

Data Path : Z:\voasrv\HPCHEM1\MSVOA_N\Data\VN022724\
 Data File : VN081224.D
 Acq On : 27 Feb 2024 17:11
 Operator : JC\MD
 Sample : P1590-19 10X
 Misc : 5.0mL/MSVOA_N/WATER
 ALS Vial : 18 Sample Multiplier: 1

Instrument :
 MSVOA_N
 ClientSampleId :
 DUP09-20240222

Quant Time: Feb 28 04:21:25 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)

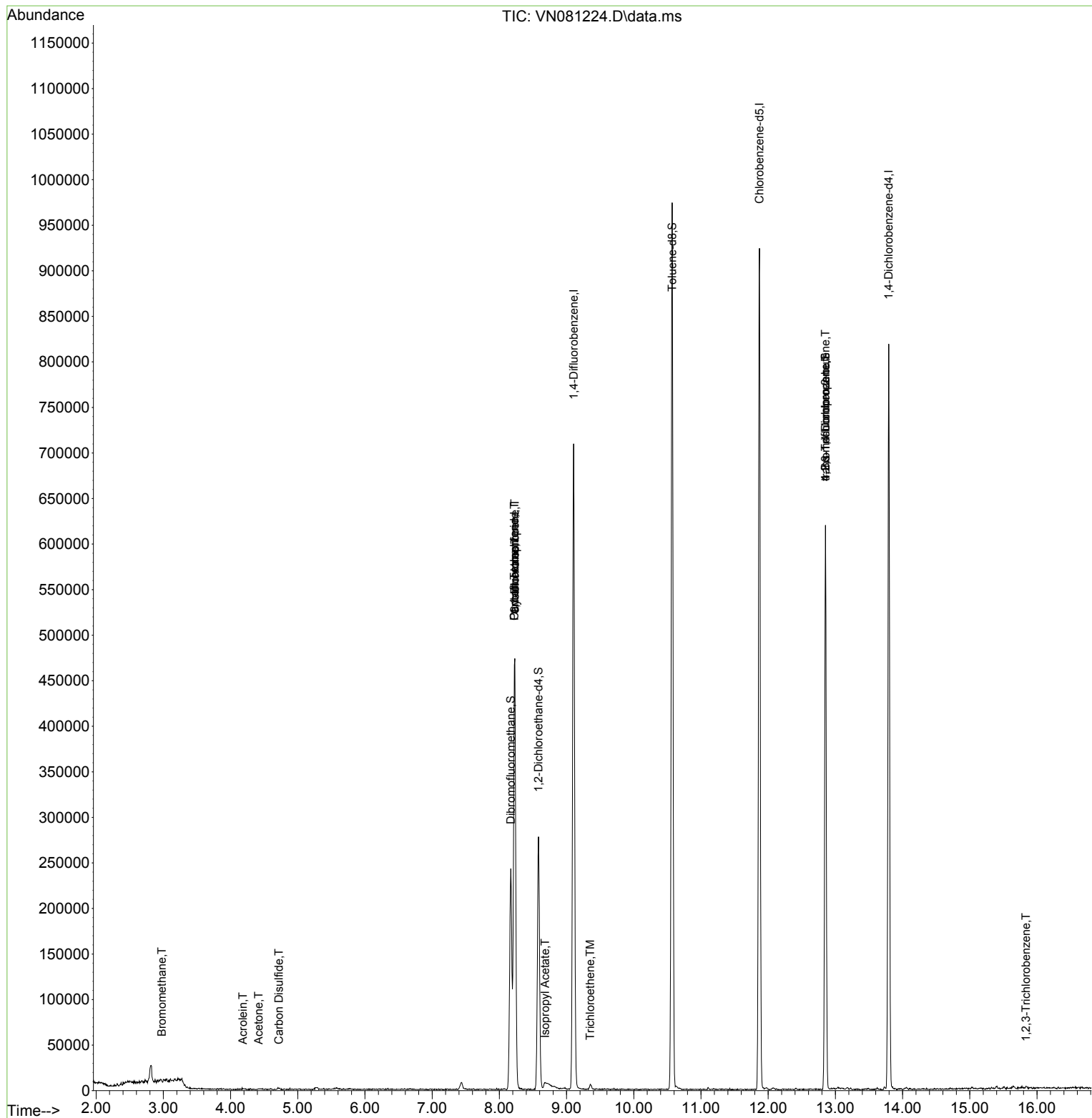
Internal Standards						
1) Pentafluorobenzene	8.224	168	323034	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	9.106	114	598517	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.870	117	527286	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.794	152	201103	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.582	65	217909	55.035	ug/l	0.00
Spiked Amount	50.000	Range	74 - 125	Recovery	= 110.060%	
35) Dibromofluoromethane	8.171	113	171383	50.639	ug/l	0.00
Spiked Amount	50.000	Range	75 - 124	Recovery	= 101.280%	
50) Toluene-d8	10.570	98	656546	54.618	ug/l	0.00
Spiked Amount	50.000	Range	86 - 113	Recovery	= 109.240%	
62) 4-Bromofluorobenzene	12.853	95	210090	46.513	ug/l	0.00
Spiked Amount	50.000	Range	83 - 123	Recovery	= 93.020%	
Target Compounds						
					Qvalue	
3) Chloromethane	2.371	50	838	Below Cal	#	84
5) Bromomethane	2.977	94	1307	0.397	ug/l #	39
6) Chloroethane	3.100	64	255	Below Cal	#	42
13) Acrolein	4.183	56	515	1.320	ug/l #	76
16) Acetone	4.418	43	494	0.317	ug/l #	44
17) Carbon Disulfide	4.718	76	2172	0.213	ug/l #	78
20) Methylene Chloride	5.271	84	1417	Below Cal	#	83
31) Cyclohexane	8.229	56	8503	1.244	ug/l #	1
36) 1,1-Dichloropropene	8.229	75	30748	5.303	ug/l #	52
38) Carbon Tetrachloride	8.224	117	38015	6.480	ug/l #	19
43) Isopropyl Acetate	8.682	43	7448	0.814	ug/l #	57
44) Trichloroethene	9.353	130	1934	0.433	ug/l	99
76) 1,2,3-Trichloropropane	12.853	75	112475	24.616	ug/l #	1
81) trans-1,4-Dichloro-2-b...	12.853	75	112475	63.359	ug/l #	14
96) 1,2,3-Trichlorobenzene	15.835	180	849	0.215	ug/l #	52

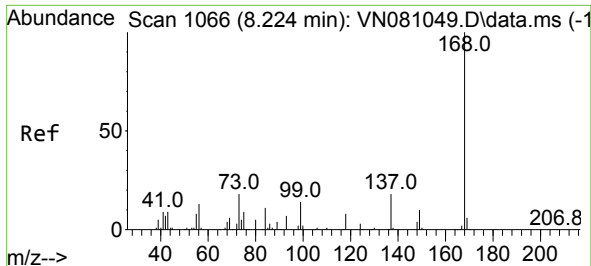
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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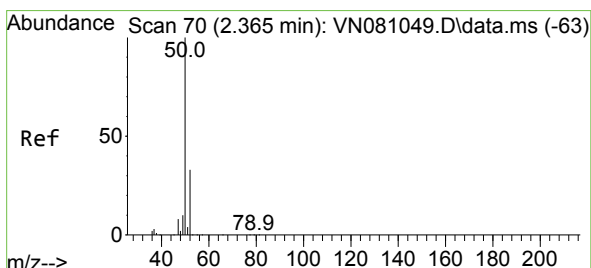
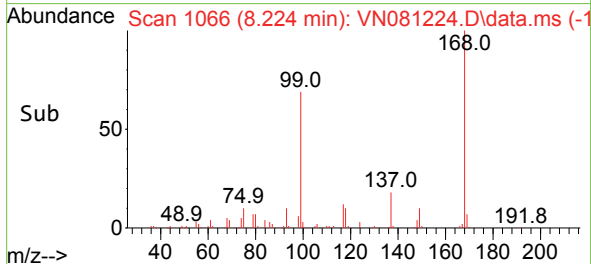
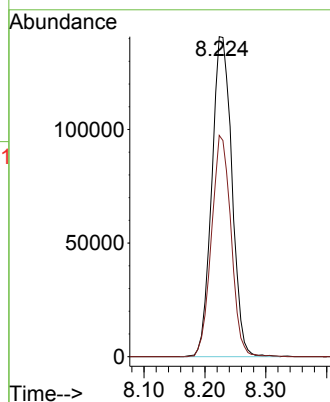
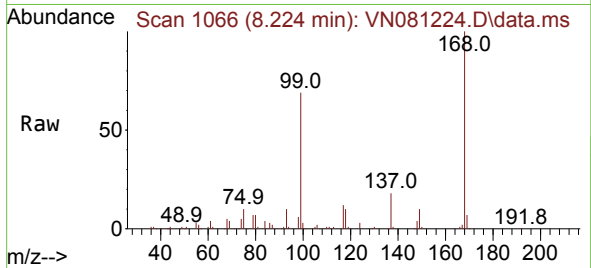




