

Data Path : Z:\voasrv\HPCHEM1\MSVOA_N\Data\VN052324\
 Data File : VN082324.D
 Acq On : 23 May 2024 16:19
 Operator : JC\MD
 Sample : P2561-03
 Misc : 5.0mL/MSVOA_N/WATER
 ALS Vial : 17 Sample Multiplier: 1

Instrument :
 MSVOA_N
 ClientSampleId :

Quant Time: May 24 04:20:42 2024
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_N\methods\82N051524W.M
 Quant Title : SW846 8260
 QLast Update : Thu May 16 05:21:06 2024
 Response via : Initial Calibration

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

Internal Standards						
1) Pentafluorobenzene	8.230	168	195502	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	9.106	114	339801	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.870	117	326202	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.794	152	142915	50.000	ug/l	0.00

System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.582	65	157628	51.061	ug/l	0.00
Spiked Amount	50.000	Range	74 - 125	Recovery	= 102.120%	
35) Dibromofluoromethane	8.171	113	110123	52.683	ug/l	0.00
Spiked Amount	50.000	Range	75 - 124	Recovery	= 105.360%	
50) Toluene-d8	10.571	98	436616	54.481	ug/l	0.00
Spiked Amount	50.000	Range	86 - 113	Recovery	= 108.960%	
62) 4-Bromofluorobenzene	12.853	95	159727	55.841	ug/l	0.00
Spiked Amount	50.000	Range	64 - 133	Recovery	= 111.680%	

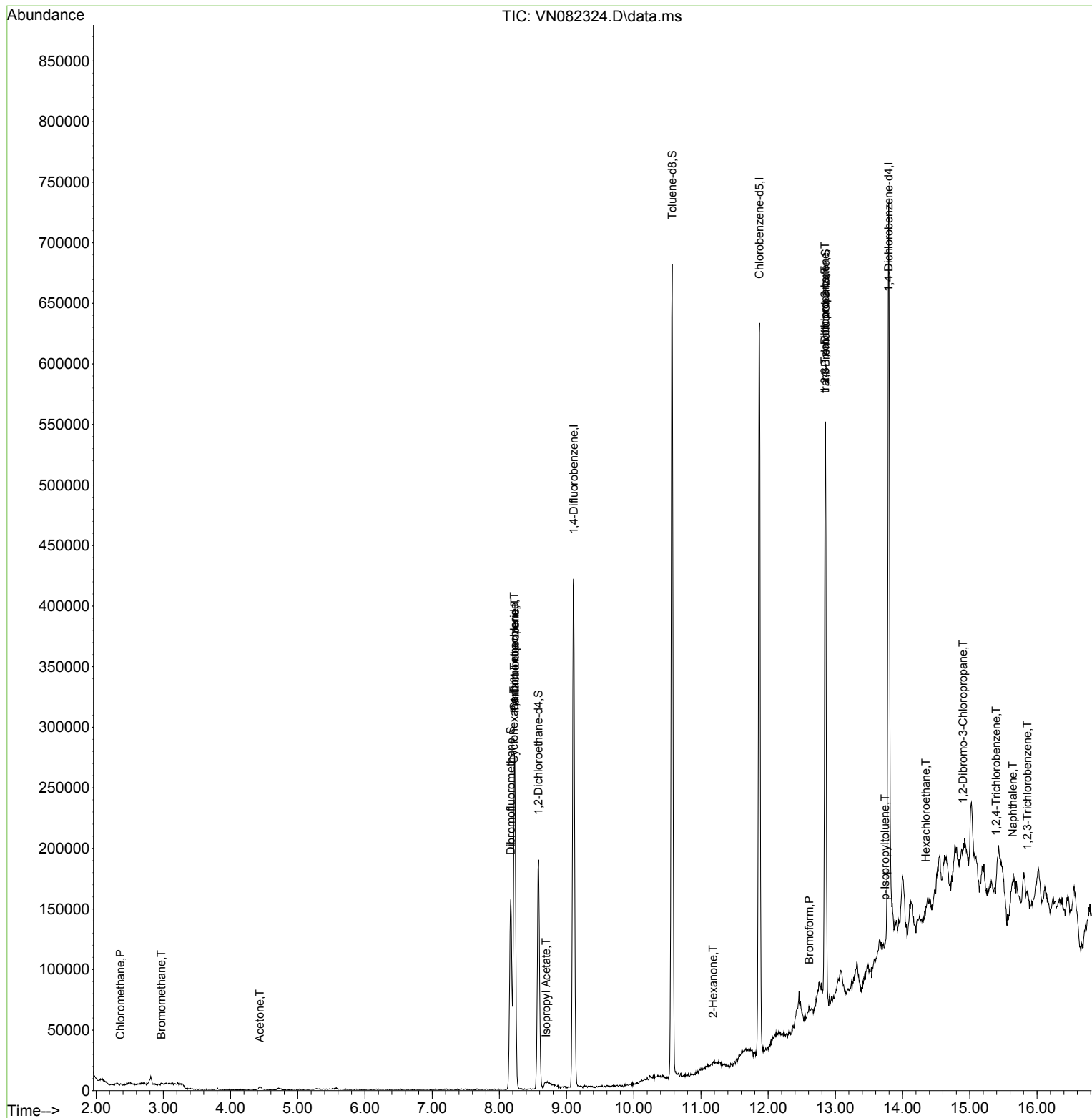
Target Compounds			Qvalue			
3) Chloromethane	2.359	50	691	0.216	ug/l	96
5) Bromomethane	2.971	94	458	0.265	ug/l #	74
16) Acetone	4.436	43	4280	3.380	ug/l #	85
31) Cyclohexane	8.218	56	6019	1.221	ug/l #	51
36) 1,1-Dichloropropene	8.230	75	18291	5.217	ug/l #	49
38) Carbon Tetrachloride	8.224	117	21497	6.049	ug/l #	16
43) Isopropyl Acetate	8.694	43	4434	0.638	ug/l #	52
59) 2-Hexanone	11.182	43	662	0.229	ug/l #	23
71) Bromoform	12.612	173	675	1.054	ug/l #	80
76) 1,2,3-Trichloropropane	12.847	75	94914	31.554	ug/l #	1
81) trans-1,4-Dichloro-2-b...	12.847	75	94914	73.803	ug/l #	13
86) p-Isopropyltoluene	13.741	119	3339	0.369	ug/l #	61
90) Hexachloroethane	14.347	117	1356	0.809	ug/l #	29
92) 1,2-Dibromo-3-Chloropr...	14.900	75	837	1.245	ug/l	58
93) 1,2,4-Trichlorobenzene	15.394	180	545	0.210	ug/l #	13
95) Naphthalene	15.641	128	4863	0.597	ug/l #	44
96) 1,2,3-Trichlorobenzene	15.858	180	772	0.296	ug/l #	58

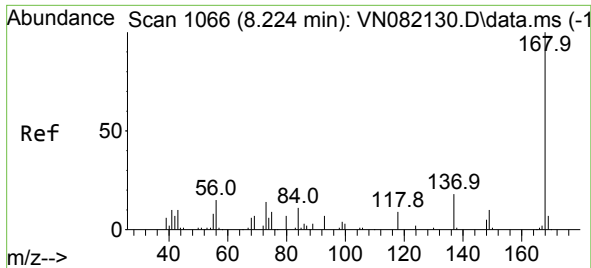
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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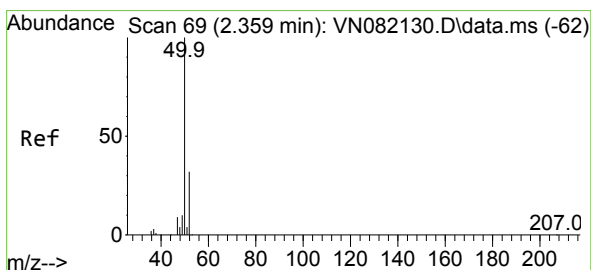
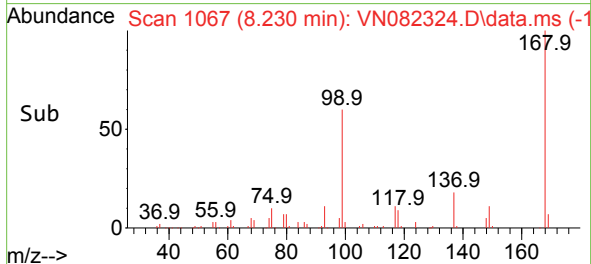
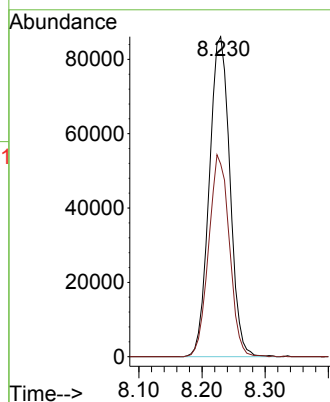
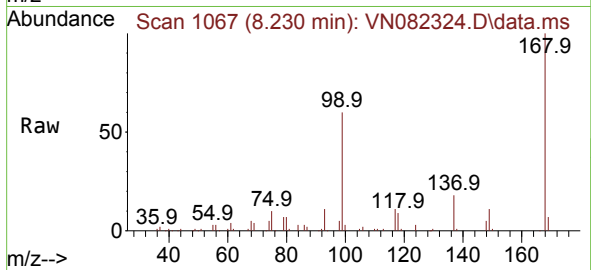




