

Data Path : Z:\voasrv\HPCHEM1\MSVOA_N\Data\VN021424\
 Data File : VN081024.D
 Acq On : 14 Feb 2024 14:36
 Operator : JC\MD
 Sample : IBLK
 Misc : 5.0mL/MSVOA_N/WATER
 ALS Vial : 9 Sample Multiplier: 1

Instrument :
 MSVOA_N
 ClientSampleId :

Quant Time: Feb 15 07:59:53 2024
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_N\methods\82N021424W.M
 Quant Title : SW846 8260
 QLast Update : Thu Feb 15 07:59:19 2024
 Response via : Initial Calibration

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

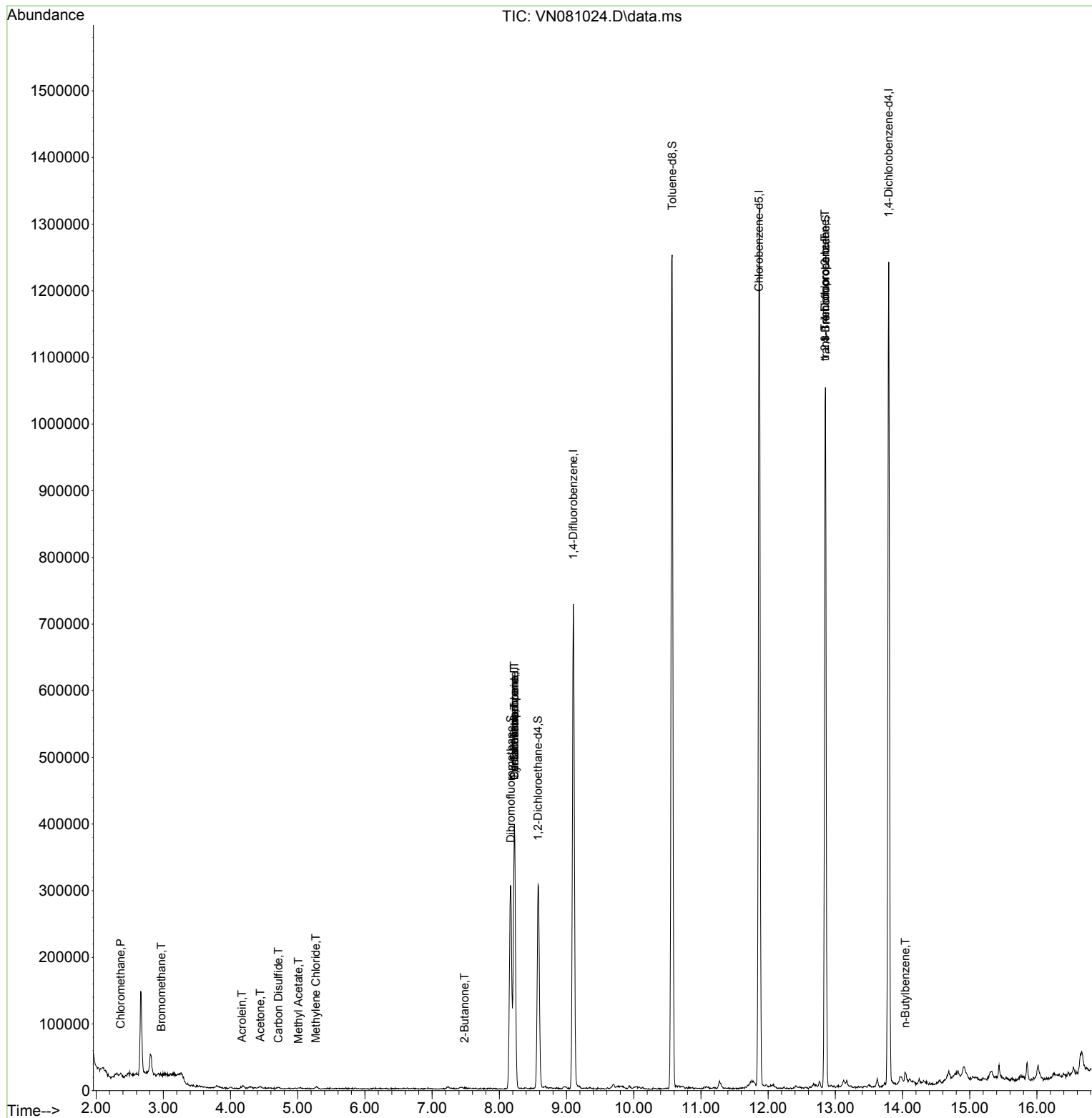
Internal Standards						
1) Pentafluorobenzene	8.224	168	281463	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	9.100	114	624932	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.865	117	747011	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.794	152	320444	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.577	65	248330	71.729	ug/l	0.00
Spiked Amount	50.000	Range	74 - 125	Recovery	= 143.460%#	
35) Dibromofluoromethane	8.171	113	222243	62.026	ug/l	0.00
Spiked Amount	50.000	Range	75 - 124	Recovery	= 124.060%#	
50) Toluene-d8	10.571	98	869972	68.846	ug/l	0.00
Spiked Amount	50.000	Range	86 - 113	Recovery	= 137.700%#	
62) 4-Bromofluorobenzene	12.853	95	370764	86.270	ug/l	0.00
Spiked Amount	50.000	Range	83 - 123	Recovery	= 172.540%#	
Target Compounds						
					Qvalue	
3) Chloromethane	2.365	50	8061	1.659	ug/l	98
5) Bromomethane	2.971	94	939	0.491	ug/l	92
13) Acrolein	4.171	56	4837	1.637	ug/l #	65
16) Acetone	4.442	43	5888	4.344	ug/l	89
17) Carbon Disulfide	4.712	76	3400	0.383	ug/l #	60
18) Methyl Acetate	5.012	43	1533	0.429	ug/l #	54
20) Methylene Chloride	5.271	84	1253	0.355	ug/l #	53
25) 2-Butanone	7.483	43	861	0.391	ug/l #	67
31) Cyclohexane	8.224	56	7640	1.270	ug/l #	1
36) 1,1-Dichloropropene	8.224	75	24545	4.106	ug/l #	51
38) Carbon Tetrachloride	8.224	117	31458	7.189	ug/l #	16
49) 1,4-Dioxane	9.694	88	4977	Below Cal		92
76) 1,2,3-Trichloropropane	12.847	75	201246	28.422	ug/l #	1
81) trans-1,4-Dichloro-2-b...	12.847	75	201246	66.163	ug/l #	14
89) n-Butylbenzene	14.041	91	7072	0.326	ug/l #	42
90) Hexachloroethane	14.329	117	956	Below Cal	#	21
92) 1,2-Dibromo-3-Chloropr...	14.712	75	892	Below Cal	#	13

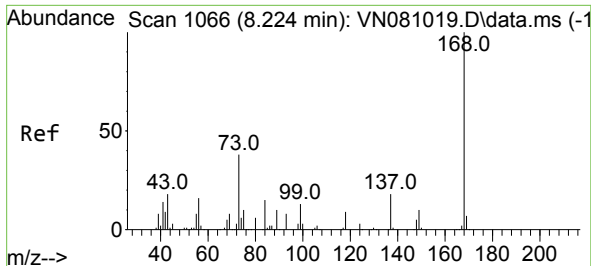
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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QLast Update : Thu Feb 15 07:59:19 2024
Response via : Initial Calibration