#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 8.224 min Scan# 1066
Delta R.T. -0.000 min
Lab File: VN081224.D
Acq: 27 Feb 2024 17:11

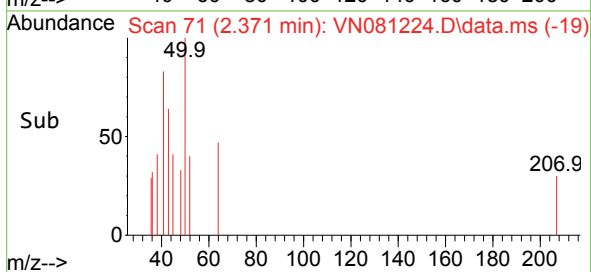
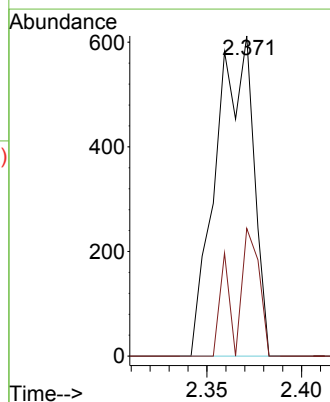
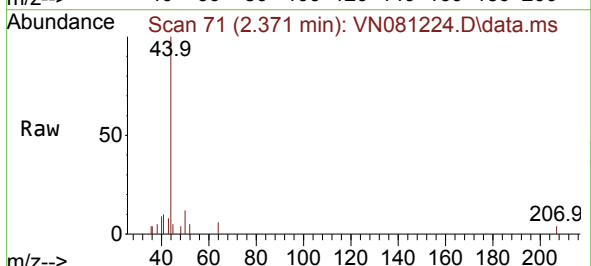
Instrument :
MSVOA_N
ClientSampleId :
DUP09-20240222

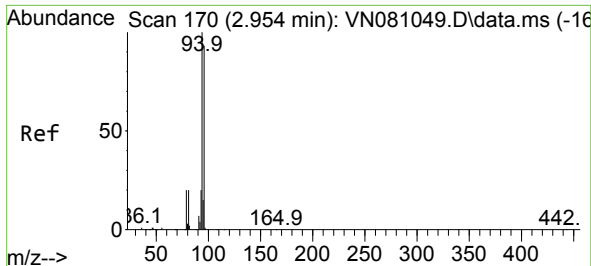
Tgt Ion:168 Resp: 323034
Ion Ratio Lower Upper
168 100
99 69.1 59.9 89.9



#3
Chloromethane
Concen: Below Cal
RT: 2.371 min Scan# 71
Delta R.T. 0.006 min
Lab File: VN081224.D
Acq: 27 Feb 2024 17:11

Tgt Ion: 50 Resp: 838
Ion Ratio Lower Upper
50 100
52 39.9 25.0 37.4#

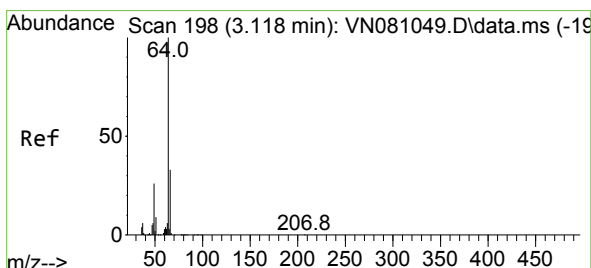
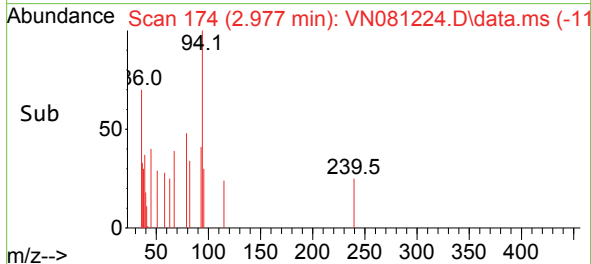
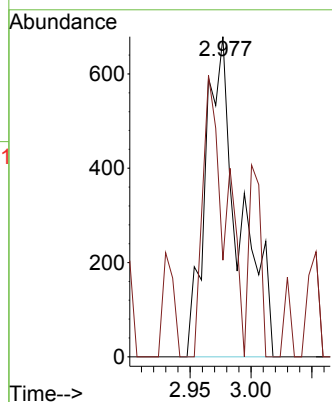
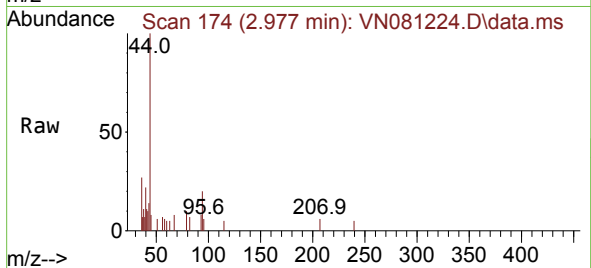




#5
Bromomethane
Concen: 0.397 ug/l
RT: 2.977 min Scan# 11
Delta R.T. 0.023 min
Lab File: VN081224.D
Acq: 27 Feb 2024 17:11

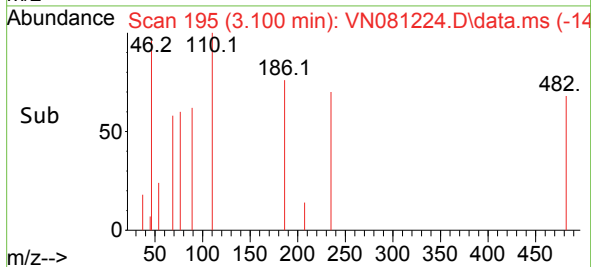
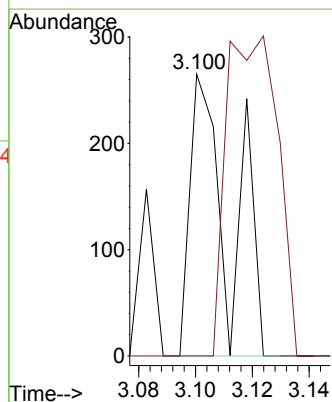
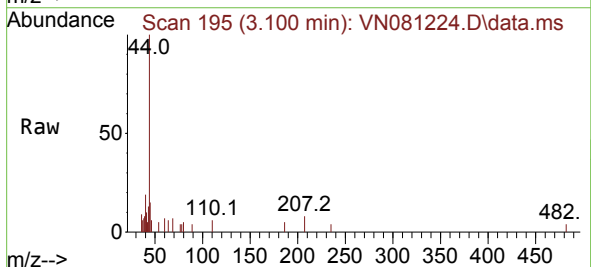
Instrument :
MSVOA_N
ClientSampleId :
DUP09-20240222

