

Data Path : Z:\voasrv\HPCHEM1\MSVOA_N\Data\VN041224\
 Data File : VN081714.D
 Acq On : 12 Apr 2024 13:44
 Operator : JC\MD
 Sample : P2073-02
 Misc : 5.0mL/MSVOA_N/WATER
 ALS Vial : 10 Sample Multiplier: 1

Instrument :
 MSVOA_N
 ClientSampleId :

Quant Time: Apr 13 06:55:34 2024
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_N\methods\82N031824W.M
 Quant Title : SW846 8260
 QLast Update : Tue Mar 19 06:00:00 2024
 Response via : Initial Calibration

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

Internal Standards						
1) Pentafluorobenzene	8.224	168	99037	50.000	ug/l	# 0.00
34) 1,4-Difluorobenzene	9.106	114	182105	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.865	117	182870	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.794	152	76133	50.000	ug/l	0.00

System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.577	65	72213	57.176	ug/l	0.00
Spiked Amount	50.000	Range	74 - 125	Recovery	= 114.360%	
35) Dibromofluoromethane	8.171	113	60249	52.424	ug/l	0.00
Spiked Amount	50.000	Range	75 - 124	Recovery	= 104.840%	
50) Toluene-d8	10.571	98	241156	58.047	ug/l	0.00
Spiked Amount	50.000	Range	86 - 113	Recovery	= 116.100%#	
62) 4-Bromofluorobenzene	12.853	95	67134	45.861	ug/l	0.00
Spiked Amount	50.000	Range	64 - 133	Recovery	= 91.720%	

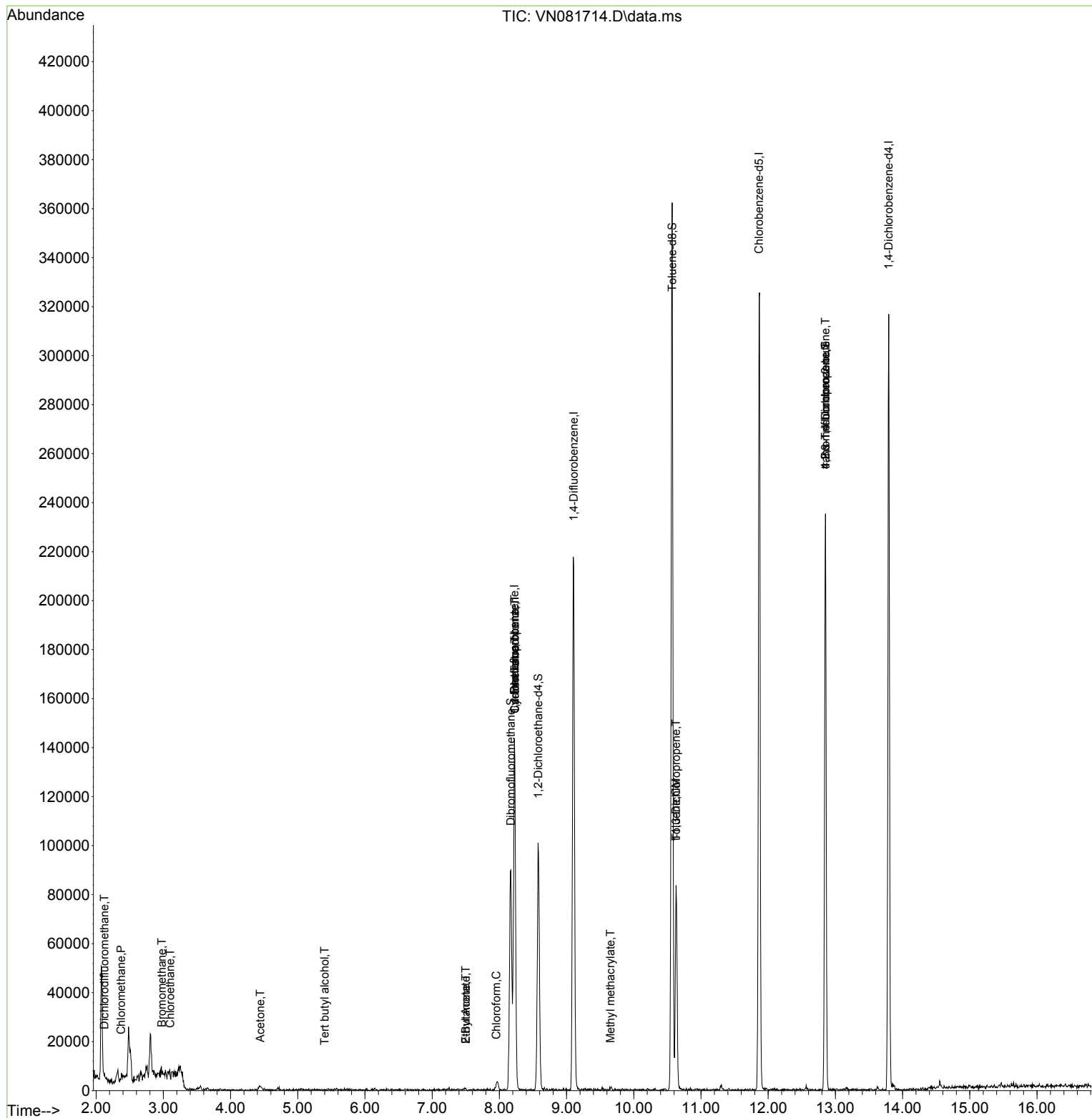
Target Compounds				Qvalue		
2) Dichlorodifluoromethane	2.124	85	594	0.445	ug/l	100
3) Chloromethane	2.371	50	608	0.458	ug/l #	43
5) Bromomethane	2.977	94	475	0.451	ug/l #	36
6) Chloroethane	3.101	64	216	0.211	ug/l #	42
11) Tert butyl alcohol	5.400	59	72	0.327	ug/l #	72
16) Acetone	4.442	43	2856	6.997	ug/l #	86
25) 2-Butanone	7.500	43	639	0.913	ug/l #	51
30) Chloroform	7.953	83	1952	0.800	ug/l #	58
31) Cyclohexane	8.230	56	2966	1.443	ug/l #	41
36) 1,1-Dichloropropene	8.230	75	8868	4.585	ug/l #	49
37) Ethyl Acetate	7.500	43	639	0.386	ug/l #	70
38) Carbon Tetrachloride	8.230	117	11276	5.322	ug/l #	17
48) Methyl methacrylate	9.653	41	475	0.375	ug/l #	38
52) Toluene	10.629	92	36390	10.125	ug/l	91
53) t-1,3-Dichloropropene	10.629	75	597	0.272	ug/l #	1
76) 1,2,3-Trichloropropane	12.853	75	38724	21.264	ug/l #	1
81) trans-1,4-Dichloro-2-b...	12.853	75	38724	57.461	ug/l #	14

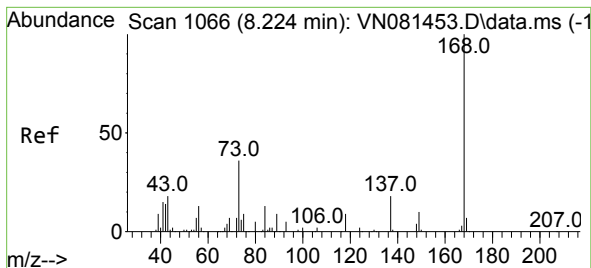
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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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: VN081714.D

Acq: 12 Apr 2024 13:44

Instrument :

