

Data Path : Z:\voasrv\HPCHEM1\MSVOA_N\Data\VN022724\
 Data File : VN081214.D
 Acq On : 27 Feb 2024 13:10
 Operator : JC\MD
 Sample : P1577-08
 Misc : 5.0mL/MSVOA_N/WATER
 ALS Vial : 8 Sample Multiplier: 1

Instrument :
 MSVOA_N
 ClientSampleId :
 TB05-20240221

Quant Time: Feb 28 04:16:16 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)

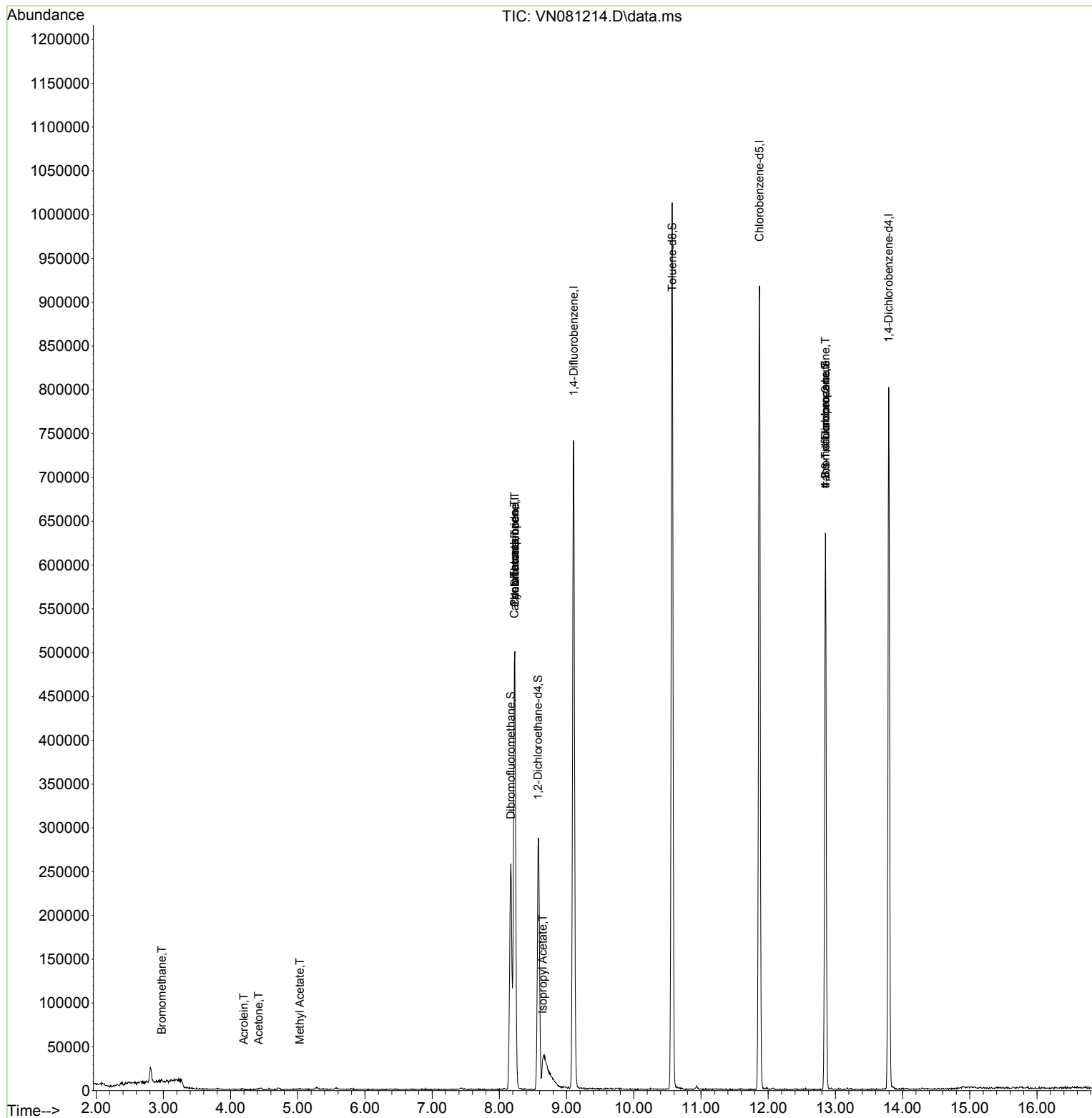
Internal Standards						
1) Pentafluorobenzene	8.229	168	336962	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	9.106	114	631877	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.870	117	525377	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.794	152	200704	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.577	65	232634	56.325	ug/l	0.00
Spiked Amount	50.000	Range	74 - 125	Recovery	= 112.640%	
35) Dibromofluoromethane	8.171	113	185100	51.804	ug/l	0.00
Spiked Amount	50.000	Range	75 - 124	Recovery	= 103.600%	
50) Toluene-d8	10.571	98	684148	53.910	ug/l	0.00
Spiked Amount	50.000	Range	86 - 113	Recovery	= 107.820%	
62) 4-Bromofluorobenzene	12.853	95	214680	45.020	ug/l	0.00
Spiked Amount	50.000	Range	83 - 123	Recovery	= 90.040%	
Target Compounds						
					Qvalue	
3) Chloromethane	2.359	50	1660	Below Cal		94
5) Bromomethane	2.977	94	1365	0.397 ug/l		98
6) Chloroethane	3.106	64	366	Below Cal	#	42
13) Acrolein	4.200	56	618	1.518 ug/l	#	15
16) Acetone	4.418	43	732	0.450 ug/l	#	44
18) Methyl Acetate	5.030	43	1133	0.286 ug/l	#	66
20) Methylene Chloride	5.300	84	710	Below Cal	#	37
31) Cyclohexane	8.229	56	9297	1.304 ug/l	#	1
36) 1,1-Dichloropropene	8.229	75	32116	5.246 ug/l	#	51
38) Carbon Tetrachloride	8.224	117	39216	6.332 ug/l	#	19
43) Isopropyl Acetate	8.647	43	28275	2.926 ug/l	#	59
76) 1,2,3-Trichloropropane	12.853	75	116482	25.544 ug/l	#	1
81) trans-1,4-Dichloro-2-b...	12.853	75	116482	65.747 ug/l	#	14

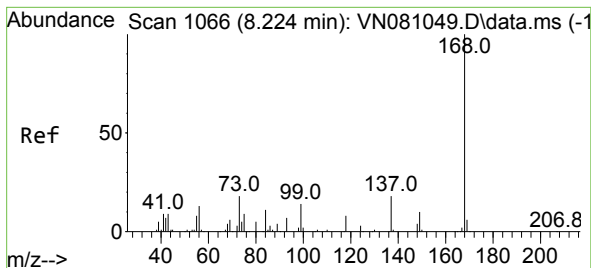
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 8.229 min Scan# 1

Delta R.T. 0.005 min

Lab File: VN081214.D

Acq: 27 Feb 2024 13:10

Instrument :

MSVOA_N

ClientSampleId :