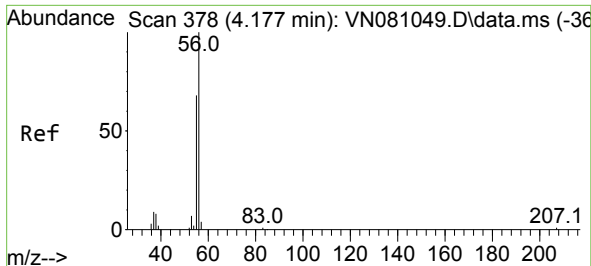
Tgt Ion: 94 Resp: 1307
Ion Ratio Lower Upper
94 100
96 30.2 69.2 103.8#



#6
Chloroethane
Concen: Below Cal
RT: 3.100 min Scan# 195
Delta R.T. -0.018 min
Lab File: VN081224.D
Acq: 27 Feb 2024 17:11

Tgt Ion: 64 Resp: 255
Ion Ratio Lower Upper
64 100
66 0.0 26.4 39.6#

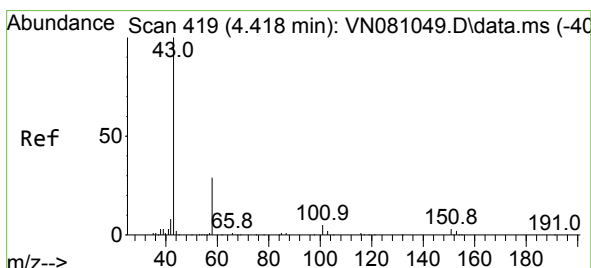
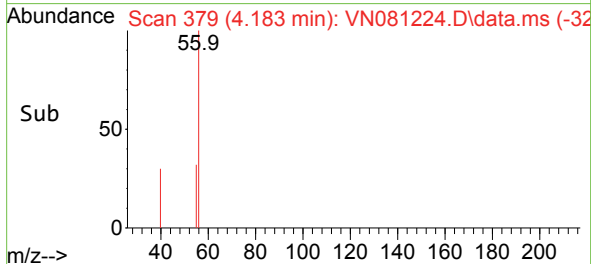
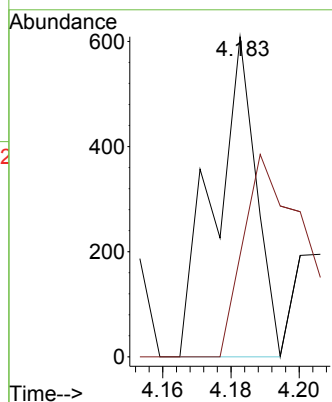
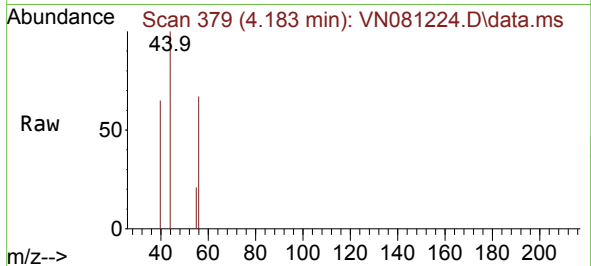




#13
Acrolein
Concen: 1.320 ug/l
RT: 4.183 min Scan# 313
Delta R.T. 0.006 min
Lab File: VN081224.D
Acq: 27 Feb 2024 17:11

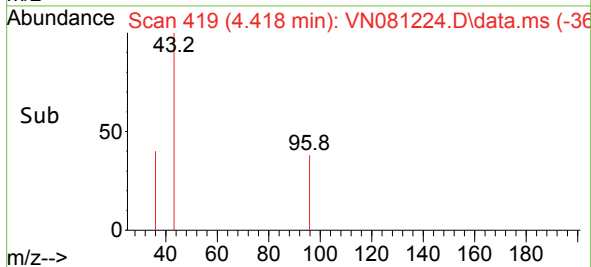
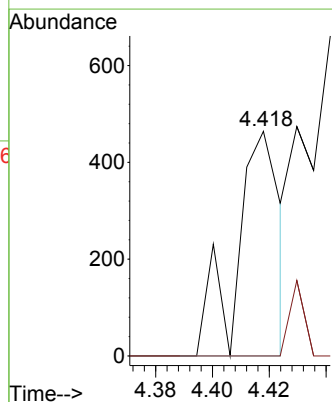
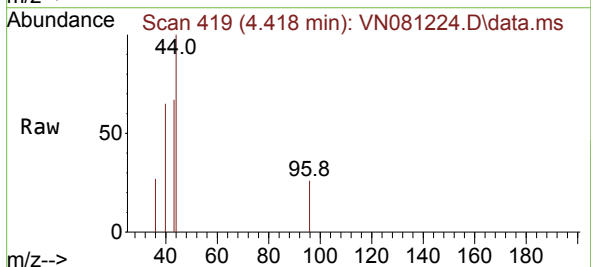
Instrument :
MSVOA_N
ClientSampleId :
DUP09-20240222

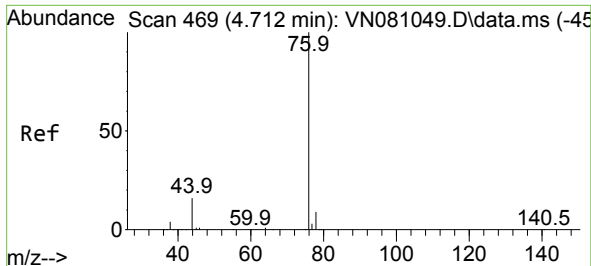
Tgt Ion: 56 Resp: 515
Ion Ratio Lower Upper
56 100
55 88.5 55.3 82.9#



#16
Acetone
Concen: 0.317 ug/l
RT: 4.418 min Scan# 419
Delta R.T. -0.000 min
Lab File: VN081224.D
Acq: 27 Feb 2024 17:11

Tgt Ion: 43 Resp: 494
Ion Ratio Lower Upper
43 100
58 0.0 24.8 37.2#

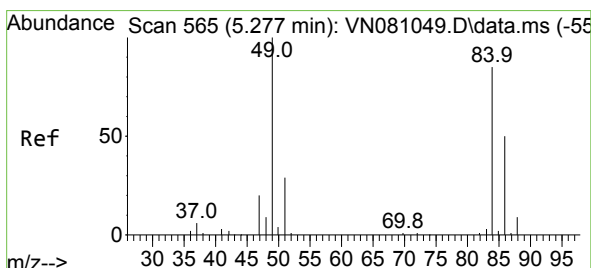
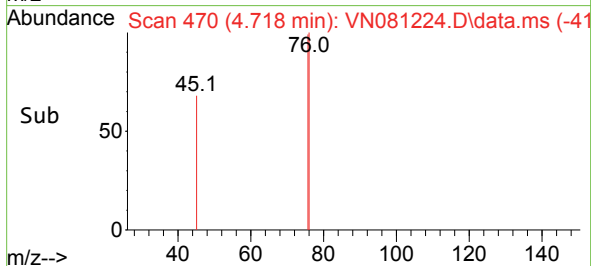
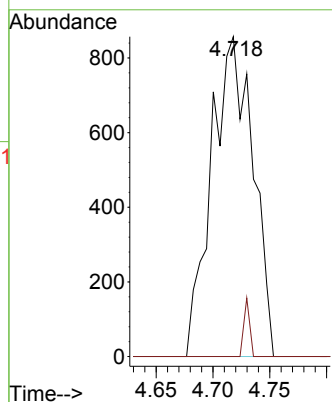
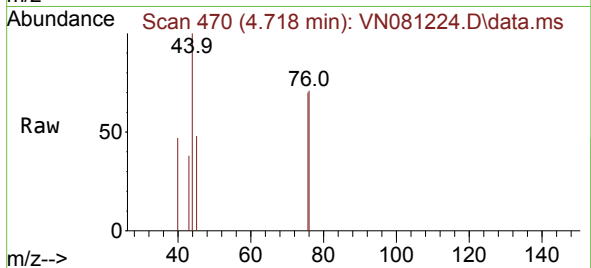




