

Data Path : Z:\voasrv\HPCHEM1\MSVOA_N\Data\VN061024\
 Data File : VN082512.D
 Acq On : 10 Jun 2024 13:30
 Operator : JC\MD
 Sample : P2740-04
 Misc : 5.0mL/MSVOA_N/WATER
 ALS Vial : 9 Sample Multiplier: 1

Instrument :
 MSVOA_N
 ClientSampleId :

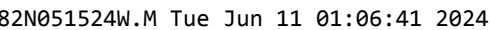
Quant Time: Jun 11 01:06:29 2024
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_N\methods\82N051524W.M
 Quant Title : SW846 8260
 QLast Update : Thu May 16 05:21:06 2024
 Response via : Initial Calibration

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

Internal Standards						
1) Pentafluorobenzene	8.224	168	179311	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	9.100	114	337723	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.865	117	343913	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.794	152	141371	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.577	65	145446	51.370	ug/l	0.00
Spiked Amount 50.000	Range 74 - 125		Recovery = 102.740%			
35) Dibromofluoromethane	8.165	113	106527	51.276	ug/l	0.00
Spiked Amount 50.000	Range 75 - 124		Recovery = 102.560%			
50) Toluene-d8	10.565	98	419762	52.701	ug/l	0.00
Spiked Amount 50.000	Range 86 - 113		Recovery = 105.400%			
62) 4-Bromofluorobenzene	12.853	95	139043	48.909	ug/l	0.00
Spiked Amount 50.000	Range 64 - 133		Recovery = 97.820%			
Target Compounds					Qvalue	
5) Bromomethane	2.977	94	672	0.424	ug/l	91
11) Tert butyl alcohol	5.524	59	737	1.622	ug/l #	71
16) Acetone	4.424	43	95416	82.151	ug/l	90
18) Methyl Acetate	5.024	43	1965	0.679	ug/l #	53
20) Methylene Chloride	5.271	84	8893	3.795	ug/l #	83
25) 2-Butanone	7.483	43	23852	13.545	ug/l #	83
29) Tetrahydrofuran	7.847	42	3744	3.311	ug/l #	75
31) Cyclohexane	8.230	56	5387	1.191	ug/l #	33
36) 1,1-Dichloropropene	8.224	75	16252	4.664	ug/l #	48
37) Ethyl Acetate	7.559	43	4358	1.118	ug/l #	87
38) Carbon Tetrachloride	8.224	117	19941	5.646	ug/l #	15
41) Methacrylonitrile	7.841	41	2136	0.931	ug/l #	44
42) 1,2-Dichloroethane	8.683	62	1287	0.322	ug/l #	73
43) Isopropyl Acetate	8.688	43	265481	38.423	ug/l #	72
45) 1,2-Dichloropropane	9.735	63	1761	0.657	ug/l #	45
48) Methyl methacrylate	9.741	41	161871	49.166	ug/l #	37
51) 4-Methyl-2-Pentanone	10.565	43	9599	2.445	ug/l	91
53) t-1,3-Dichloropropene	10.729	75	894	0.233	ug/l #	43
54) cis-1,3-Dichloropropene	10.359	75	48233	11.858	ug/l #	73
56) Ethyl methacrylate	10.982	69	1741	0.453	ug/l #	1
57) 1,3-Dichloropropane	11.206	76	6745	1.592	ug/l #	42
59) 2-Hexanone	11.200	43	106181	36.940	ug/l #	48
71) Bromoform	12.576	173	55	0.728	ug/l #	28
74) N-amyl acetate	12.482	43	2074	0.336	ug/l #	39
76) 1,2,3-Trichloropropane	12.847	75	81323	27.331	ug/l #	1
81) trans-1,4-Dichloro-2-b...	12.847	75	81323	63.925	ug/l #	12

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

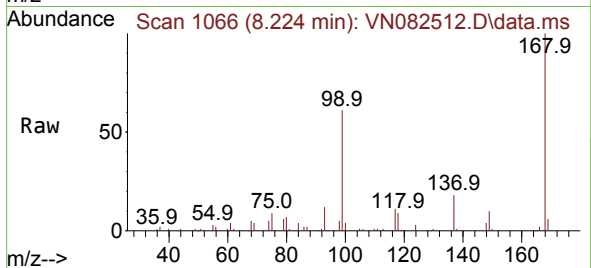
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Quant Method : Z:\voasrv\HPCHEM1\MSVOA_N\methods\82N051524W.M
Quant Title : SW846 8260
QLast Update : Thu May 16 05:21:06 2024
Response via : Initial Calibration



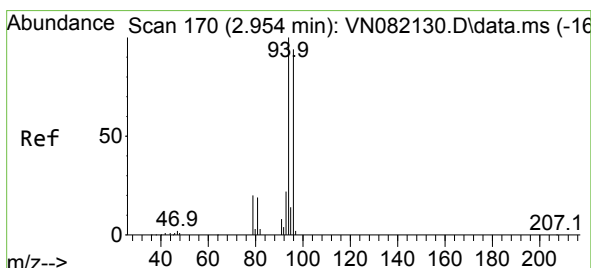
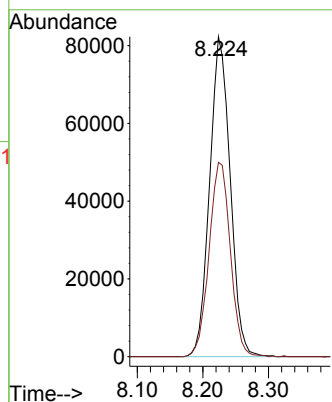
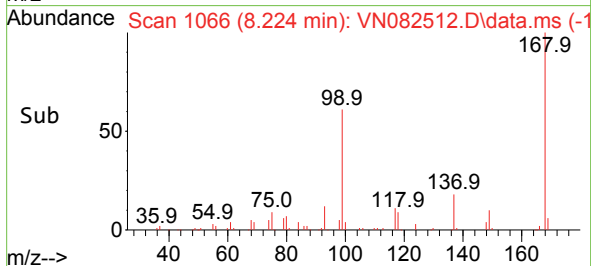


#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 8.224 min Scan# 1066
Delta R.T. -0.000 min
Lab File: VN082512.D
Acq: 10 Jun 2024 13:30

Instrument :
MSVOA_N
ClientSampleId :

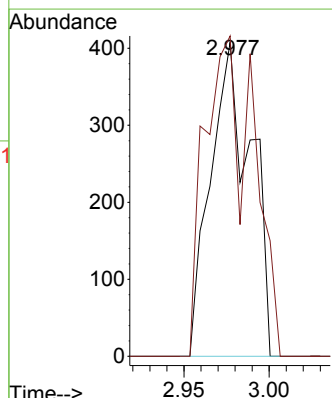
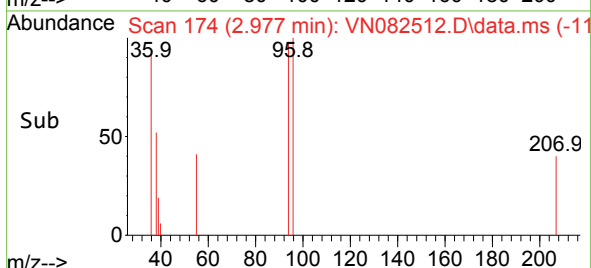
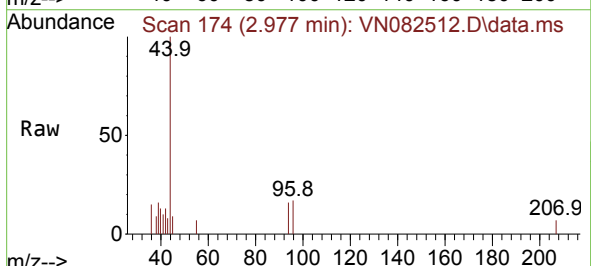


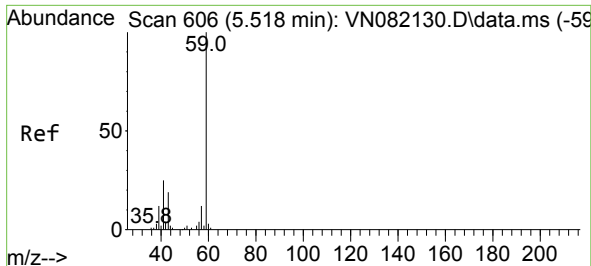
Tgt Ion:168 Resp: 179311
Ion Ratio Lower Upper
168 100
99 60.7 48.2 72.4



#5
Bromomethane
Concen: 0.424 ug/l
RT: 2.977 min Scan# 174
Delta R.T. 0.024 min
Lab File: VN082512.D
Acq: 10 Jun 2024 13:30

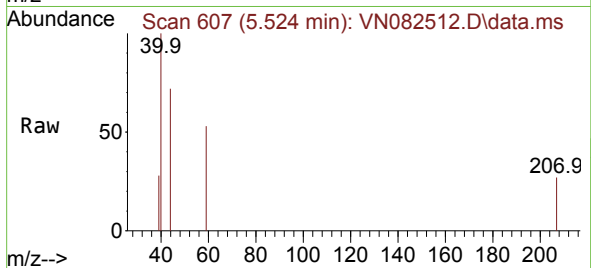
Tgt Ion: 94 Resp: 672
Ion Ratio Lower Upper
94 100
96 102.0 74.8 112.2



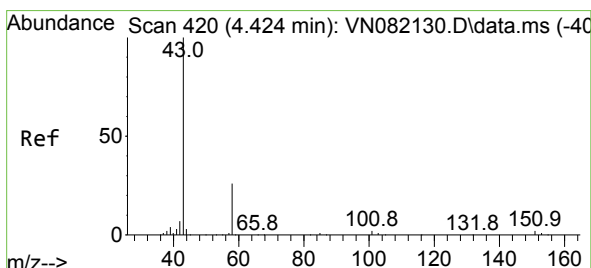
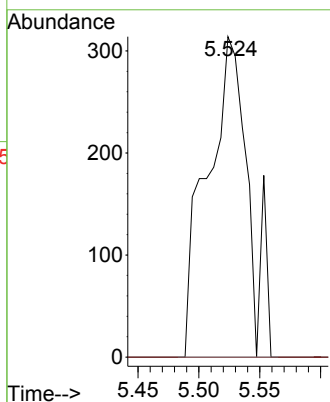
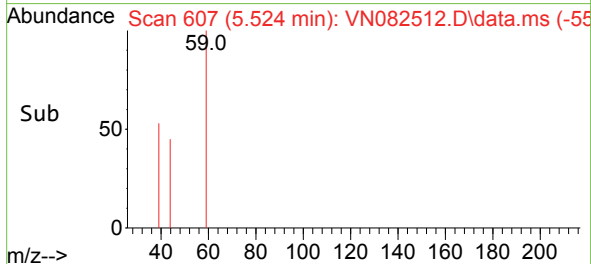