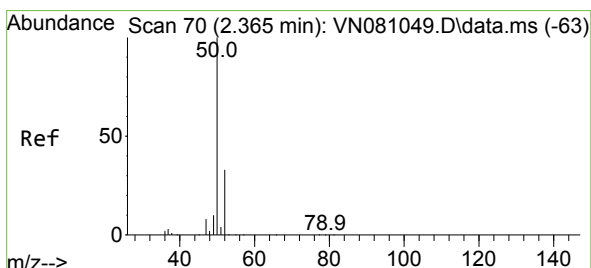
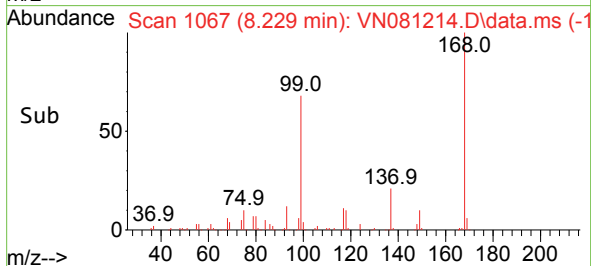
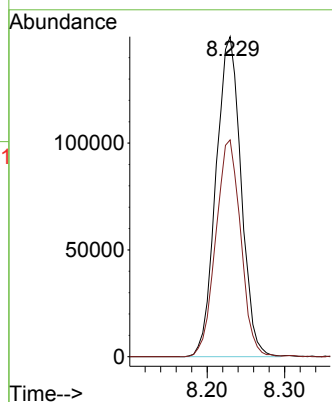
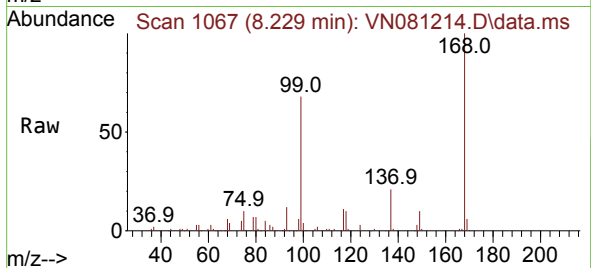
TB05-20240221

Tgt Ion:168 Resp: 336962

Ion Ratio Lower Upper

168 100

99 67.7 59.9 89.9



#3

Chloromethane

Concen: Below Cal

RT: 2.359 min Scan# 69

Delta R.T. -0.006 min

Lab File: VN081214.D

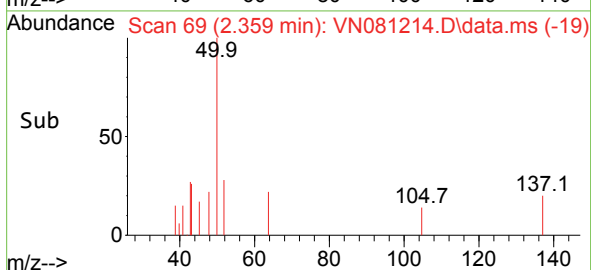
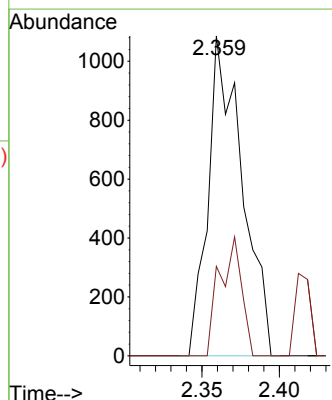
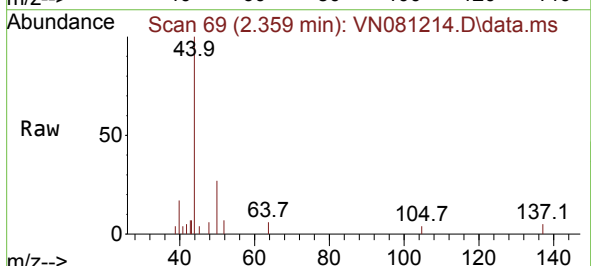
Acq: 27 Feb 2024 13:10

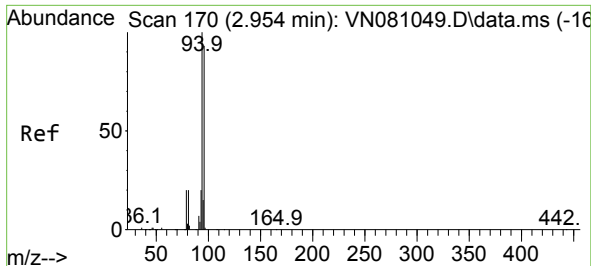
Tgt Ion: 50 Resp: 1660

Ion Ratio Lower Upper

50 100

52 28.0 25.0 37.4

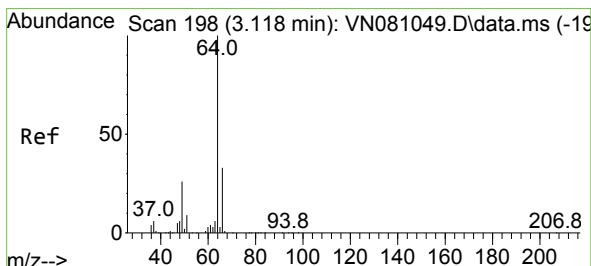
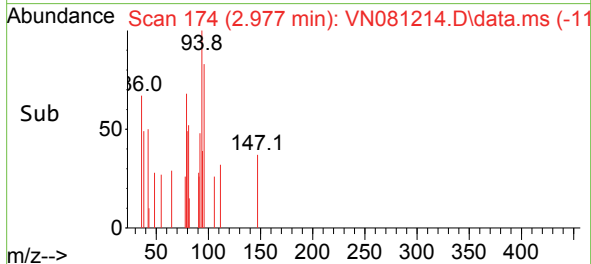
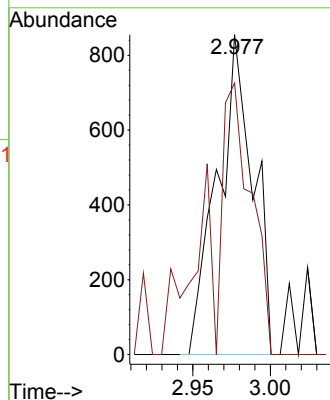
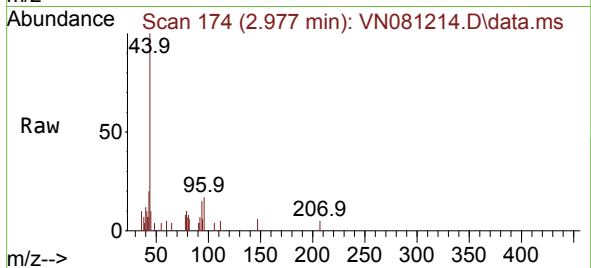




#5
Bromomethane
Concen: 0.397 ug/l
RT: 2.977 min Scan# 11
Delta R.T. 0.023 min
Lab File: VN081214.D
Acq: 27 Feb 2024 13:10