#17
Carbon Disulfide
Concen: 0.213 ug/l
RT: 4.718 min Scan# 41
Delta R.T. 0.006 min
Lab File: VN081224.D
Acq: 27 Feb 2024 17:11

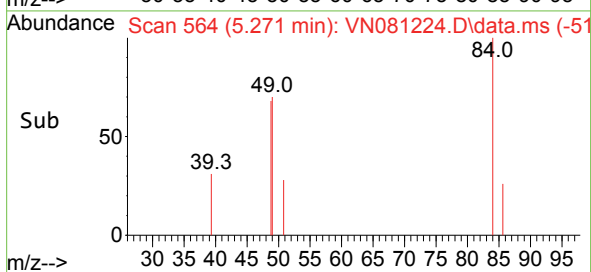
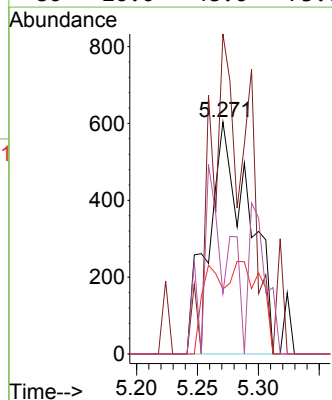
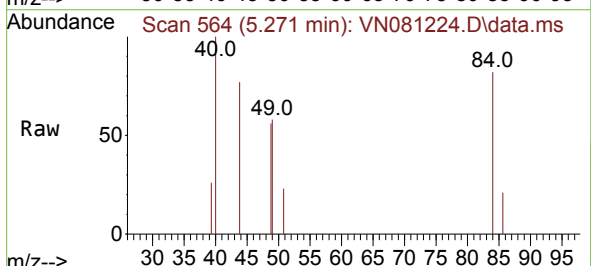
Instrument :
MSVOA_N
ClientSampleId :
DUP09-20240222

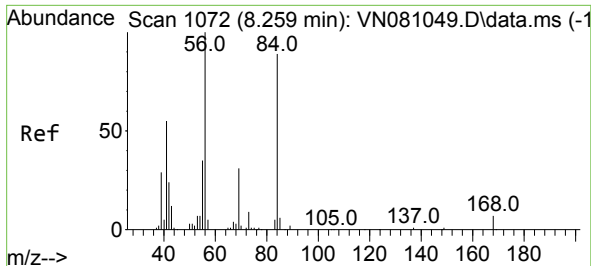
Tgt Ion: 76 Resp: 2172
Ion Ratio Lower Upper
76 100
78 0.0 6.3 9.5#



#20
Methylene Chloride
Concen: Below Cal
RT: 5.271 min Scan# 564
Delta R.T. -0.006 min
Lab File: VN081224.D
Acq: 27 Feb 2024 17:11

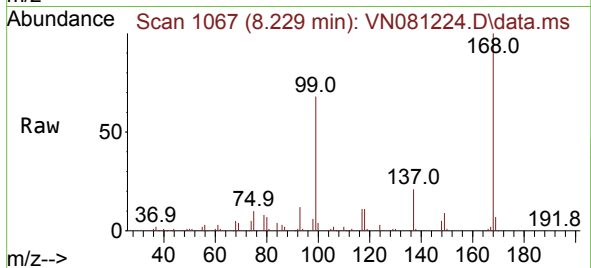
Tgt Ion: 84 Resp: 1417
Ion Ratio Lower Upper
84 100
49 137.9 108.1 162.1
51 28.0 32.9 49.3#
86 26.0 48.6 73.0#



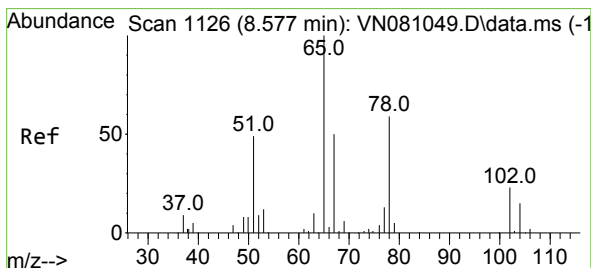
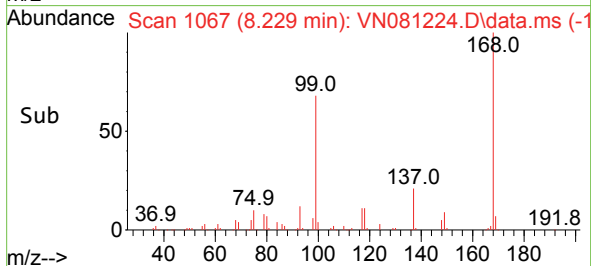
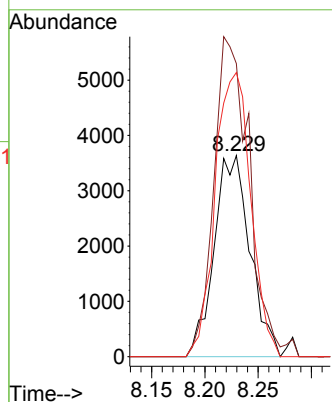


#31
Cyclohexane
Concen: 1.244 ug/l
RT: 8.229 min Scan# 1067
Delta R.T. -0.030 min
Lab File: VN081224.D
Acq: 27 Feb 2024 17:11

Instrument :
MSVOA_N
ClientSampleId :
DUP09-20240222

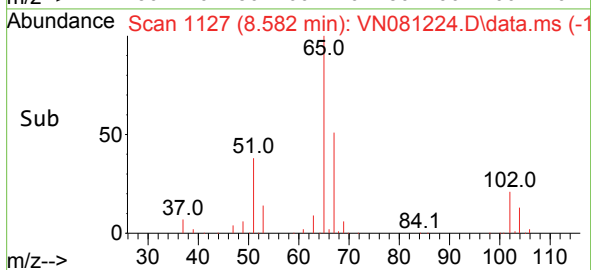
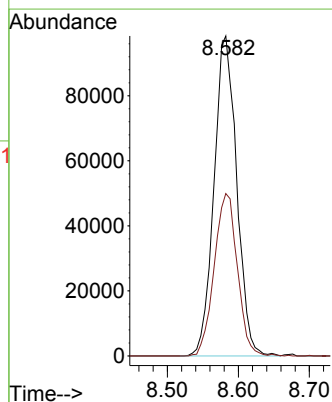
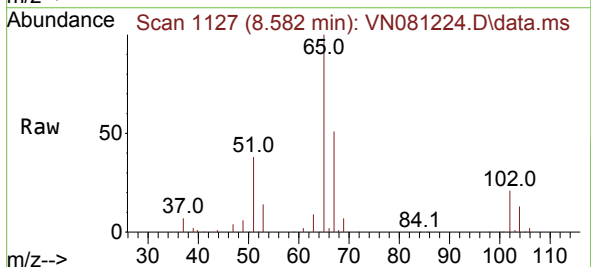


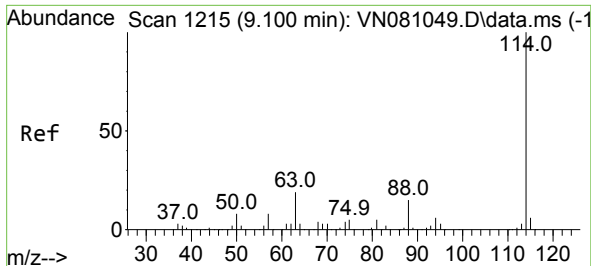
Tgt Ion: 56 Resp: 8503
Ion Ratio Lower Upper
56 100
69 145.8 20.1 30.1#
84 141.3 56.9 85.3#