#11
Tert butyl alcohol
Concen: 1.622 ug/l
RT: 5.524 min Scan# 606
Delta R.T. 0.006 min
Lab File: VN082512.D
Acq: 10 Jun 2024 13:30

Instrument :
MSVOA_N
ClientSampleId :

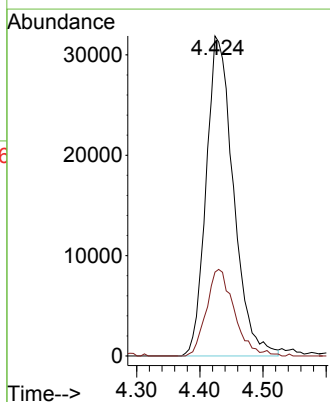
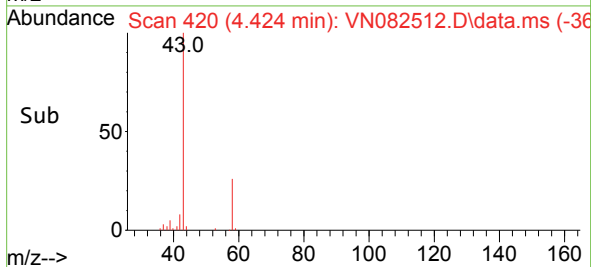
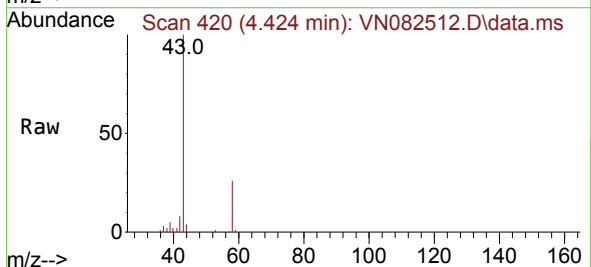


Tgt Ion: 59 Resp: 737
Ion Ratio Lower Upper
59 100
57 0.0 8.9 13.3#



#16
Acetone
Concen: 82.151 ug/l
RT: 4.424 min Scan# 420
Delta R.T. 0.000 min
Lab File: VN082512.D
Acq: 10 Jun 2024 13:30

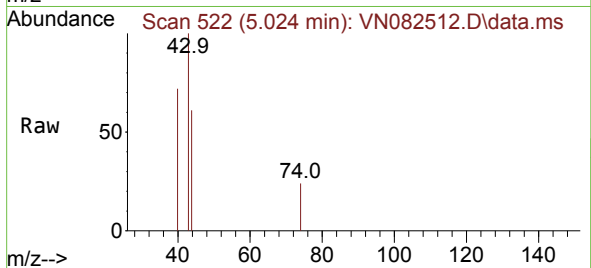
Tgt Ion: 43 Resp: 95416
Ion Ratio Lower Upper
43 100
58 26.2 25.2 37.8



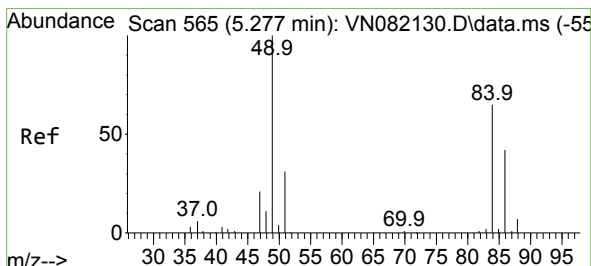
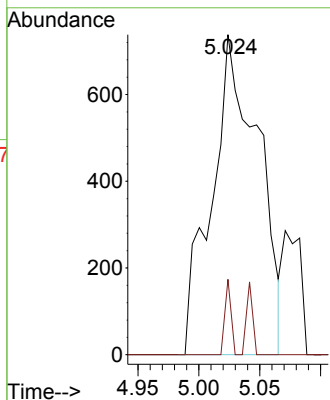
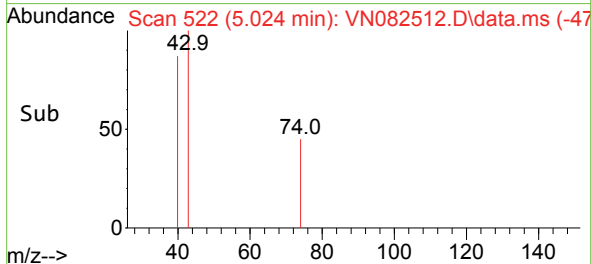


#18
Methyl Acetate
Concen: 0.679 ug/l
RT: 5.024 min Scan# 51
Delta R.T. 0.000 min
Lab File: VN082512.D
Acq: 10 Jun 2024 13:30

Instrument :
MSVOA_N
ClientSampleId :

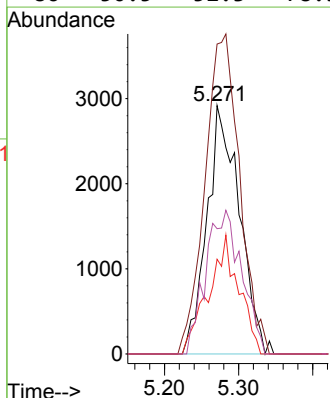
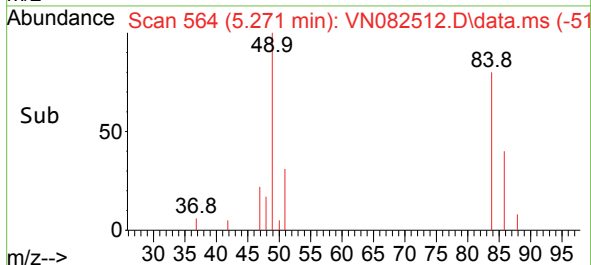
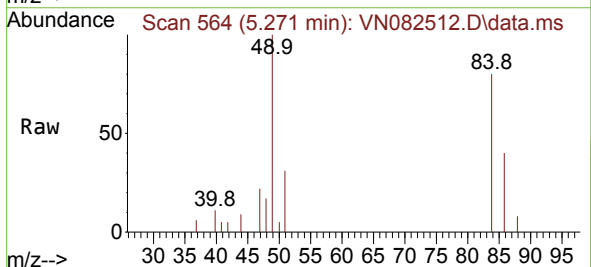


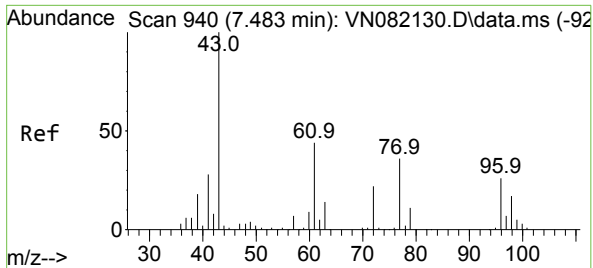
Tgt Ion: 43 Resp: 1965
Ion Ratio Lower Upper
43 100
74 3.1 22.2 33.2#



#20
Methylene Chloride
Concen: 3.795 ug/l
RT: 5.271 min Scan# 564
Delta R.T. -0.006 min
Lab File: VN082512.D
Acq: 10 Jun 2024 13:30

Tgt Ion: 84 Resp: 8893
Ion Ratio Lower Upper
84 100
49 124.8 84.9 127.3
51 38.1 27.0 40.6
86 50.5 52.3 78.5#

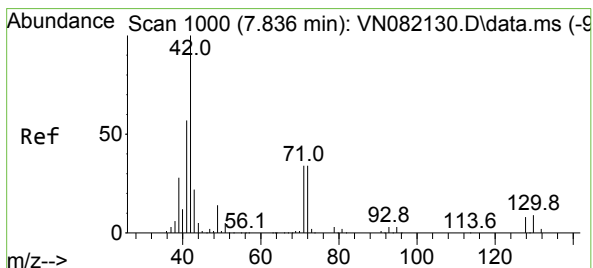
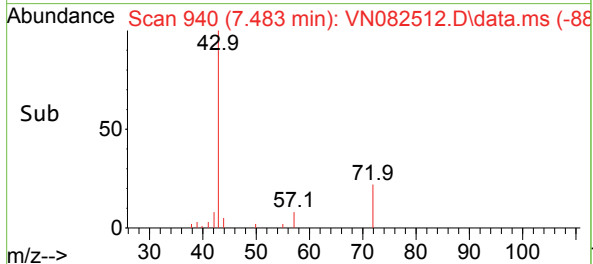
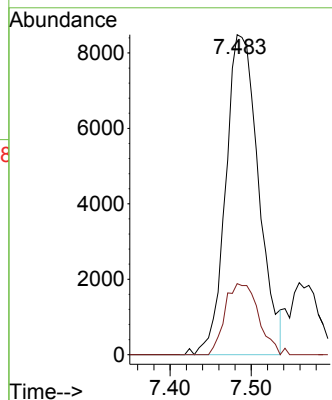
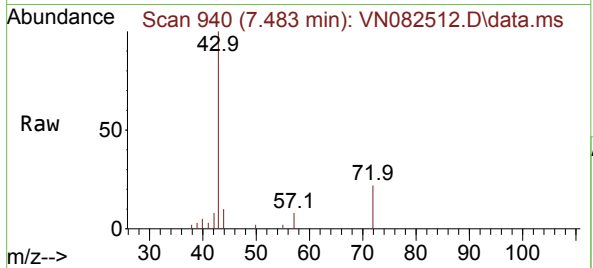




#25
2-Butanone
Concen: 13.545 ug/l
RT: 7.483 min Scan# 940
Delta R.T. 0.000 min
Lab File: VN082512.D
Acq: 10 Jun 2024 13:30

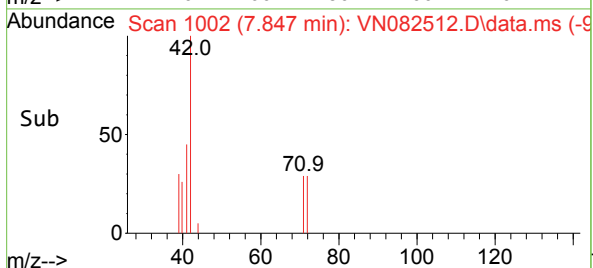
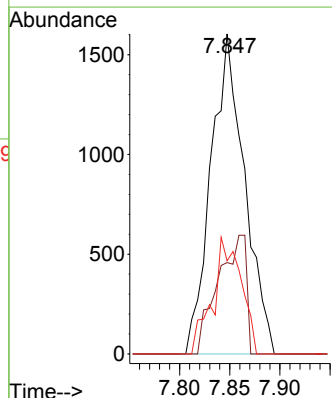
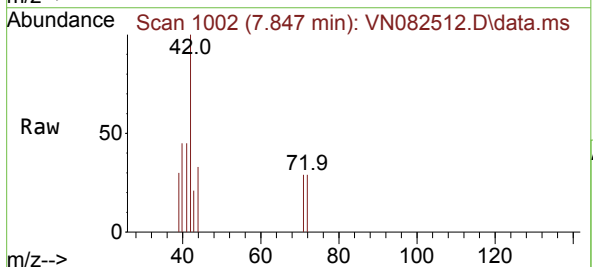
Instrument :
MSVOA_N
ClientSampleId :