MSVOA_N

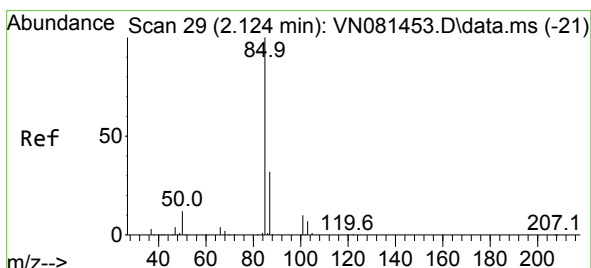
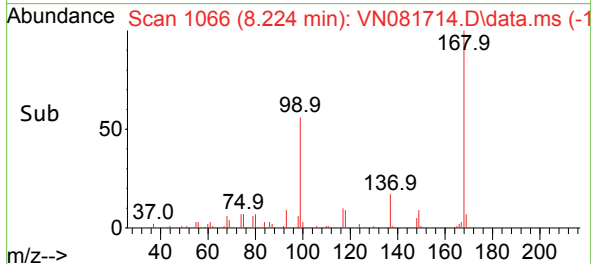
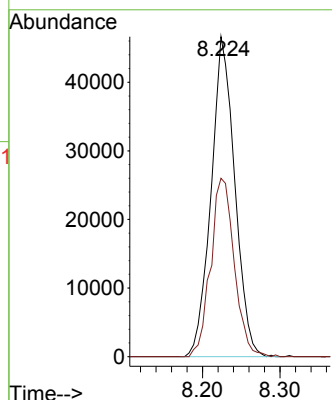
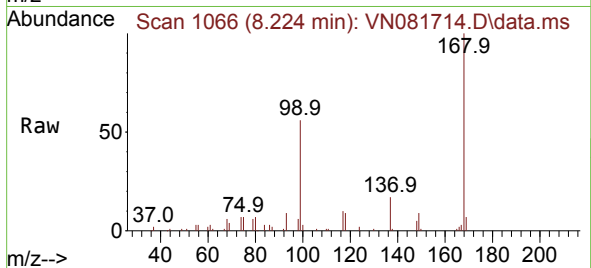
ClientSampleId :

Tgt Ion:168 Resp: 99037

Ion Ratio Lower Upper

168 100

99 55.7 59.9 89.9#



#2

Dichlorodifluoromethane

Concen: 0.445 ug/l

RT: 2.124 min Scan# 29

Delta R.T. 0.000 min

Lab File: VN081714.D

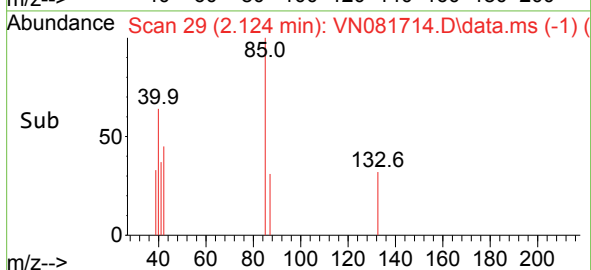
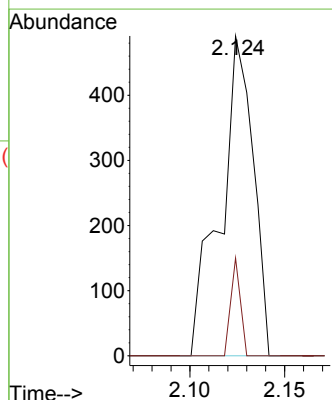
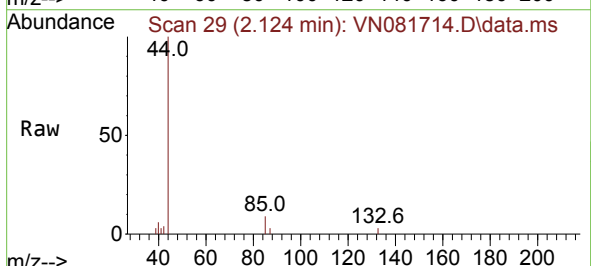
Acq: 12 Apr 2024 13:44

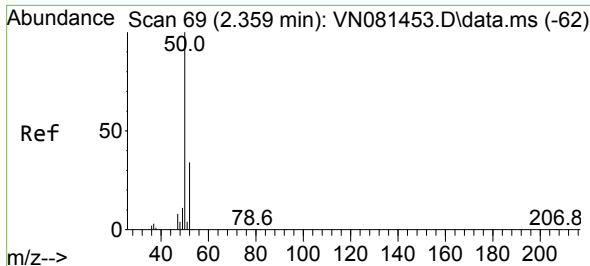
Tgt Ion: 85 Resp: 594

Ion Ratio Lower Upper

85 100

87 30.5 15.3 45.9

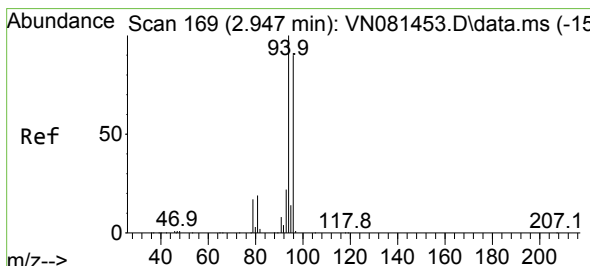
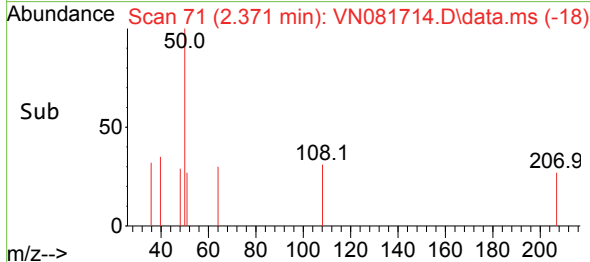
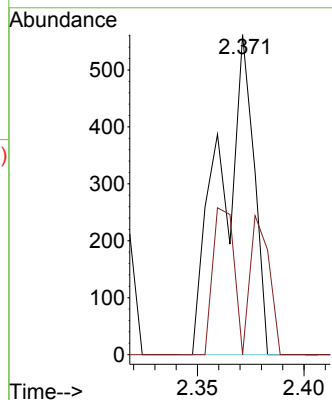
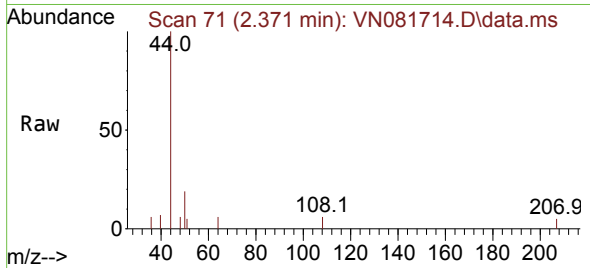




#3
Chloromethane
Concen: 0.458 ug/l
RT: 2.371 min Scan# 71
Delta R.T. 0.012 min
Lab File: VN081714.D
Acq: 12 Apr 2024 13:44

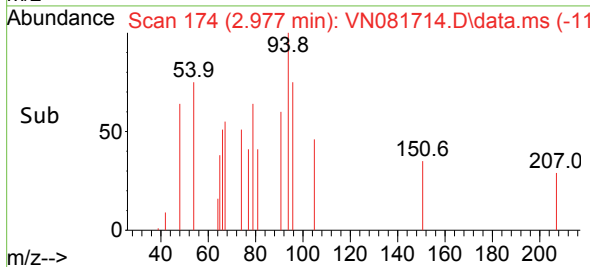
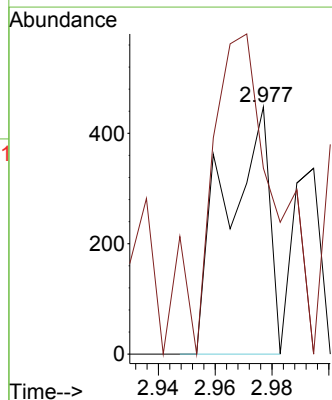
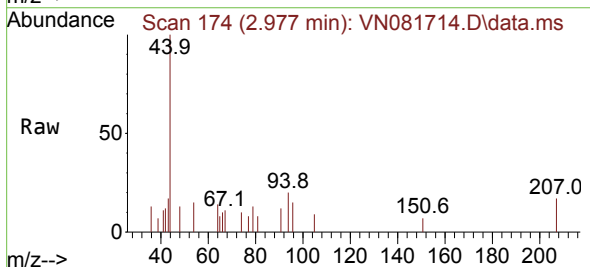
Instrument :
MSVOA_N
ClientSampleId :

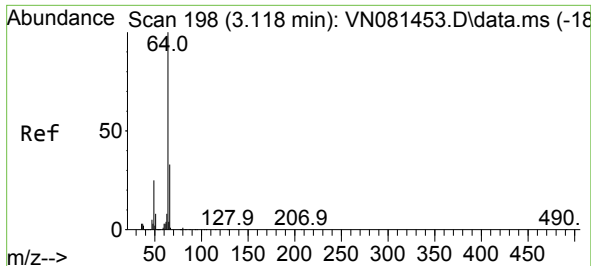
Tgt Ion: 50 Resp: 608
Ion Ratio Lower Upper
50 100
52 0.0 25.0 37.4#



#5
Bromomethane
Concen: 0.451 ug/l
RT: 2.977 min Scan# 174
Delta R.T. 0.030 min
Lab File: VN081714.D
Acq: 12 Apr 2024 13:44