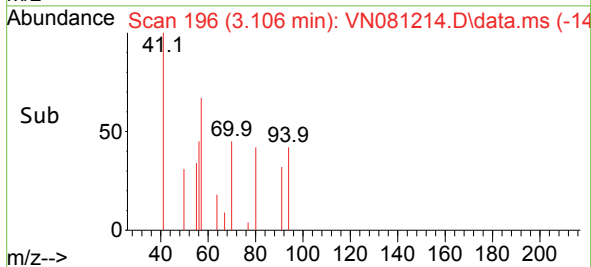
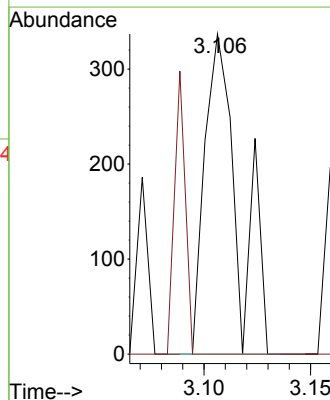
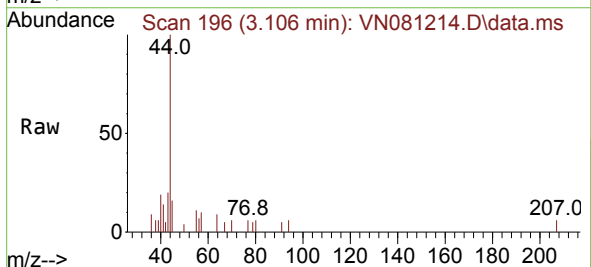
Instrument :
MSVOA_N
ClientSampleId :
TB05-20240221

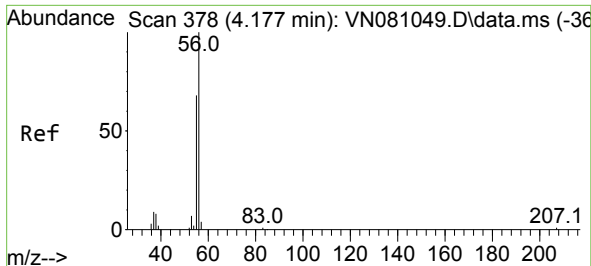
Tgt Ion: 94 Resp: 1365
Ion Ratio Lower Upper
94 100
96 84.9 69.2 103.8



#6
Chloroethane
Concen: Below Cal
RT: 3.106 min Scan# 196
Delta R.T. -0.012 min
Lab File: VN081214.D
Acq: 27 Feb 2024 13:10

Tgt Ion: 64 Resp: 366
Ion Ratio Lower Upper
64 100
66 0.0 26.4 39.6#

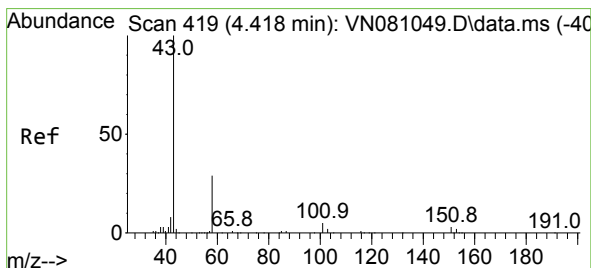
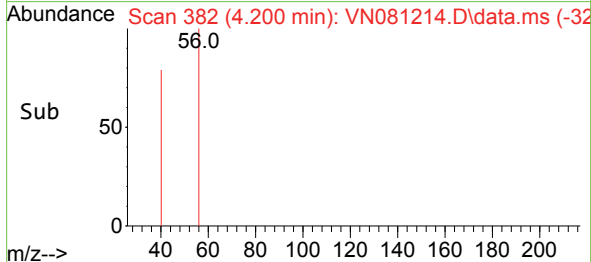
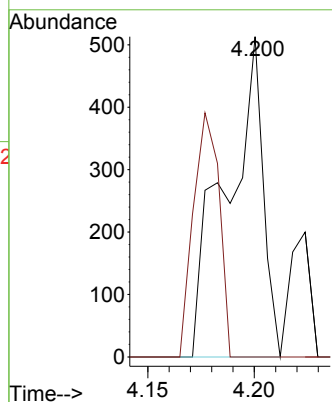
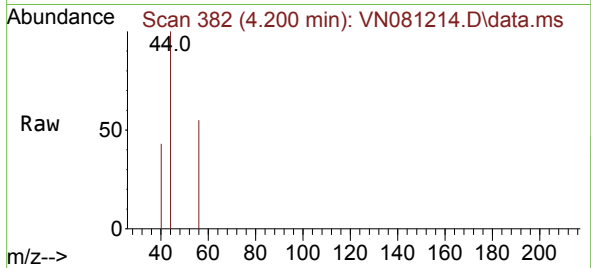




#13
Acrolein
Concen: 1.518 ug/l
RT: 4.200 min Scan# 313
Delta R.T. 0.023 min
Lab File: VN081214.D
Acq: 27 Feb 2024 13:10

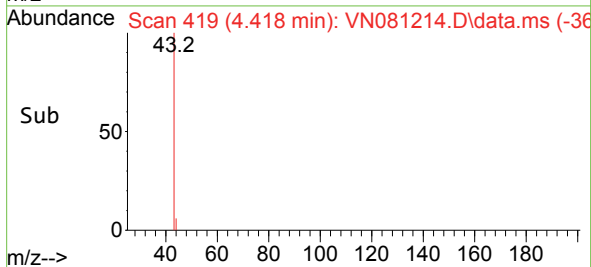
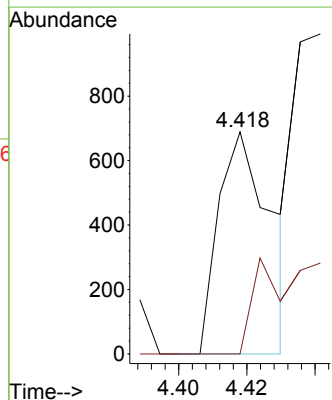
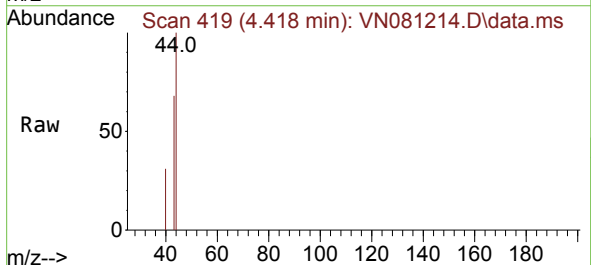
Instrument :
MSVOA_N
ClientSampleId :
TB05-20240221

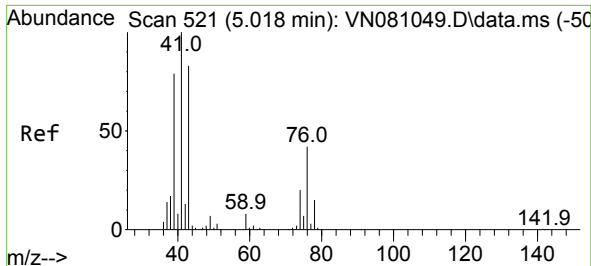
Tgt Ion: 56 Resp: 618
Ion Ratio Lower Upper
56 100
55 0.0 55.3 82.9#



#16
Acetone
Concen: 0.450 ug/l
RT: 4.418 min Scan# 419
Delta R.T. -0.000 min
Lab File: VN081214.D
Acq: 27 Feb 2024 13:10

