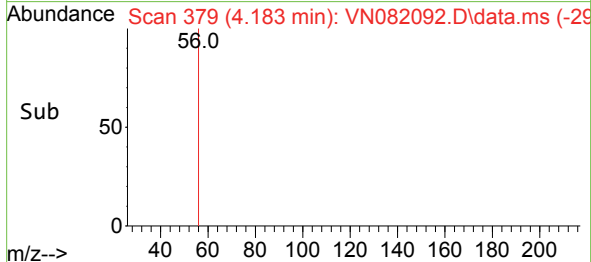
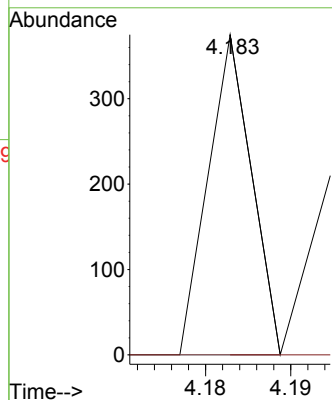
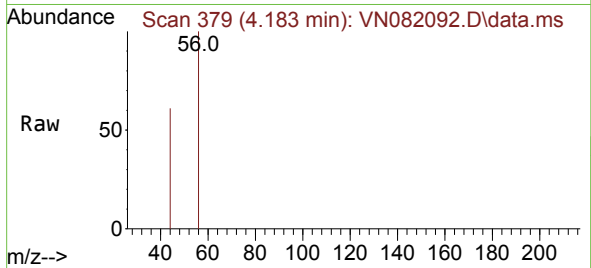




#13
Acrolein
Concen: 0.355 ug/l
RT: 4.183 min Scan# 31
Delta R.T. 0.006 min
Lab File: VN082092.D
Acq: 13 May 2024 13:34

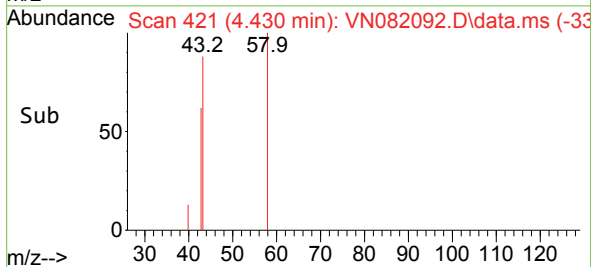
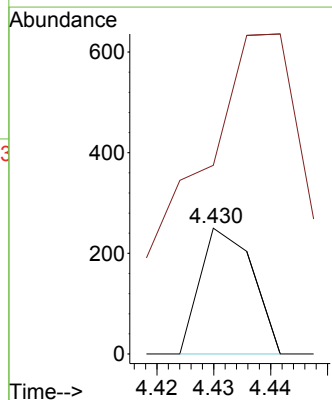
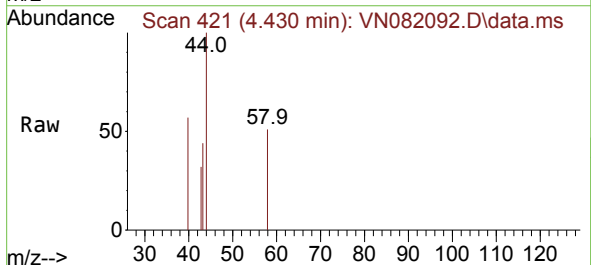
Instrument :
MSVOA_N
ClientSampleId :
TT-TB-20240509

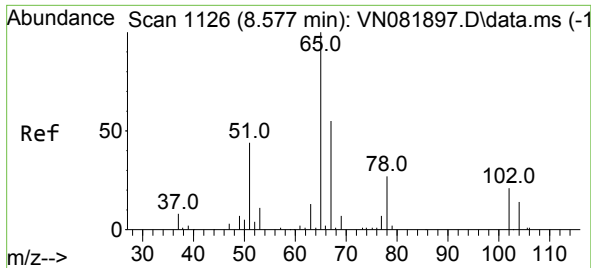
Tgt Ion: 56 Resp: 132
Ion Ratio Lower Upper
56 100
55 0.0 55.5 83.3#