#33
1,2-Dichloroethane-d4
Concen: 55.035 ug/l
RT: 8.582 min Scan# 1127
Delta R.T. 0.006 min
Lab File: VN081224.D
Acq: 27 Feb 2024 17:11

Tgt Ion: 65 Resp: 217909
Ion Ratio Lower Upper
65 100
67 51.6 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: VN081224.D

Acq: 27 Feb 2024 17:11

Instrument :

MSVOA_N

ClientSampleId :

DUP09-20240222

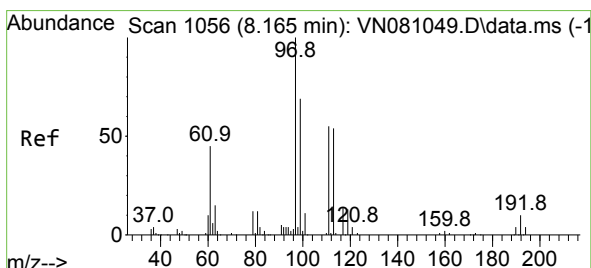
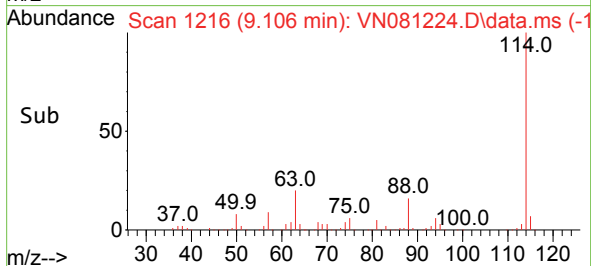
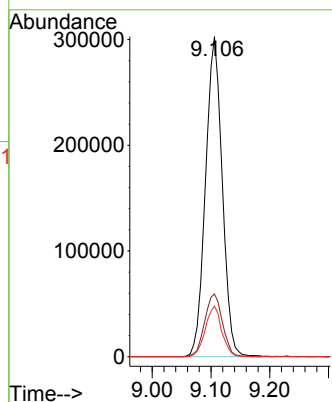
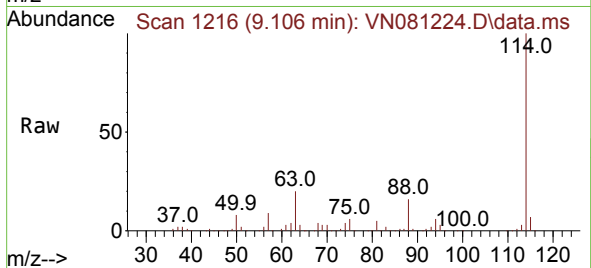
Tgt Ion:114 Resp: 598517

Ion Ratio Lower Upper

114 100

63 19.6 0.0 48.0

88 15.8 0.0 34.8



#35

Dibromofluoromethane

Concen: 50.639 ug/l

RT: 8.171 min Scan# 1057

Delta R.T. 0.006 min

Lab File: VN081224.D

Acq: 27 Feb 2024 17:11

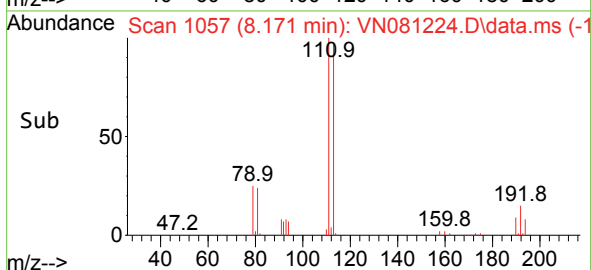
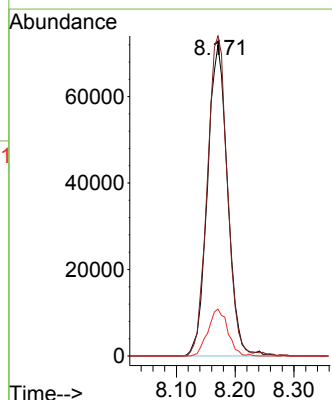
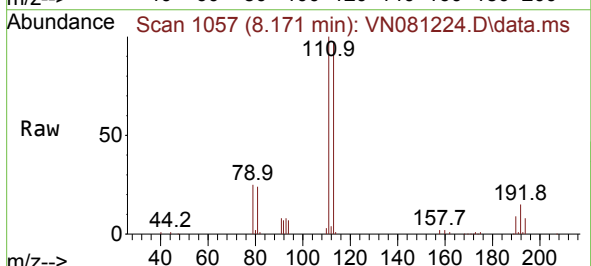
Tgt Ion:113 Resp: 171383

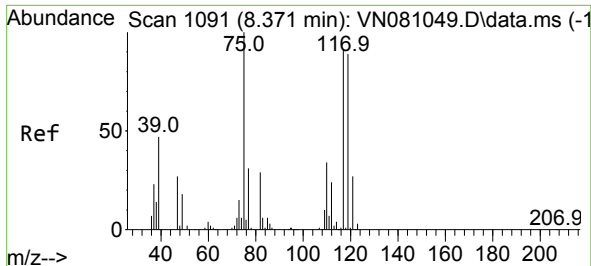
Ion Ratio Lower Upper

113 100

111 103.2 82.2 123.4

192 14.8 12.5 18.7





#36

1,1-Dichloropropene

Concen: 5.303 ug/l

RT: 8.229 min Scan# 1067

Delta R.T. -0.141 min

Lab File: VN081224.D

Acq: 27 Feb 2024 17:11

Instrument :

MSVOA_N

ClientSampleId :

DUP09-20240222

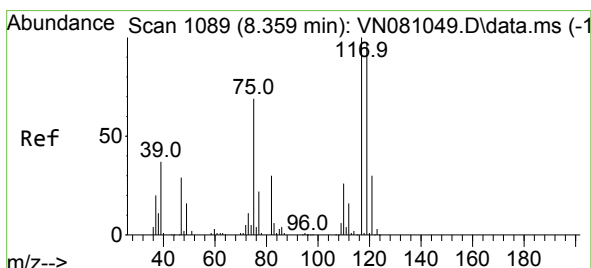
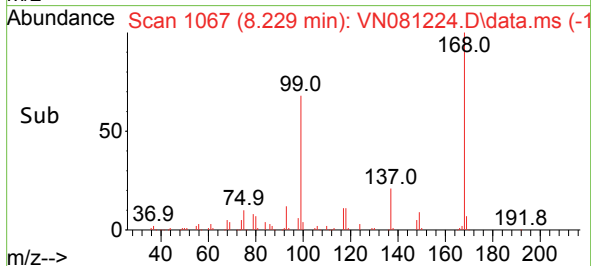
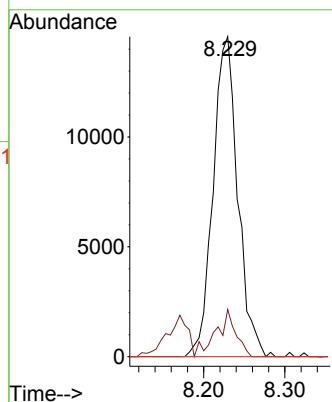
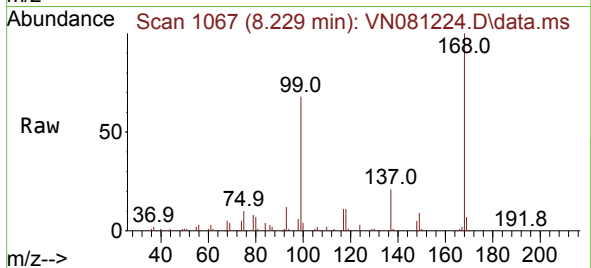
Tgt Ion: 75 Resp: 30748