#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 8.230 min Scan# 10
Delta R.T. 0.006 min
Lab File: VN082324.D
Acq: 23 May 2024 16:19

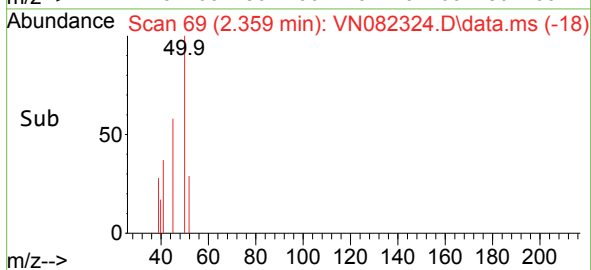
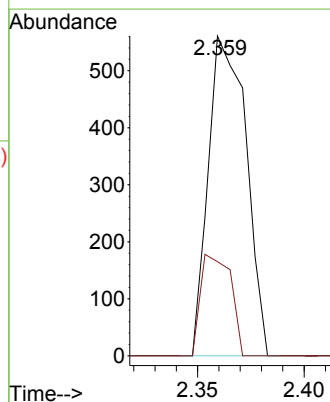
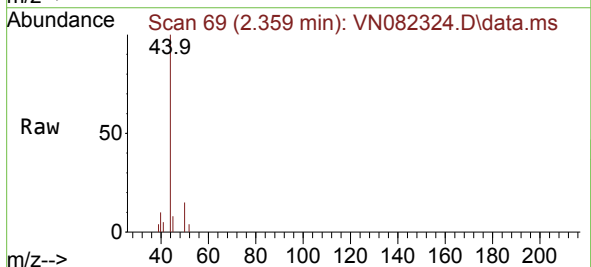
Instrument :
MSVOA_N
ClientSampleId :

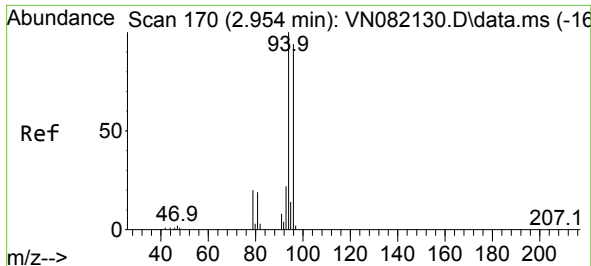
Tgt Ion:168 Resp: 195502
Ion Ratio Lower Upper
168 100
99 60.2 48.2 72.4



#3
Chloromethane
Concen: 0.216 ug/l
RT: 2.359 min Scan# 69
Delta R.T. -0.000 min
Lab File: VN082324.D
Acq: 23 May 2024 16:19

Tgt Ion: 50 Resp: 691
Ion Ratio Lower Upper
50 100
52 29.4 25.5 38.3

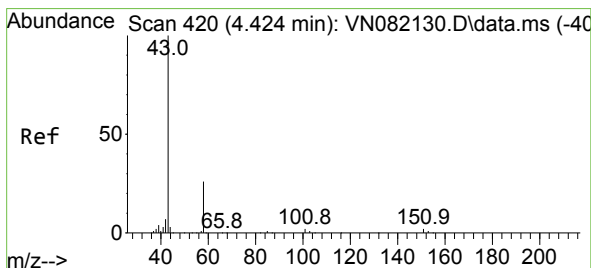
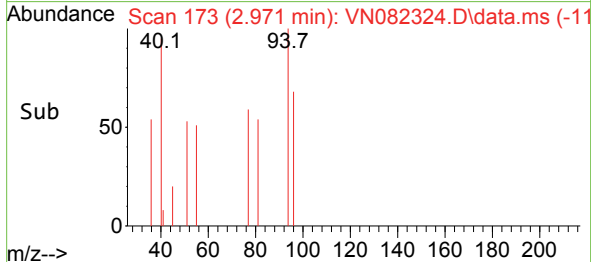
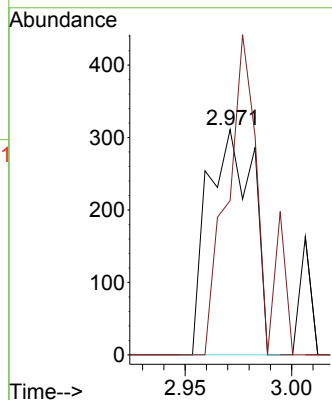
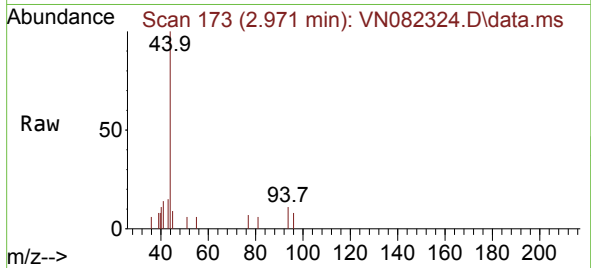




#5
Bromomethane
Concen: 0.265 ug/l
RT: 2.971 min Scan# 11
Delta R.T. 0.018 min
Lab File: VN082324.D
Acq: 23 May 2024 16:19

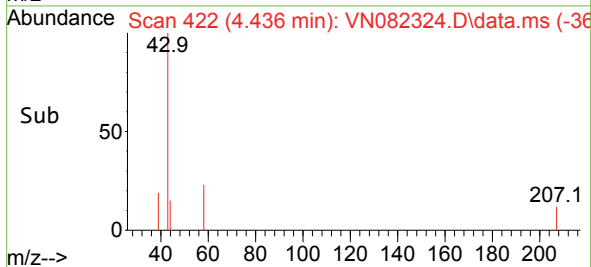
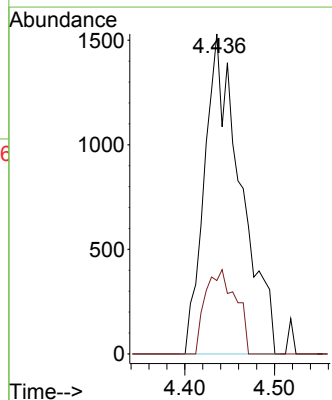
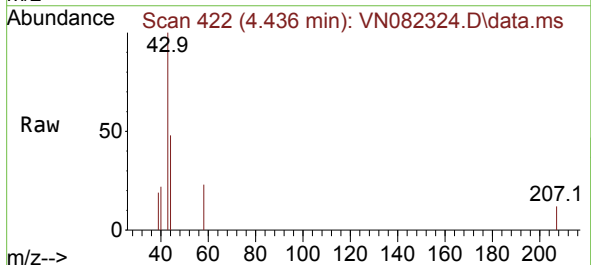
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ClientSampleId :

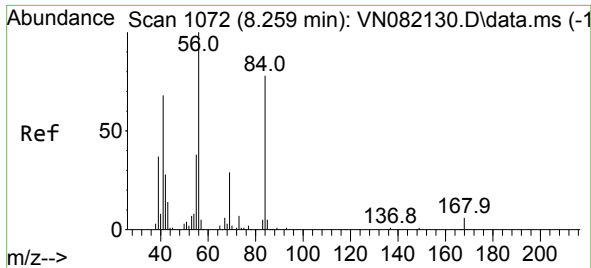
Tgt Ion: 94 Resp: 458
Ion Ratio Lower Upper
94 100
96 68.5 74.8 112.2#



#16
Acetone
Concen: 3.380 ug/l
RT: 4.436 min Scan# 422
Delta R.T. 0.012 min
Lab File: VN082324.D
Acq: 23 May 2024 16:19