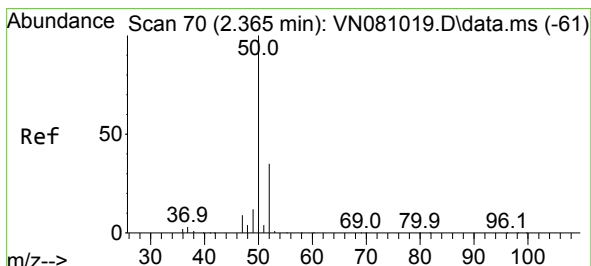
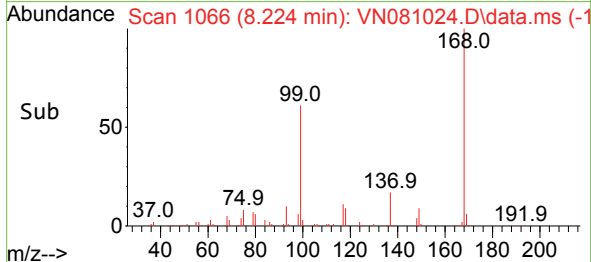
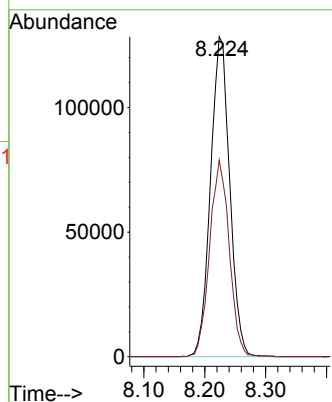
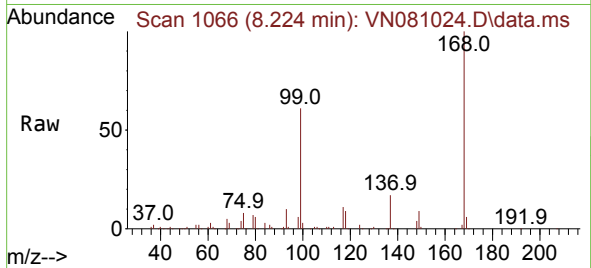




#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 8.224 min Scan# 1066
Delta R.T. -0.000 min
Lab File: VN081024.D
Acq: 14 Feb 2024 14:36

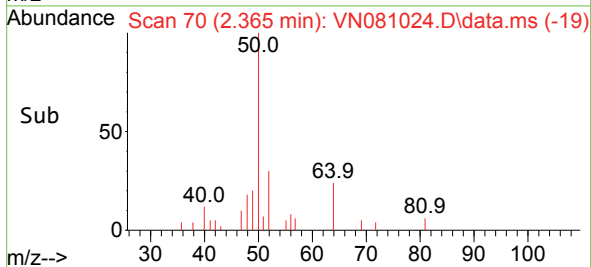
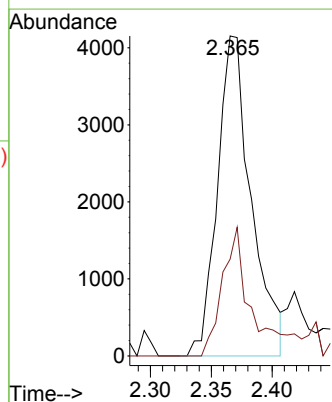
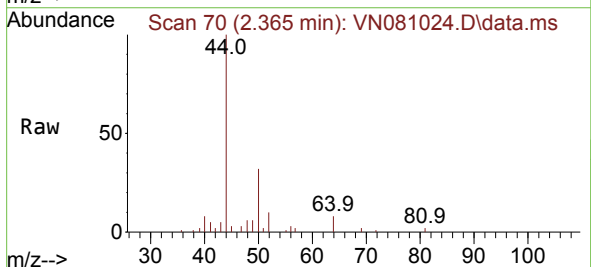
Instrument :
MSVOA_N
ClientSampleId :

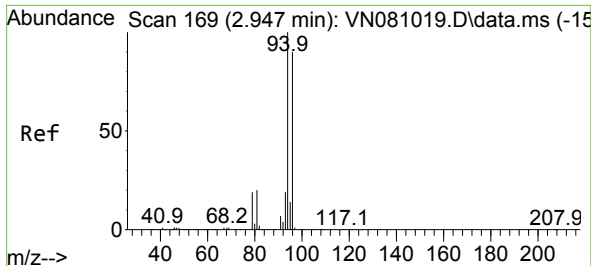
Tgt Ion:168 Resp: 281463
Ion Ratio Lower Upper
168 100
99 61.4 59.9 89.9



#3
Chloromethane
Concen: 1.659 ug/l
RT: 2.365 min Scan# 70
Delta R.T. 0.000 min
Lab File: VN081024.D
Acq: 14 Feb 2024 14:36

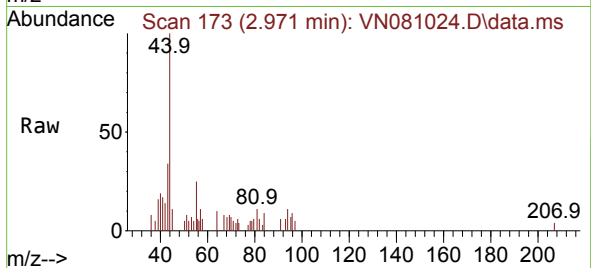
Tgt Ion: 50 Resp: 8061
Ion Ratio Lower Upper
50 100
52 30.2 25.0 37.4



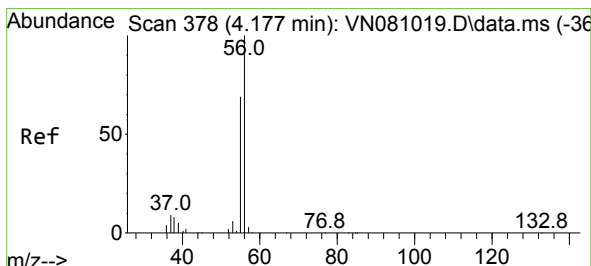
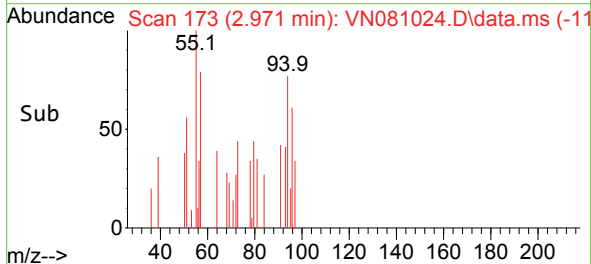
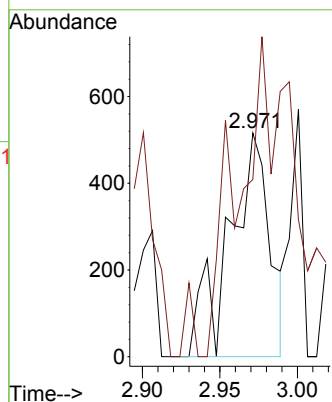


#5
Bromomethane
Concen: 0.491 ug/l
RT: 2.971 min Scan# 11
Delta R.T. 0.024 min
Lab File: VN081024.D
Acq: 14 Feb 2024 14:36

Instrument :
MSVOA_N
ClientSampleId :

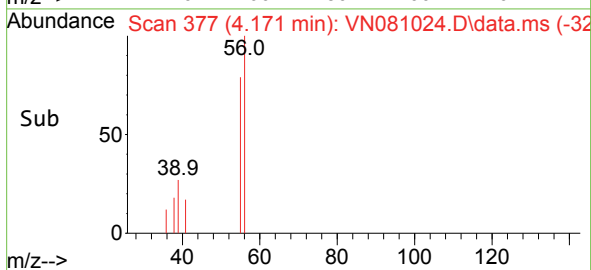
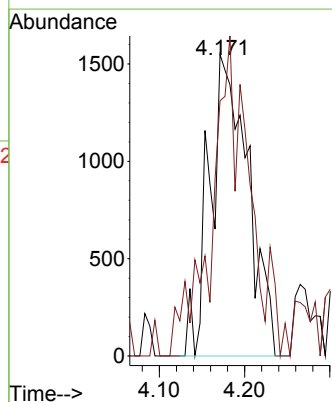
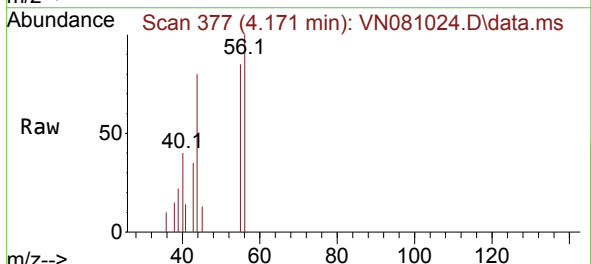


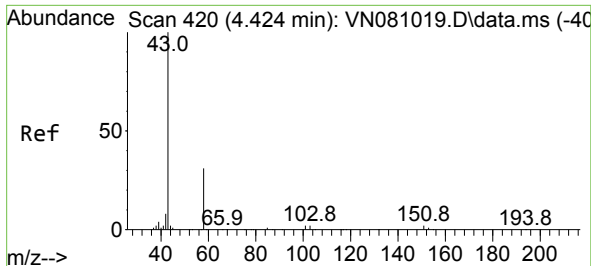
Tgt Ion: 94 Resp: 939
Ion Ratio Lower Upper
94 100
96 79.3 69.2 103.8