Tgt Ion: 94 Resp: 475
Ion Ratio Lower Upper
94 100
96 27.7 69.2 103.8#

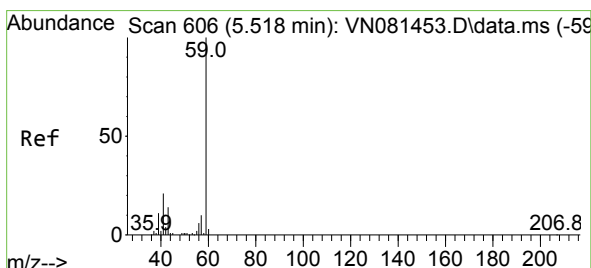
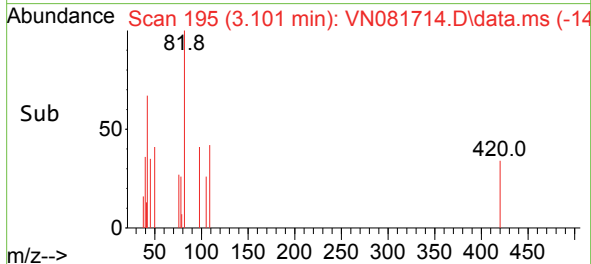
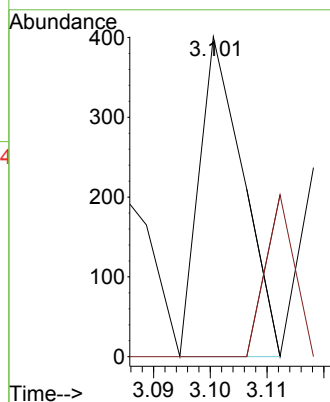
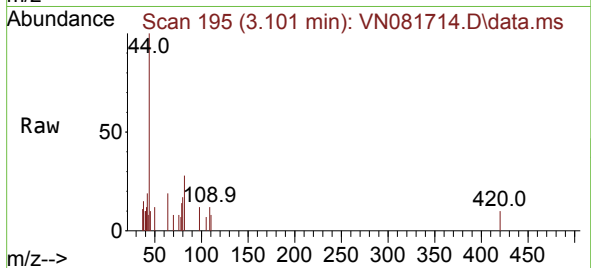




#6
Chloroethane
Concen: 0.211 ug/l
RT: 3.101 min Scan# 198
Delta R.T. -0.018 min
Lab File: VN081714.D
Acq: 12 Apr 2024 13:44

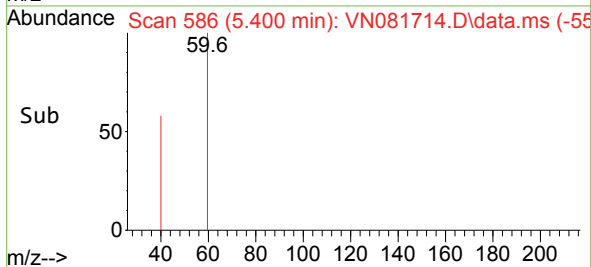
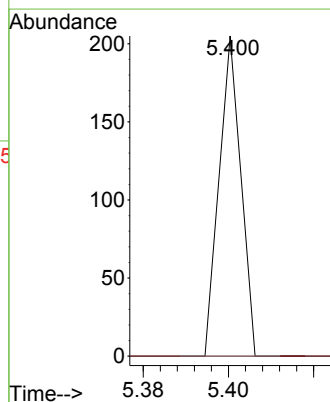
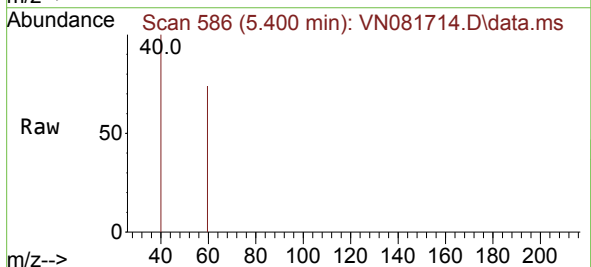
Instrument :
MSVOA_N
ClientSampleId :

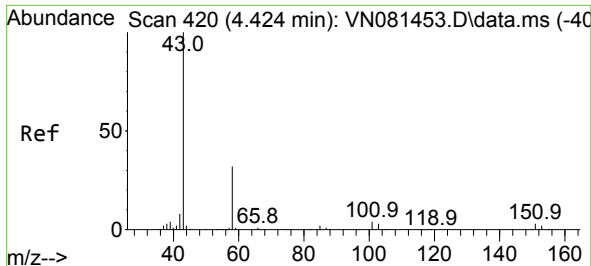
Tgt Ion: 64 Resp: 216
Ion Ratio Lower Upper
64 100
66 0.0 26.4 39.6#



#11
Tert butyl alcohol
Concen: 0.327 ug/l
RT: 5.400 min Scan# 586
Delta R.T. -0.118 min
Lab File: VN081714.D
Acq: 12 Apr 2024 13:44

Tgt Ion: 59 Resp: 72
Ion Ratio Lower Upper
59 100
57 0.0 8.6 12.8#

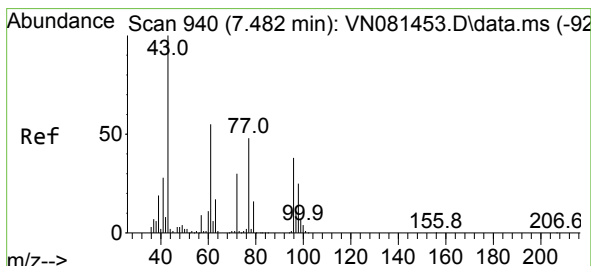
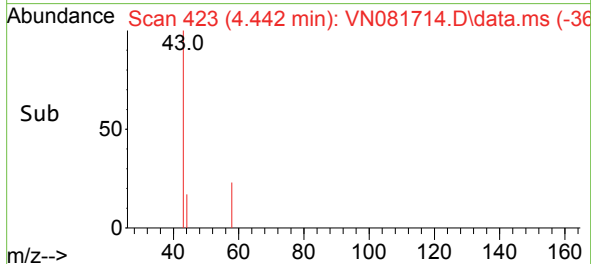
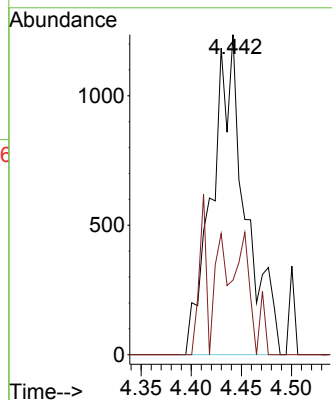
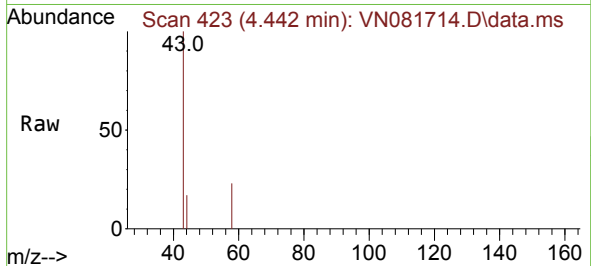




#16
Acetone
Concen: 6.997 ug/l
RT: 4.442 min Scan# 41
Delta R.T. 0.018 min
Lab File: VN081714.D
Acq: 12 Apr 2024 13:44

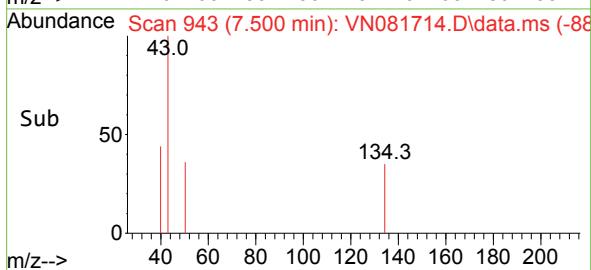
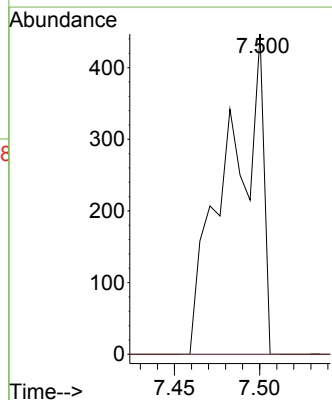
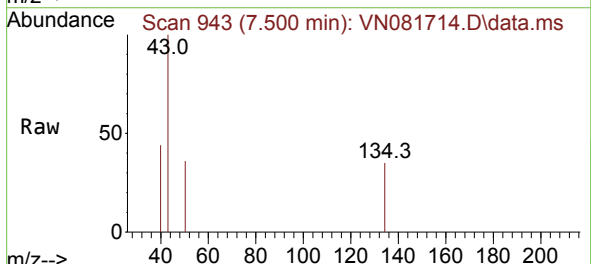
Instrument :
MSVOA_N
ClientSampleId :