Tgt Ion: 43 Resp: 732
Ion Ratio Lower Upper
43 100
58 0.0 24.8 37.2#

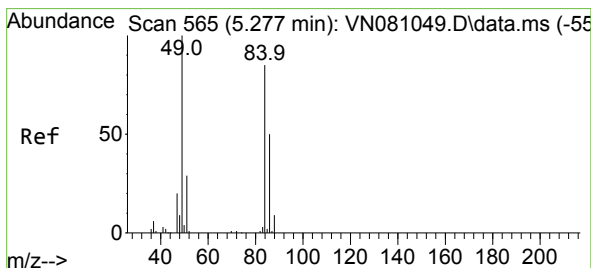
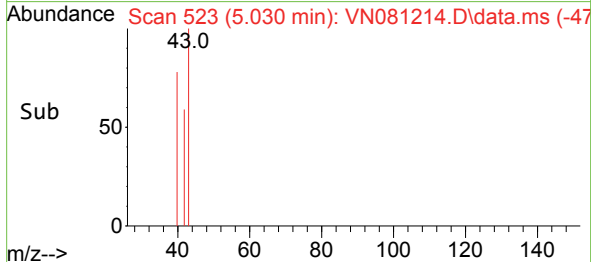
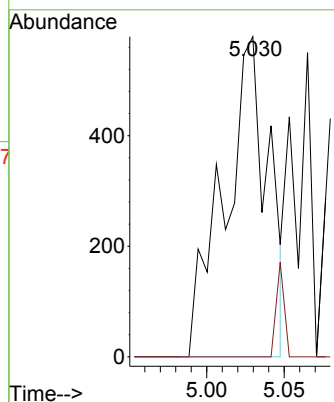
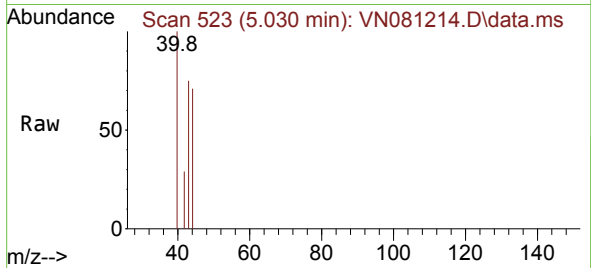




#18
Methyl Acetate
Concen: 0.286 ug/l
RT: 5.030 min Scan# 51
Delta R.T. 0.012 min
Lab File: VN081214.D
Acq: 27 Feb 2024 13:10

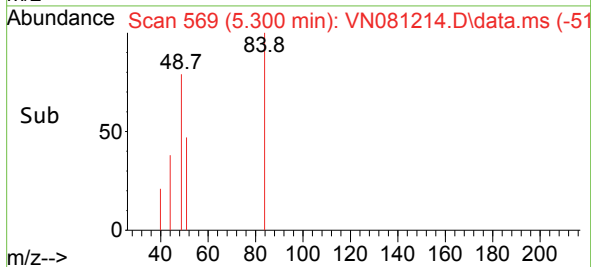
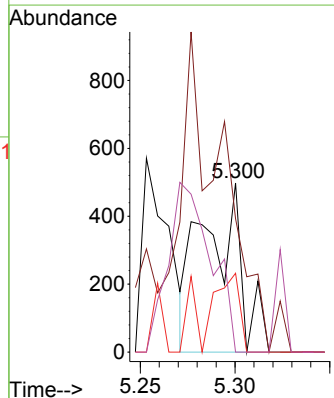
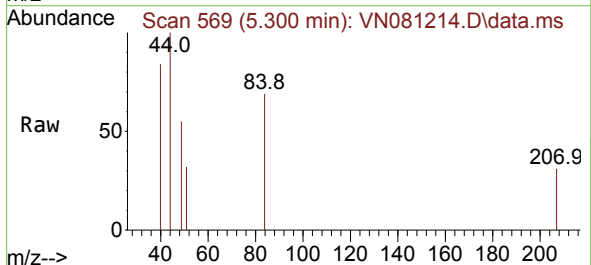
Instrument :
MSVOA_N
ClientSampleId :
TB05-20240221

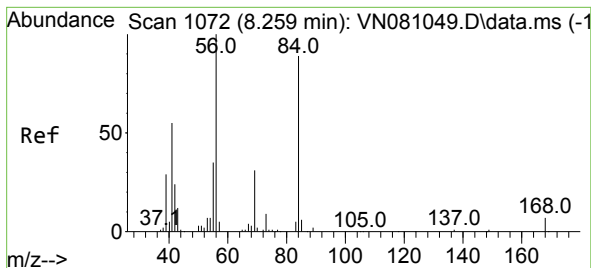
Tgt Ion: 43 Resp: 1133
Ion Ratio Lower Upper
43 100
74 5.3 17.3 25.9#



#20
Methylene Chloride
Concen: Below Cal
RT: 5.300 min Scan# 569
Delta R.T. 0.023 min
Lab File: VN081214.D
Acq: 27 Feb 2024 13:10

Tgt Ion: 84 Resp: 710
Ion Ratio Lower Upper
84 100
49 48.8 108.1 162.1#
51 46.6 32.9 49.3
86 0.0 48.6 73.0#





#31

Cyclohexane

Concen: 1.304 ug/l

RT: 8.229 min Scan# 1067

Delta R.T. -0.030 min

Lab File: VN081214.D

Acq: 27 Feb 2024 13:10

Instrument :

MSVOA_N

ClientSampleId :

TB05-20240221

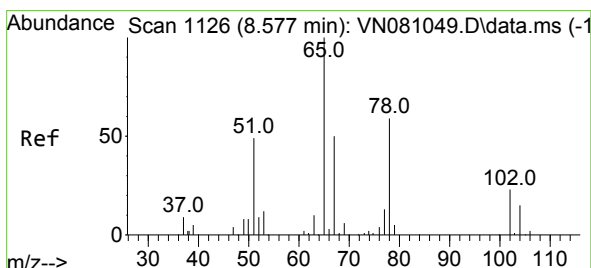
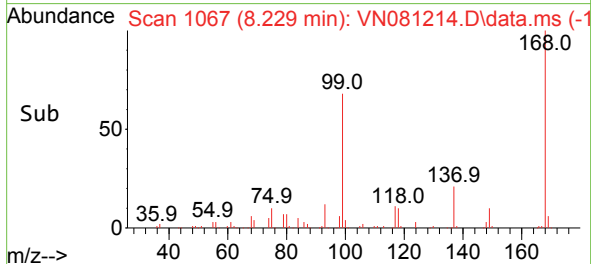
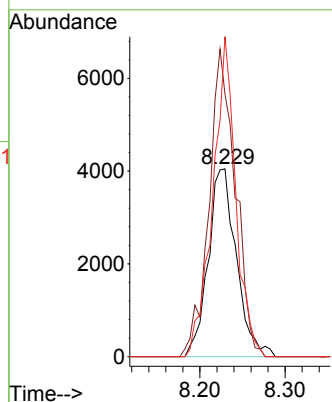
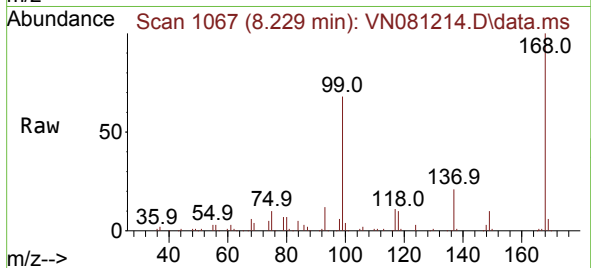
Tgt Ion: 56 Resp: 9297