#13
Acrolein
Concen: 1.637 ug/l
RT: 4.171 min Scan# 377
Delta R.T. -0.006 min
Lab File: VN081024.D
Acq: 14 Feb 2024 14:36

Tgt Ion: 56 Resp: 4837
Ion Ratio Lower Upper
56 100
55 97.5 55.3 82.9#

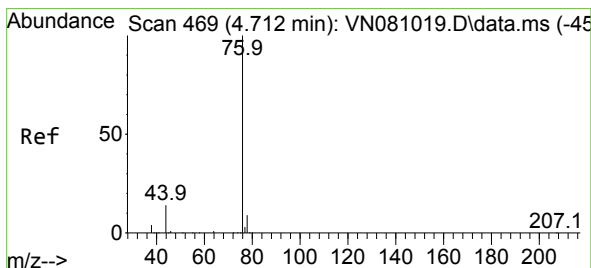
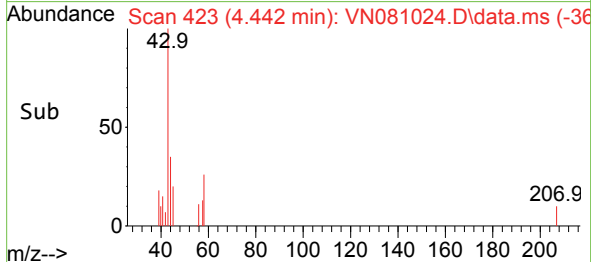
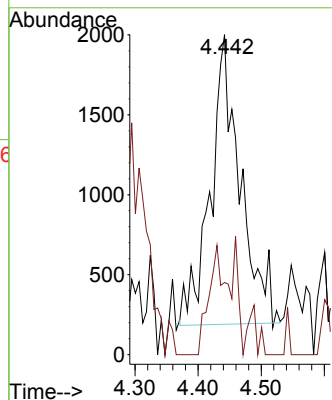
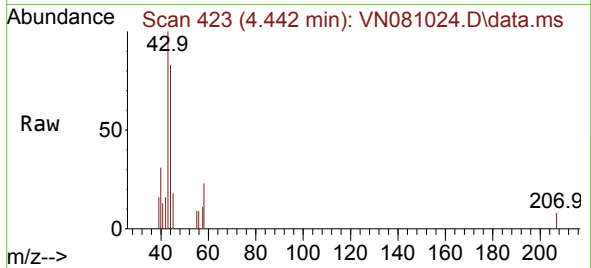




#16
Acetone
Concen: 4.344 ug/l
RT: 4.442 min Scan# 41
Delta R.T. 0.018 min
Lab File: VN081024.D
Acq: 14 Feb 2024 14:36

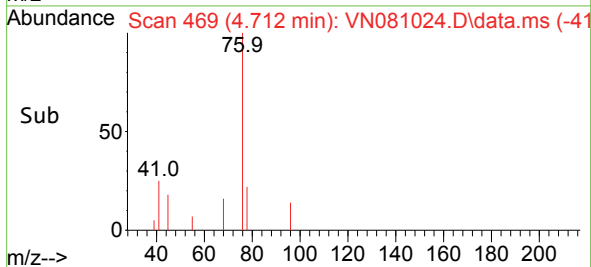
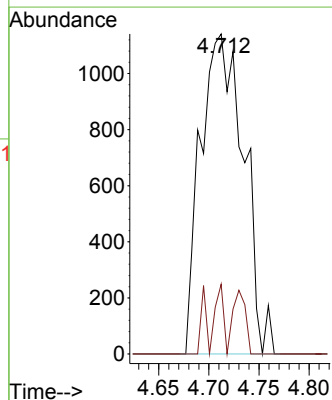
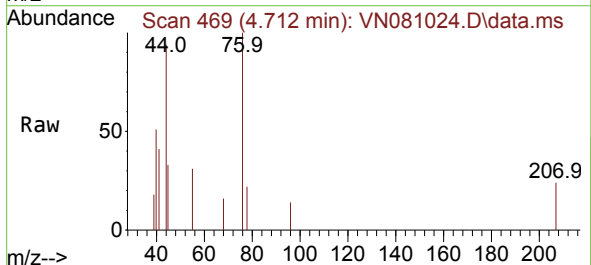
Instrument :
MSVOA_N
ClientSampleId :

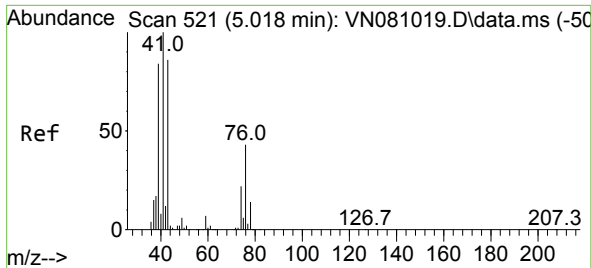
Tgt Ion: 43 Resp: 5888
Ion Ratio Lower Upper
43 100
58 25.1 24.8 37.2



#17
Carbon Disulfide
Concen: 0.383 ug/l
RT: 4.712 min Scan# 469
Delta R.T. 0.000 min
Lab File: VN081024.D
Acq: 14 Feb 2024 14:36

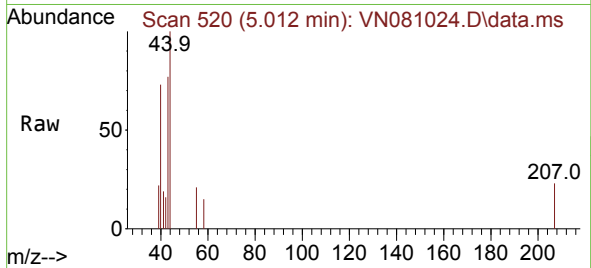
Tgt Ion: 76 Resp: 3400
Ion Ratio Lower Upper
76 100
78 21.8 6.3 9.5#



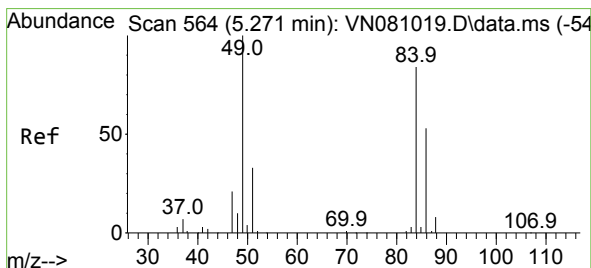
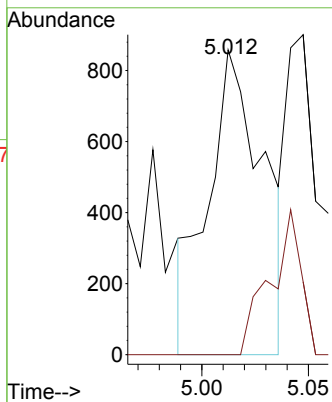
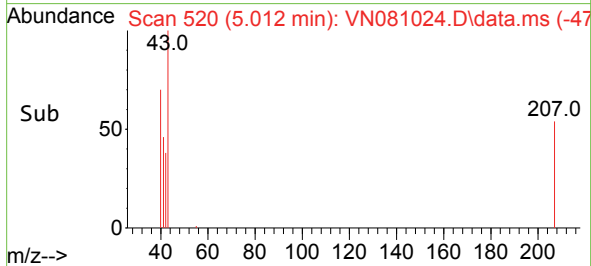


#18
Methyl Acetate
Concen: 0.429 ug/l
RT: 5.012 min Scan# 51
Delta R.T. -0.006 min
Lab File: VN081024.D
Acq: 14 Feb 2024 14:36

Instrument :
MSVOA_N
ClientSampleId :