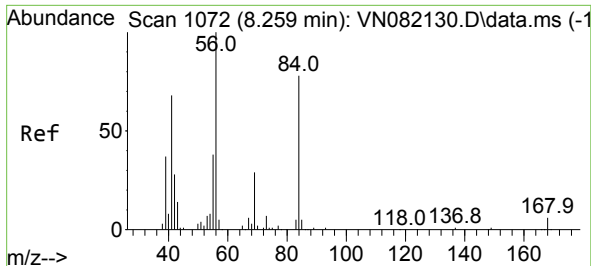
Tgt Ion: 43 Resp: 23852
Ion Ratio Lower Upper
43 100
72 22.2 25.3 37.9#



#29
Tetrahydrofuran
Concen: 3.311 ug/l
RT: 7.847 min Scan# 1002
Delta R.T. 0.011 min
Lab File: VN082512.D
Acq: 10 Jun 2024 13:30

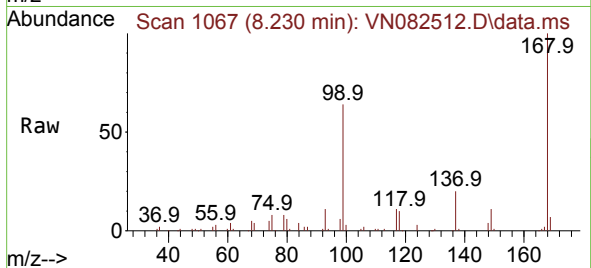
Tgt Ion: 42 Resp: 3744
Ion Ratio Lower Upper
42 100
72 31.1 39.3 58.9#
71 30.7 37.4 56.0#



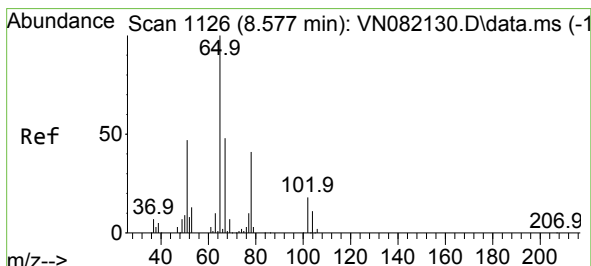
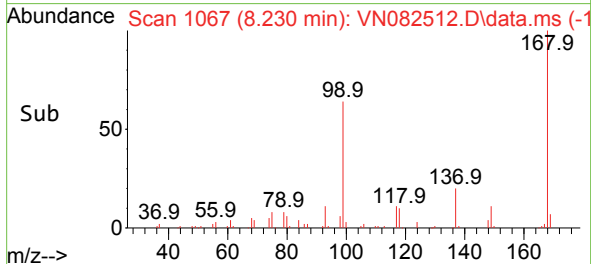
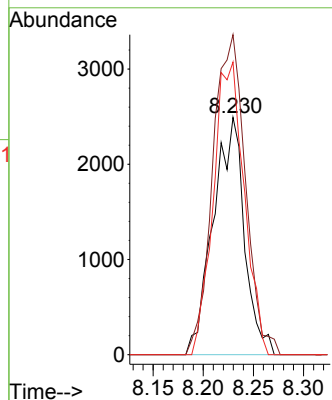


#31
Cyclohexane
Concen: 1.191 ug/l
RT: 8.230 min Scan# 1072
Delta R.T. -0.029 min
Lab File: VN082512.D
Acq: 10 Jun 2024 13:30

Instrument :
MSVOA_N
ClientSampleId :

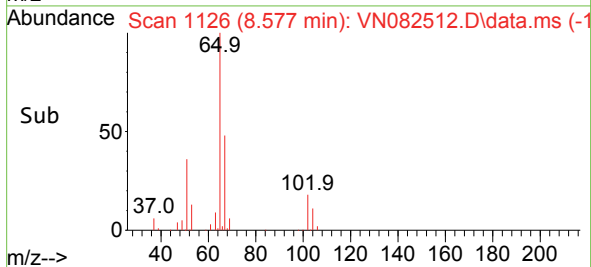
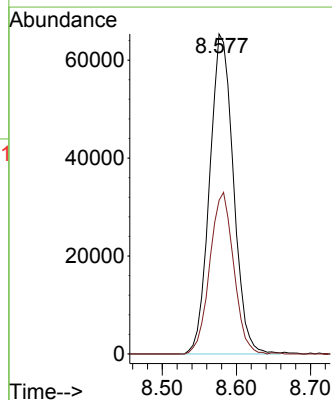
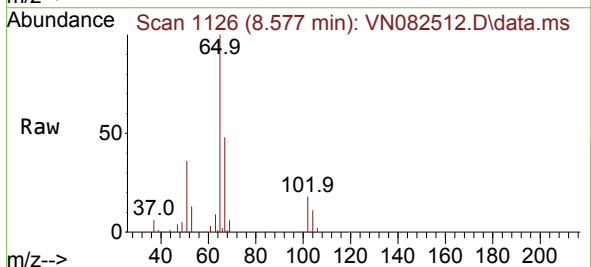


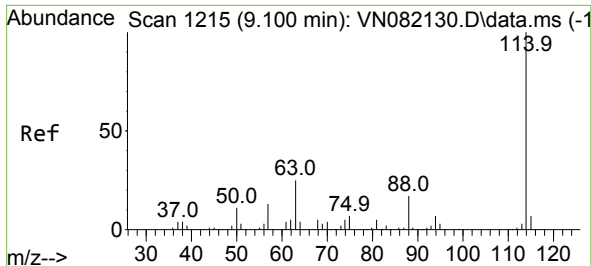
Tgt Ion: 56 Resp: 5387
Ion Ratio Lower Upper
56 100
69 134.9 24.4 36.6#
84 123.4 77.0 115.4#



#33
1,2-Dichloroethane-d4
Concen: 51.370 ug/l
RT: 8.577 min Scan# 1126
Delta R.T. 0.000 min
Lab File: VN082512.D
Acq: 10 Jun 2024 13:30

Tgt Ion: 65 Resp: 145446
Ion Ratio Lower Upper
65 100
67 50.7 0.0 103.0

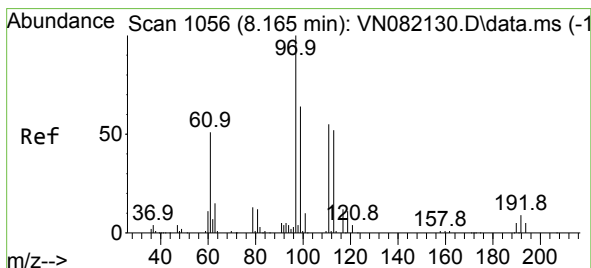
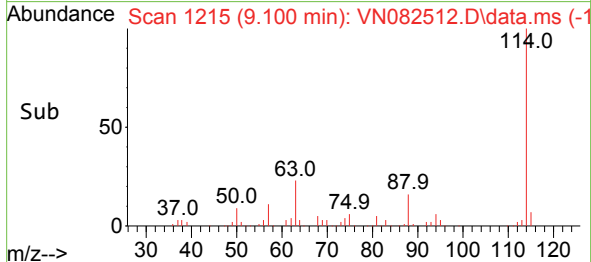
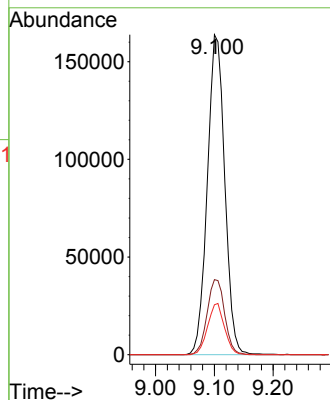
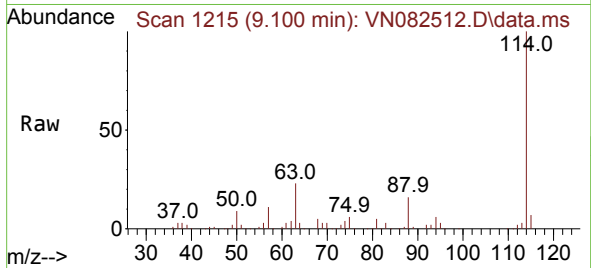




#34
1,4-Difluorobenzene
Concen: 50.000 ug/l
RT: 9.100 min Scan# 11
Delta R.T. 0.000 min
Lab File: VN082512.D
Acq: 10 Jun 2024 13:30

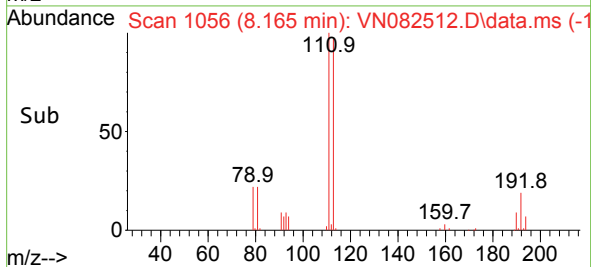
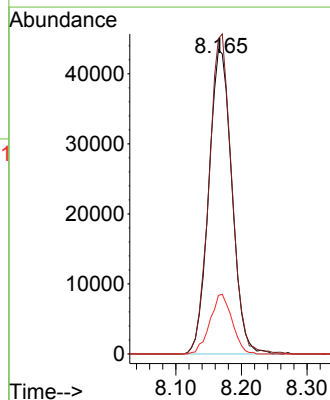
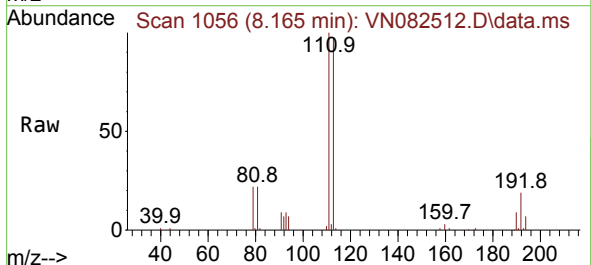
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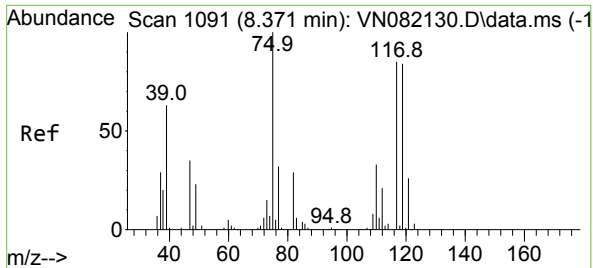
Tgt Ion:114 Resp: 337723
Ion Ratio Lower Upper
114 100
63 23.5 0.0 41.0
88 15.6 0.0 31.4