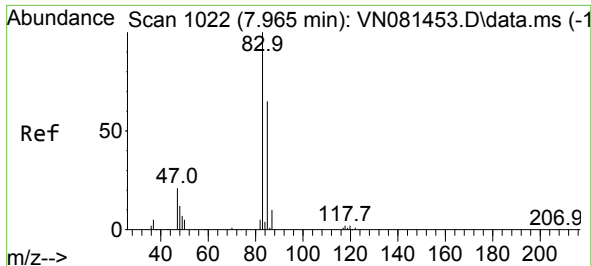
Tgt Ion: 43 Resp: 2856
Ion Ratio Lower Upper
43 100
58 23.3 24.8 37.2#



#25
2-Butanone
Concen: 0.913 ug/l
RT: 7.500 min Scan# 943
Delta R.T. 0.018 min
Lab File: VN081714.D
Acq: 12 Apr 2024 13:44

Tgt Ion: 43 Resp: 639
Ion Ratio Lower Upper
43 100
72 0.0 19.5 29.3#





#30

Chloroform

Concen: 0.800 ug/l

RT: 7.953 min Scan# 1020

Delta R.T. -0.012 min

Lab File: VN081714.D

Acq: 12 Apr 2024 13:44

Instrument :

MSVOA_N

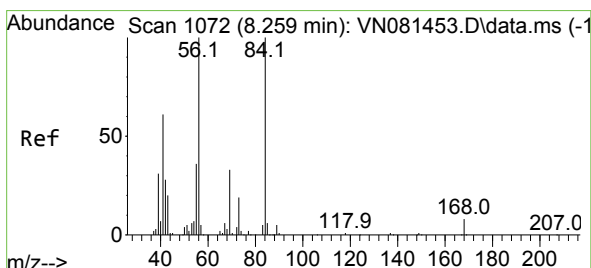
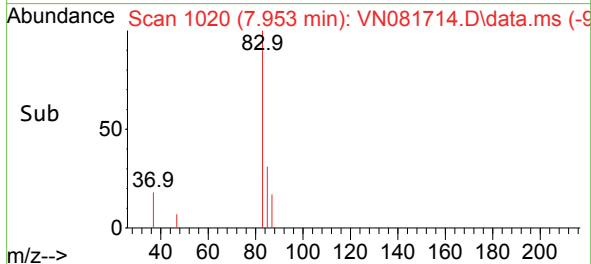
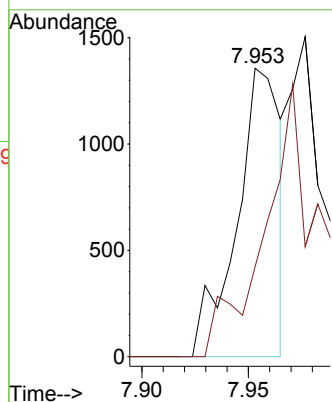
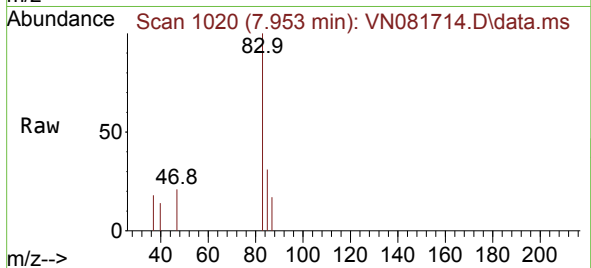
ClientSampleId :

Tgt Ion: 83 Resp: 1952

Ion Ratio Lower Upper

83 100

85 31.2 51.0 76.6#



#31

Cyclohexane

Concen: 1.443 ug/l

RT: 8.230 min Scan# 1067

Delta R.T. -0.029 min

Lab File: VN081714.D

Acq: 12 Apr 2024 13:44

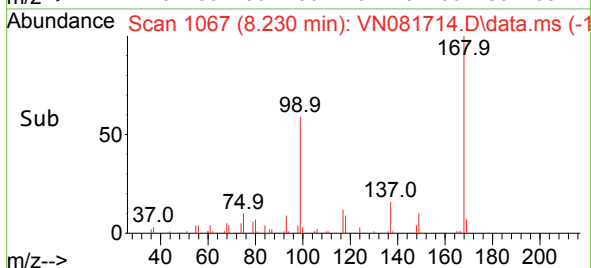
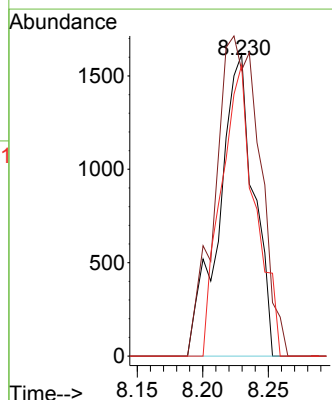
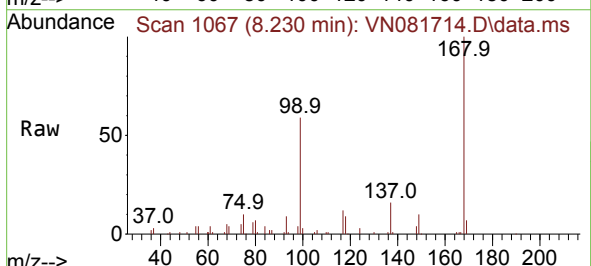
Tgt Ion: 56 Resp: 2966

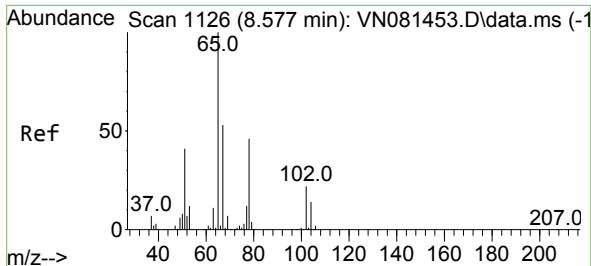
Ion Ratio Lower Upper

56 100

69 94.8 20.1 30.1#

84 96.5 56.9 85.3#





#33

1,2-Dichloroethane-d4

Concen: 57.176 ug/l

RT: 8.577 min Scan# 1126

Delta R.T. 0.000 min

Lab File: VN081714.D

Acq: 12 Apr 2024 13:44

Instrument :

MSVOA_N

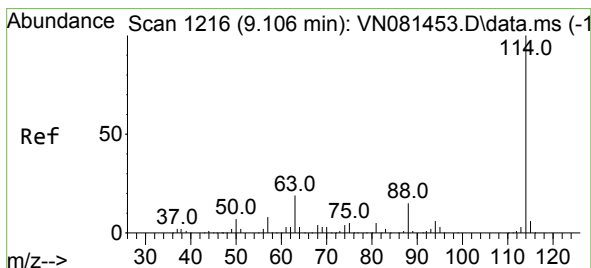
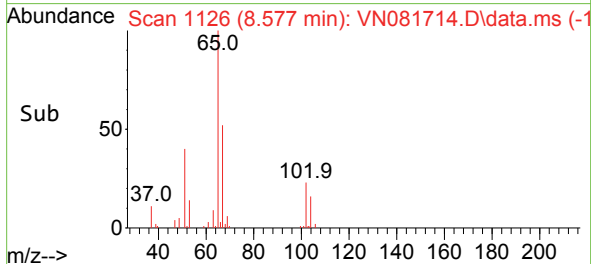
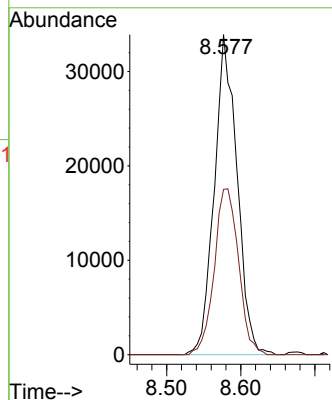
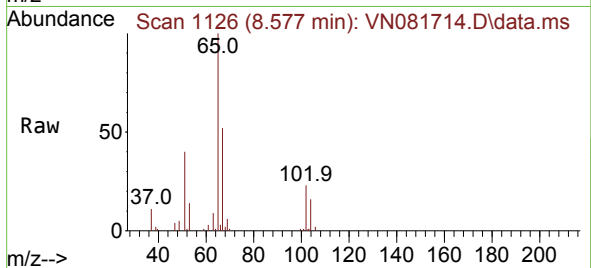
ClientSampleId :