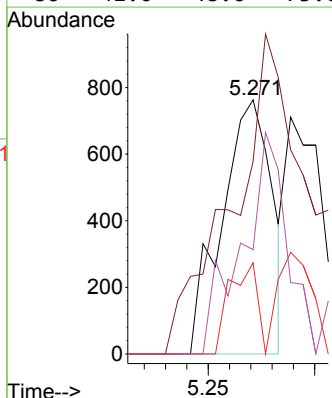
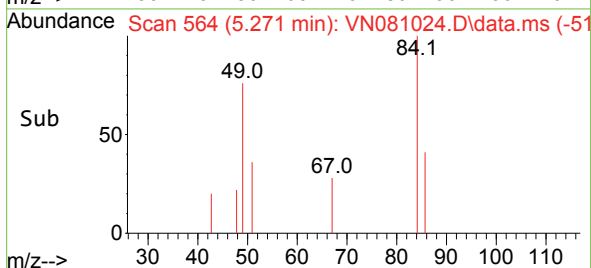
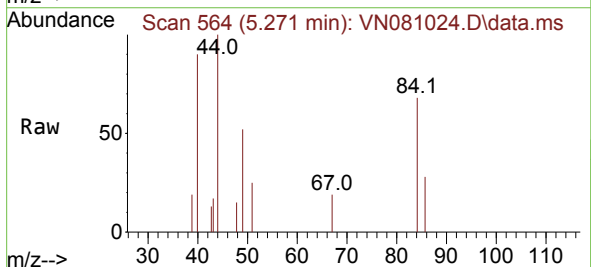


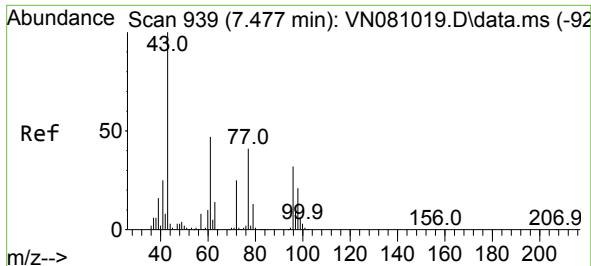
Tgt Ion: 43 Resp: 1533
Ion Ratio Lower Upper
43 100
74 0.0 17.3 25.9#



#20
Methylene Chloride
Concen: 0.355 ug/l
RT: 5.271 min Scan# 564
Delta R.T. 0.000 min
Lab File: VN081024.D
Acq: 14 Feb 2024 14:36

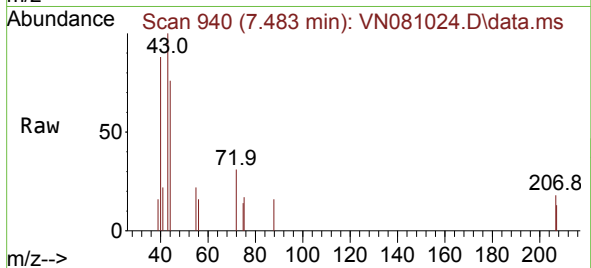
Tgt Ion: 84 Resp: 1253
Ion Ratio Lower Upper
84 100
49 54.5 108.1 162.1#
51 35.9 32.9 49.3
86 41.0 48.6 73.0#



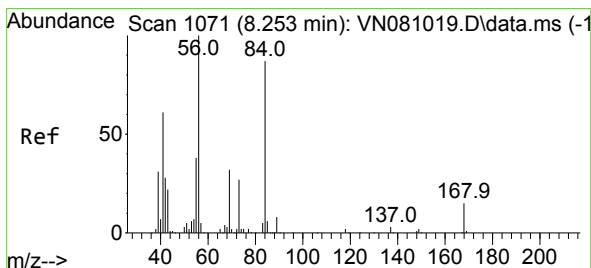
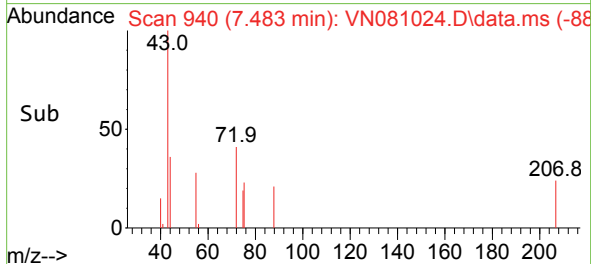
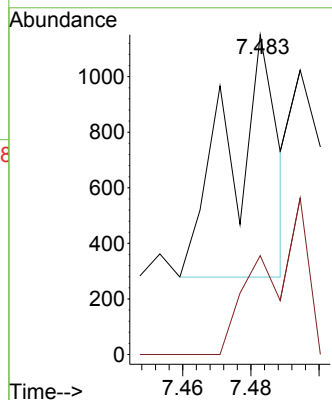


#25
2-Butanone
Concen: 0.391 ug/l
RT: 7.483 min Scan# 940
Delta R.T. 0.006 min
Lab File: VN081024.D
Acq: 14 Feb 2024 14:36

Instrument :
MSVOA_N
ClientSampleId :

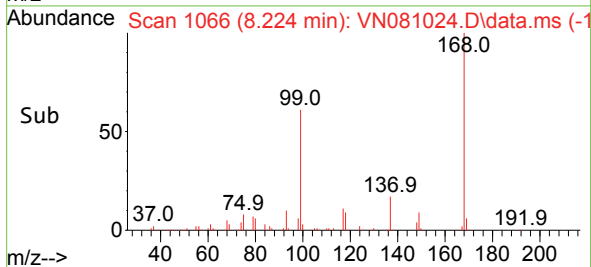
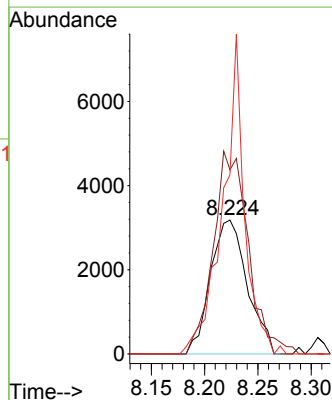
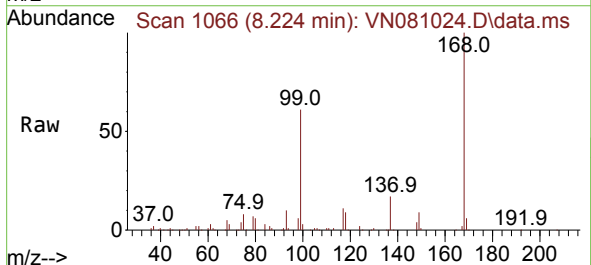


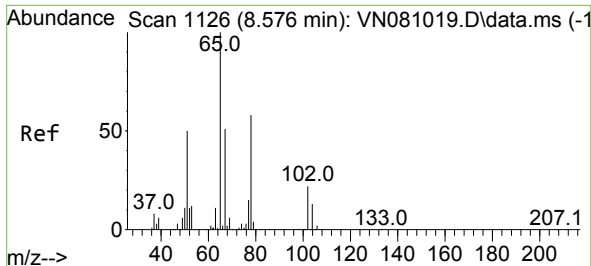
Tgt Ion: 43 Resp: 861
Ion Ratio Lower Upper
43 100
72 40.8 19.5 29.3#



#31
Cyclohexane
Concen: 1.270 ug/l
RT: 8.224 min Scan# 1066
Delta R.T. -0.029 min
Lab File: VN081024.D
Acq: 14 Feb 2024 14:36

Tgt Ion: 56 Resp: 7640
Ion Ratio Lower Upper
56 100
69 137.5 20.1 30.1#
84 133.7 56.9 85.3#





#33

1,2-Dichloroethane-d4

Concen: 71.729 ug/l

RT: 8.577 min Scan# 1126

Delta R.T. 0.000 min

Lab File: VN081024.D

Acq: 14 Feb 2024 14:36

Instrument :

MSVOA_N

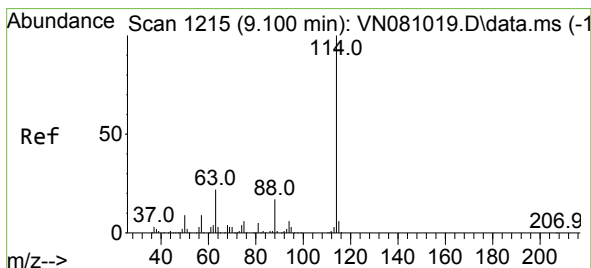
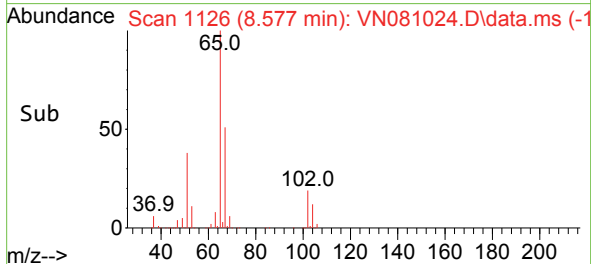
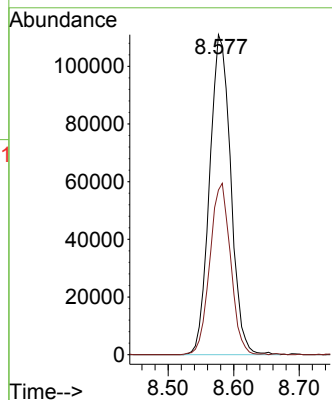
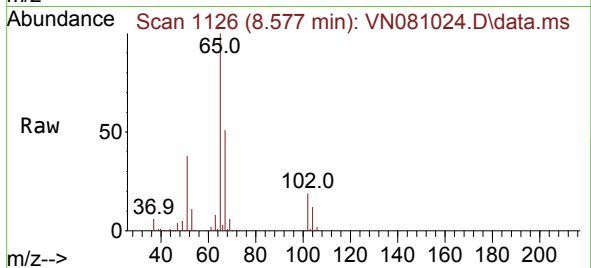
ClientSampleId :