Ion Ratio Lower Upper

75 100

110 10.7 16.0 48.0#

77 0.0 25.8 38.6#



#38

Carbon Tetrachloride

Concen: 6.480 ug/l

RT: 8.224 min Scan# 1066

Delta R.T. -0.136 min

Lab File: VN081224.D

Acq: 27 Feb 2024 17:11

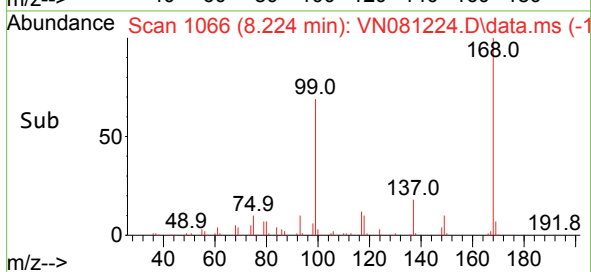
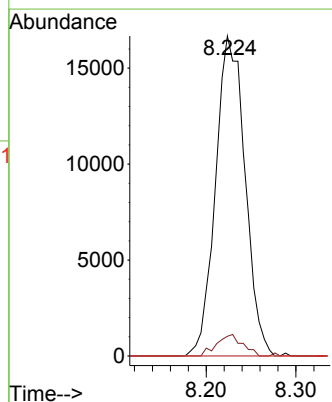
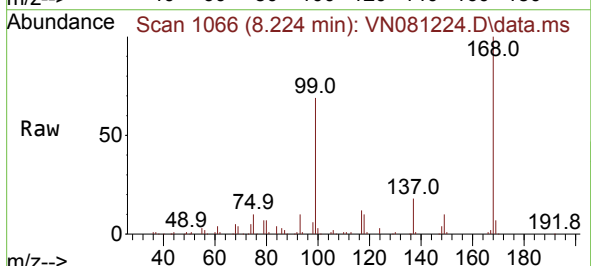
Tgt Ion: 117 Resp: 38015

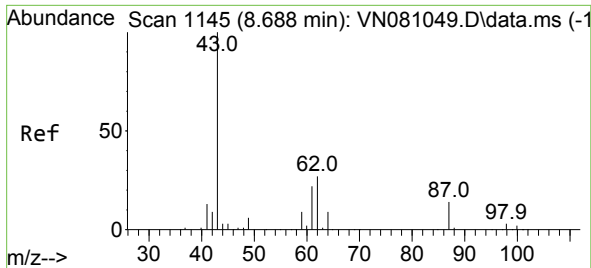
Ion Ratio Lower Upper

117 100

119 6.1 73.4 110.2#

121 0.0 24.4 36.6#

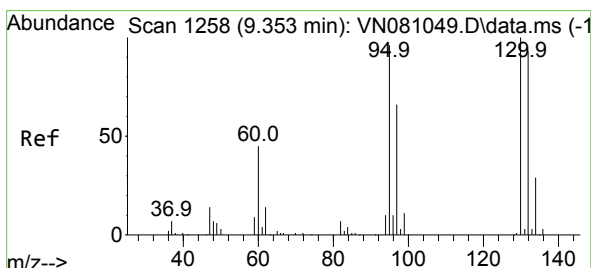
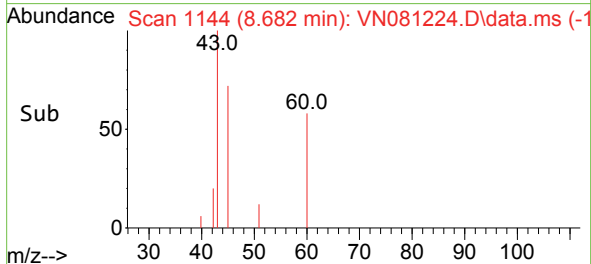
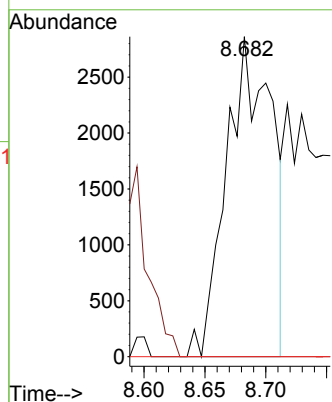
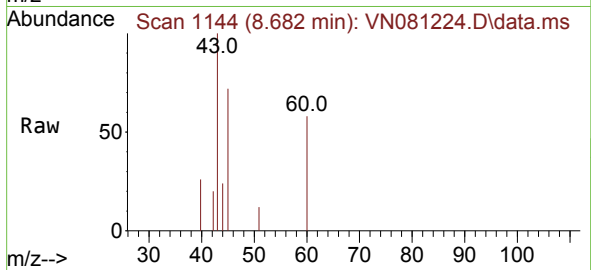




#43
Isopropyl Acetate
Concen: 0.814 ug/l
RT: 8.682 min Scan# 1144
Delta R.T. -0.006 min
Lab File: VN081224.D
Acq: 27 Feb 2024 17:11

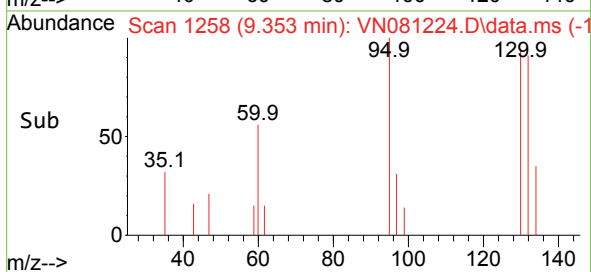
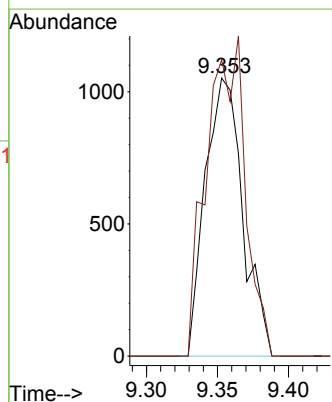
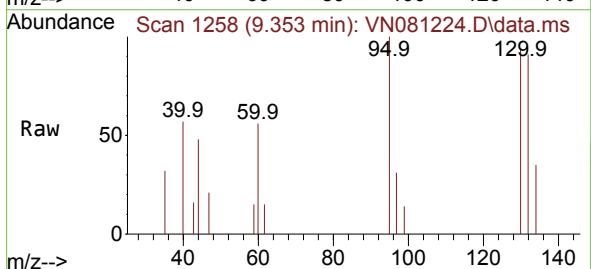
Instrument :
MSVOA_N
ClientSampleId :
DUP09-20240222

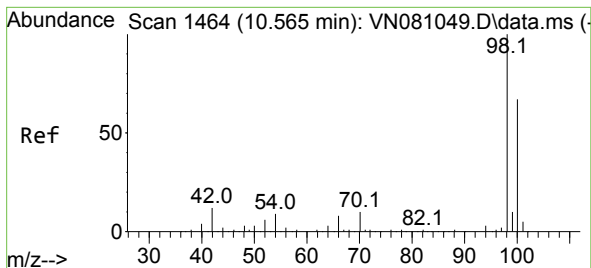
Tgt Ion: 43 Resp: 7448
Ion Ratio Lower Upper
43 100
61 0.0 19.9 29.9#
87 0.0 9.0 13.6#



#44
Trichloroethene
Concen: 0.433 ug/l
RT: 9.353 min Scan# 1258
Delta R.T. -0.000 min
Lab File: VN081224.D
Acq: 27 Feb 2024 17:11

Tgt Ion:130 Resp: 1934
Ion Ratio Lower Upper
130 100
95 106.6 0.0 210.4





#50

Toluene-d8

Concen: 54.618 ug/l

RT: 10.570 min Scan# 1465

Delta R.T. 0.006 min

Lab File: VN081224.D

Acq: 27 Feb 2024 17:11

Instrument :