Tgt Ion: 65 Resp: 72213

Ion Ratio Lower Upper

65 100

67 55.3 0.0 102.4



#34

1,4-Difluorobenzene

Concen: 50.000 ug/l

RT: 9.106 min Scan# 1216

Delta R.T. 0.000 min

Lab File: VN081714.D

Acq: 12 Apr 2024 13:44

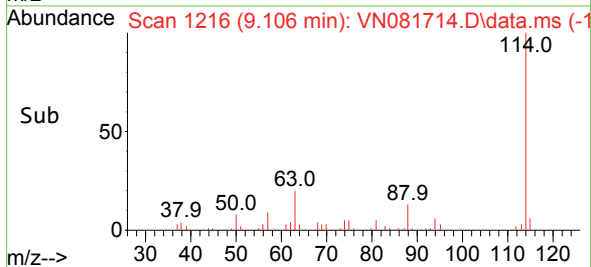
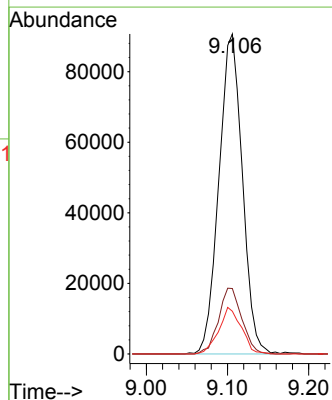
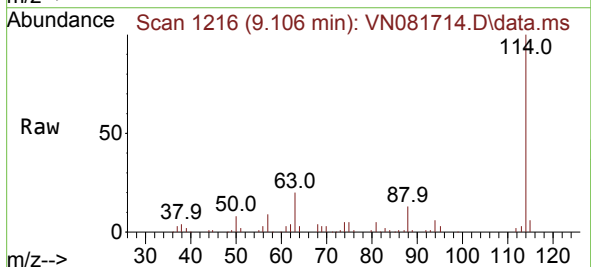
Tgt Ion: 114 Resp: 182105

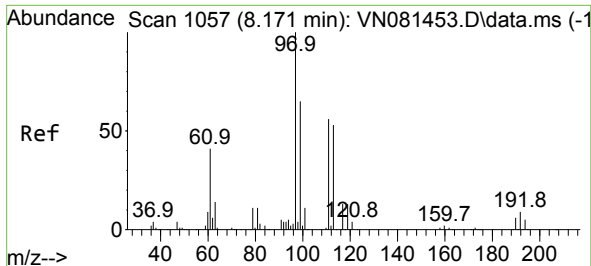
Ion Ratio Lower Upper

114 100

63 20.4 0.0 48.0

88 13.3 0.0 34.8





#35

Dibromofluoromethane

Concen: 52.424 ug/l

RT: 8.171 min Scan# 1057

Delta R.T. 0.000 min

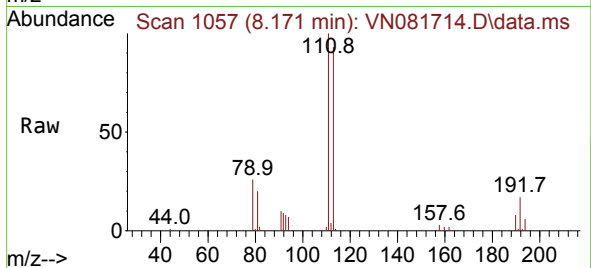
Lab File: VN081714.D

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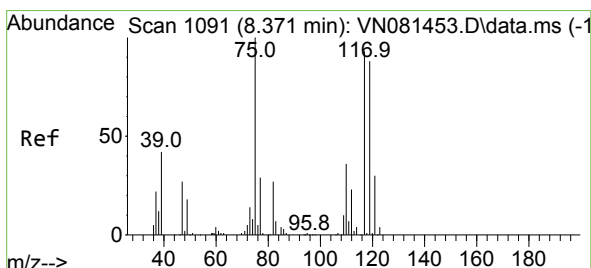
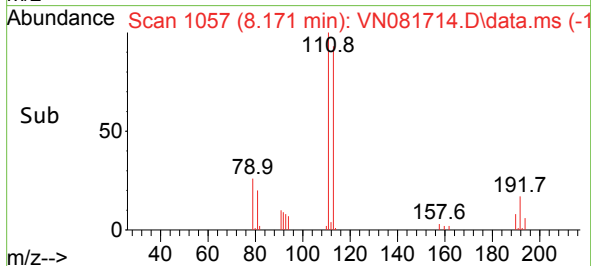
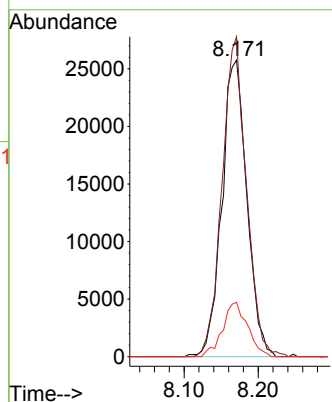
Tgt Ion:113 Resp: 60249

Ion Ratio Lower Upper

113 100

111 105.2 82.2 123.4

192 18.4 12.5 18.7



#36

1,1-Dichloropropene

Concen: 4.585 ug/l

RT: 8.230 min Scan# 1067

Delta R.T. -0.141 min

Lab File: VN081714.D

Acq: 12 Apr 2024 13:44

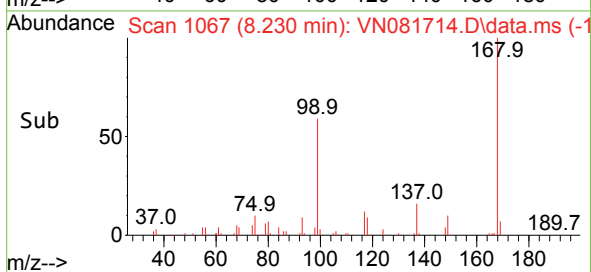
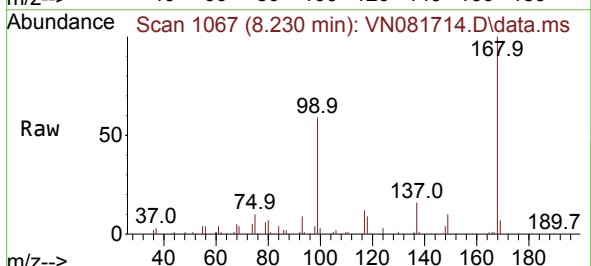
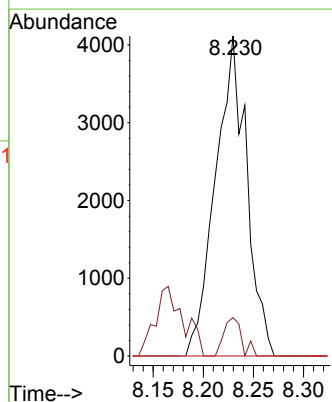
Tgt Ion: 75 Resp: 8868