Tgt Ion: 65 Resp: 248330

Ion Ratio Lower Upper

65 100

67 52.5 0.0 102.4



#34

1,4-Difluorobenzene

Concen: 50.000 ug/l

RT: 9.100 min Scan# 1215

Delta R.T. 0.000 min

Lab File: VN081024.D

Acq: 14 Feb 2024 14:36

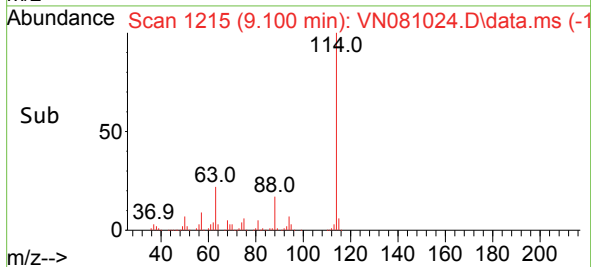
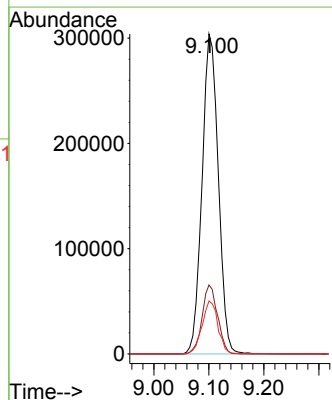
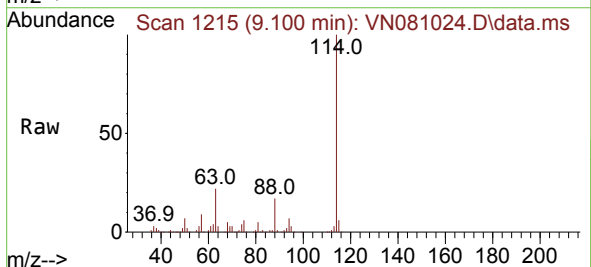
Tgt Ion: 114 Resp: 624932

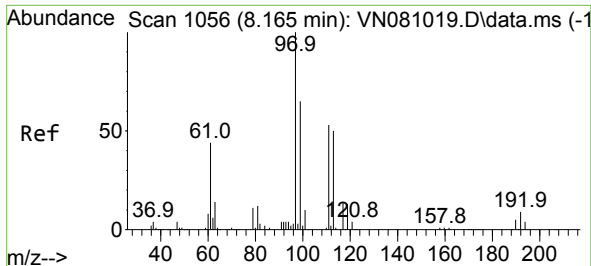
Ion Ratio Lower Upper

114 100

63 21.5 0.0 48.0

88 16.6 0.0 34.8

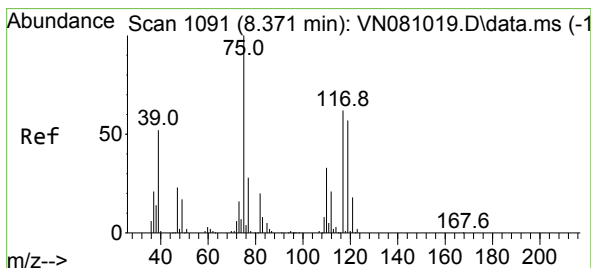
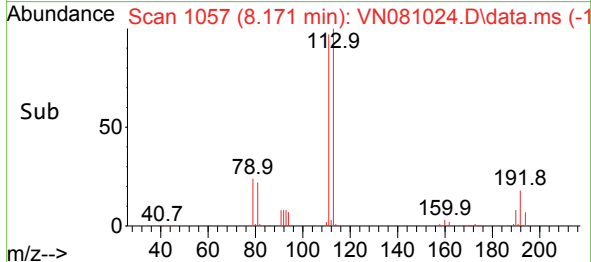
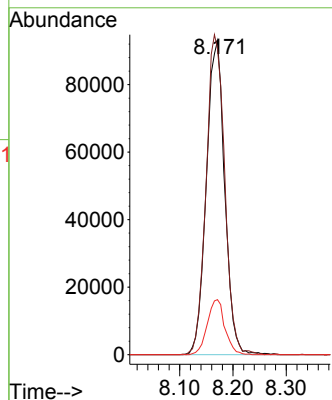
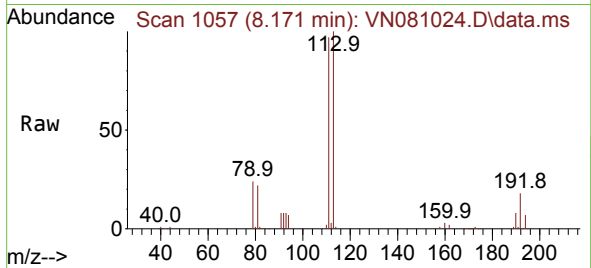




#35
Dibromofluoromethane
Concen: 62.026 ug/l
RT: 8.171 min Scan# 1056
Delta R.T. 0.006 min
Lab File: VN081024.D
Acq: 14 Feb 2024 14:36

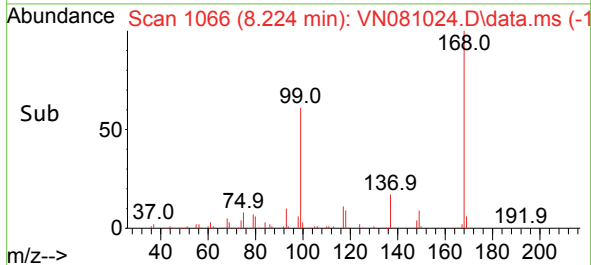
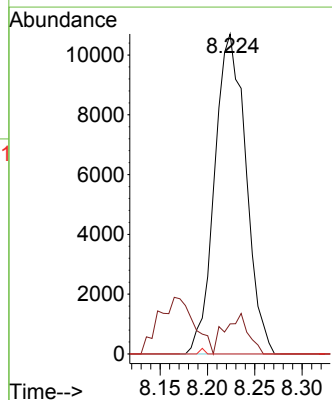
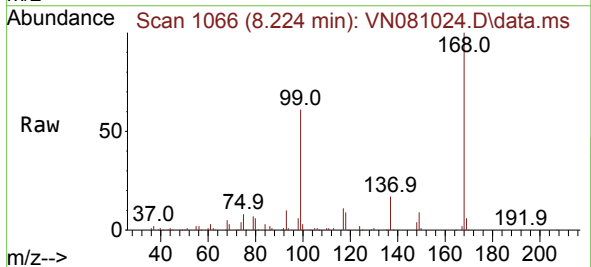
Instrument :
MSVOA_N
ClientSampleId :

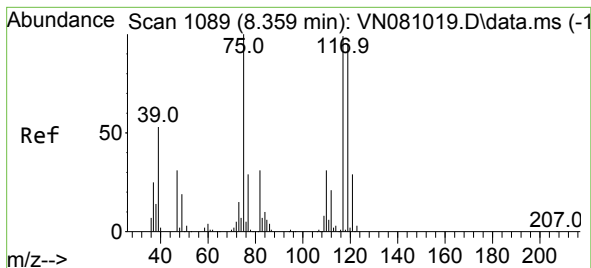
Tgt Ion:113 Resp: 222243
Ion Ratio Lower Upper
113 100
111 103.3 82.2 123.4
192 16.8 12.5 18.7



#36
1,1-Dichloropropene
Concen: 4.106 ug/l
RT: 8.224 min Scan# 1066
Delta R.T. -0.147 min
Lab File: VN081024.D
Acq: 14 Feb 2024 14:36