MSVOA_N

ClientSampleId :

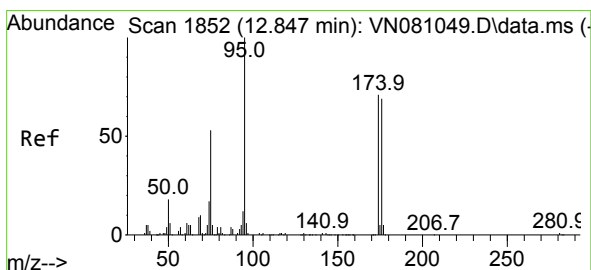
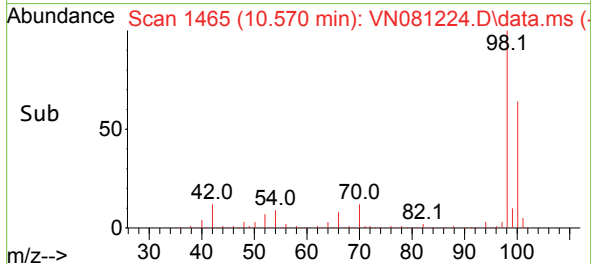
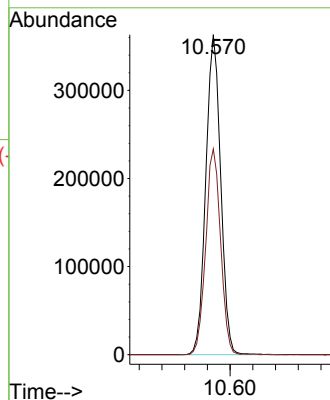
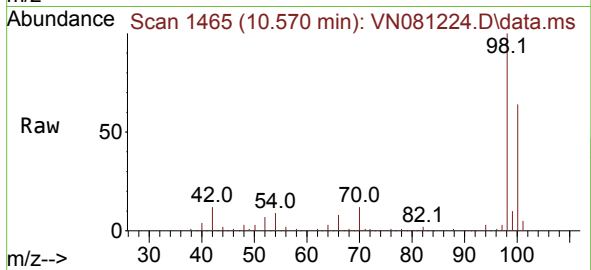
DUP09-20240222

Tgt Ion: 98 Resp: 656546

Ion Ratio Lower Upper

98 100

100 64.4 51.4 77.0



#62

4-Bromofluorobenzene

Concen: 46.513 ug/l

RT: 12.853 min Scan# 1853

Delta R.T. 0.006 min

Lab File: VN081224.D

Acq: 27 Feb 2024 17:11

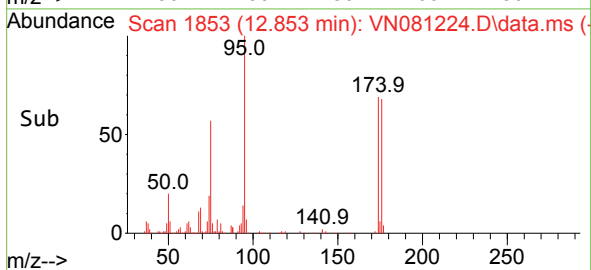
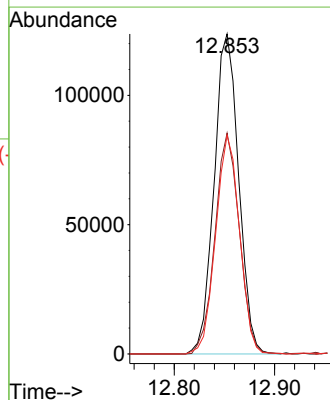
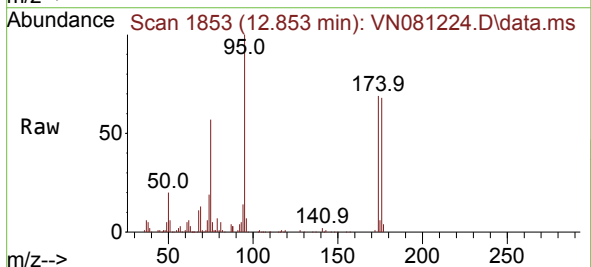
Tgt Ion: 95 Resp: 210090

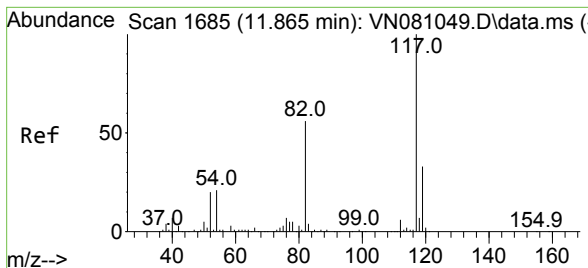
Ion Ratio Lower Upper

95 100

174 68.4 0.0 120.4

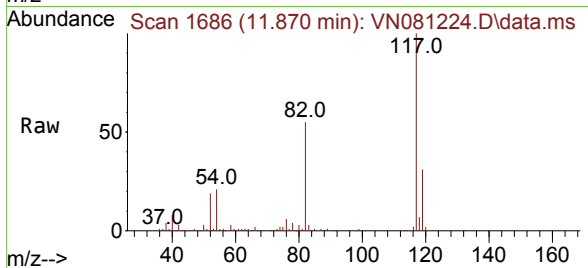
176 66.6 0.0 121.0



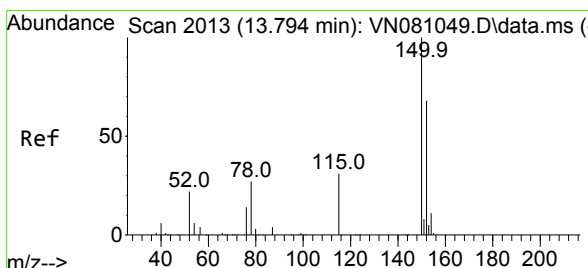
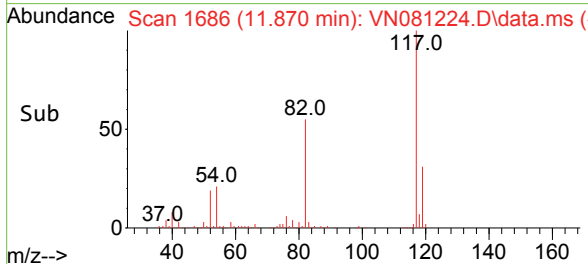
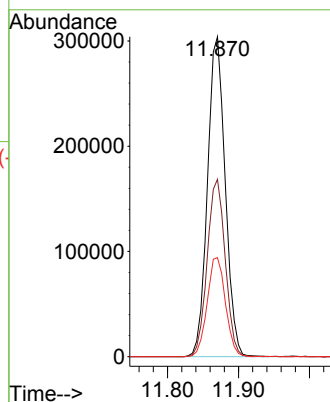


#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.870 min Scan# 1170
Delta R.T. 0.006 min
Lab File: VN081224.D
Acq: 27 Feb 2024 17:11

Instrument :
MSVOA_N
ClientSampleId :
DUP09-20240222

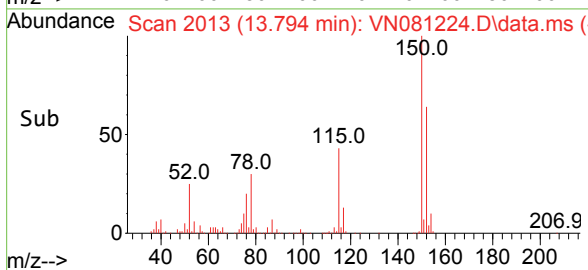
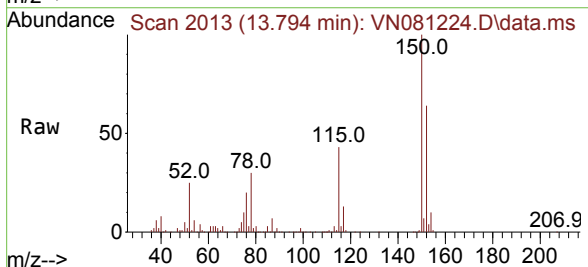
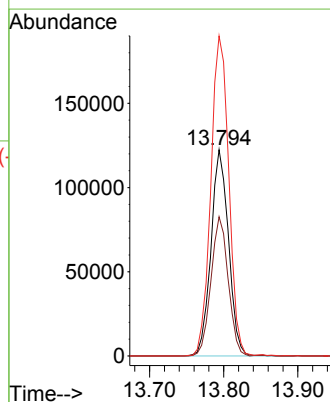