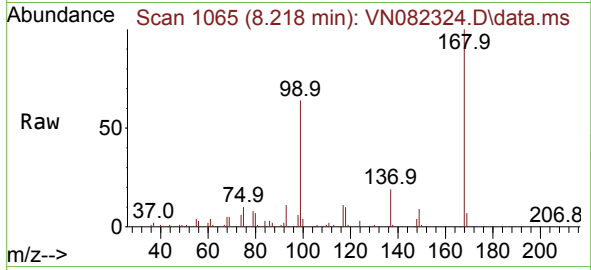
Tgt Ion: 43 Resp: 4280
Ion Ratio Lower Upper
43 100
58 22.9 25.2 37.8#



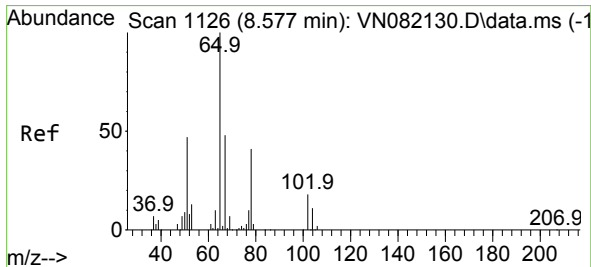
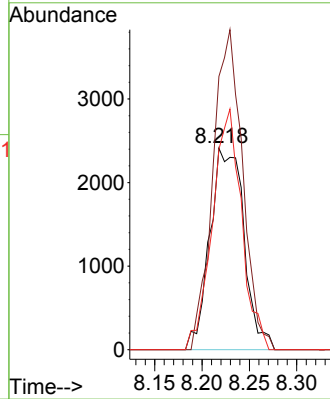
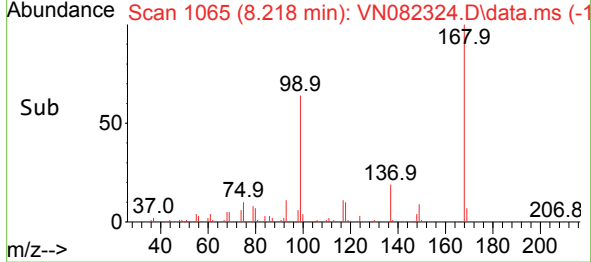


#31
Cyclohexane
Concen: 1.221 ug/l
RT: 8.218 min Scan# 1065
Delta R.T. -0.041 min
Lab File: VN082324.D
Acq: 23 May 2024 16:19

Instrument :
MSVOA_N
ClientSampleId :

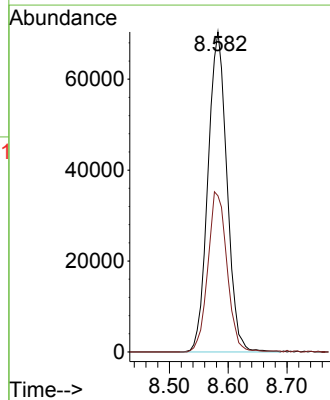
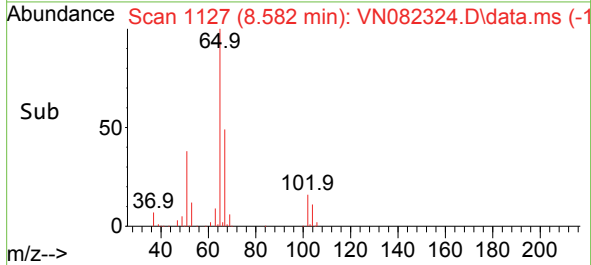
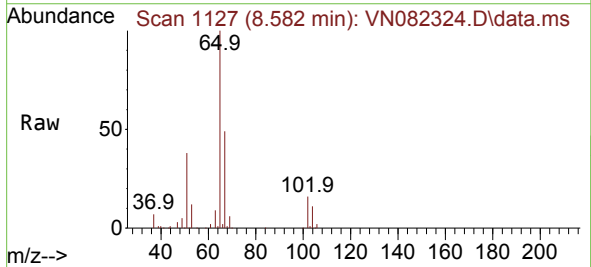


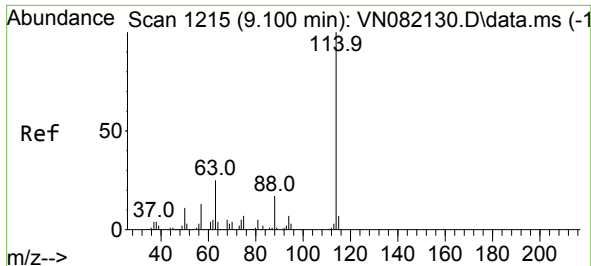
Tgt Ion: 56 Resp: 6019
Ion Ratio Lower Upper
56 100
69 135.6 24.4 36.6#
84 99.5 77.0 115.4



#33
1,2-Dichloroethane-d4
Concen: 51.061 ug/l
RT: 8.582 min Scan# 1127
Delta R.T. 0.006 min
Lab File: VN082324.D
Acq: 23 May 2024 16:19

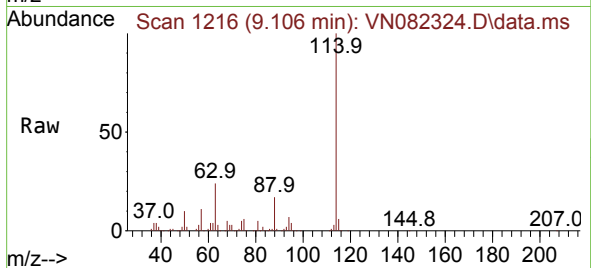
Tgt Ion: 65 Resp: 157628
Ion Ratio Lower Upper
65 100
67 50.6 0.0 103.0



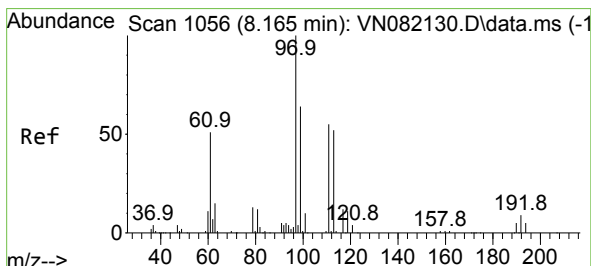
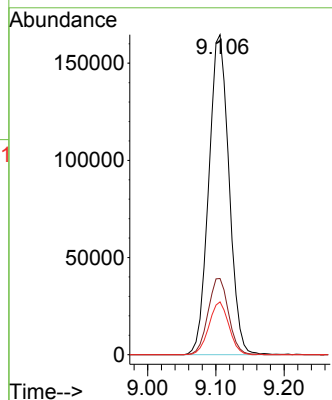
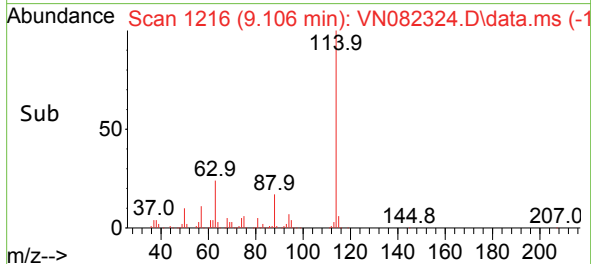


#34
1,4-Difluorobenzene
Concen: 50.000 ug/l
RT: 9.106 min Scan# 11
Delta R.T. 0.006 min
Lab File: VN082324.D
Acq: 23 May 2024 16:19

Instrument :
MSVOA_N
ClientSampleId :

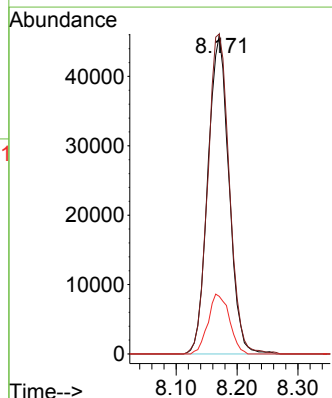
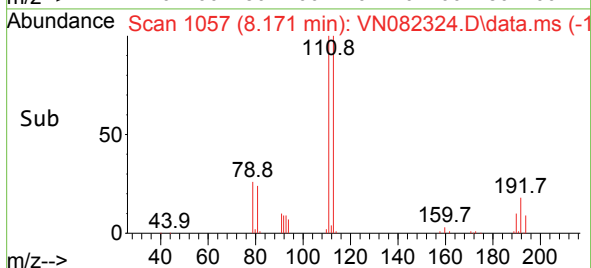
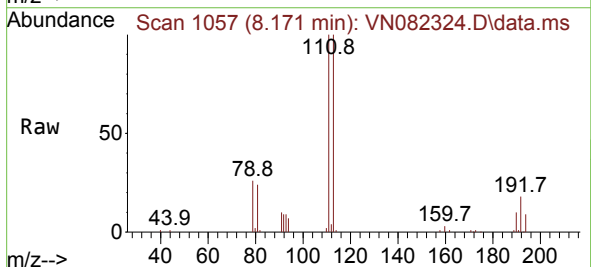