#15
Acetone
Concen: 0.895 ug/l
RT: 4.430 min Scan# 421
Delta R.T. 0.006 min
Lab File: VN082092.D
Acq: 13 May 2024 13:34

Tgt Ion: 58 Resp: 160
Ion Ratio Lower Upper
58 100
43 0.0 223.1 334.7#

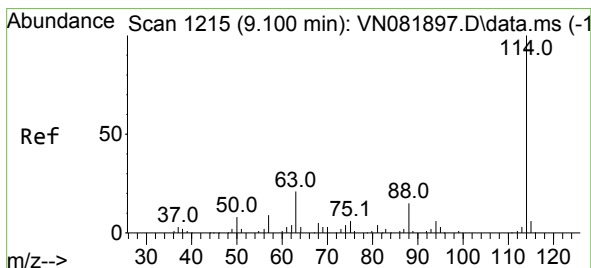
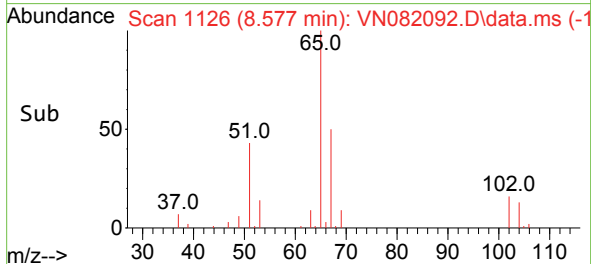
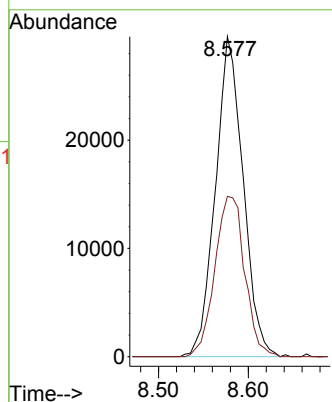
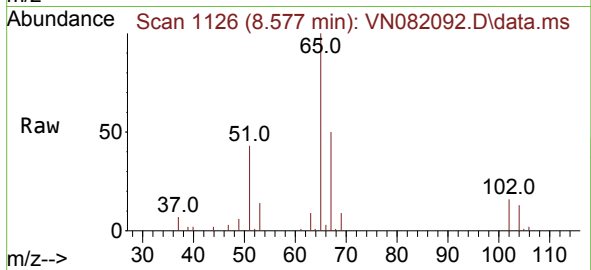




#27
1,2-Dichloroethane-d4
Concen: 33.093 ug/l
RT: 8.577 min Scan# 1126
Delta R.T. -0.000 min
Lab File: VN082092.D
Acq: 13 May 2024 13:34

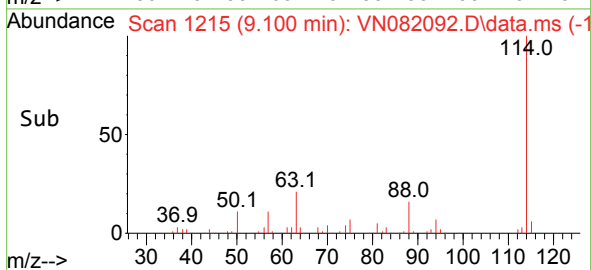
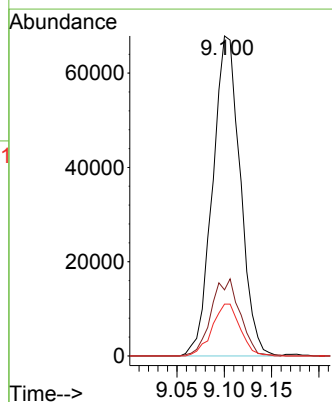
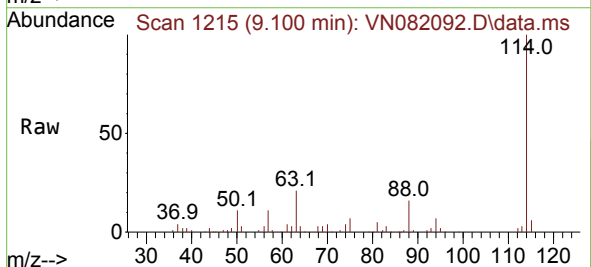
Instrument :
MSVOA_N
ClientSampleId :
TT-TB-20240509