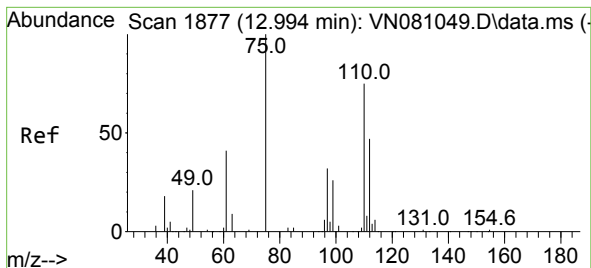
Tgt Ion:117 Resp: 527286
Ion Ratio Lower Upper
117 100
82 55.5 52.7 79.1
119 30.9 25.3 37.9



#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 13.794 min Scan# 2013
Delta R.T. -0.000 min
Lab File: VN081224.D
Acq: 27 Feb 2024 17:11

Tgt Ion:152 Resp: 201103
Ion Ratio Lower Upper
152 100
115 66.3 32.3 96.8
150 158.6 0.0 339.8





#76

1,2,3-Trichloropropane

Concen: 24.616 ug/l

RT: 12.853 min Scan# 1853

Delta R.T. -0.141 min

Lab File: VN081224.D

Acq: 27 Feb 2024 17:11

Instrument :

MSVOA_N

ClientSampleId :

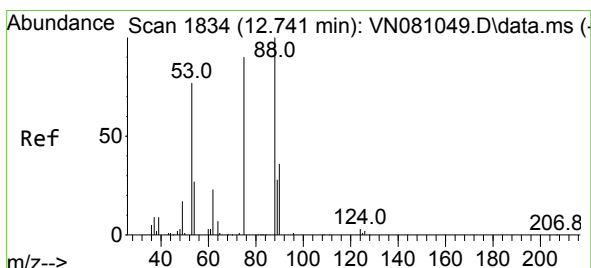
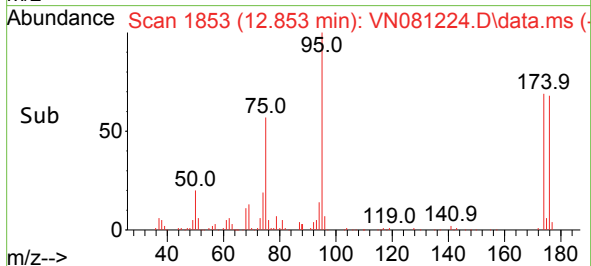
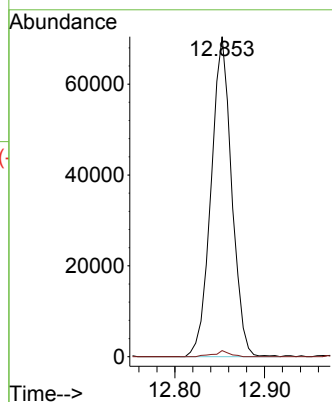
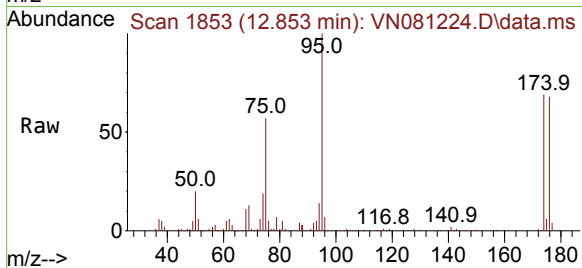
DUP09-20240222

Tgt Ion: 75 Resp: 112475

Ion Ratio Lower Upper

75 100

77 1.4 91.0 272.8#



#81

trans-1,4-Dichloro-2-butene

Concen: 63.359 ug/l

RT: 12.853 min Scan# 1853

Delta R.T. 0.112 min

Lab File: VN081224.D

Acq: 27 Feb 2024 17:11

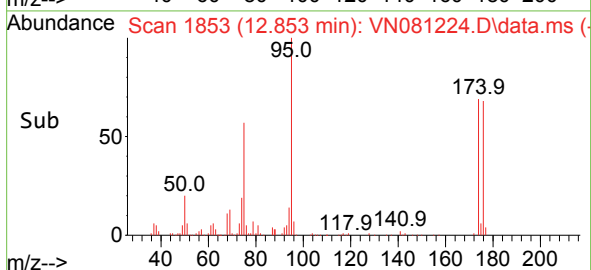
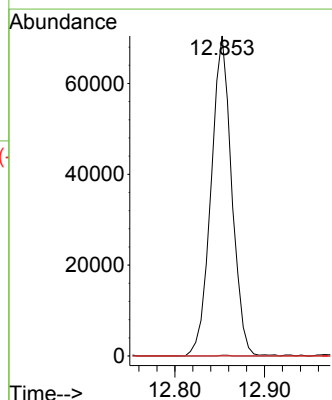
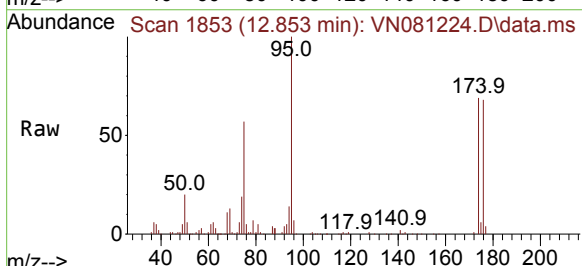
Tgt Ion: 75 Resp: 112475

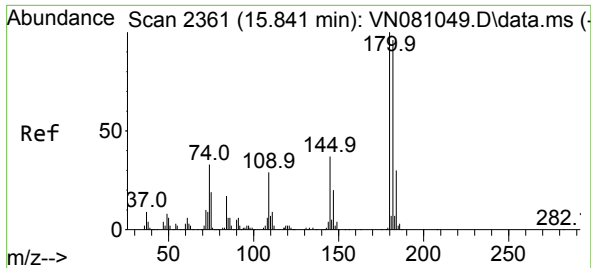
Ion Ratio Lower Upper

75 100

53 0.1 71.4 107.2#

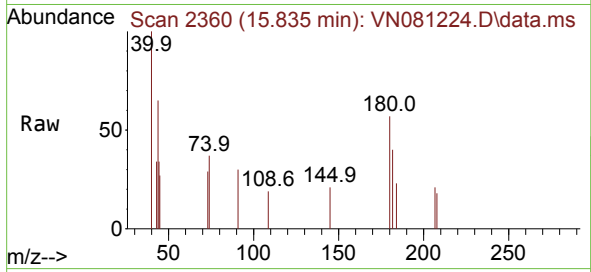
89 0.0 33.4 50.0#





#96
 1,2,3-Trichlorobenzene
 Concen: 0.215 ug/l
 RT: 15.835 min Scan# 21
 Delta R.T. -0.006 min
 Lab File: VN081224.D
 Acq: 27 Feb 2024 17:11

Instrument :
 MSVOA_N
 ClientSampleId :
 DUP09-20240222



Tgt Ion	Ratio	Lower	Upper
180	100		
182	46.3	46.5	139.3#
145	7.8	17.8	53.4#