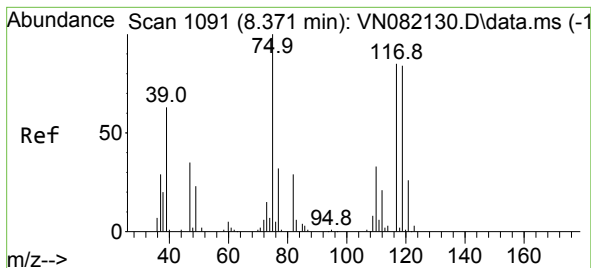
Tgt Ion:114 Resp: 339801
Ion Ratio Lower Upper
114 100
63 23.8 0.0 41.0
88 16.5 0.0 31.4



#35
Dibromofluoromethane
Concen: 52.683 ug/l
RT: 8.171 min Scan# 1057
Delta R.T. 0.006 min
Lab File: VN082324.D
Acq: 23 May 2024 16:19

Tgt Ion:113 Resp: 110123
Ion Ratio Lower Upper
113 100
111 103.2 83.4 125.2
192 19.0 14.0 21.0





#36

1,1-Dichloropropene

Concen: 5.217 ug/l

RT: 8.230 min Scan# 1067

Delta R.T. -0.141 min

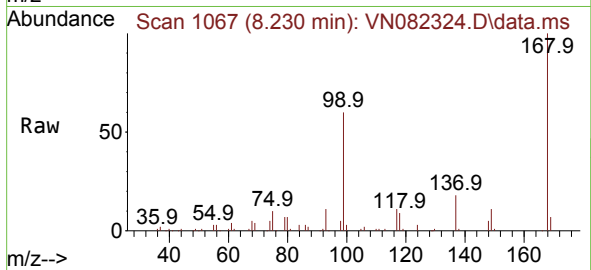
Lab File: VN082324.D

Acq: 23 May 2024 16:19

Instrument :

MSVOA_N

ClientSampleId :



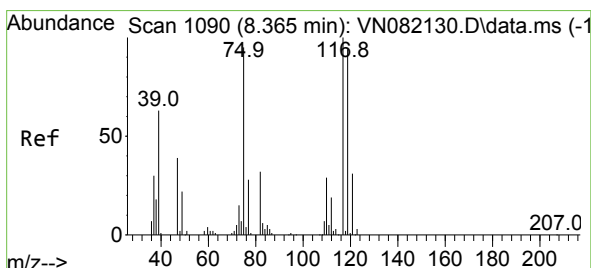
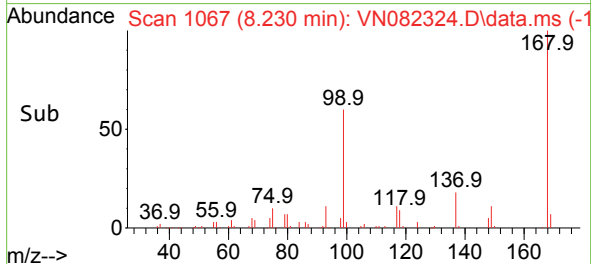
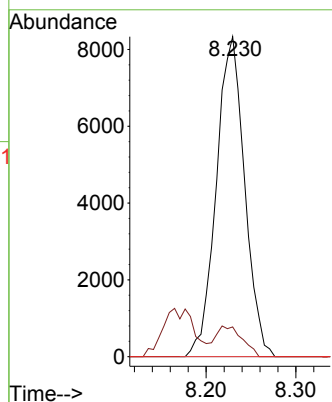
Tgt Ion: 75 Resp: 18291

Ion Ratio Lower Upper

75 100

110 9.2 17.8 53.5#

77 0.0 25.0 37.4#



#38

Carbon Tetrachloride

Concen: 6.049 ug/l

RT: 8.224 min Scan# 1066

Delta R.T. -0.141 min

Lab File: VN082324.D

Acq: 23 May 2024 16:19

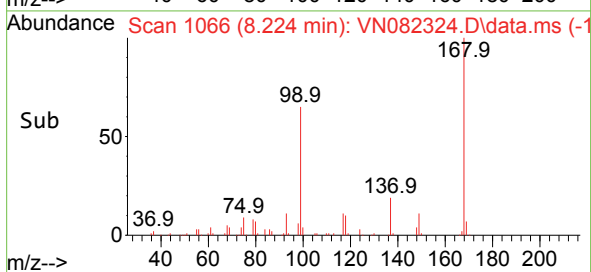
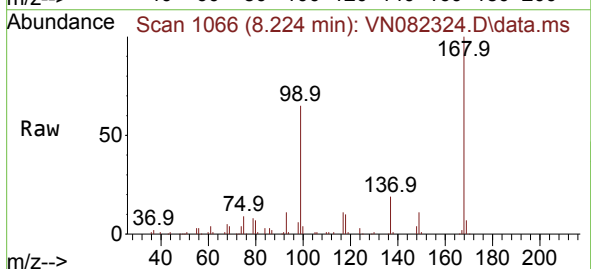
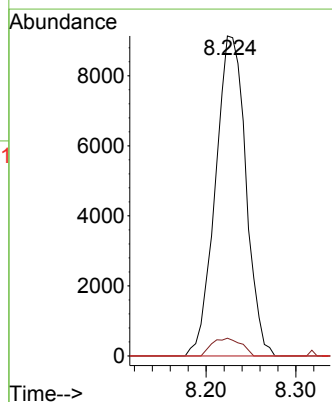
Tgt Ion: 117 Resp: 21497

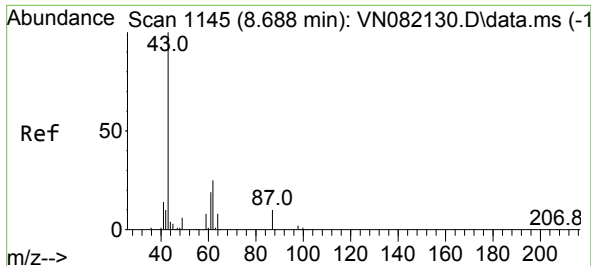
Ion Ratio Lower Upper

117 100

119 5.5 76.5 114.7#

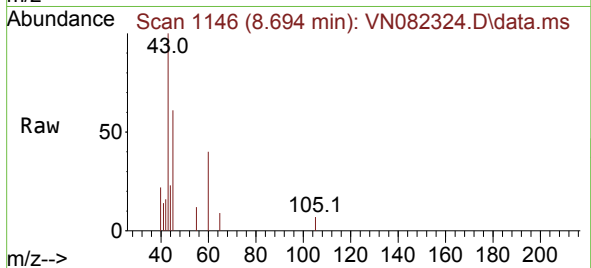
121 0.0 23.9 35.9#



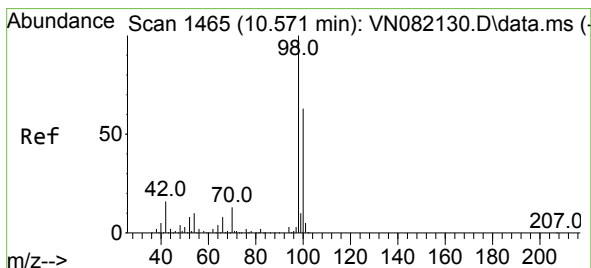
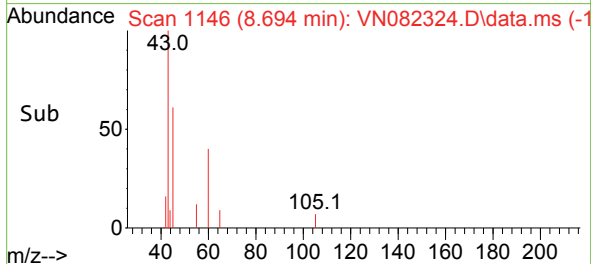
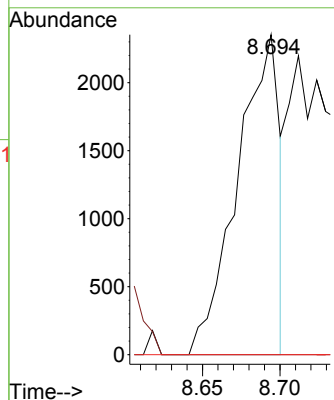