Ion Ratio Lower Upper

56 100

69 139.7 20.1 30.1#

84 170.3 56.9 85.3#



#33

1,2-Dichloroethane-d4

Concen: 56.325 ug/l

RT: 8.577 min Scan# 1126

Delta R.T. -0.000 min

Lab File: VN081214.D

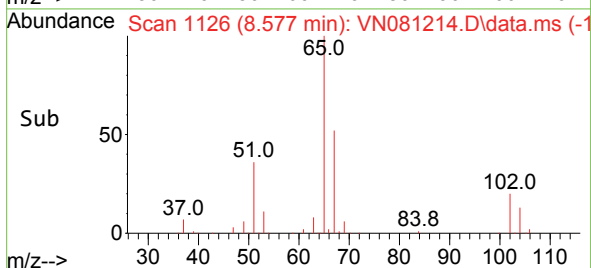
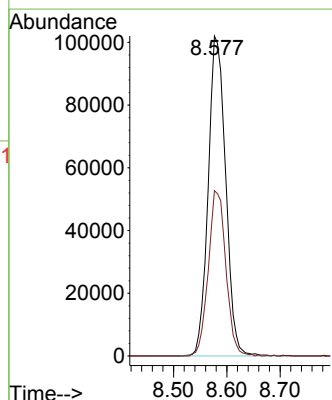
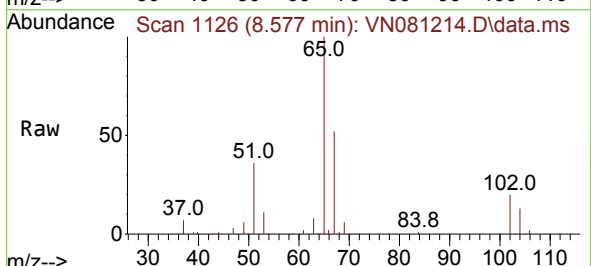
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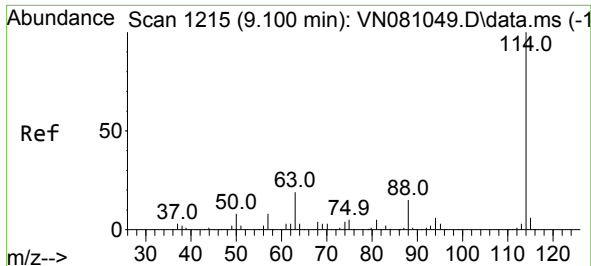
Tgt Ion: 65 Resp: 232634

Ion Ratio Lower Upper

65 100

67 52.0 0.0 102.4

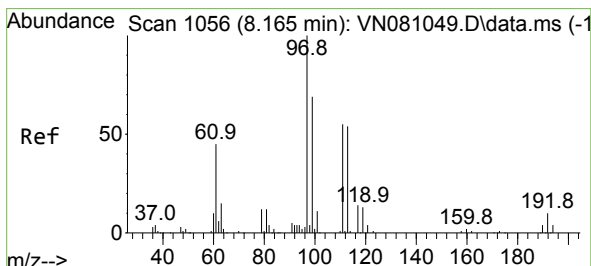
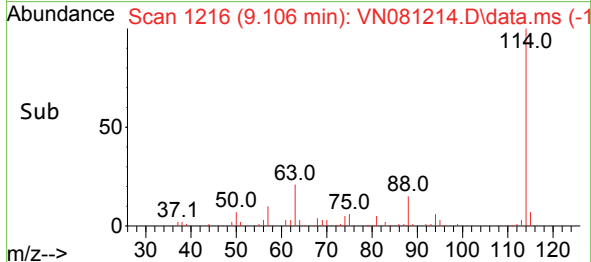
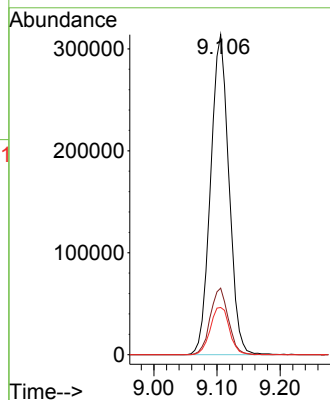
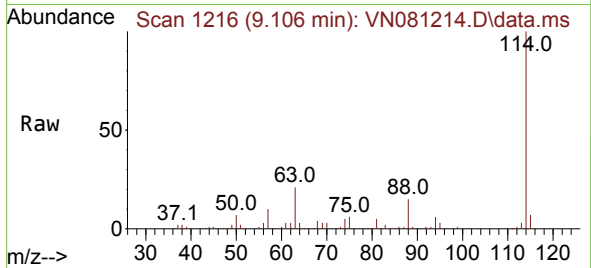




#34
1,4-Difluorobenzene
Concen: 50.000 ug/l
RT: 9.106 min Scan# 11
Delta R.T. 0.006 min
Lab File: VN081214.D
Acq: 27 Feb 2024 13:10

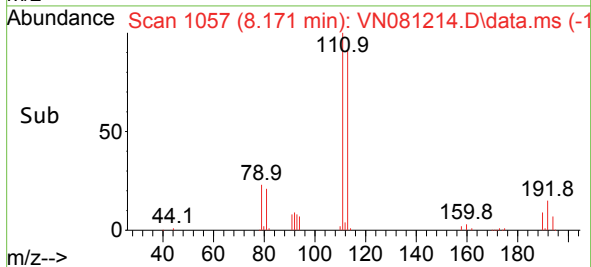
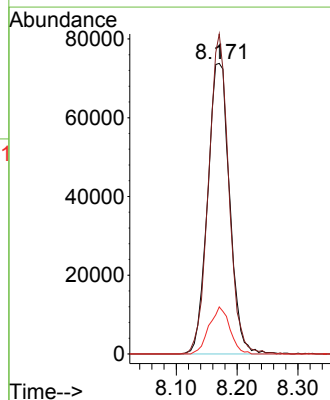
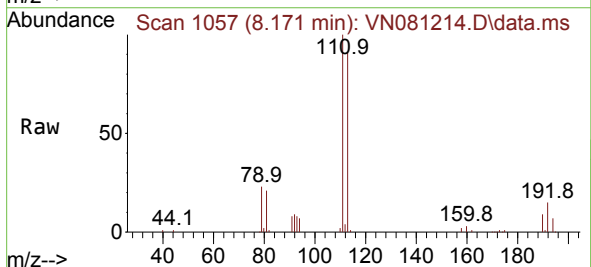
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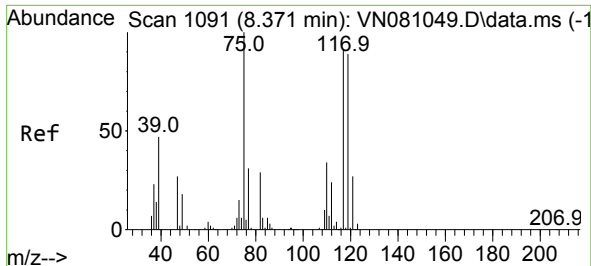
Tgt Ion:114 Resp: 631877
Ion Ratio Lower Upper
114 100
63 20.8 0.0 48.0
88 14.8 0.0 34.8