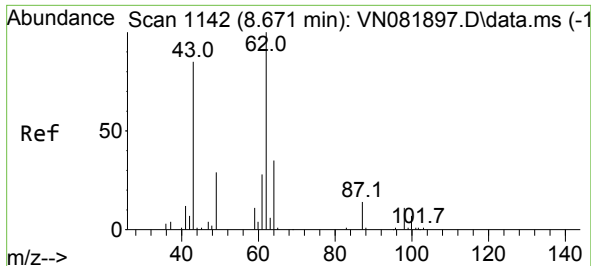
Tgt Ion: 65 Resp: 63358
Ion Ratio Lower Upper
65 100
67 53.9 43.2 64.8



#28
1,4-Difluorobenzene
Concen: 30.000 ug/l
RT: 9.100 min Scan# 1215
Delta R.T. -0.000 min
Lab File: VN082092.D
Acq: 13 May 2024 13:34

Tgt Ion: 114 Resp: 137614
Ion Ratio Lower Upper
114 100
63 25.1 15.9 23.9#
88 16.4 12.7 19.1





#36

1,2-Dichloroethane

Concen: 2.529 ug/l

RT: 9.106 min Scan# 1142

Delta R.T. 0.435 min

Lab File: VN082092.D

Acq: 13 May 2024 13:34

Instrument :

MSVOA_N

ClientSampleId :

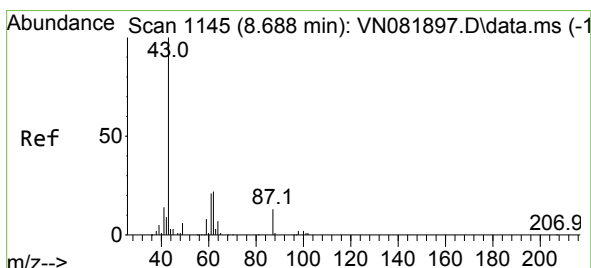
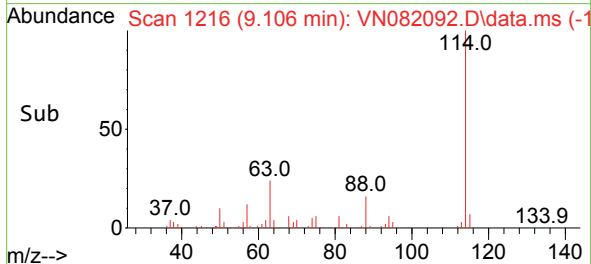
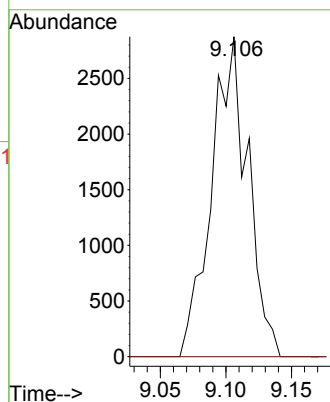
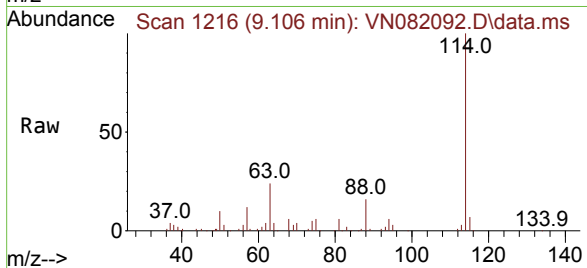
TT-TB-20240509