#43
Isopropyl Acetate
Concen: 0.638 ug/l
RT: 8.694 min Scan# 1145
Delta R.T. 0.006 min
Lab File: VN082324.D
Acq: 23 May 2024 16:19

Instrument :
MSVOA_N
ClientSampleId :

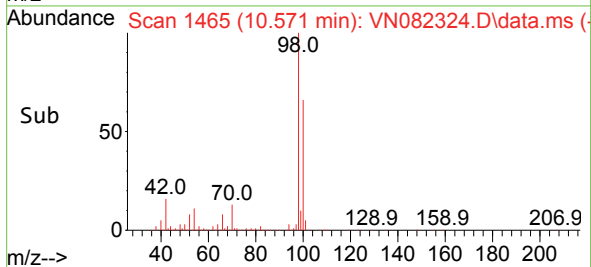
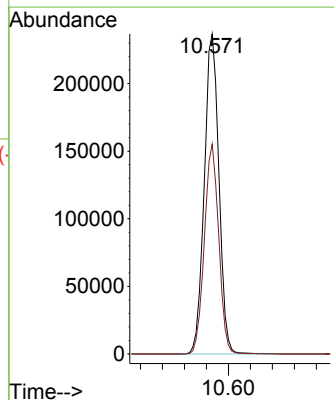
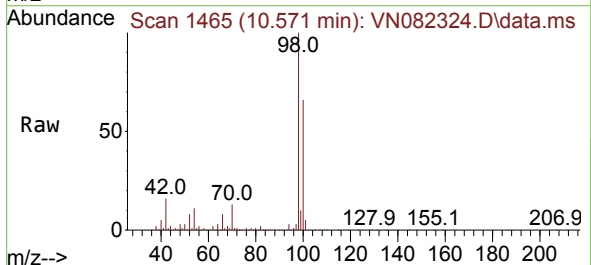


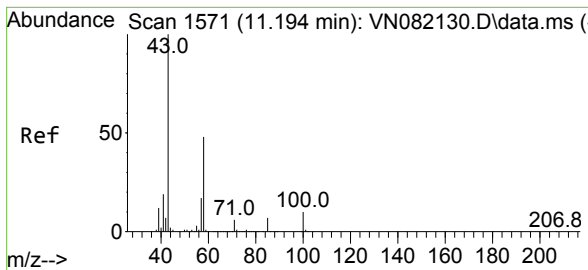
Tgt Ion: 43 Resp: 4434
Ion Ratio Lower Upper
43 100
61 0.0 22.8 34.2#
87 0.0 12.0 18.0#



#50
Toluene-d8
Concen: 54.481 ug/l
RT: 10.571 min Scan# 1465
Delta R.T. -0.000 min
Lab File: VN082324.D
Acq: 23 May 2024 16:19

Tgt Ion: 98 Resp: 436616
Ion Ratio Lower Upper
98 100
100 64.3 51.8 77.6

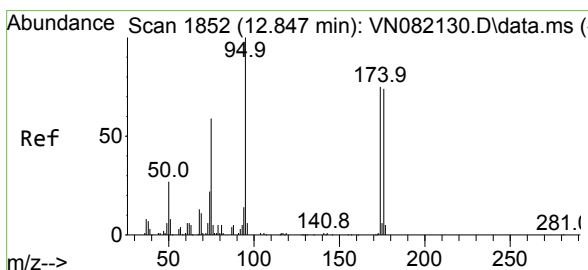
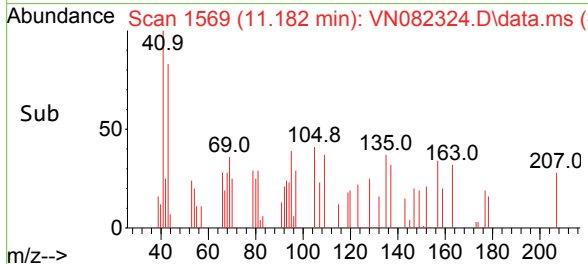
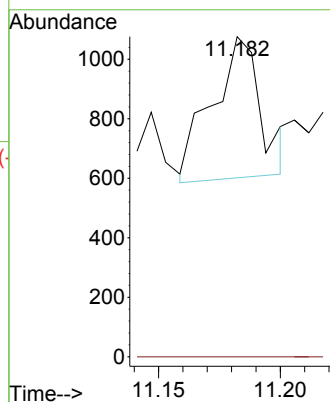
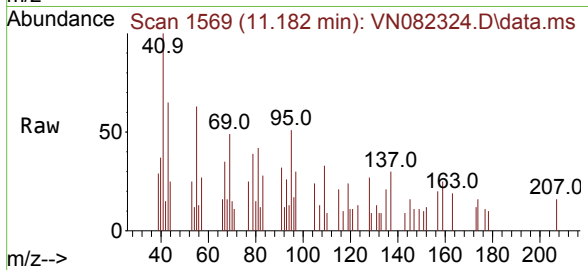




#59
2-Hexanone
Concen: 0.229 ug/l
RT: 11.182 min Scan# 111
Delta R.T. -0.012 min
Lab File: VN082324.D
Acq: 23 May 2024 16:19

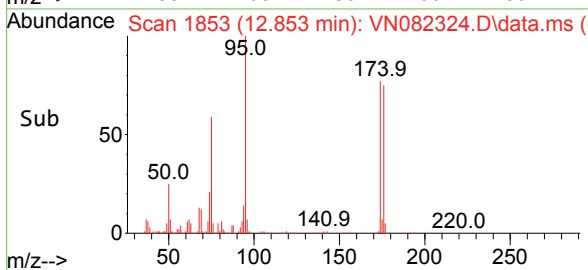
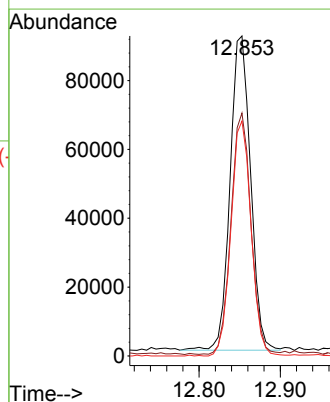
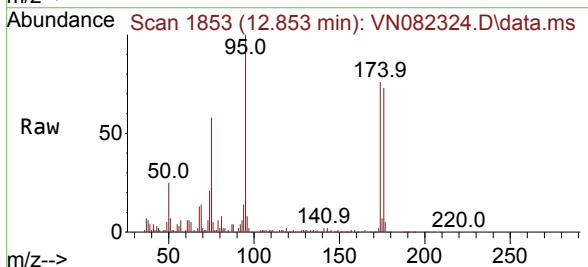
Instrument :
MSVOA_N
ClientSampleId :

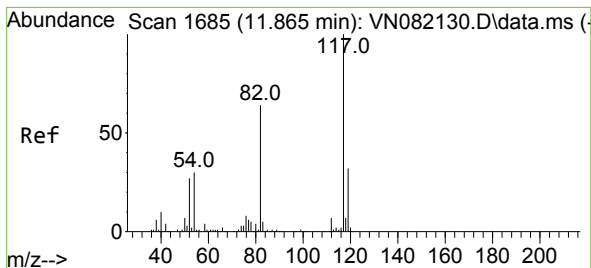
Tgt Ion: 43 Resp: 662
Ion Ratio Lower Upper
43 100
58 0.0 28.3 84.9#



#62
4-Bromofluorobenzene
Concen: 55.841 ug/l
RT: 12.853 min Scan# 1853
Delta R.T. 0.006 min
Lab File: VN082324.D
Acq: 23 May 2024 16:19

Tgt Ion: 95 Resp: 159727
Ion Ratio Lower Upper
95 100
174 75.1 0.0 160.6
176 73.5 0.0 152.8





#63

Chlorobenzene-d5

Concen: 50.000 ug/l

RT: 11.870 min Scan# 1

Delta R.T. 0.006 min

Lab File: VN082324.D

Acq: 23 May 2024 16:19

Instrument :

MSVOA_N

ClientSampleId :