#35
Dibromofluoromethane
Concen: 51.276 ug/l
RT: 8.165 min Scan# 1056
Delta R.T. 0.000 min
Lab File: VN082512.D
Acq: 10 Jun 2024 13:30

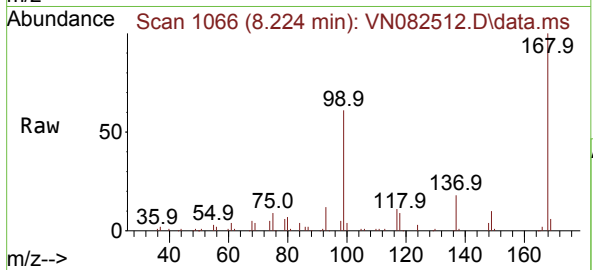
Tgt Ion:113 Resp: 106527
Ion Ratio Lower Upper
113 100
111 103.1 83.4 125.2
192 18.7 14.0 21.0



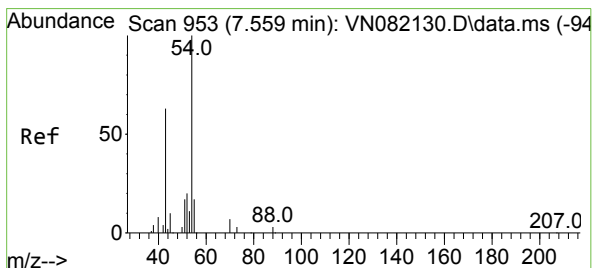
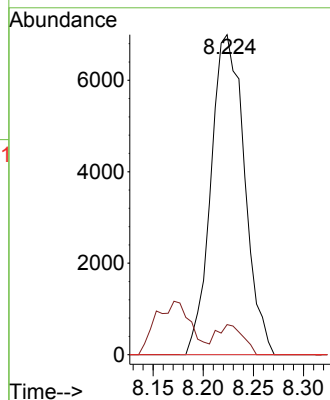
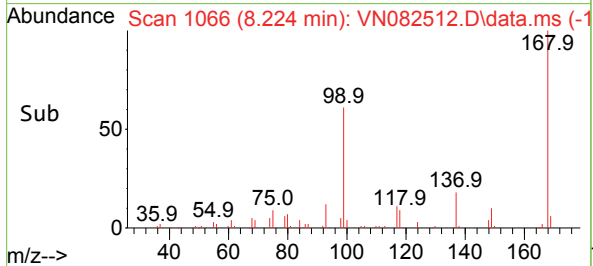


#36
1,1-Dichloropropene
Concen: 4.664 ug/l
RT: 8.224 min Scan# 1066
Delta R.T. -0.147 min
Lab File: VN082512.D
Acq: 10 Jun 2024 13:30

Instrument :
MSVOA_N
ClientSampleId :

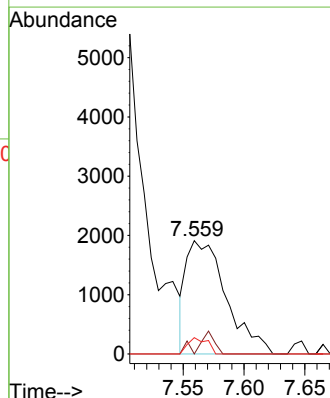
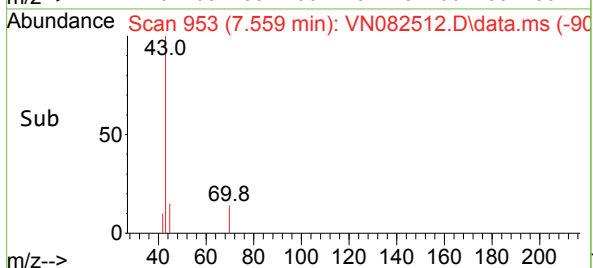
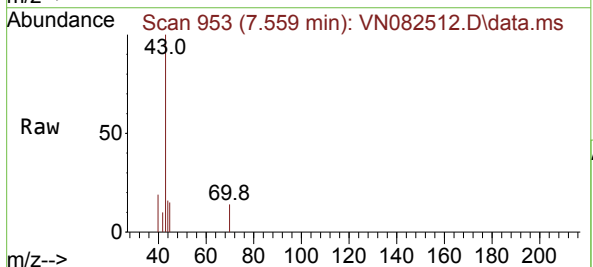


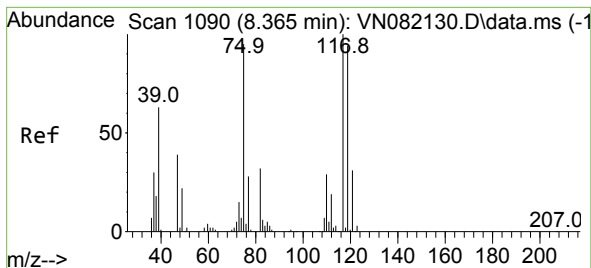
Tgt Ion: 75 Resp: 16252
Ion Ratio Lower Upper
75 100
110 7.3 17.8 53.5#
77 0.0 25.0 37.4#



#37
Ethyl Acetate
Concen: 1.118 ug/l
RT: 7.559 min Scan# 953
Delta R.T. 0.000 min
Lab File: VN082512.D
Acq: 10 Jun 2024 13:30

Tgt Ion: 43 Resp: 4358
Ion Ratio Lower Upper
43 100
61 7.9 11.3 16.9#
70 7.0 8.7 13.1#





#38

Carbon Tetrachloride

Concen: 5.646 ug/l

RT: 8.224 min Scan# 1

Delta R.T. -0.141 min

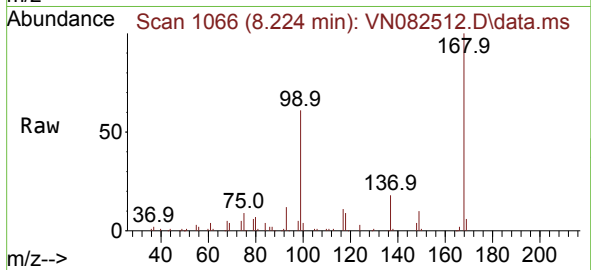
Lab File: VN082512.D

Acq: 10 Jun 2024 13:30

Instrument :

MSVOA_N

ClientSampleId :



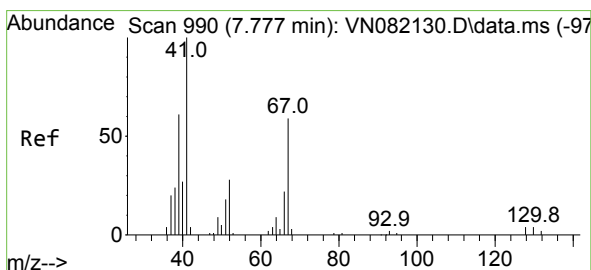
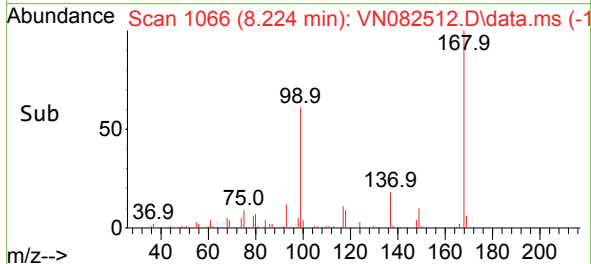
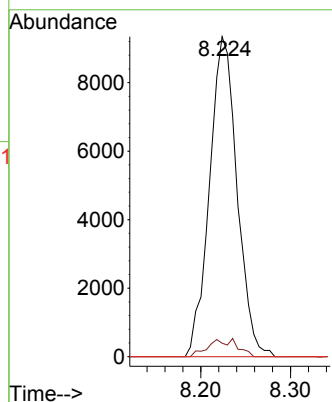
Tgt Ion:117 Resp: 19941

Ion Ratio Lower Upper

117 100

119 4.2 76.5 114.7#

121 0.0 23.9 35.9#



#41

Methacrylonitrile

Concen: 0.931 ug/l

RT: 7.841 min Scan# 1001

Delta R.T. 0.065 min

Lab File: VN082512.D

Acq: 10 Jun 2024 13:30

Tgt Ion: 41 Resp: 2136

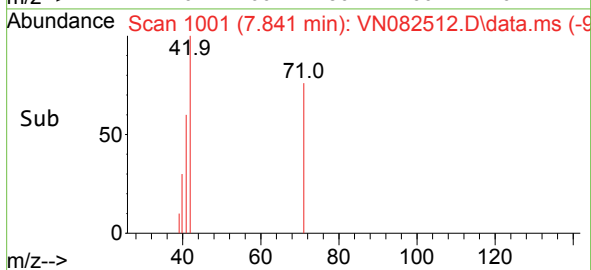
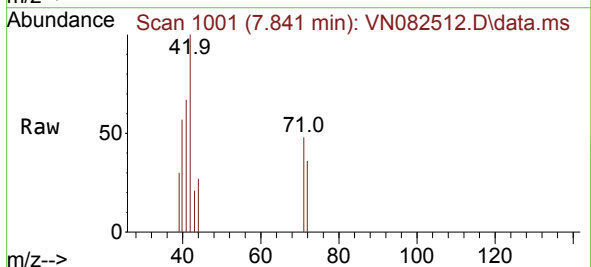
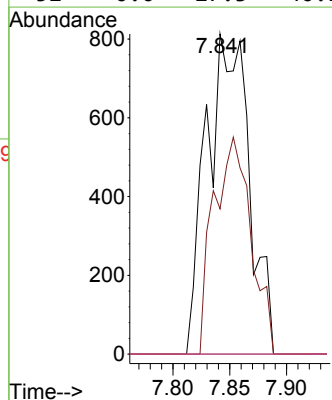
Ion Ratio Lower Upper