#35
Dibromofluoromethane
Concen: 51.804 ug/l
RT: 8.171 min Scan# 1057
Delta R.T. 0.006 min
Lab File: VN081214.D
Acq: 27 Feb 2024 13:10

Tgt Ion:113 Resp: 185100
Ion Ratio Lower Upper
113 100
111 101.3 82.2 123.4
192 15.2 12.5 18.7





#36

1,1-Dichloropropene

Concen: 5.246 ug/l

RT: 8.229 min Scan# 1067

Delta R.T. -0.141 min

Lab File: VN081214.D

Acq: 27 Feb 2024 13:10

Instrument :

MSVOA_N

ClientSampleId :

TB05-20240221

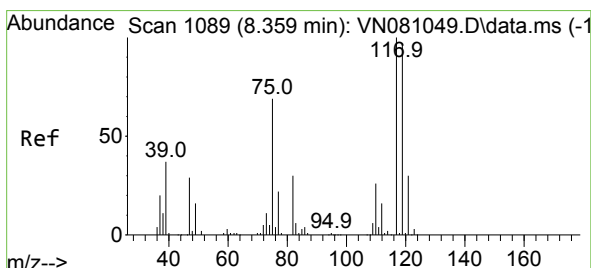
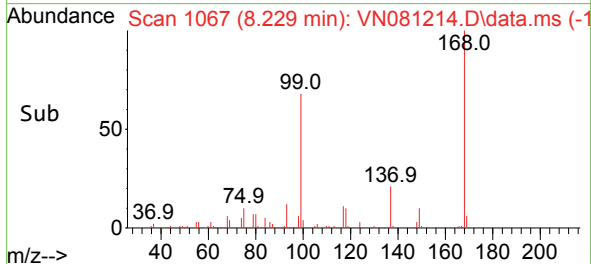
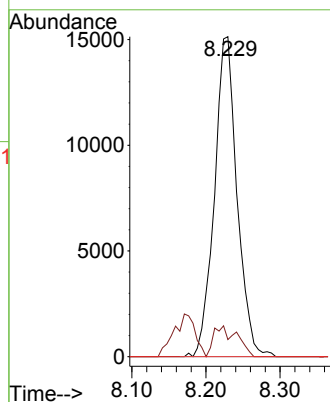
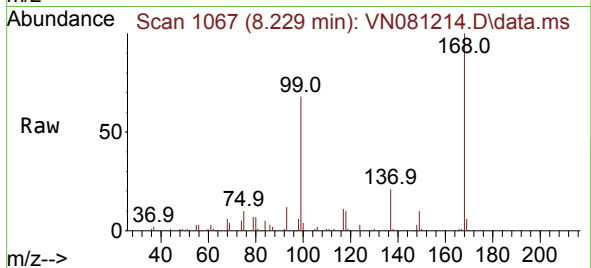
Tgt Ion: 75 Resp: 32116

Ion Ratio Lower Upper

75 100

110 9.9 16.0 48.0#

77 0.0 25.8 38.6#



#38

Carbon Tetrachloride

Concen: 6.332 ug/l

RT: 8.224 min Scan# 1066

Delta R.T. -0.135 min

Lab File: VN081214.D

Acq: 27 Feb 2024 13:10

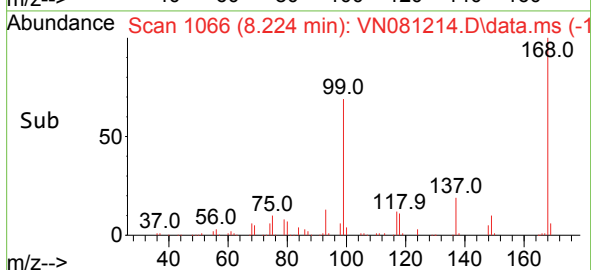
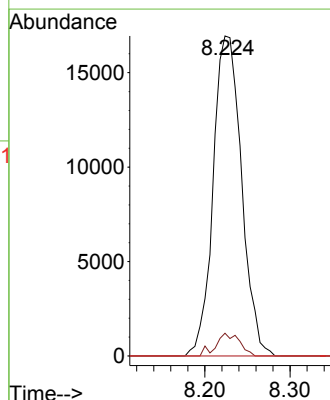
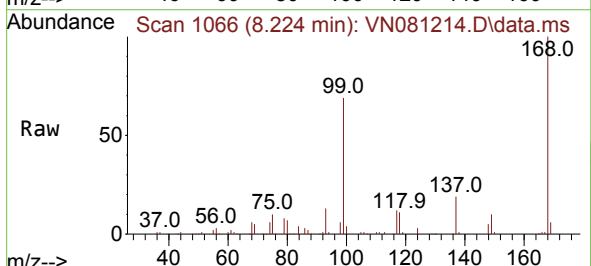
Tgt Ion: 117 Resp: 39216

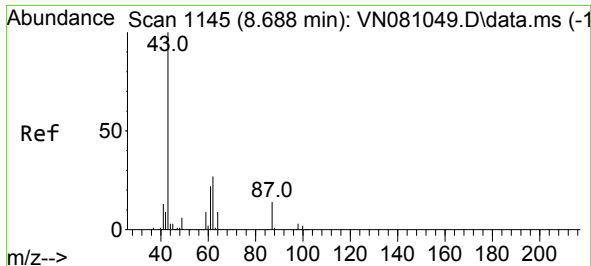
Ion Ratio Lower Upper

117 100

119 7.1 73.4 110.2#

121 0.0 24.4 36.6#

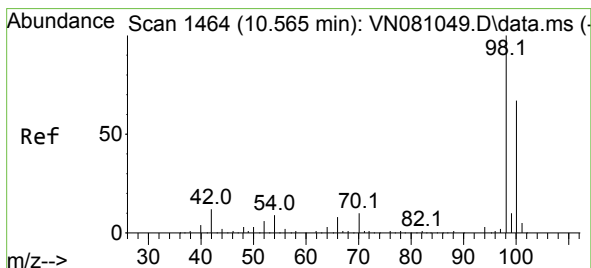
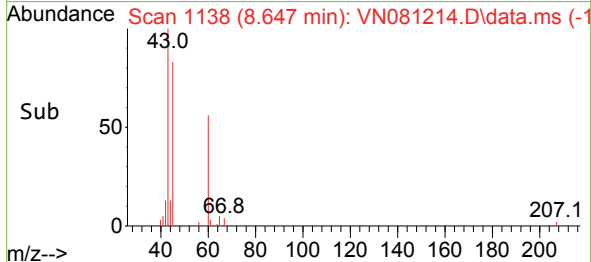
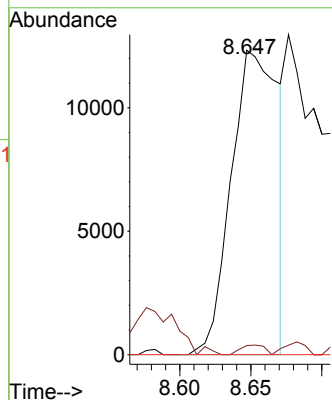
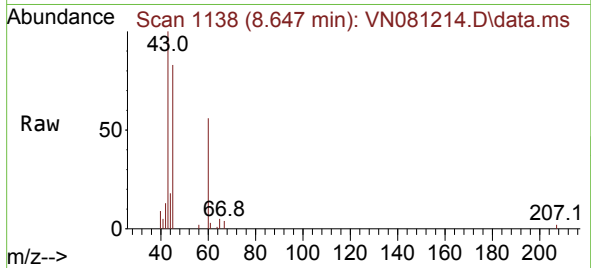