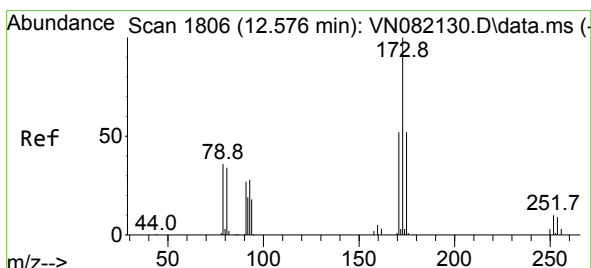
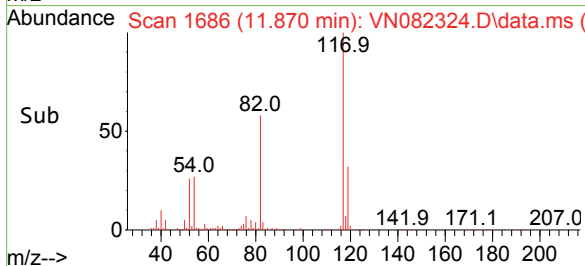
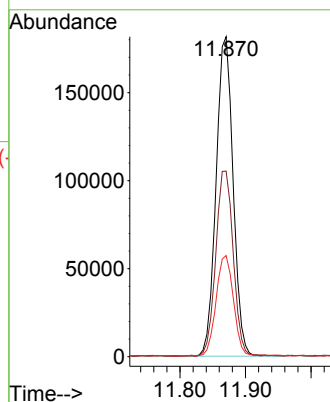
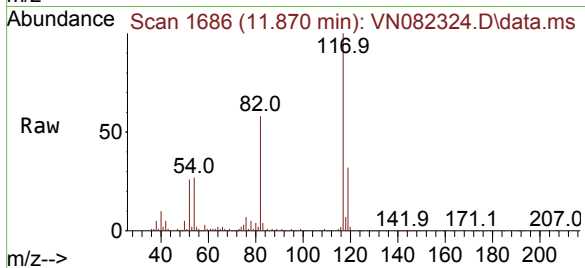
Tgt Ion:117 Resp: 326202

Ion Ratio Lower Upper

117 100

82 57.9 44.6 66.8

119 31.4 25.9 38.9



#71

Bromoform

Concen: 1.054 ug/l

RT: 12.612 min Scan# 1812

Delta R.T. 0.036 min

Lab File: VN082324.D

Acq: 23 May 2024 16:19

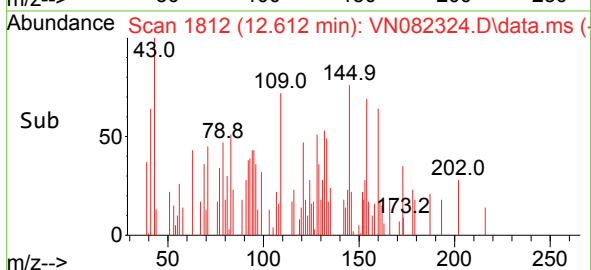
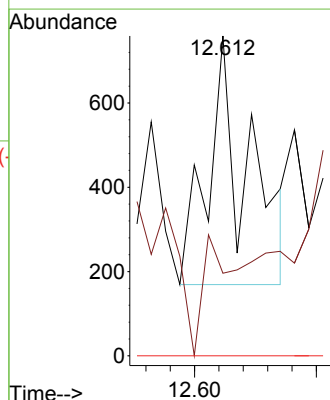
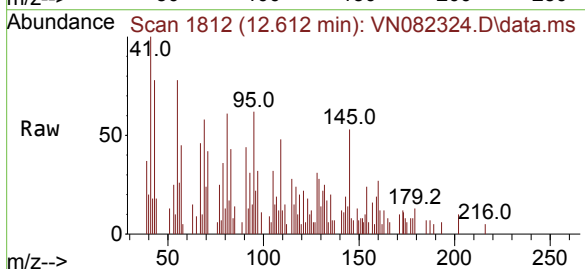
Tgt Ion:173 Resp: 675

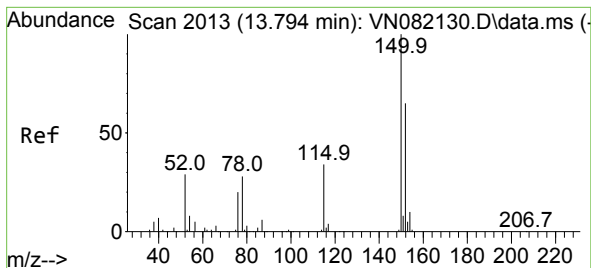
Ion Ratio Lower Upper

173 100

175 35.9 24.6 74.0

254 0.0 0.0 0.0





#72

1,4-Dichlorobenzene-d4

Concen: 50.000 ug/l

RT: 13.794 min Scan# 2013

Delta R.T. -0.000 min

Lab File: VN082324.D

Acq: 23 May 2024 16:19

Instrument :

MSVOA_N

ClientSampleId :

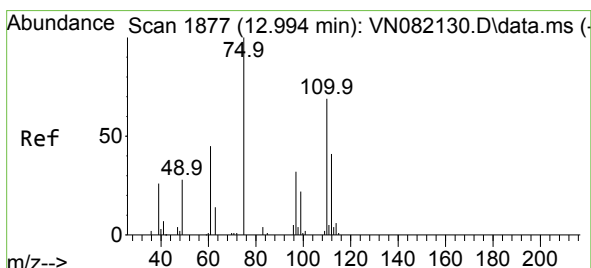
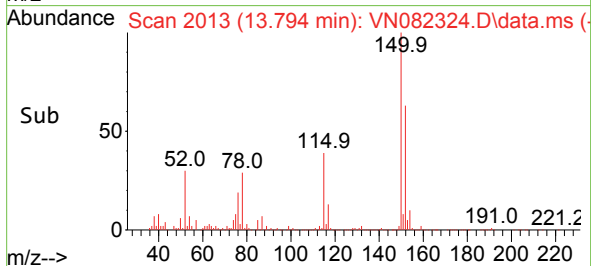
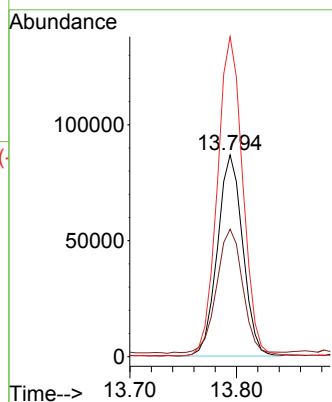
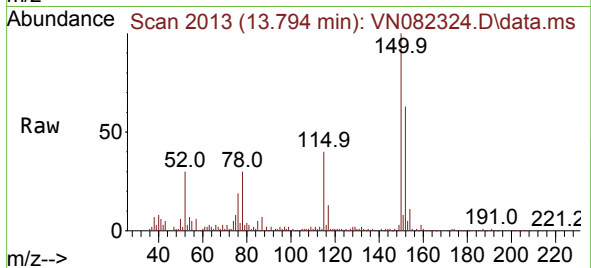
Tgt Ion:152 Resp: 142915

Ion Ratio Lower Upper

152 100

115 63.6 30.4 91.3

150 160.0 0.0 353.2



#76

1,2,3-Trichloropropane

Concen: 31.554 ug/l

RT: 12.847 min Scan# 1852

Delta R.T. -0.147 min

Lab File: VN082324.D

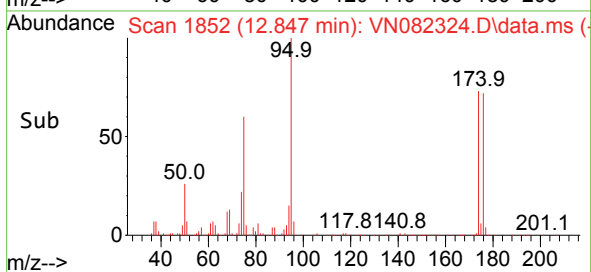
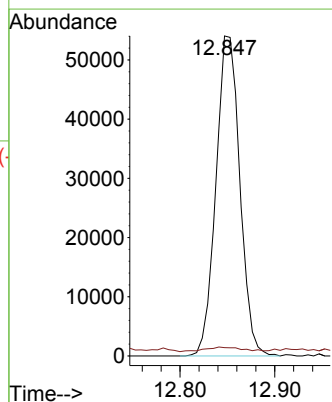
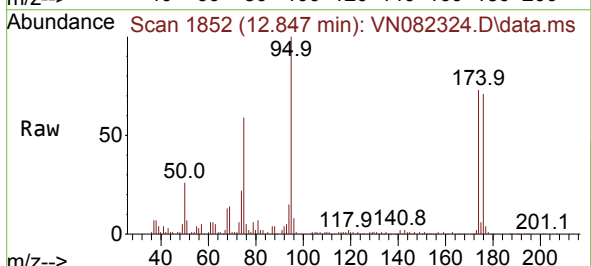
Acq: 23 May 2024 16:19