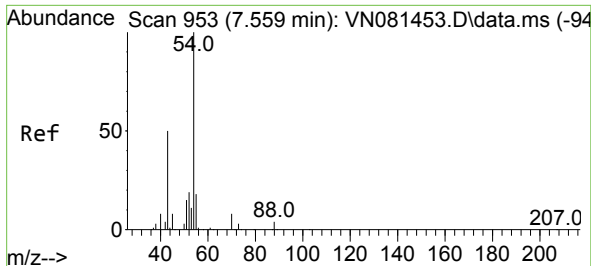
Ion Ratio Lower Upper

75 100

110 6.9 16.0 48.0#

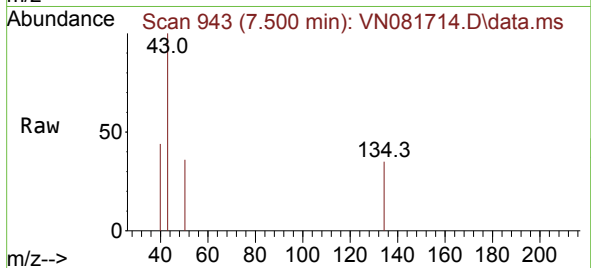
77 0.0 25.8 38.6#



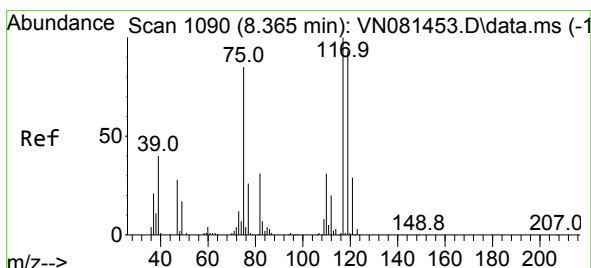
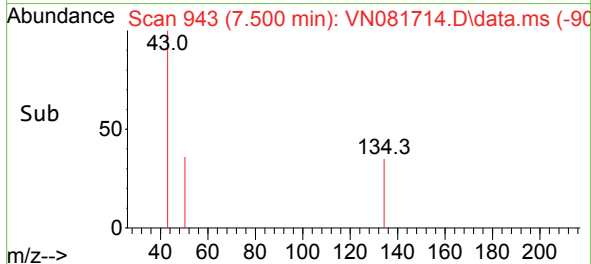
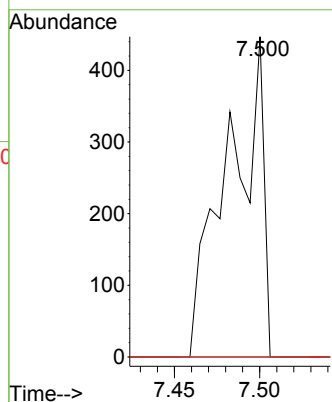


#37
Ethyl Acetate
Concen: 0.386 ug/l
RT: 7.500 min Scan# 94
Delta R.T. -0.059 min
Lab File: VN081714.D
Acq: 12 Apr 2024 13:44

Instrument :
MSVOA_N
ClientSampleId :

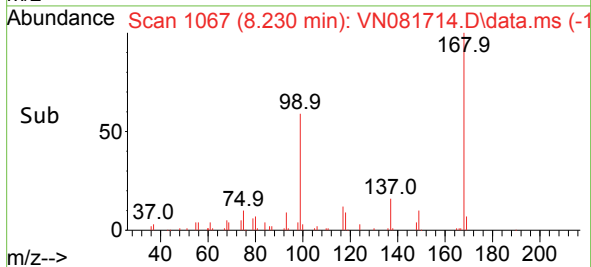
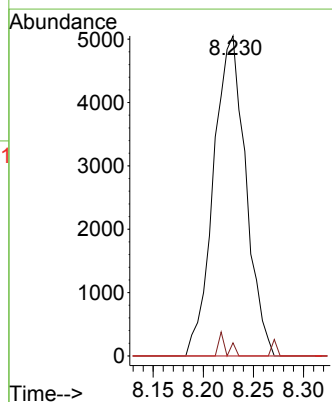
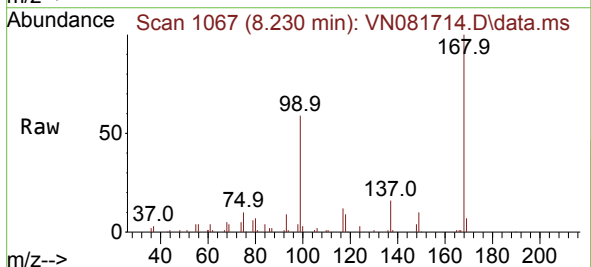


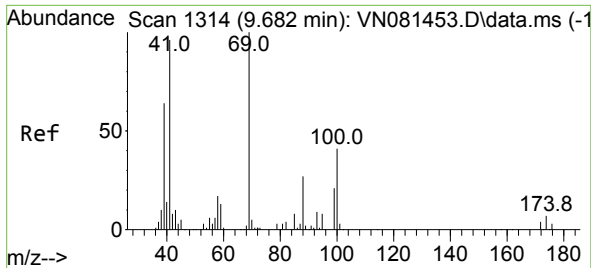
Tgt Ion: 43 Resp: 639
Ion Ratio Lower Upper
43 100
61 0.0 10.6 15.8#
70 0.0 8.0 12.0#



#38
Carbon Tetrachloride
Concen: 5.322 ug/l
RT: 8.230 min Scan# 1067
Delta R.T. -0.135 min
Lab File: VN081714.D
Acq: 12 Apr 2024 13:44

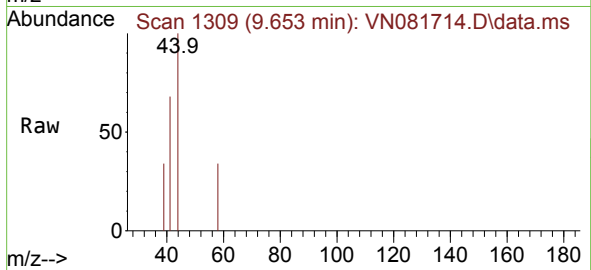
Tgt Ion: 117 Resp: 11276
Ion Ratio Lower Upper
117 100
119 4.1 73.4 110.2#
121 0.0 24.4 36.6#



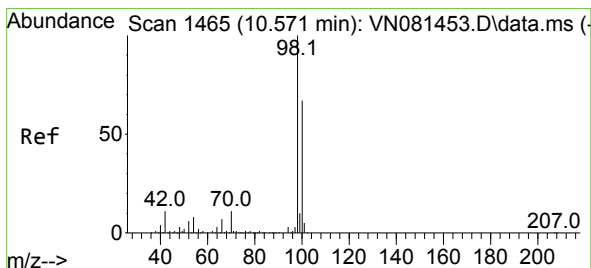
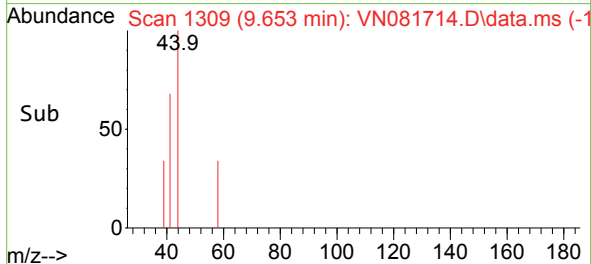
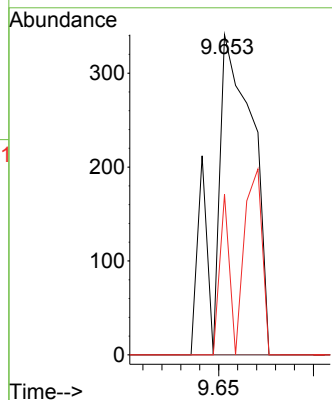


#48
Methyl methacrylate
Concen: 0.375 ug/l
RT: 9.653 min Scan# 11
Delta R.T. -0.029 min
Lab File: VN081714.D
Acq: 12 Apr 2024 13:44

Instrument :
MSVOA_N
ClientSampleId :

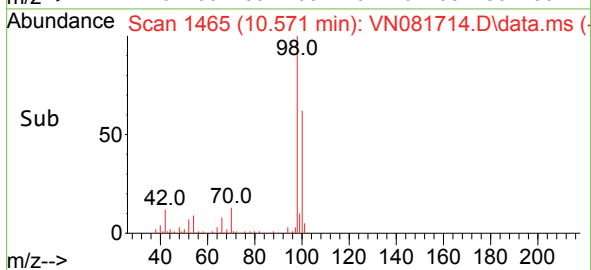
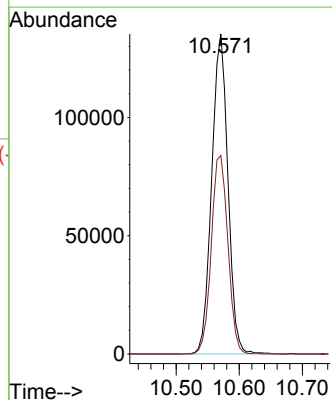
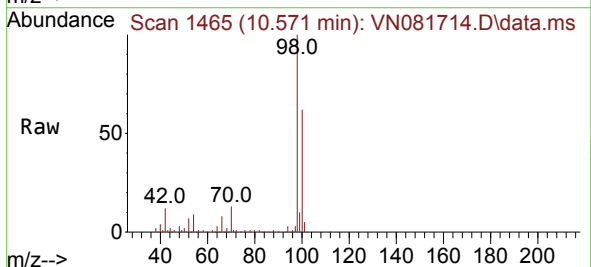