Tgt Ion: 62 Resp: 5548

Ion Ratio Lower Upper

62 100

98 0.0 8.2 12.4#



#44

Isopropyl Acetate

Concen: 0.272 ug/l

RT: 8.688 min Scan# 1145

Delta R.T. -0.000 min

Lab File: VN082092.D

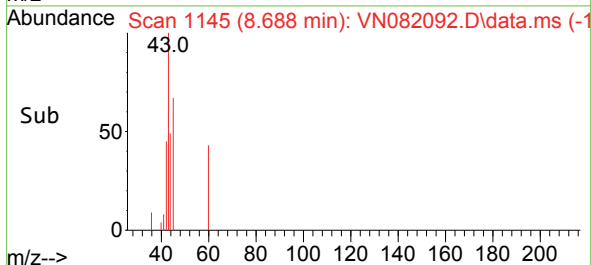
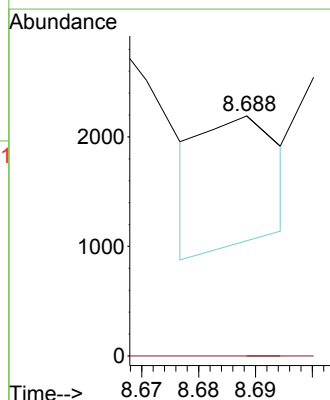
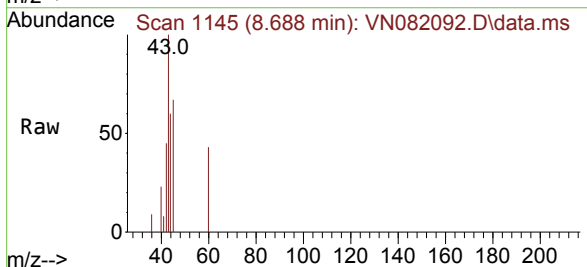
Acq: 13 May 2024 13:34

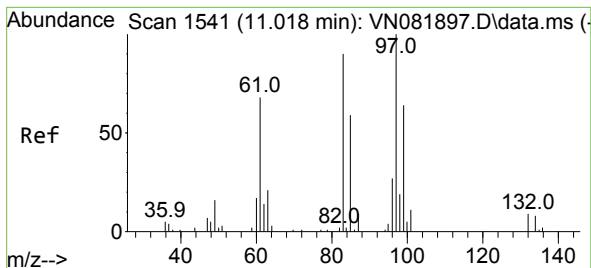
Tgt Ion: 43 Resp: 1112

Ion Ratio Lower Upper

43 100

61 0.0 25.0 37.4#





#50

1,1,2-Trichloroethane

Concen: 4.188 ug/l

RT: 10.577 min Scan# 1466

Delta R.T. -0.441 min

Lab File: VN082092.D

Acq: 13 May 2024 13:34

Instrument :

MSVOA_N

ClientSampleId :