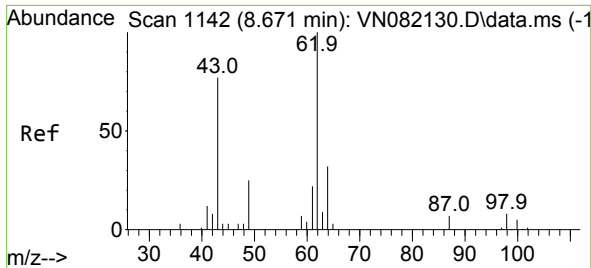
41 100

39 59.0 46.6 69.8

67 0.0 67.3 100.9#

52 0.0 27.3 40.9#





#42

1,2-Dichloroethane

Concen: 0.322 ug/l

RT: 8.683 min Scan# 1144

Delta R.T. 0.012 min

Lab File: VN082512.D

Acq: 10 Jun 2024 13:30

Instrument :

MSVOA_N

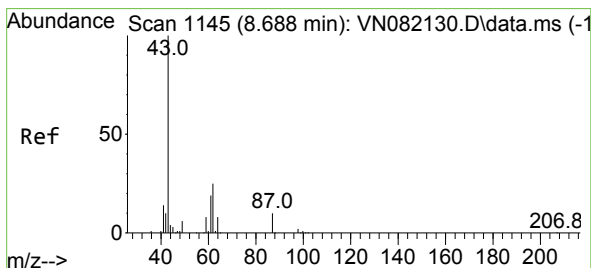
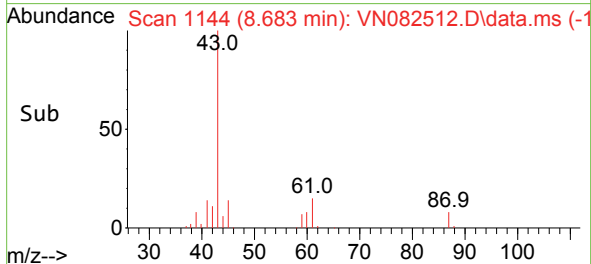
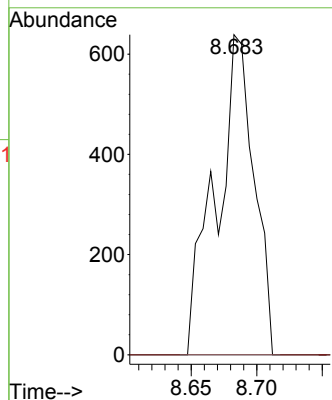
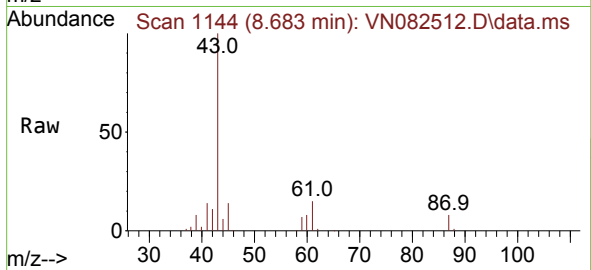
ClientSampleId :

Tgt Ion: 62 Resp: 1287

Ion Ratio Lower Upper

62 100

98 0.0 0.0 19.6



#43

Isopropyl Acetate

Concen: 38.423 ug/l

RT: 8.688 min Scan# 1145

Delta R.T. 0.000 min

Lab File: VN082512.D

Acq: 10 Jun 2024 13:30

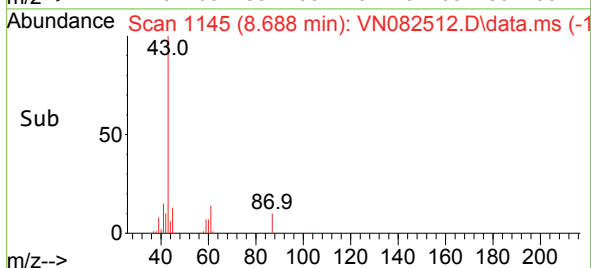
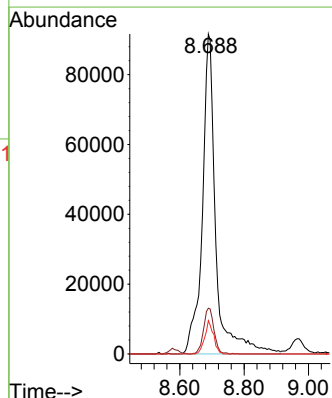
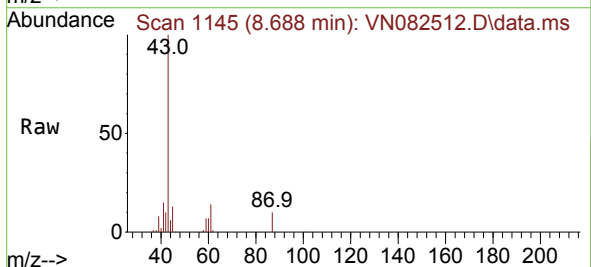
Tgt Ion: 43 Resp: 265481

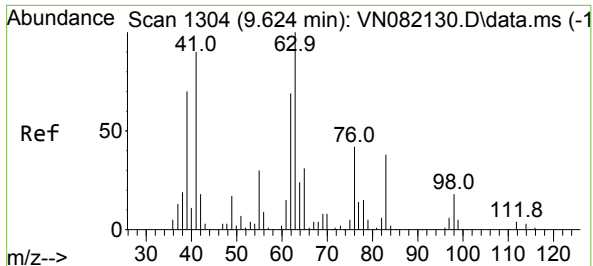
Ion Ratio Lower Upper

43 100

61 11.1 22.8 34.2#

87 6.8 12.0 18.0#





#45

1,2-Dichloropropane

Concen: 0.657 ug/l

RT: 9.735 min Scan# 11

Delta R.T. 0.112 min

Lab File: VN082512.D

Acq: 10 Jun 2024 13:30

Instrument :

MSVOA_N

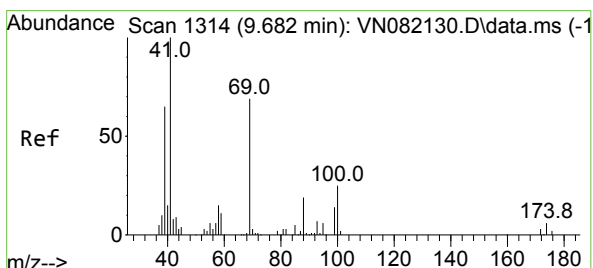
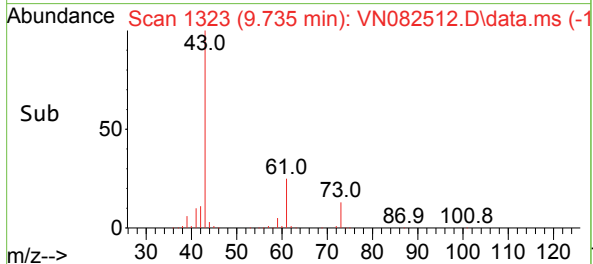
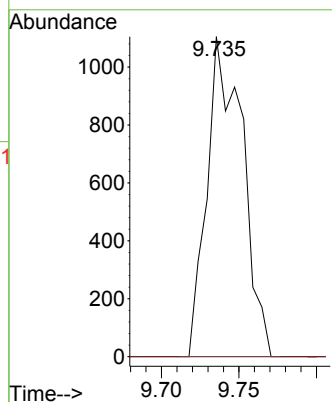
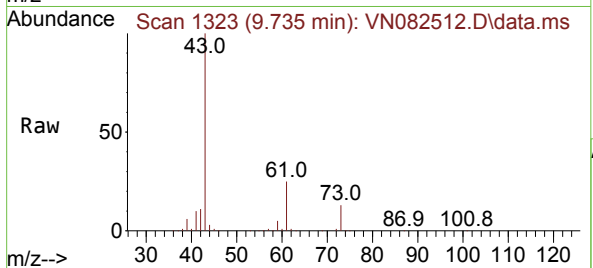
ClientSampleId :

Tgt Ion: 63 Resp: 1761

Ion Ratio Lower Upper

63 100

65 0.0 24.1 36.1#



#48

Methyl methacrylate

Concen: 49.166 ug/l

RT: 9.741 min Scan# 1324

Delta R.T. 0.059 min

Lab File: VN082512.D

Acq: 10 Jun 2024 13:30

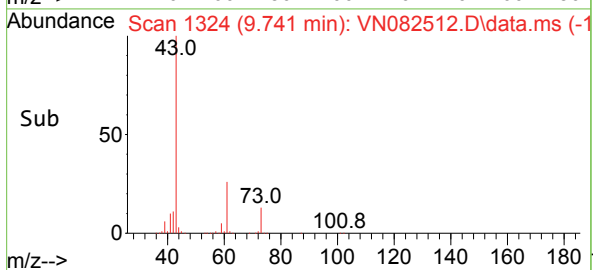
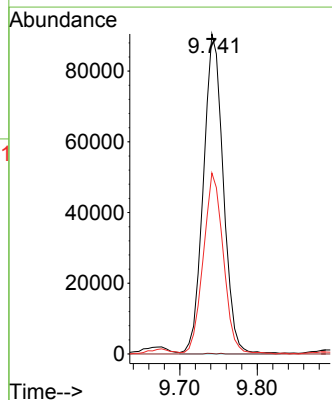
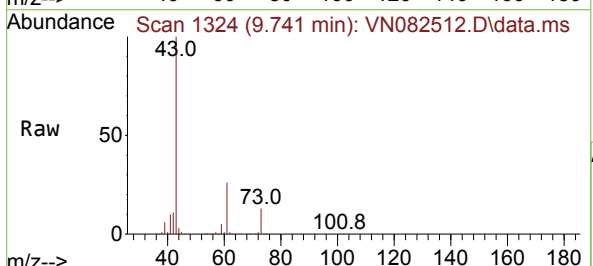
Tgt Ion: 41 Resp: 161871