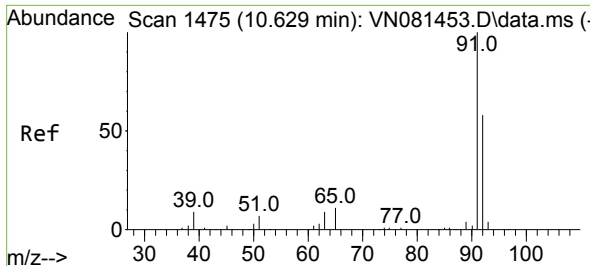
Tgt Ion: 41 Resp: 475
Ion Ratio Lower Upper
41 100
69 0.0 62.2 93.2#
39 39.6 47.6 71.4#



#50
Toluene-d8
Concen: 58.047 ug/l
RT: 10.571 min Scan# 1465
Delta R.T. 0.000 min
Lab File: VN081714.D
Acq: 12 Apr 2024 13:44

Tgt Ion: 98 Resp: 241156
Ion Ratio Lower Upper
98 100
100 63.4 51.4 77.0

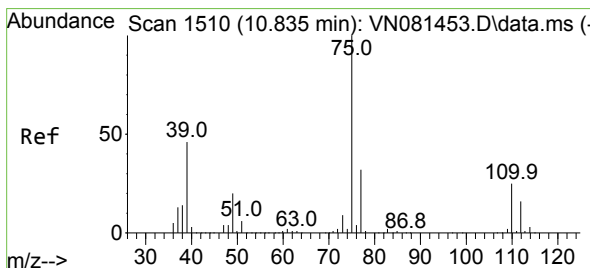
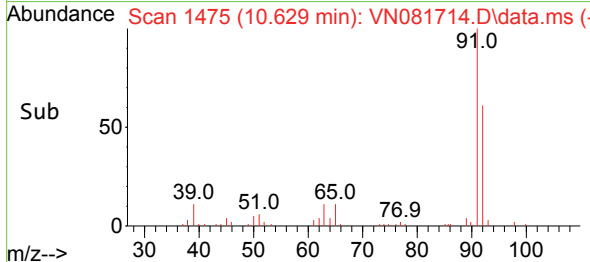
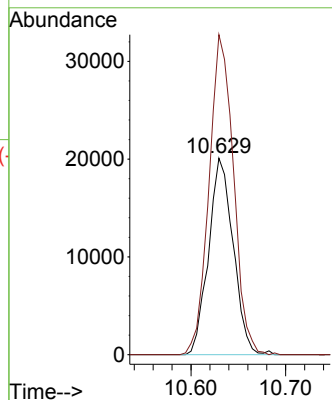
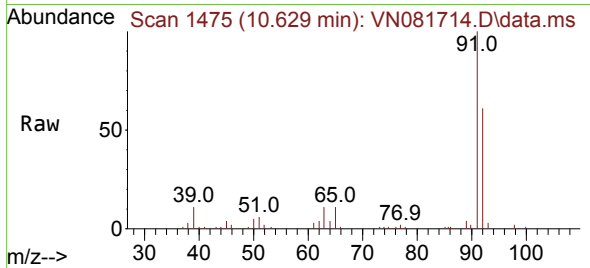




#52
Toluene
Concen: 10.125 ug/l
RT: 10.629 min Scan# 1475
Delta R.T. 0.000 min
Lab File: VN081714.D
Acq: 12 Apr 2024 13:44

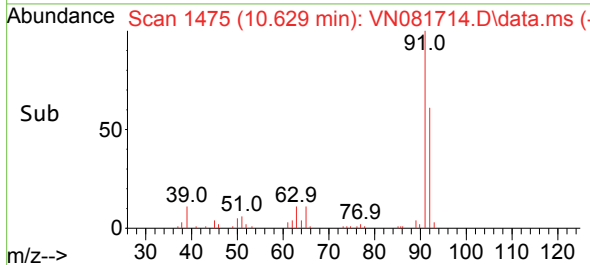
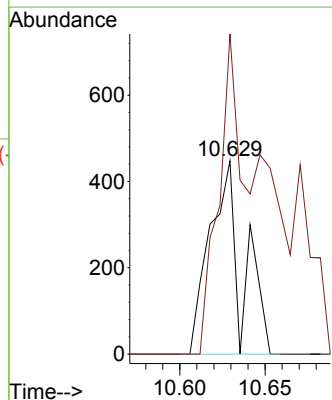
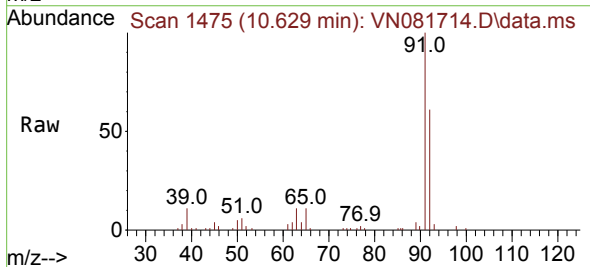
Instrument :
MSVOA_N
ClientSampleId :

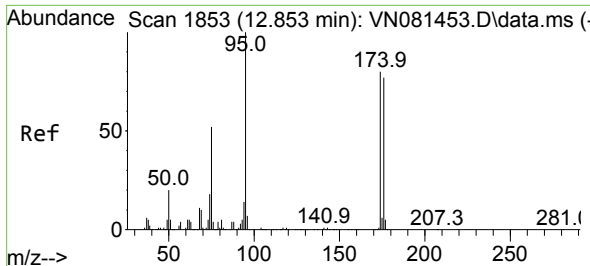
Tgt Ion: 92 Resp: 36390
Ion Ratio Lower Upper
92 100
91 161.8 139.4 209.0



#53
t-1,3-Dichloropropene
Concen: 0.272 ug/l
RT: 10.629 min Scan# 1475
Delta R.T. -0.206 min
Lab File: VN081714.D
Acq: 12 Apr 2024 13:44

Tgt Ion: 75 Resp: 597
Ion Ratio Lower Upper
75 100
77 165.6 25.5 38.3#

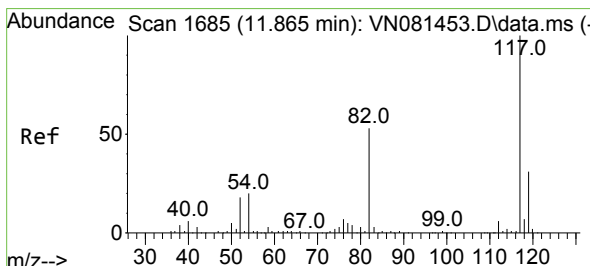
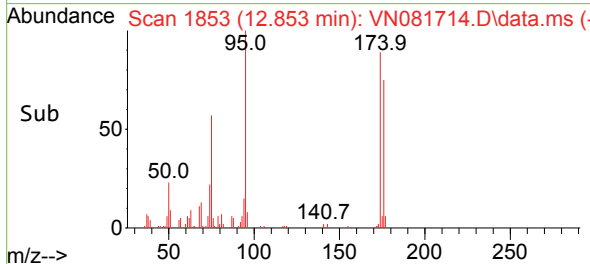
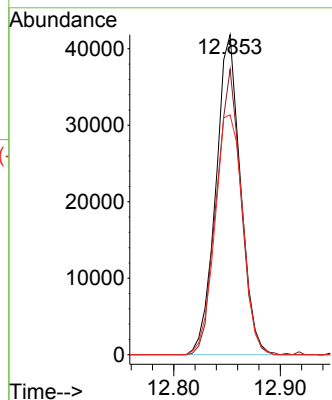
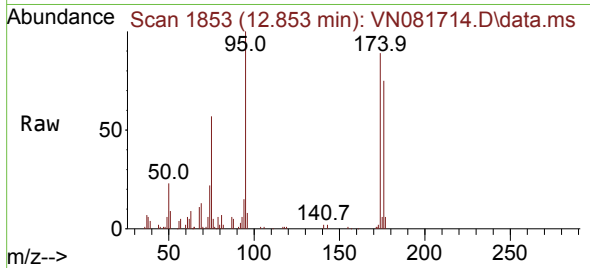