Tgt Ion: 75 Resp: 24545
Ion Ratio Lower Upper
75 100
110 9.4 16.0 48.0#
77 0.0 25.8 38.6#





#38

Carbon Tetrachloride

Concen: 7.189 ug/l

RT: 8.224 min Scan# 1066

Delta R.T. -0.135 min

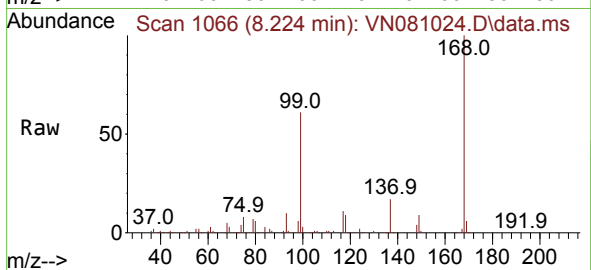
Lab File: VN081024.D

Acq: 14 Feb 2024 14:36

Instrument :

MSVOA_N

ClientSampleId :



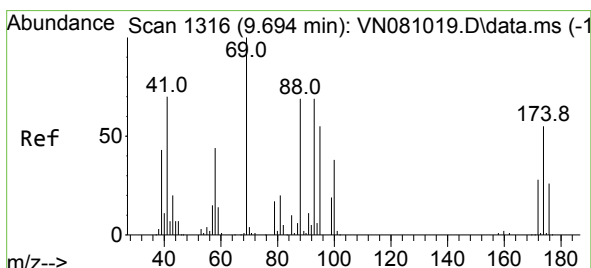
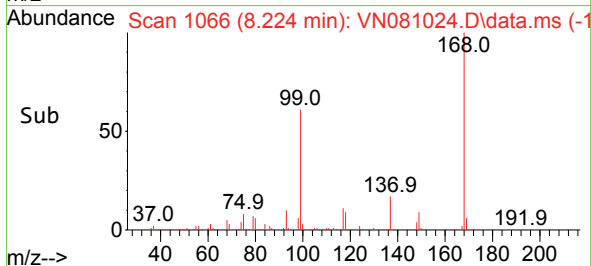
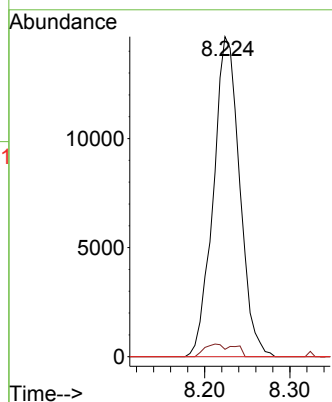
Tgt Ion:117 Resp: 31458

Ion Ratio Lower Upper

117 100

119 2.3 73.4 110.2#

121 0.0 24.4 36.6#



#49

1,4-Dioxane

Concen: Below Cal

RT: 9.694 min Scan# 1316

Delta R.T. 0.000 min

Lab File: VN081024.D

Acq: 14 Feb 2024 14:36

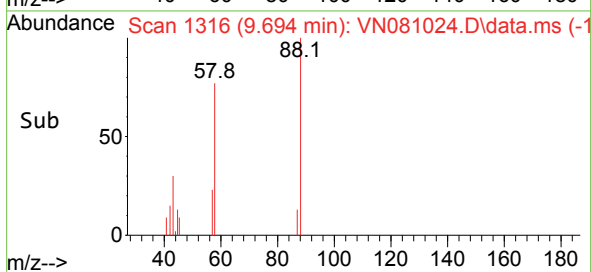
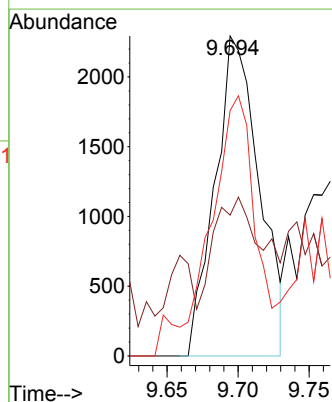
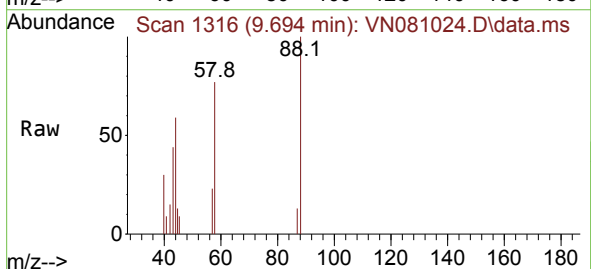
Tgt Ion: 88 Resp: 4977

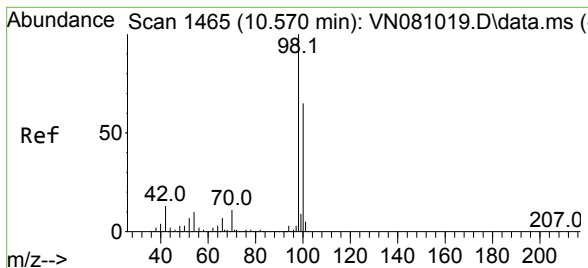
Ion Ratio Lower Upper

88 100

43 31.9 30.1 45.1

58 85.9 63.9 95.9





#50

Toluene-d8

Concen: 68.846 ug/l

RT: 10.571 min Scan# 1465

Delta R.T. 0.000 min

Lab File: VN081024.D

Acq: 14 Feb 2024 14:36

Instrument :

MSVOA_N

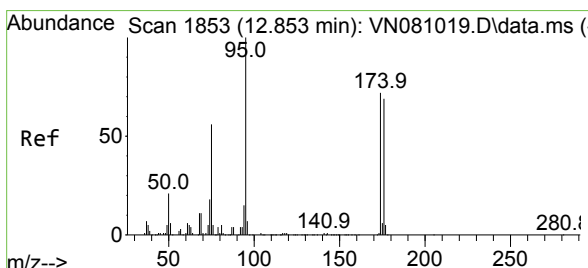
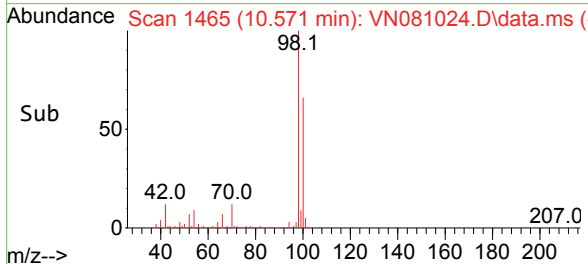
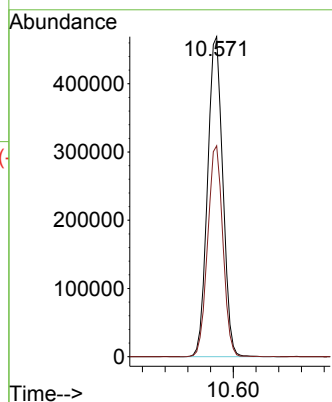
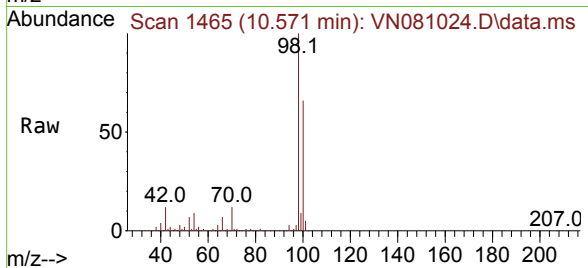
ClientSampleId :