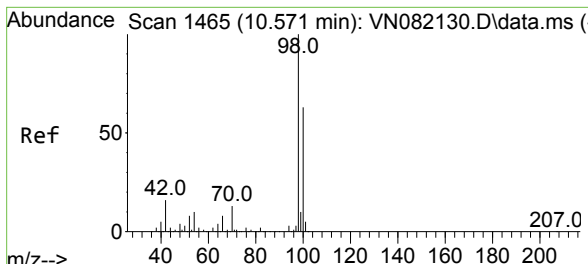
Ion Ratio Lower Upper

41 100

69 0.1 77.9 116.9#

39 57.0 50.9 76.3



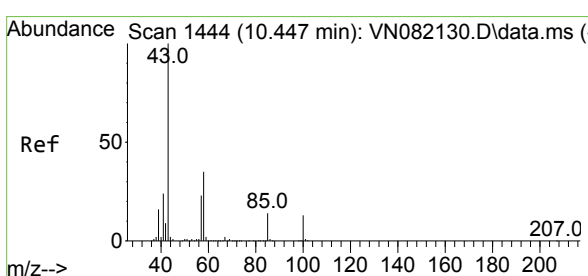
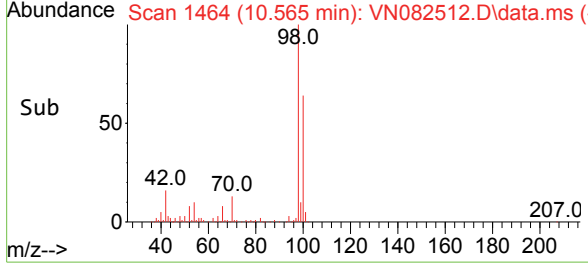
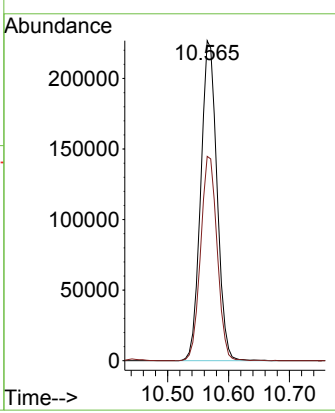
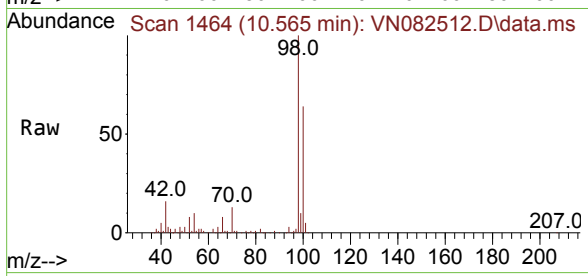


#50
 Toluene-d8
 Concen: 52.701 ug/l
 RT: 10.565 min Scan# 1464
 Delta R.T. -0.006 min
 Lab File: VN082512.D
 Acq: 10 Jun 2024 13:30

Instrument :
 MSVOA_N
 ClientSampleId :

Tgt Ion: 98 Resp: 419762

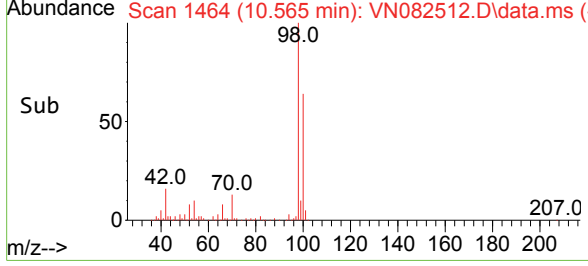
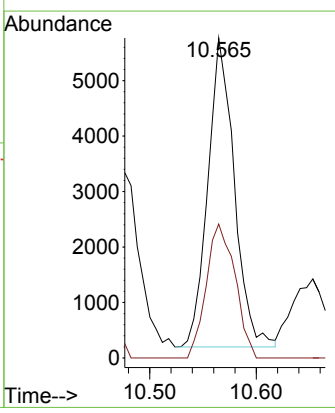
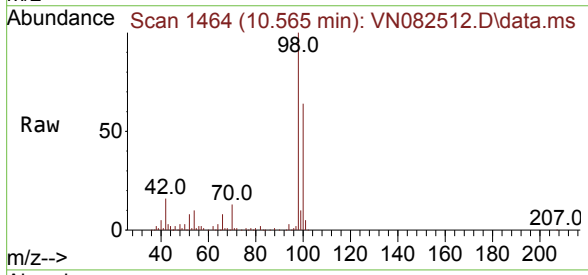
Ion	Ratio	Lower	Upper
98	100		
100	65.0	51.8	77.6

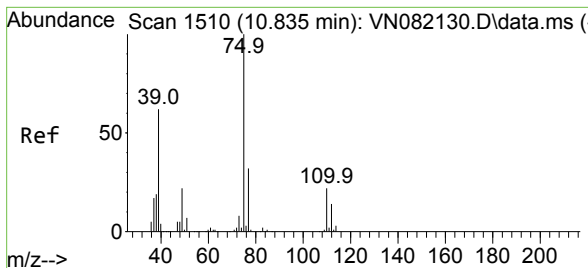


#51
 4-Methyl-2-Pentanone
 Concen: 2.445 ug/l
 RT: 10.565 min Scan# 1464
 Delta R.T. 0.118 min
 Lab File: VN082512.D
 Acq: 10 Jun 2024 13:30

Tgt Ion: 43 Resp: 9599

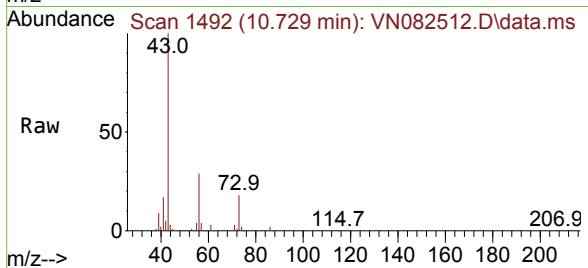
Ion	Ratio	Lower	Upper
43	100		
58	47.0	33.2	49.8



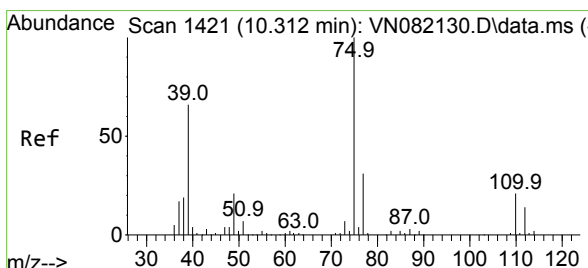
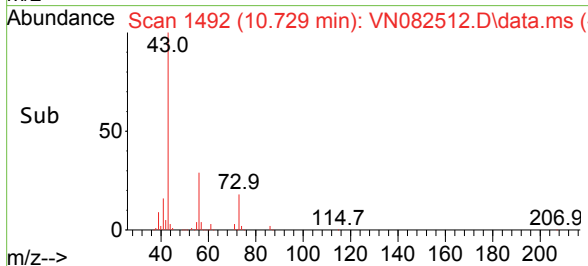
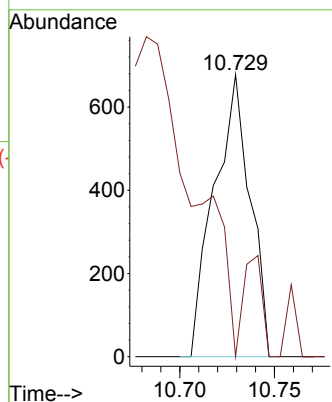


#53
 t-1,3-Dichloropropene
 Concen: 0.233 ug/l
 RT: 10.729 min Scan# 1492
 Delta R.T. -0.106 min
 Lab File: VN082512.D
 Acq: 10 Jun 2024 13:30

Instrument :
 MSVOA_N
 ClientSampleId :

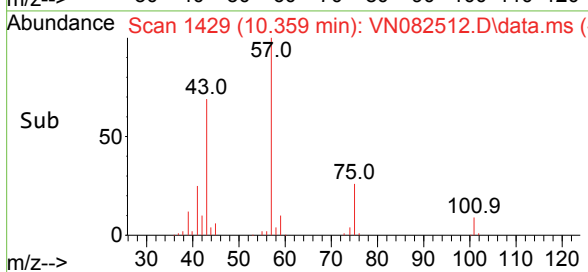
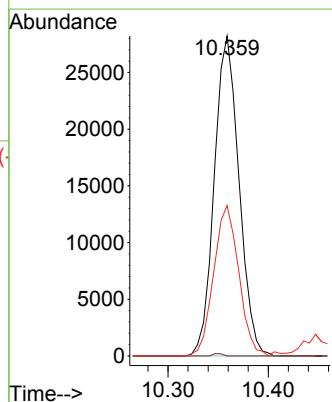
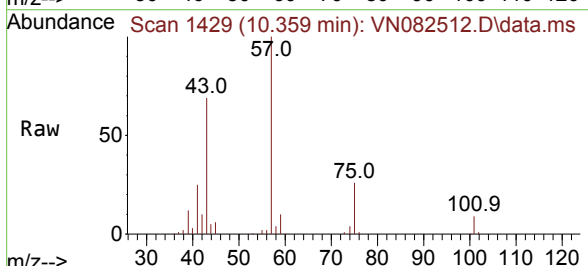


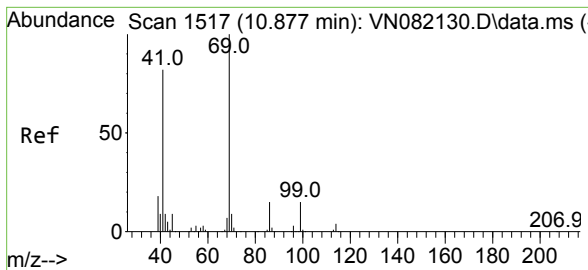
Tgt Ion: 75 Resp: 894
 Ion Ratio Lower Upper
 75 100
 77 0.0 25.4 38.0#



#54
 cis-1,3-Dichloropropene
 Concen: 11.858 ug/l
 RT: 10.359 min Scan# 1429
 Delta R.T. 0.047 min
 Lab File: VN082512.D
 Acq: 10 Jun 2024 13:30

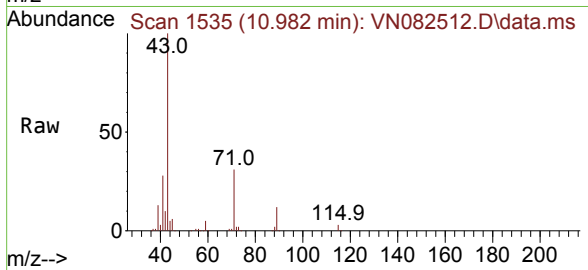
Tgt Ion: 75 Resp: 48233
 Ion Ratio Lower Upper
 75 100
 77 0.0 25.0 37.4#
 39 47.0 34.8 52.2