#43
Isopropyl Acetate
Concen: 2.926 ug/l
RT: 8.647 min Scan# 1138
Delta R.T. -0.041 min
Lab File: VN081214.D
Acq: 27 Feb 2024 13:10

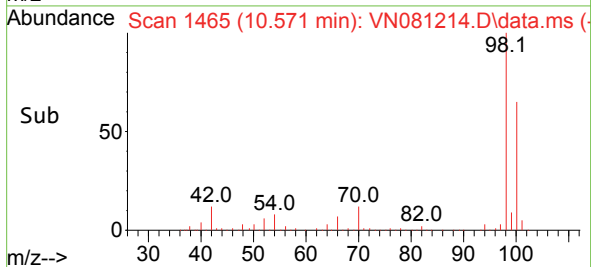
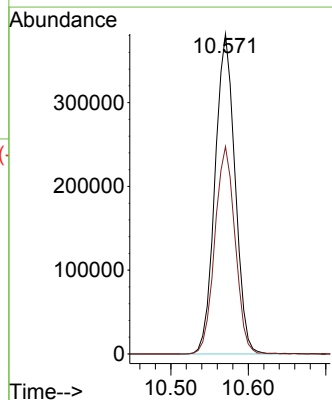
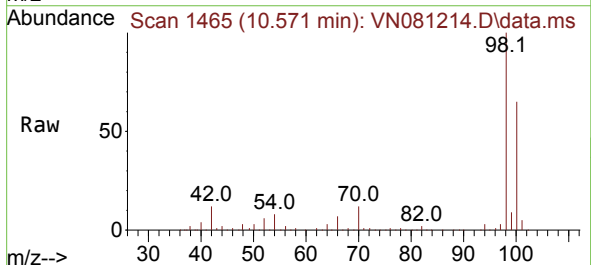
Instrument :
MSVOA_N
ClientSampleId :
TB05-20240221

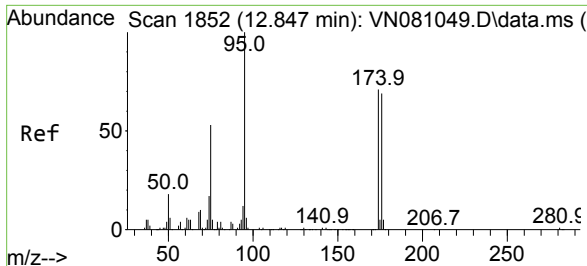
Tgt Ion: 43 Resp: 28275
Ion Ratio Lower Upper
43 100
61 1.6 19.9 29.9#
87 0.0 9.0 13.6#



#50
Toluene-d8
Concen: 53.910 ug/l
RT: 10.571 min Scan# 1465
Delta R.T. 0.006 min
Lab File: VN081214.D
Acq: 27 Feb 2024 13:10

Tgt Ion: 98 Resp: 684148
Ion Ratio Lower Upper
98 100
100 65.7 51.4 77.0

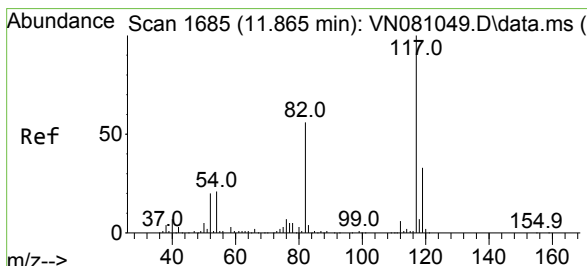
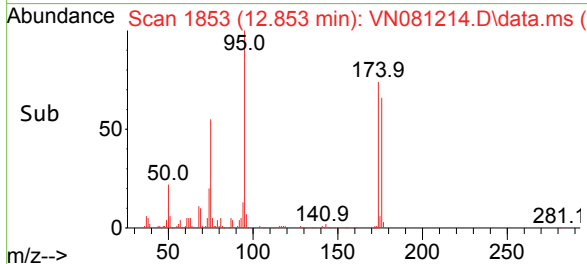
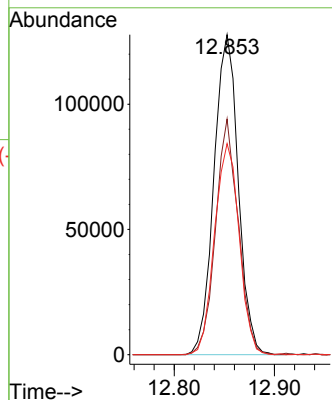
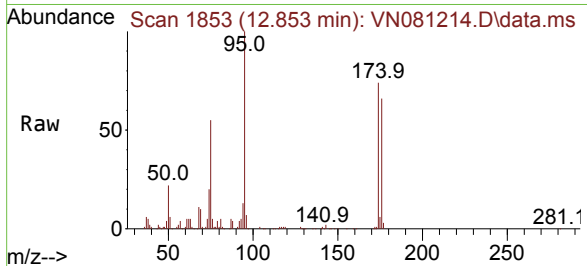




#62
4-Bromofluorobenzene
Concen: 45.020 ug/l
RT: 12.853 min Scan# 1853
Delta R.T. 0.006 min
Lab File: VN081214.D
Acq: 27 Feb 2024 13:10

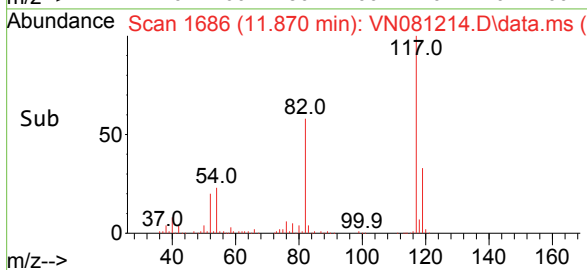
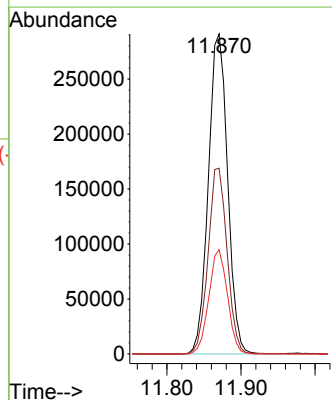
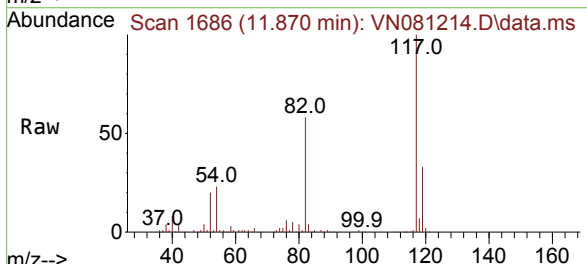
Instrument :
MSVOA_N
ClientSampleId :
TB05-20240221