Tgt Ion: 98 Resp: 869972

Ion Ratio Lower Upper

98 100

100 65.7 51.4 77.0



#62

4-Bromofluorobenzene

Concen: 86.270 ug/l

RT: 12.853 min Scan# 1853

Delta R.T. 0.000 min

Lab File: VN081024.D

Acq: 14 Feb 2024 14:36

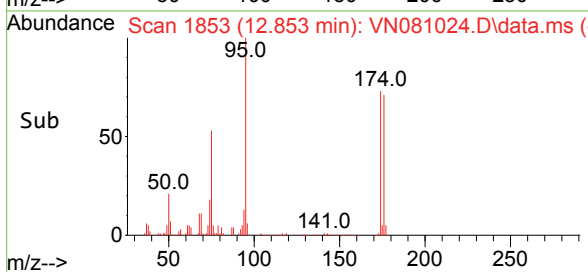
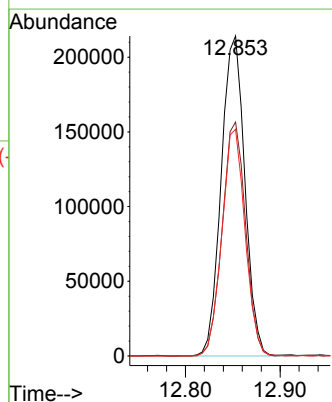
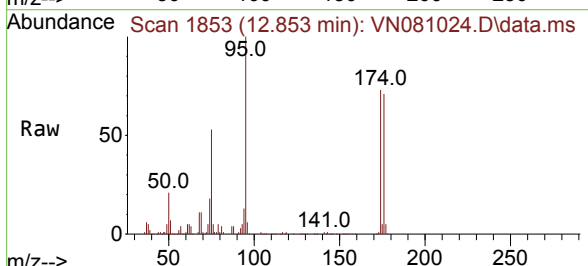
Tgt Ion: 95 Resp: 370764

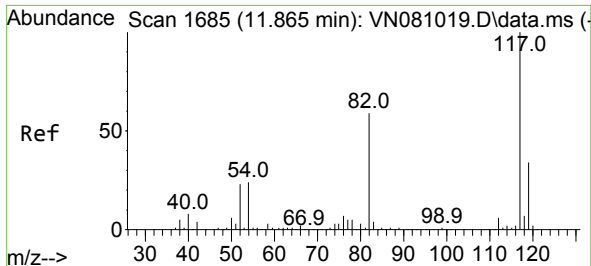
Ion Ratio Lower Upper

95 100

174 72.4 0.0 120.4

176 69.7 0.0 121.0

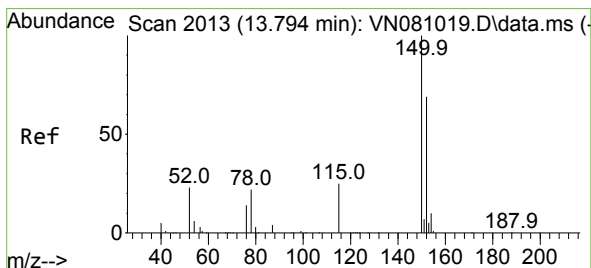
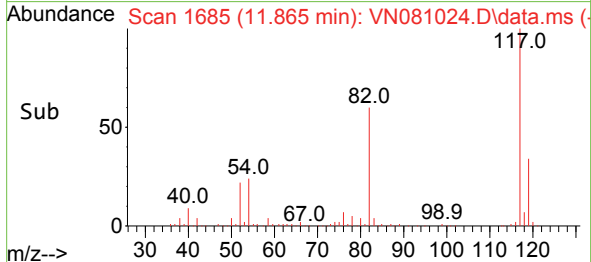
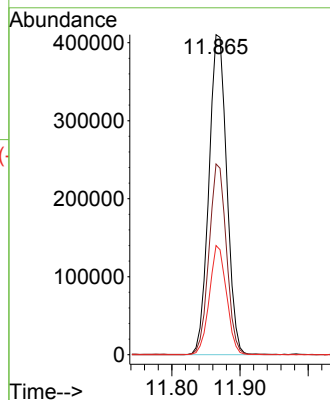
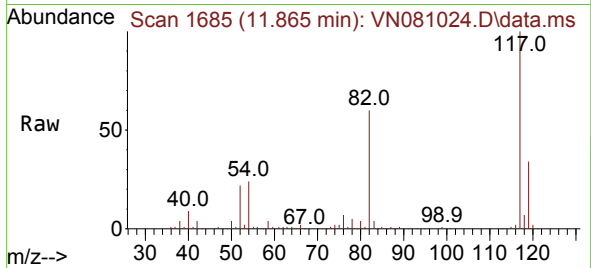




#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.865 min Scan# 117
Delta R.T. 0.000 min
Lab File: VN081024.D
Acq: 14 Feb 2024 14:36

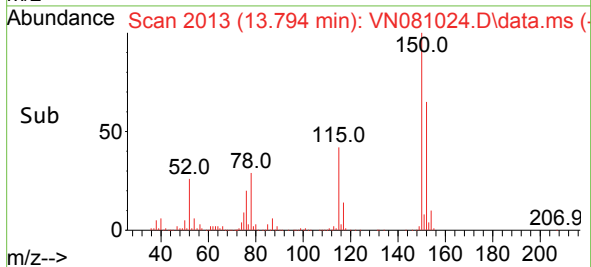
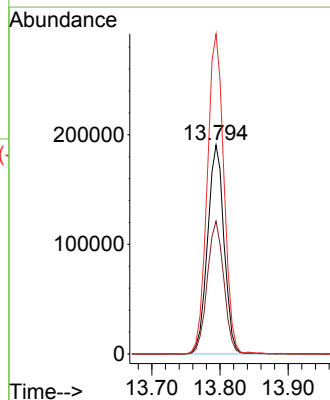
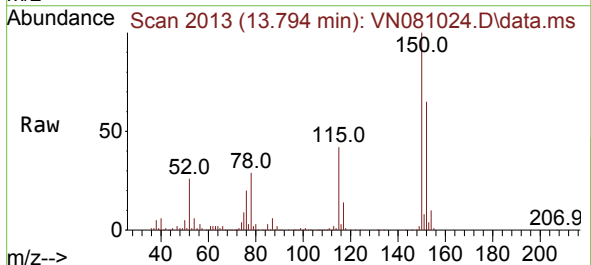
Instrument :
MSVOA_N
ClientSampleId :

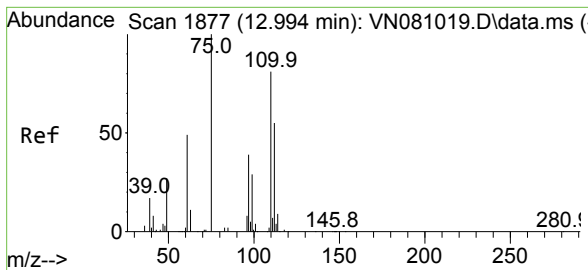
Tgt Ion:117 Resp: 747011
Ion Ratio Lower Upper
117 100
82 59.5 52.7 79.1
119 34.1 25.3 37.9



#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 13.794 min Scan# 2013
Delta R.T. 0.000 min
Lab File: VN081024.D
Acq: 14 Feb 2024 14:36

Tgt Ion:152 Resp: 320444
Ion Ratio Lower Upper
152 100
115 63.8 32.3 96.8
150 154.9 0.0 339.8

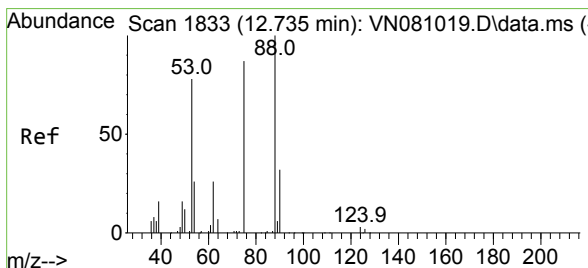
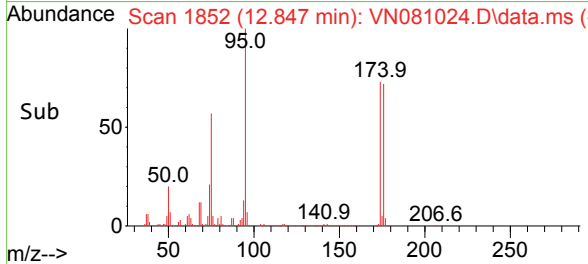
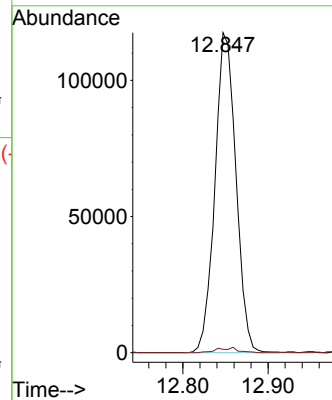
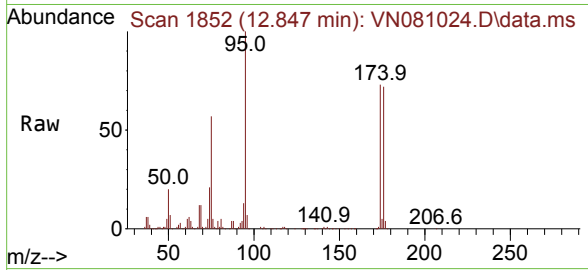