TT-TB-20240509

Tgt Ion: 97 Resp: 6122

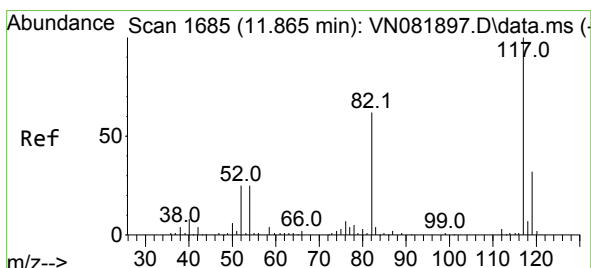
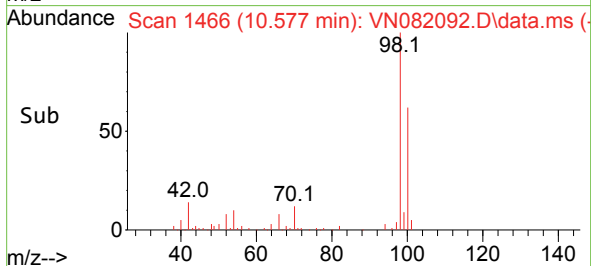
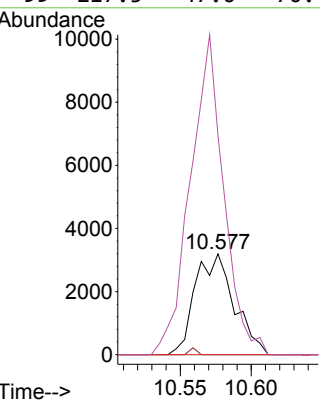
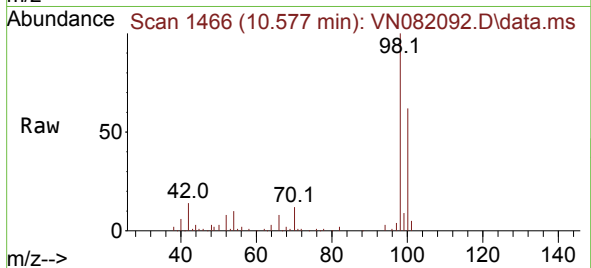
Ion Ratio Lower Upper

97 100

83 0.0 68.1 102.1#

85 0.0 41.8 62.6#

99 217.5 47.0 70.4#



#57

Chlorobenzene-d5

Concen: 30.000 ug/l

RT: 11.865 min Scan# 1685

Delta R.T. -0.000 min

Lab File: VN082092.D

Acq: 13 May 2024 13:34

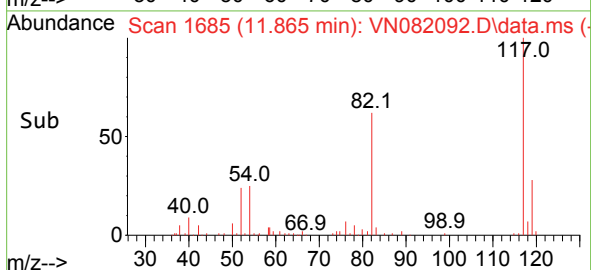
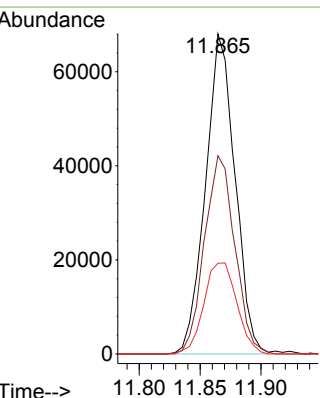
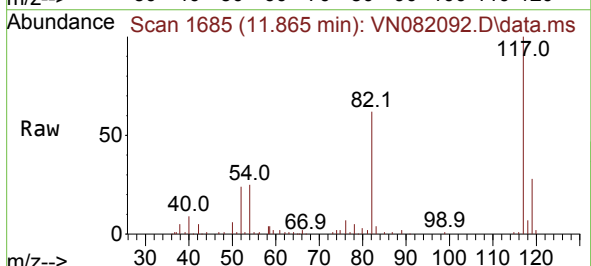
Tgt Ion: 117 Resp: 114726