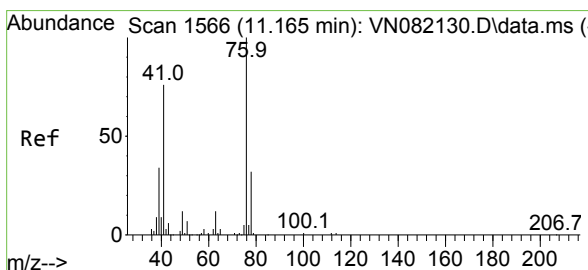
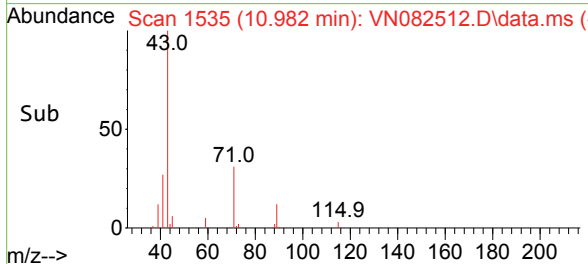
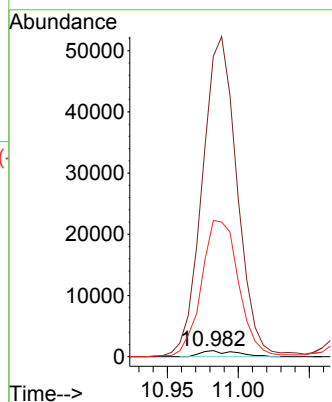


#56
Ethyl methacrylate
Concen: 0.453 ug/l
RT: 10.982 min Scan# 1535
Delta R.T. 0.106 min
Lab File: VN082512.D
Acq: 10 Jun 2024 13:30

Instrument :
MSVOA_N
ClientSampleId :

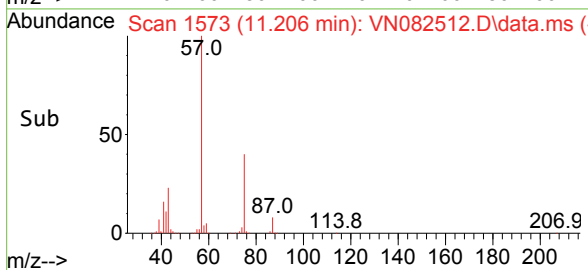
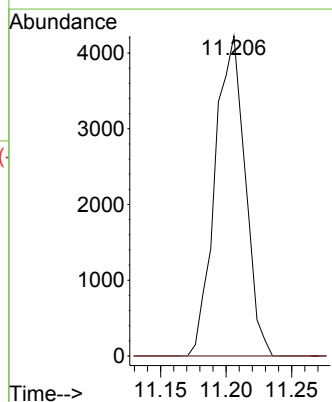
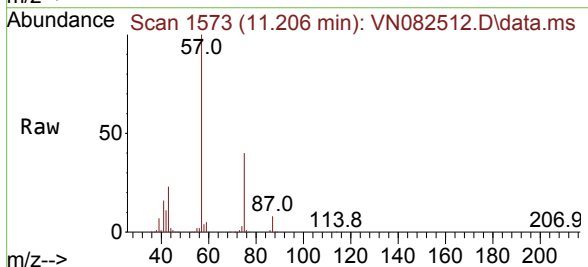


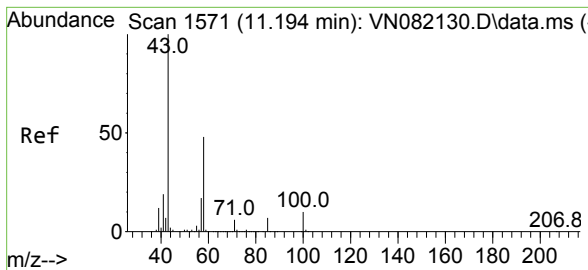
Tgt Ion: 69 Resp: 1741
Ion Ratio Lower Upper
69 100
41 5155.2 46.6 70.0#
39 2342.0 26.5 39.7#



#57
1,3-Dichloropropane
Concen: 1.592 ug/l
RT: 11.206 min Scan# 1573
Delta R.T. 0.041 min
Lab File: VN082512.D
Acq: 10 Jun 2024 13:30

Tgt Ion: 76 Resp: 6745
Ion Ratio Lower Upper
76 100
78 0.0 25.8 38.6#

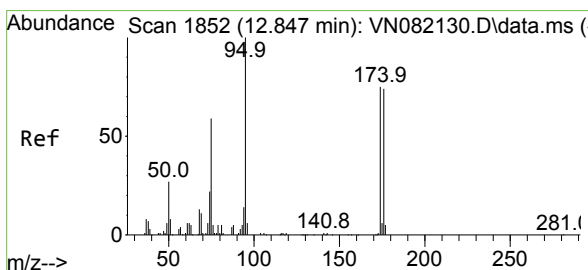
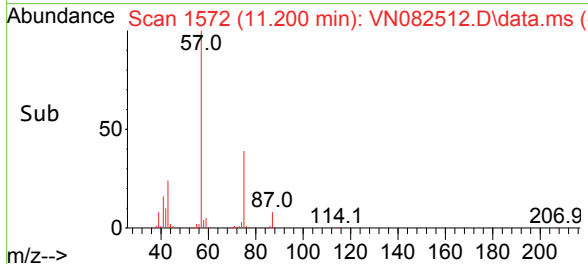
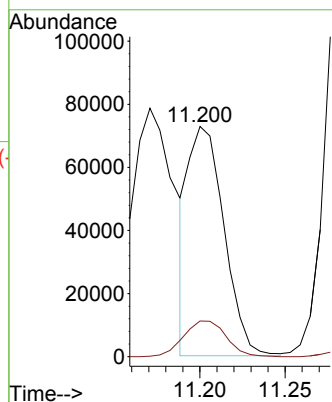
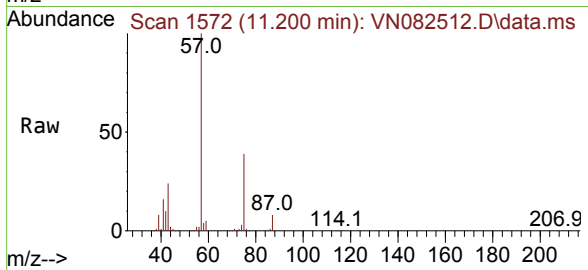




#59
2-Hexanone
Concen: 36.940 ug/l
RT: 11.200 min Scan# 11
Delta R.T. 0.006 min
Lab File: VN082512.D
Acq: 10 Jun 2024 13:30

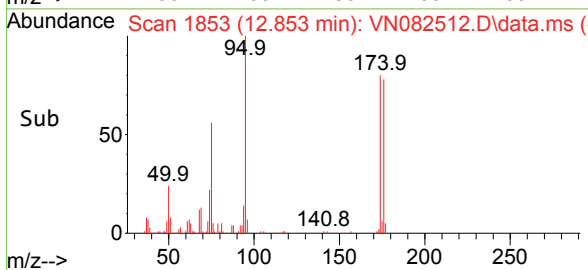
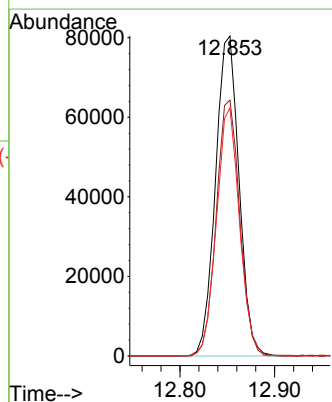
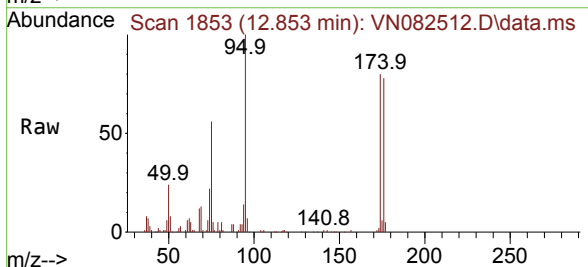
Instrument :
MSVOA_N
ClientSampleId :

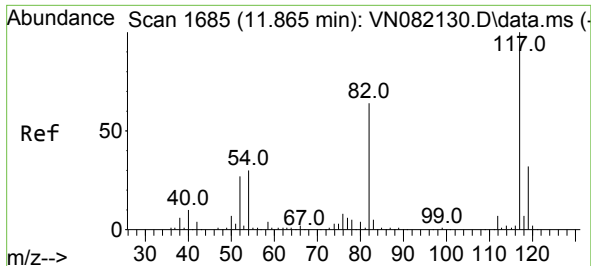
Tgt Ion: 43 Resp: 106181
Ion Ratio Lower Upper
43 100
58 18.6 28.3 84.9#



#62
4-Bromofluorobenzene
Concen: 48.909 ug/l
RT: 12.853 min Scan# 1853
Delta R.T. 0.006 min
Lab File: VN082512.D
Acq: 10 Jun 2024 13:30

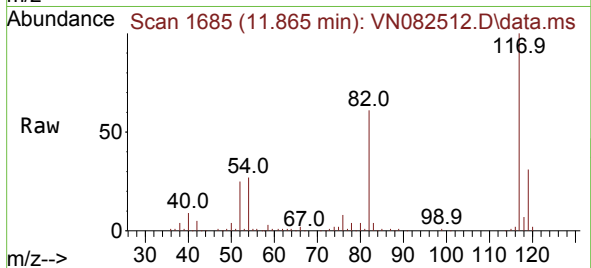
Tgt Ion: 95 Resp: 139043
Ion Ratio Lower Upper
95 100
174 79.8 0.0 160.6
176 75.8 0.0 152.8



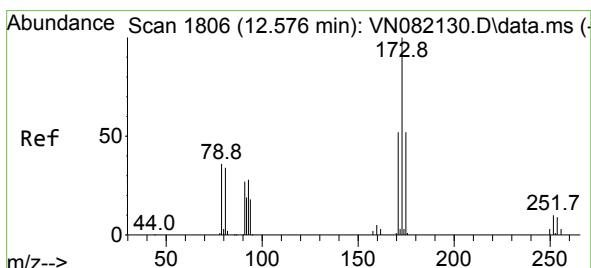
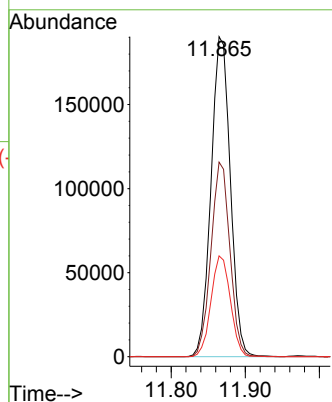
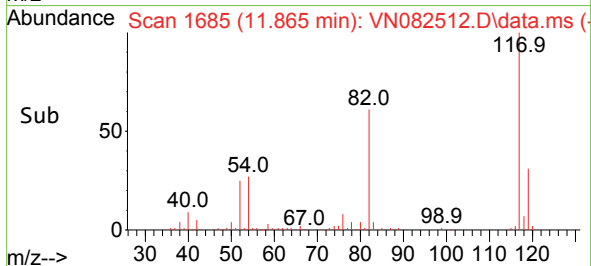