#76
1,2,3-Trichloropropane
Concen: 28.422 ug/l
RT: 12.847 min Scan# 1852
Delta R.T. -0.147 min
Lab File: VN081024.D
Acq: 14 Feb 2024 14:36

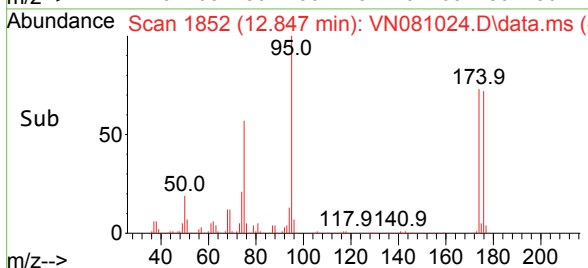
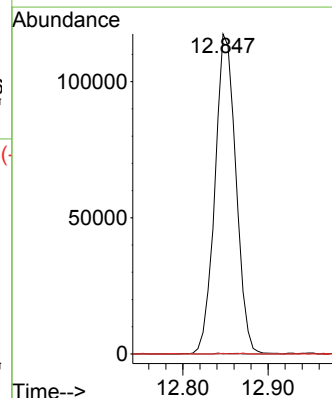
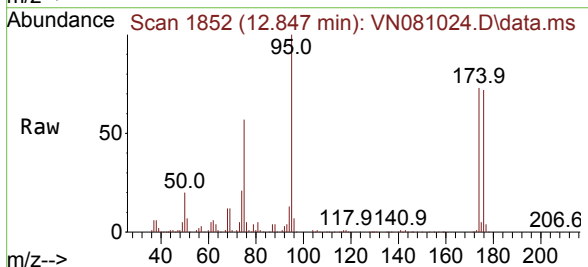
Instrument :
MSVOA_N
ClientSampleId :

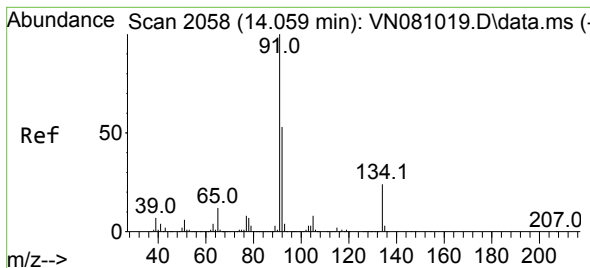
Tgt Ion: 75 Resp: 201246
Ion Ratio Lower Upper
75 100
77 1.5 91.0 272.8#



#81
trans-1,4-Dichloro-2-butene
Concen: 66.163 ug/l
RT: 12.847 min Scan# 1852
Delta R.T. 0.112 min
Lab File: VN081024.D
Acq: 14 Feb 2024 14:36

Tgt Ion: 75 Resp: 201246
Ion Ratio Lower Upper
75 100
53 0.1 71.4 107.2#
89 0.0 33.4 50.0#





#89

n-Butylbenzene

Concen: 0.326 ug/l

RT: 14.041 min Scan# 2055

Delta R.T. -0.017 min

Lab File: VN081024.D

Acq: 14 Feb 2024 14:36

Instrument :

MSVOA_N

ClientSampleId :

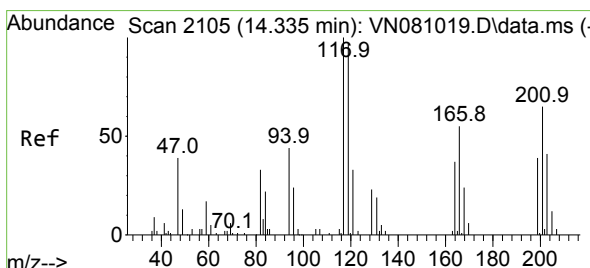
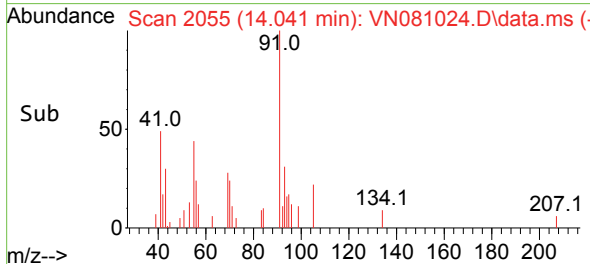
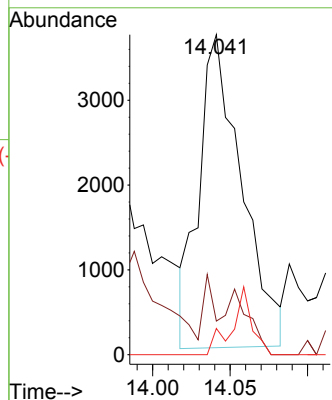
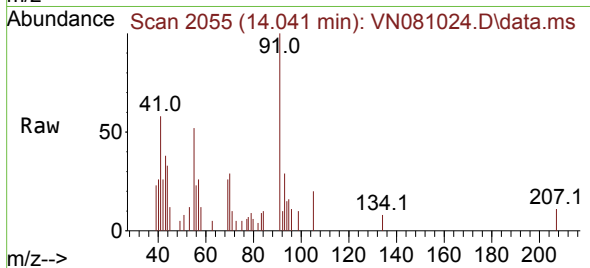
Tgt Ion: 91 Resp: 7072

Ion Ratio Lower Upper

91 100

92 9.0 26.7 80.1#

134 0.0 10.8 32.4#



#90

Hexachloroethane

Concen: Below Cal

RT: 14.329 min Scan# 2104

Delta R.T. -0.006 min

Lab File: VN081024.D

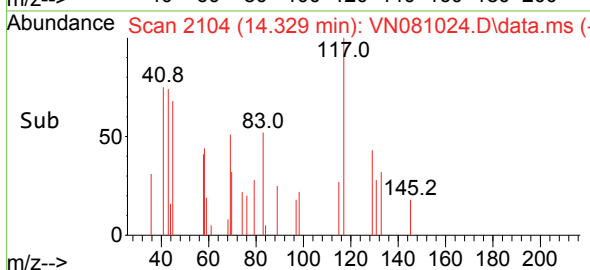
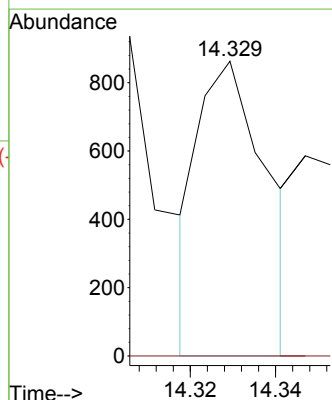
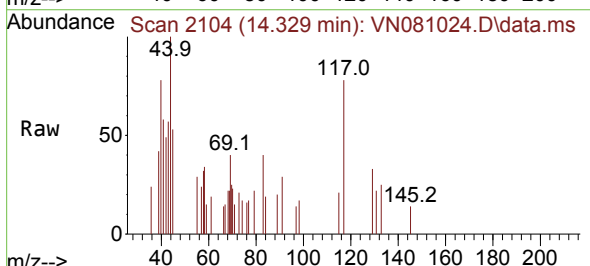
Acq: 14 Feb 2024 14:36

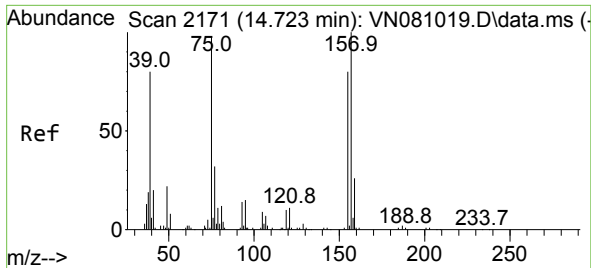
Tgt Ion: 117 Resp: 956

Ion Ratio Lower Upper

117 100

201 0.0 30.0 90.0#





#92
1,2-Dibromo-3-Chloropropane
Concen: Below Cal
RT: 14.712 min Scan# 21
Delta R.T. -0.011 min
Lab File: VN081024.D
Acq: 14 Feb 2024 14:36

Instrument :
MSVOA_N
ClientSampleId :

Tgt Ion: 75 Resp: 892
Ion Ratio Lower Upper
75 100
155 0.0 31.8 95.4#
157 0.0 41.1 123.4#