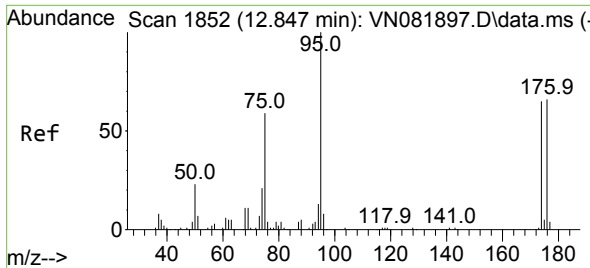
Ion Ratio Lower Upper

117 100

82 63.8 46.6 69.8

119 31.8 25.4 38.2

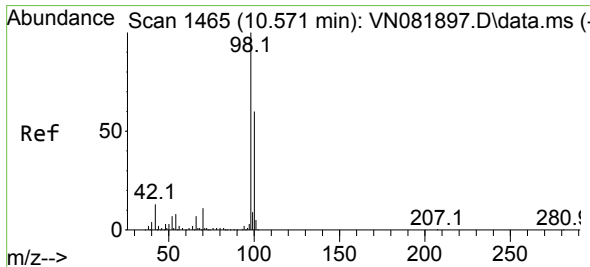
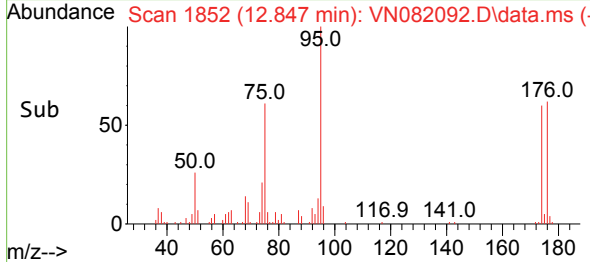
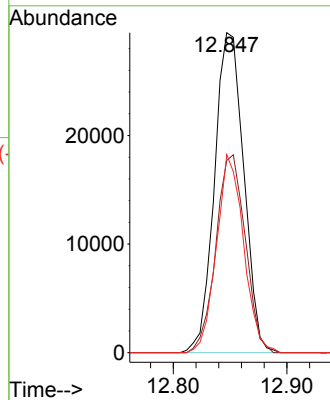
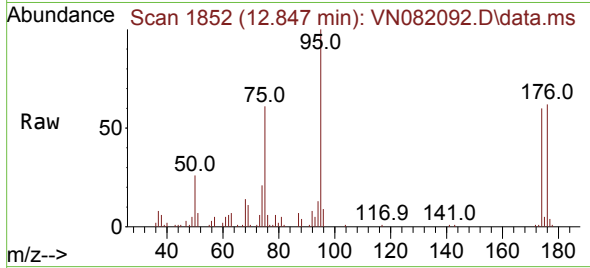




#60
4-Bromofluorobenzene
Concen: 27.642 ug/l
RT: 12.847 min Scan# 1852
Delta R.T. -0.000 min
Lab File: VN082092.D
Acq: 13 May 2024 13:34

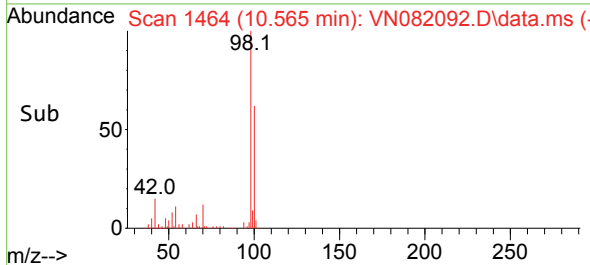
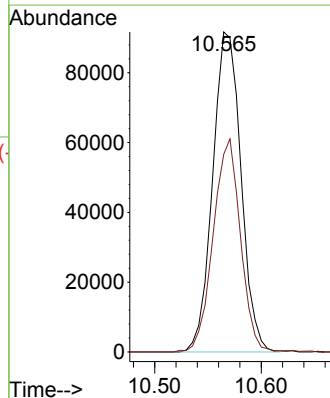
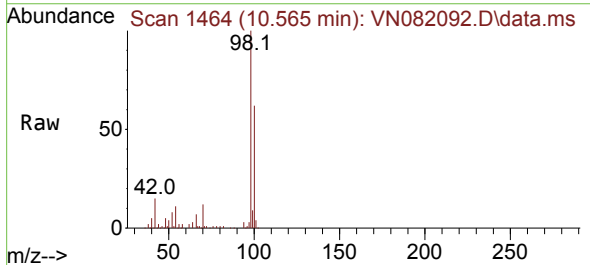
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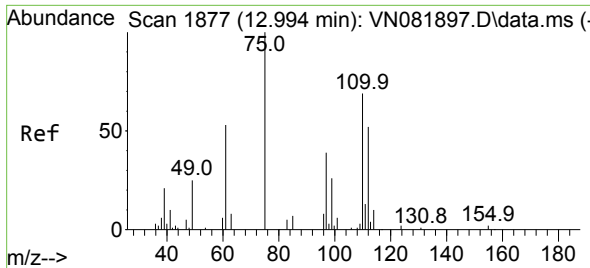
Tgt Ion: 95 Resp: 52776
Ion Ratio Lower Upper
95 100
174 62.0 60.5 90.7
176 57.4 57.8 86.6#