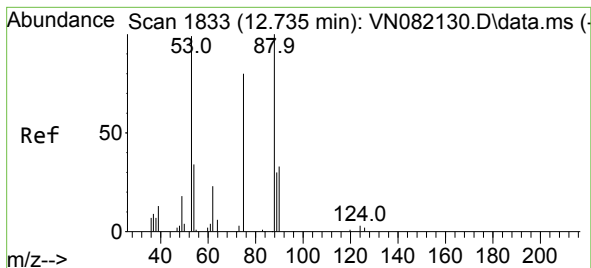
Tgt Ion: 75 Resp: 94914

Ion Ratio Lower Upper

75 100

77 2.2 90.5 271.3#

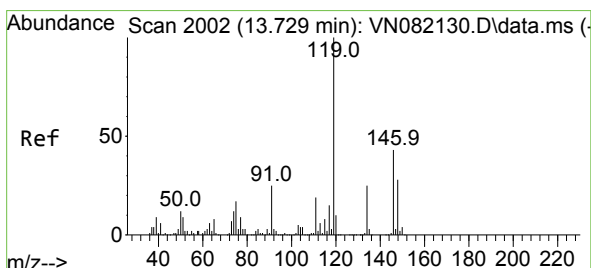
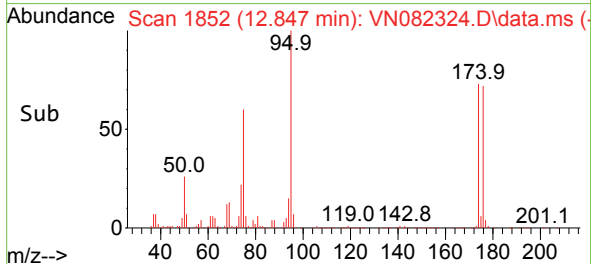
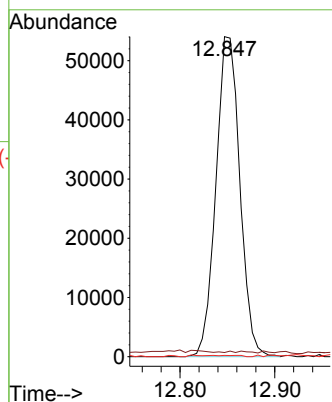
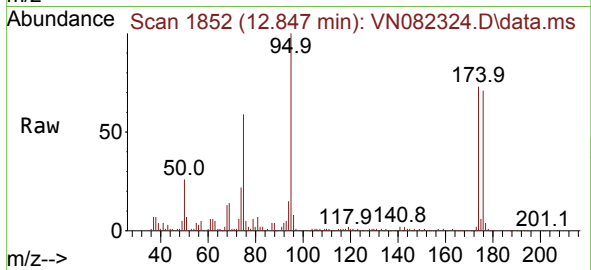




#81
trans-1,4-Dichloro-2-butene
Concen: 73.803 ug/l
RT: 12.847 min Scan# 11
Delta R.T. 0.112 min
Lab File: VN082324.D
Acq: 23 May 2024 16:19

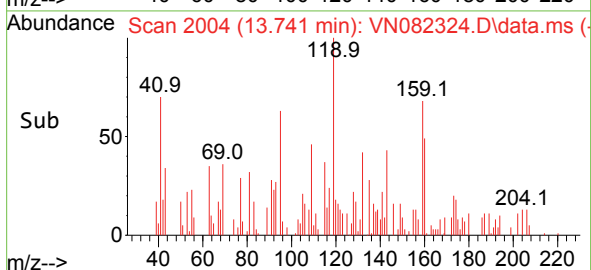
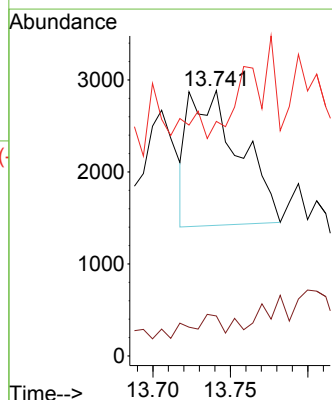
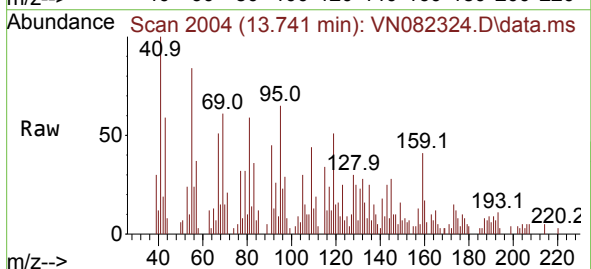
Instrument :
MSVOA_N
ClientSampleId :

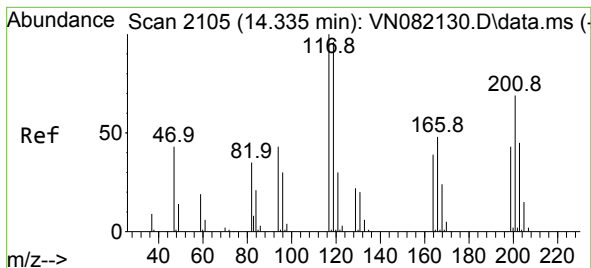
Tgt Ion: 75 Resp: 94914
Ion Ratio Lower Upper
75 100
53 0.1 72.9 109.3#
89 0.0 39.1 58.7#



#86
p-Isopropyltoluene
Concen: 0.369 ug/l
RT: 13.741 min Scan# 2004
Delta R.T. 0.012 min
Lab File: VN082324.D
Acq: 23 May 2024 16:19

Tgt Ion: 119 Resp: 3339
Ion Ratio Lower Upper
119 100
134 10.0 13.2 39.5#
91 0.0 11.8 35.3#





#90

Hexachloroethane

Concen: 0.809 ug/l

RT: 14.347 min Scan# 2105

Delta R.T. 0.012 min

Lab File: VN082324.D

Acq: 23 May 2024 16:19

Instrument :

MSVOA_N

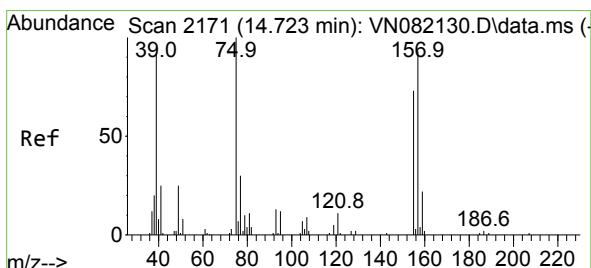
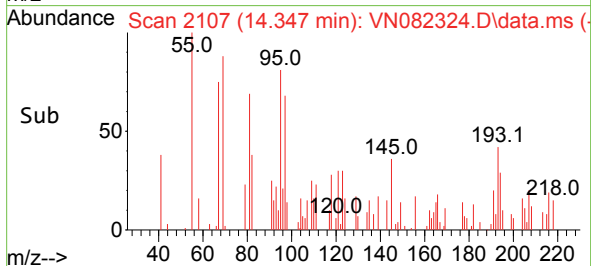
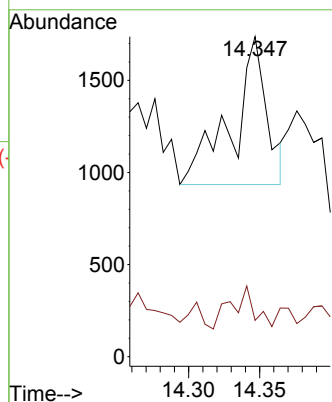
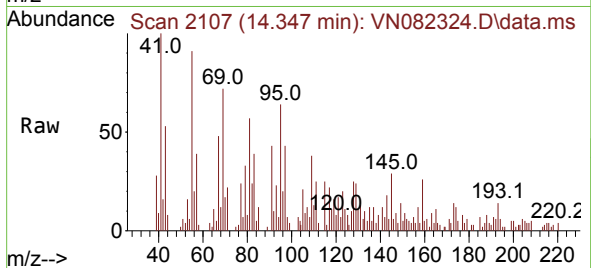
ClientSampleId :