#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.865 min Scan# 11
Delta R.T. 0.000 min
Lab File: VN082512.D
Acq: 10 Jun 2024 13:30

Instrument :
MSVOA_N
ClientSampleId :

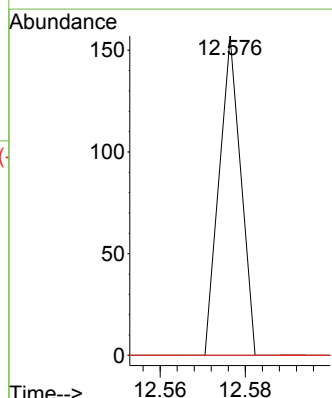
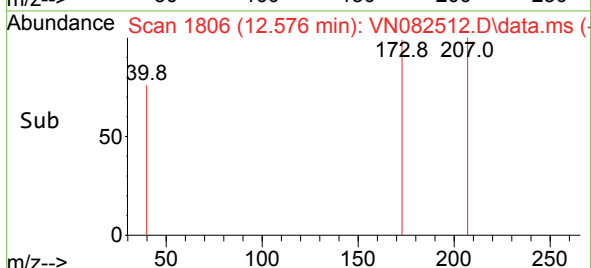
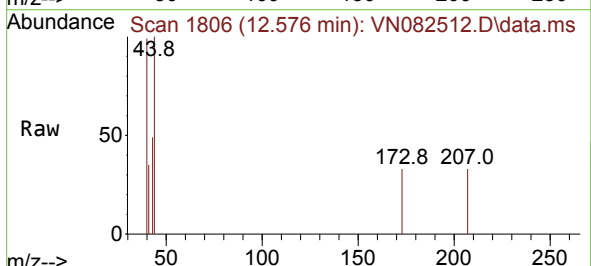


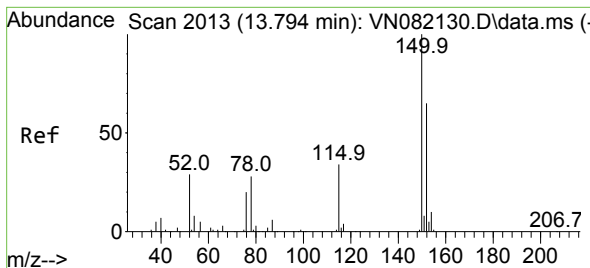
Tgt Ion:117 Resp: 343913
Ion Ratio Lower Upper
117 100
82 60.8 44.6 66.8
119 31.5 25.9 38.9



#71
Bromoform
Concen: 0.728 ug/l
RT: 12.576 min Scan# 1806
Delta R.T. 0.000 min
Lab File: VN082512.D
Acq: 10 Jun 2024 13:30

Tgt Ion:173 Resp: 55
Ion Ratio Lower Upper
173 100
175 0.0 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# 20

Delta R.T. 0.000 min

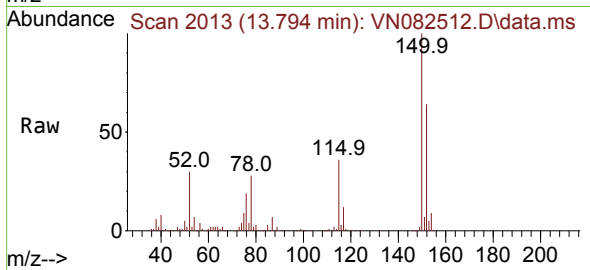
Lab File: VN082512.D

Acq: 10 Jun 2024 13:30

Instrument :

MSVOA_N

ClientSampleId :



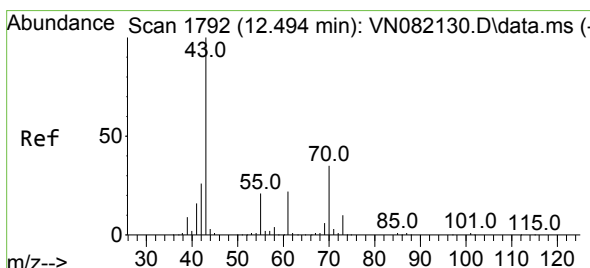
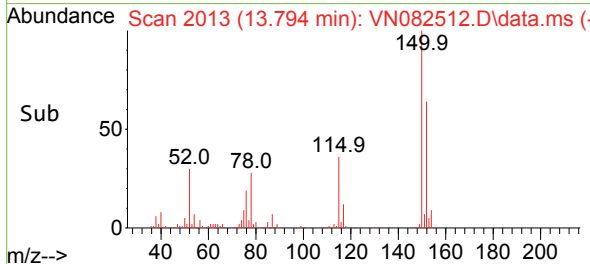
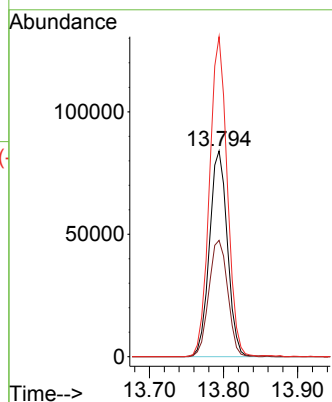
Tgt Ion:152 Resp: 141371

Ion Ratio Lower Upper

152 100

115 59.3 30.4 91.3

150 153.4 0.0 353.2



#74

N-ethyl acetate

Concen: 0.336 ug/l

RT: 12.482 min Scan# 1790

Delta R.T. -0.012 min

Lab File: VN082512.D

Acq: 10 Jun 2024 13:30

Tgt Ion: 43 Resp: 2074

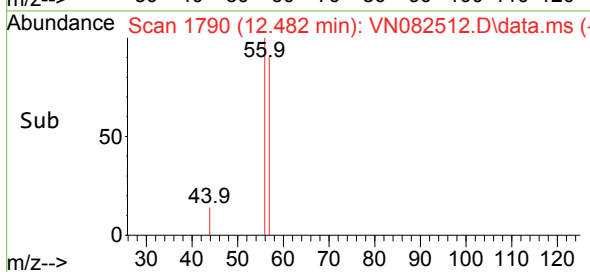
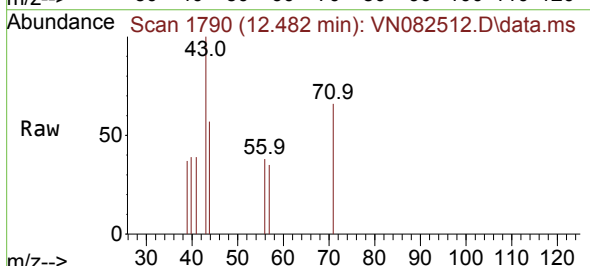
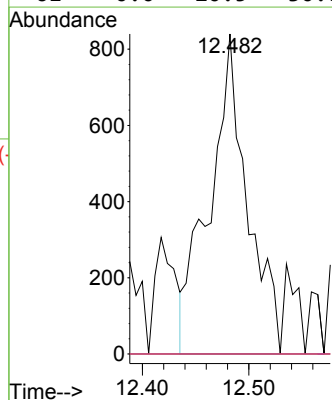
Ion Ratio Lower Upper

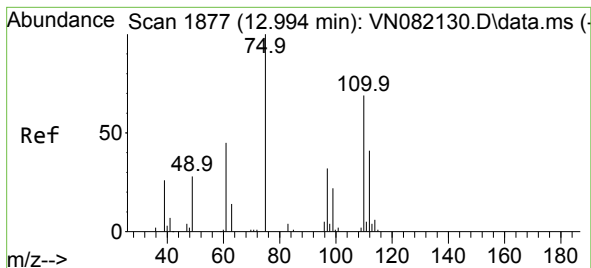
43 100

70 0.0 39.0 58.4#

55 0.0 21.3 31.9#

61 0.0 20.5 30.7#





#76

1,2,3-Trichloropropane

Concen: 27.331 ug/l

RT: 12.847 min Scan# 1852

Delta R.T. -0.147 min

Lab File: VN082512.D

Acq: 10 Jun 2024 13:30

Instrument :

MSVOA_N

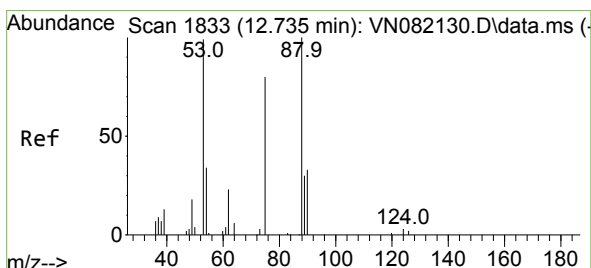
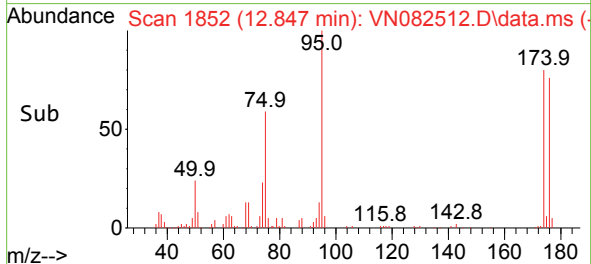
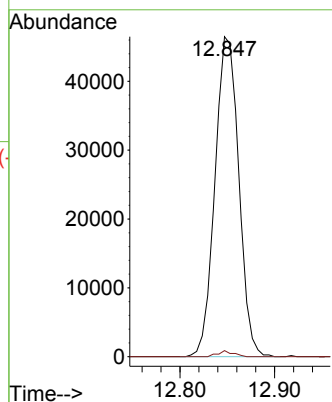
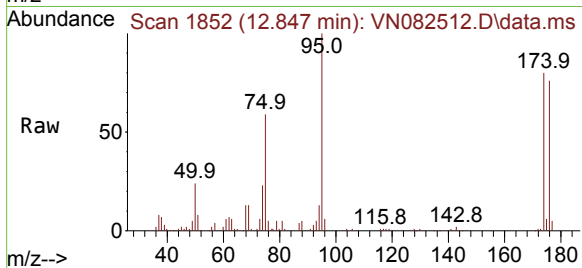
ClientSampleId :

Tgt Ion: 75 Resp: 81323

Ion Ratio Lower Upper

75 100

77 1.2 90.5 271.3#



#81

trans-1,4-Dichloro-2-butene

Concen: 63.925 ug/l

RT: 12.847 min Scan# 1852

Delta R.T. 0.112 min

Lab File: VN082512.D

Acq: 10 Jun 2024 13:30

Tgt Ion: 75 Resp: 81323

Ion Ratio Lower Upper

75 100

53 0.1 72.9 109.3#

89 0.0 39.1 58.7#