#63
Toluene-d8
Concen: 31.060 ug/l
RT: 10.565 min Scan# 1464
Delta R.T. -0.006 min
Lab File: VN082092.D
Acq: 13 May 2024 13:34

Tgt Ion: 98 Resp: 169224
Ion Ratio Lower Upper
98 100
100 63.9 52.7 79.1

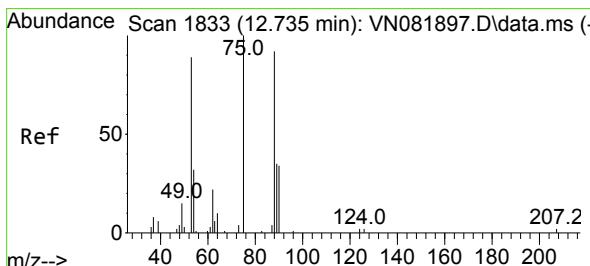
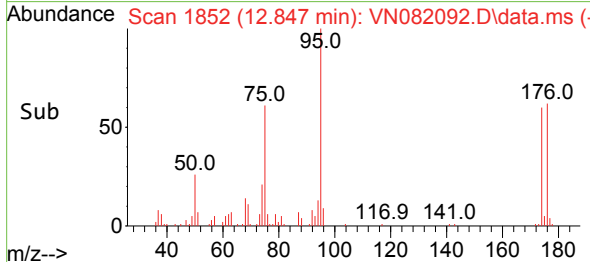
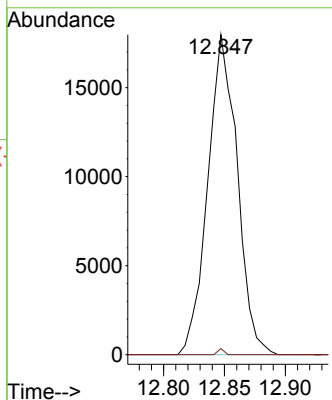
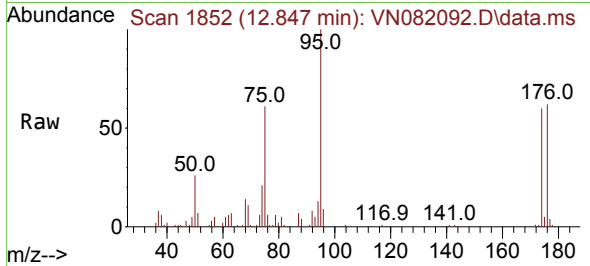




#72
1,2,3-Trichloropropane
Concen: 17.062 ug/l
RT: 12.847 min Scan# 1852
Delta R.T. -0.147 min
Lab File: VN082092.D
Acq: 13 May 2024 13:34

Instrument :
MSVOA_N
ClientSampleId :
TT-TB-20240509

Tgt Ion: 75 Resp: 30259
Ion Ratio Lower Upper
75 100
77 0.0 0.0 367.6



#77
t-1,4-Dichloro-2-butene
Concen: 38.333 ug/l
RT: 12.847 min Scan# 1852
Delta R.T. 0.112 min
Lab File: VN082092.D
Acq: 13 May 2024 13:34

Tgt Ion: 75 Resp: 30259
Ion Ratio Lower Upper
75 100
53 0.0 45.9 137.7#
89 0.0 25.9 77.7#