#62
4-Bromofluorobenzene
Concen: 45.861 ug/l
RT: 12.853 min Scan# 1853
Delta R.T. 0.000 min
Lab File: VN081714.D
Acq: 12 Apr 2024 13:44

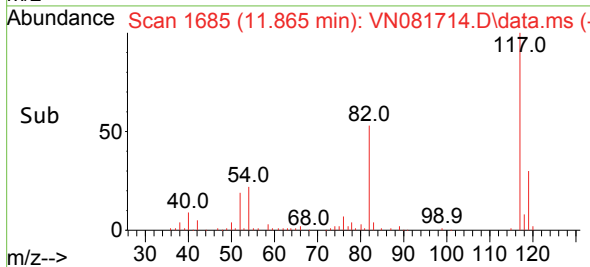
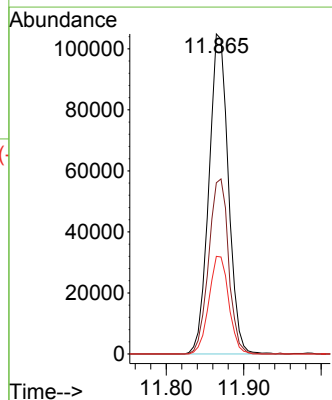
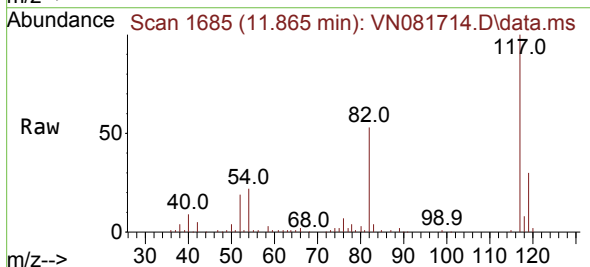
Instrument :
MSVOA_N
ClientSampleId :

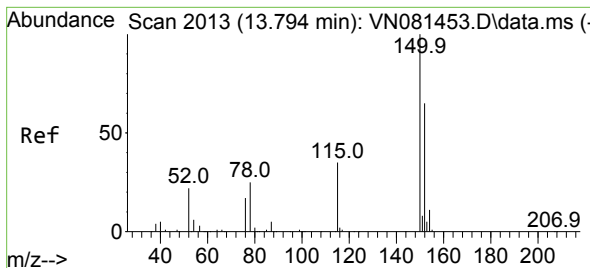
Tgt Ion: 95 Resp: 67134
Ion Ratio Lower Upper
95 100
174 88.5 0.0 120.4
176 84.6 0.0 121.0



#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.865 min Scan# 1685
Delta R.T. 0.000 min
Lab File: VN081714.D
Acq: 12 Apr 2024 13:44

Tgt Ion: 117 Resp: 182870
Ion Ratio Lower Upper
117 100
82 53.5 52.7 79.1
119 30.5 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

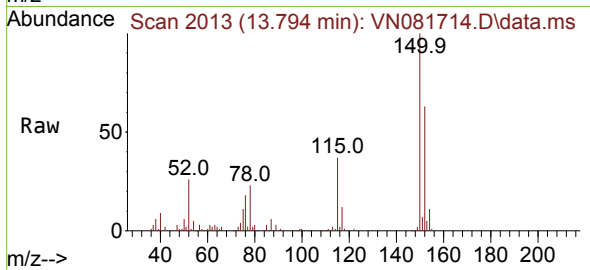
Lab File: VN081714.D

Acq: 12 Apr 2024 13:44

Instrument :

MSVOA_N

ClientSampleId :



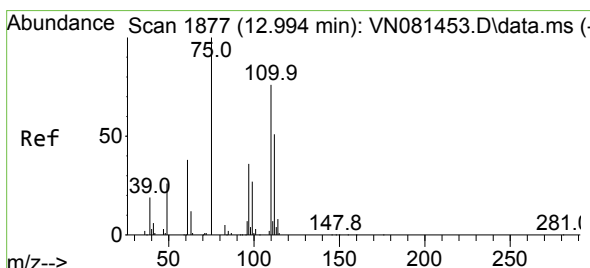
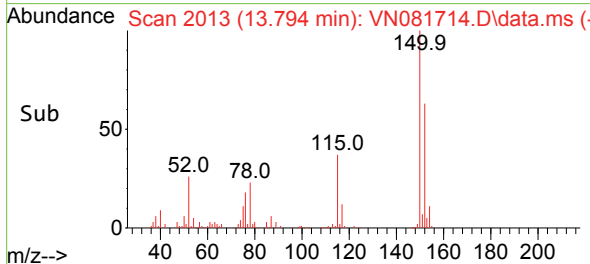
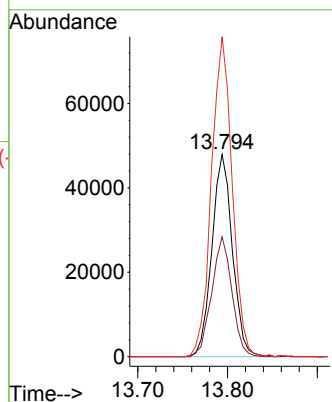
Tgt Ion:152 Resp: 76133

Ion Ratio Lower Upper

152 100

115 58.3 32.3 96.8

150 159.7 0.0 339.8



#76

1,2,3-Trichloropropane

Concen: 21.264 ug/l

RT: 12.853 min Scan# 1853

Delta R.T. -0.141 min

Lab File: VN081714.D

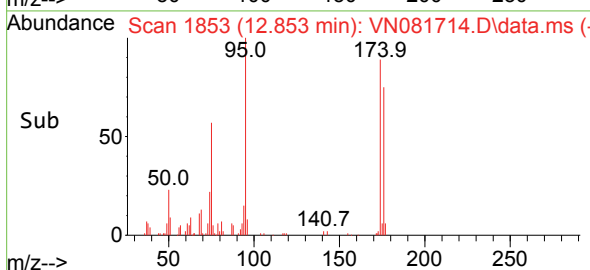
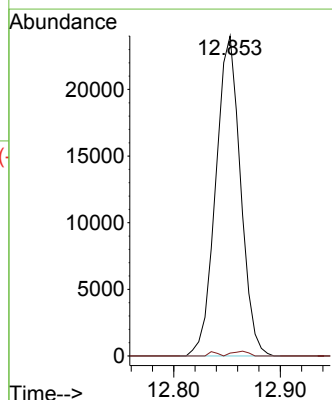
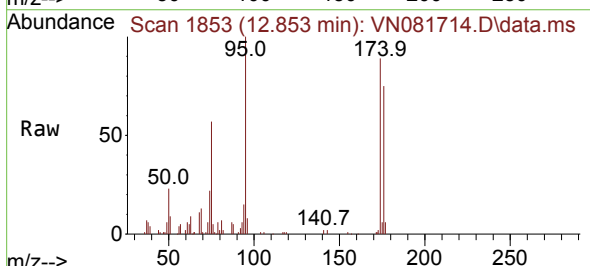
Acq: 12 Apr 2024 13:44

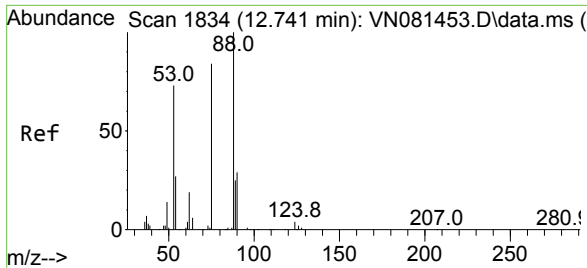
Tgt Ion: 75 Resp: 38724

Ion Ratio Lower Upper

75 100

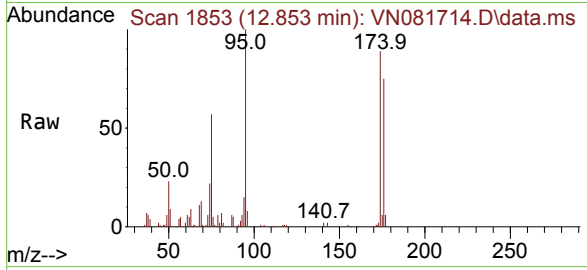
77 1.0 91.0 272.8#





#81
 trans-1,4-Dichloro-2-butene
 Concen: 57.461 ug/l
 RT: 12.853 min Scan# 11
 Delta R.T. 0.112 min
 Lab File: VN081714.D
 Acq: 12 Apr 2024 13:44

Instrument :
 MSVOA_N
 ClientSampleId :



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