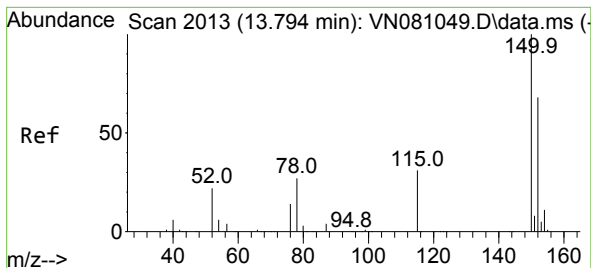
Tgt Ion: 95 Resp: 214680
Ion Ratio Lower Upper
95 100
174 69.1 0.0 120.4
176 66.8 0.0 121.0



#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.870 min Scan# 1686
Delta R.T. 0.006 min
Lab File: VN081214.D
Acq: 27 Feb 2024 13:10

Tgt Ion: 117 Resp: 525377
Ion Ratio Lower Upper
117 100
82 58.0 52.7 79.1
119 32.6 25.3 37.9





#72

1,4-Dichlorobenzene-d4

Concen: 50.000 ug/l

RT: 13.794 min Scan# 20

Delta R.T. -0.000 min

Lab File: VN081214.D

Acq: 27 Feb 2024 13:10

Instrument :

MSVOA_N

ClientSampleId :

TB05-20240221

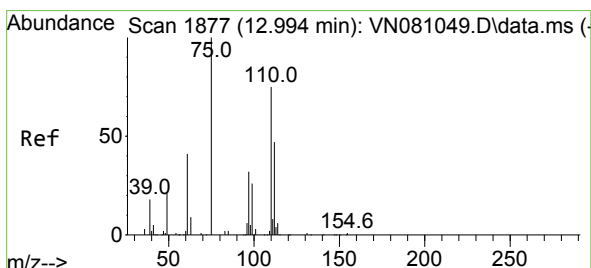
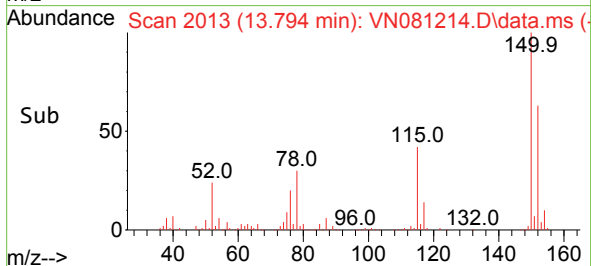
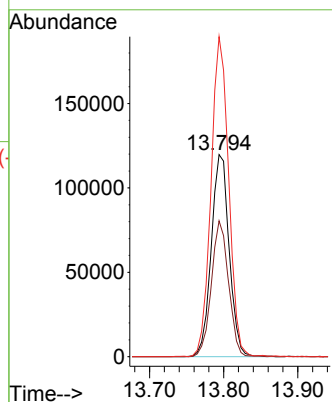
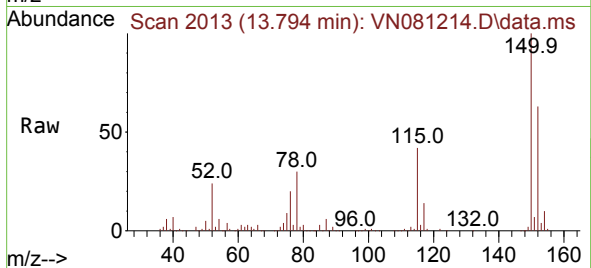
Tgt Ion:152 Resp: 200704

Ion Ratio Lower Upper

152 100

115 64.4 32.3 96.8

150 156.2 0.0 339.8



#76

1,2,3-Trichloropropane

Concen: 25.544 ug/l

RT: 12.853 min Scan# 1853

Delta R.T. -0.141 min

Lab File: VN081214.D

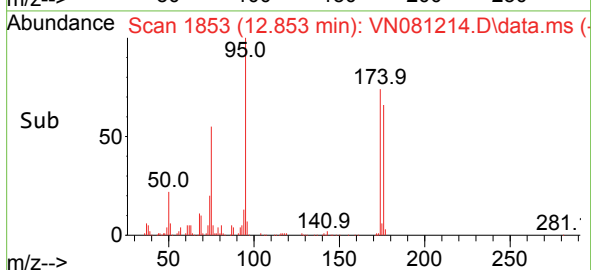
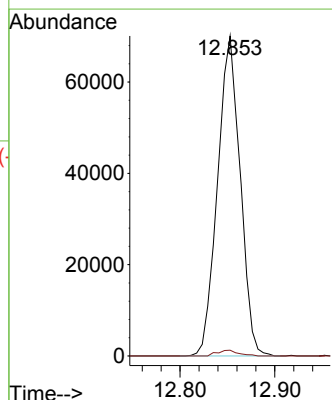
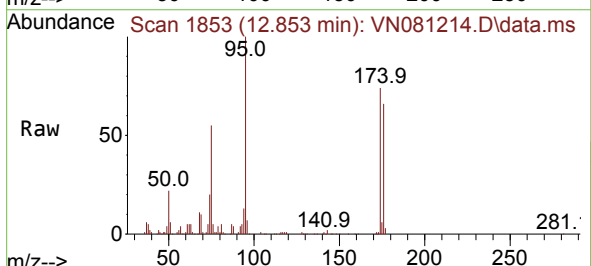
Acq: 27 Feb 2024 13:10

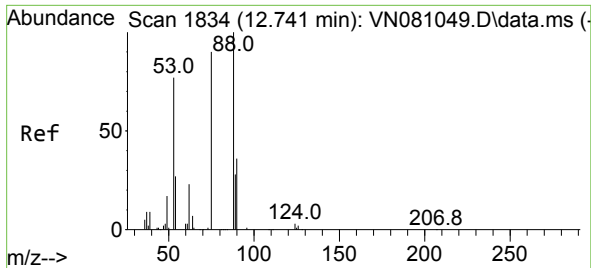
Tgt Ion: 75 Resp: 116482

Ion Ratio Lower Upper

75 100

77 1.7 91.0 272.8#





#81
 trans-1,4-Dichloro-2-butene
 Concen: 65.747 ug/l
 RT: 12.853 min Scan# 11
 Delta R.T. 0.112 min
 Lab File: VN081214.D
 Acq: 27 Feb 2024 13:10

Instrument :
 MSVOA_N
 ClientSampleId :
 TB05-20240221

Tgt Ion: 75 Resp: 116482
 Ion Ratio Lower Upper
 75 100
 53 0.0 71.4 107.2#
 89 0.0 33.4 50.0#