Tgt Ion:117 Resp: 1356

Ion Ratio Lower Upper

117 100

201 9.7 33.3 99.8#



#92

1,2-Dibromo-3-Chloropropane

Concen: 1.245 ug/l

RT: 14.900 min Scan# 2201

Delta R.T. 0.176 min

Lab File: VN082324.D

Acq: 23 May 2024 16:19

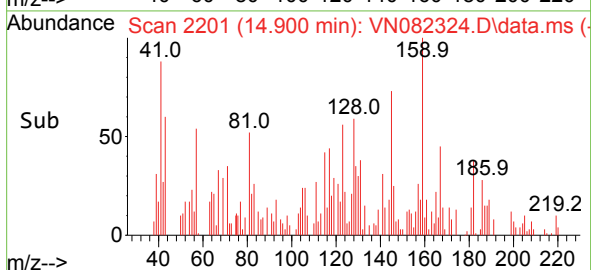
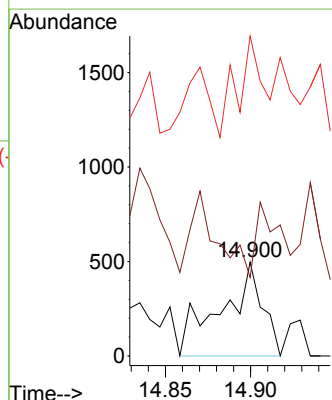
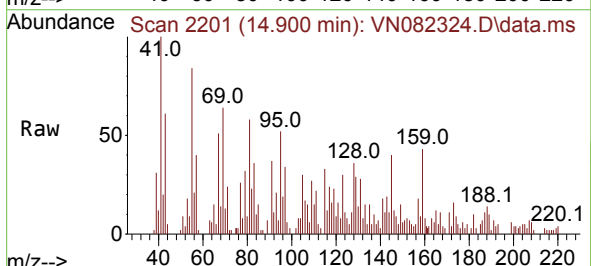
Tgt Ion: 75 Resp: 837

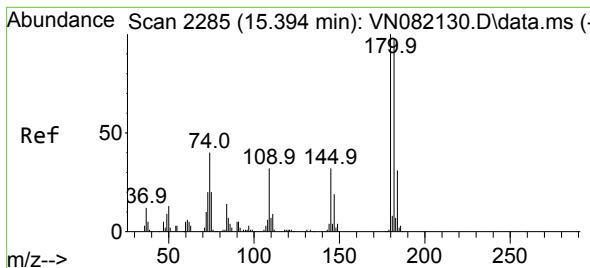
Ion Ratio Lower Upper

75 100

155 43.5 42.6 128.0

157 65.2 53.0 159.0





#93

1,2,4-Trichlorobenzene

Concen: 0.210 ug/l

RT: 15.394 min Scan# 21

Delta R.T. -0.000 min

Lab File: VN082324.D

Acq: 23 May 2024 16:19

Instrument :

MSVOA_N

ClientSampleId :

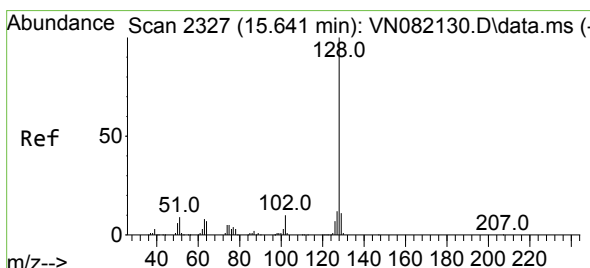
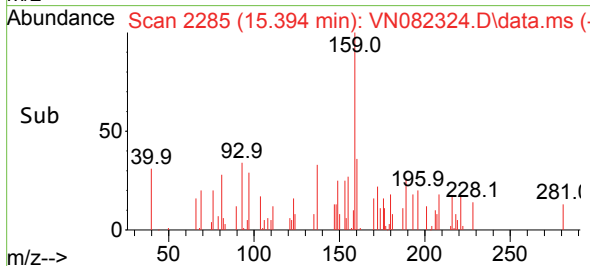
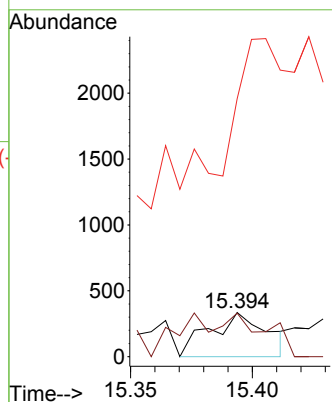
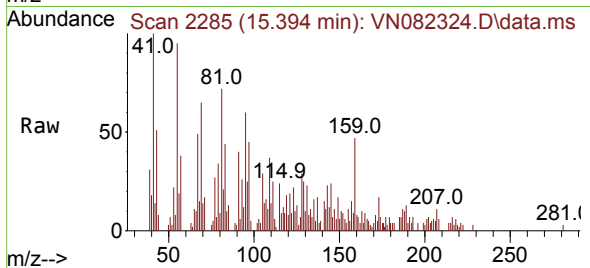
Tgt Ion:180 Resp: 545

Ion Ratio Lower Upper

180 100

182 0.0 46.7 140.0#

145 0.0 16.2 48.6#



#95

Naphthalene

Concen: 0.597 ug/l

RT: 15.641 min Scan# 2327

Delta R.T. -0.000 min

Lab File: VN082324.D

Acq: 23 May 2024 16:19

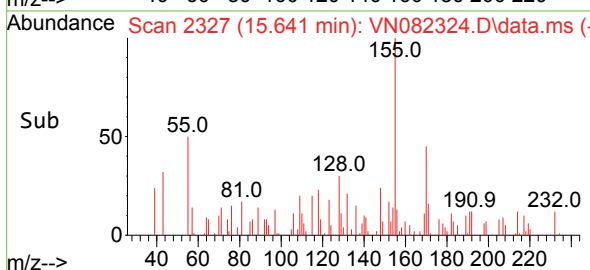
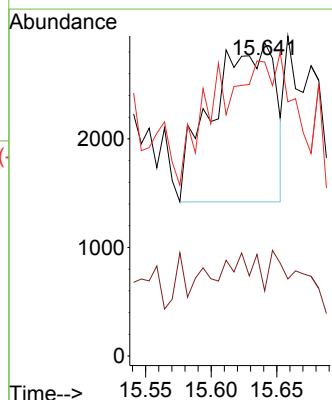
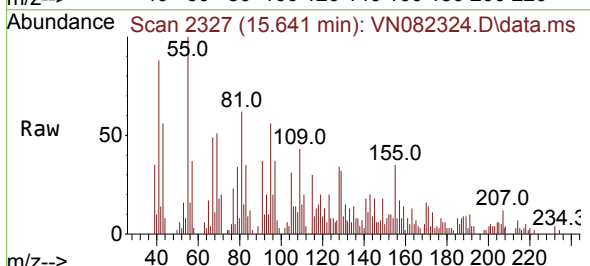
Tgt Ion:128 Resp: 4863

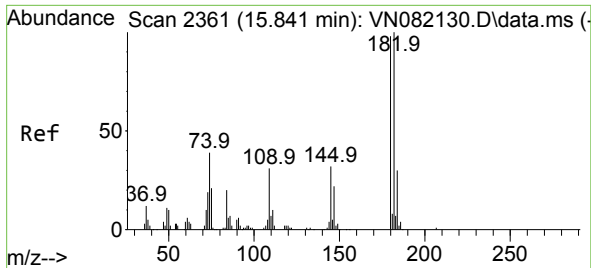
Ion Ratio Lower Upper

128 100

127 19.6 10.1 15.1#

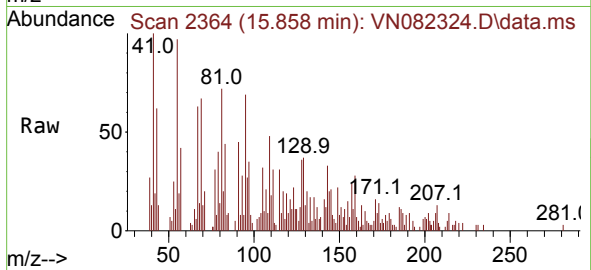
129 49.1 8.9 13.3#





#96
 1,2,3-Trichlorobenzene
 Concen: 0.296 ug/l
 RT: 15.858 min Scan# 21
 Delta R.T. 0.018 min
 Lab File: VN082324.D
 Acq: 23 May 2024 16:19

Instrument :
 MSVOA_N
 ClientSampleId :



Tgt Ion:180 Resp: 772
 Ion Ratio Lower Upper
 180 100
 182 52.8 46.0 137.8
 145 60.8 17.1 51.3#

