

Data Path : Z:\voasrv\HPCHEM1\MSVOA_N\Data\VN060524\
 Data File : VN082468.D
 Acq On : 05 Jun 2024 14:12
 Operator : JC\MD
 Sample : PB161297ZHE#04
 Misc : 5.0mL/MSVOA_N/WATER
 ALS Vial : 12 Sample Multiplier: 1

Instrument :
 MSVOA_N
 ClientSampleId :

Quant Time: Jun 06 00:56:20 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)

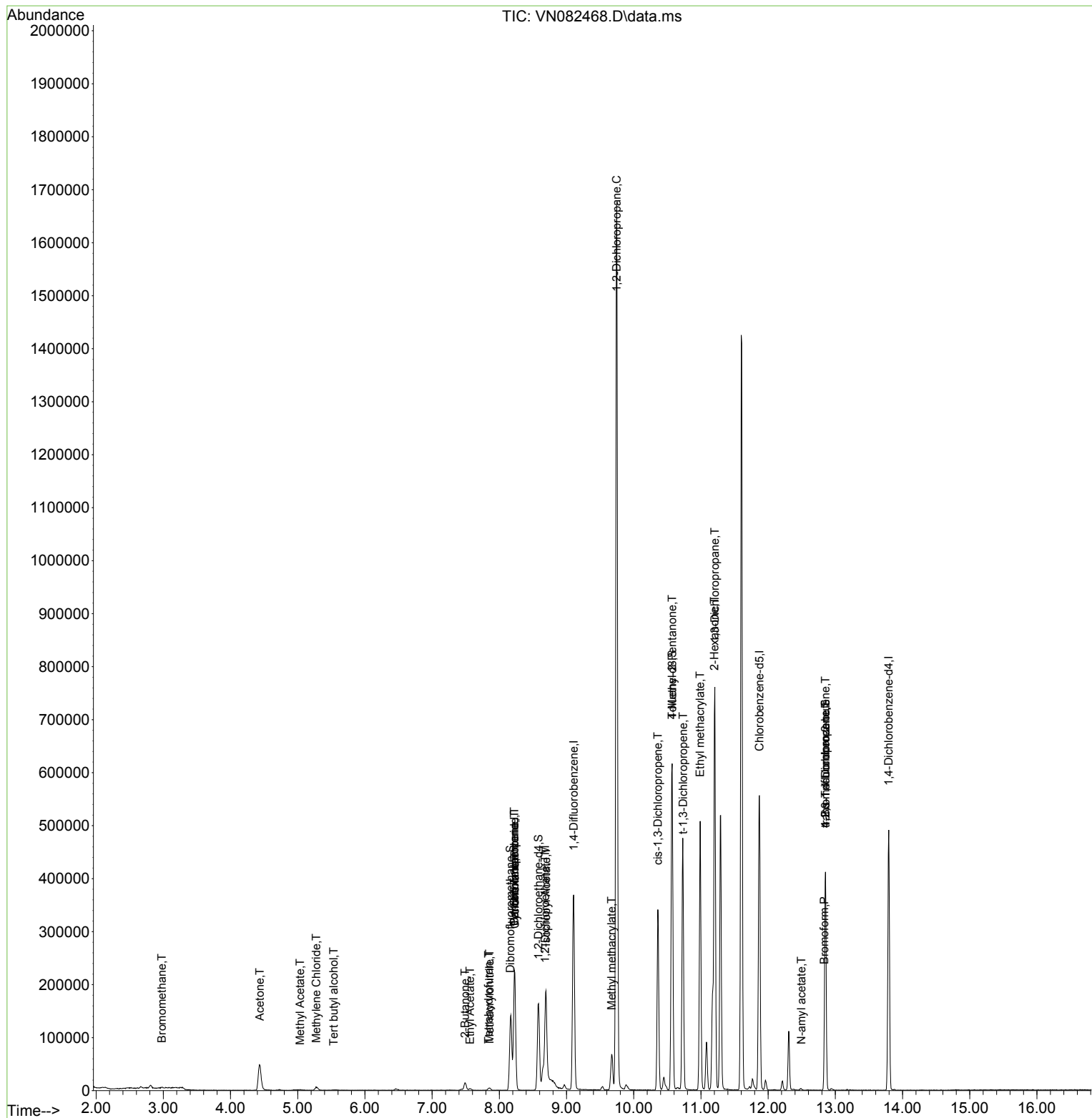
Internal Standards						
1) Pentafluorobenzene	8.224	168	156919	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	9.106	114	290972	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.871	117	299260	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.794	152	123572	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.583	65	138585	55.931	ug/l	0.00
Spiked Amount 50.000	Range 74 - 125		Recovery = 111.860%			
35) Dibromofluoromethane	8.165	113	98738	55.163	ug/l	0.00
Spiked Amount 50.000	Range 75 - 124		Recovery = 110.320%			
50) Toluene-d8	10.571	98	394339	57.463	ug/l	0.00
Spiked Amount 50.000	Range 86 - 113		Recovery = 114.920%#			
62) 4-Bromofluorobenzene	12.853	95	133422	54.472	ug/l	0.00
Spiked Amount 50.000	Range 64 - 133		Recovery = 108.940%			
Target Compounds					Qvalue	
5) Bromomethane	2.977	94	467	0.337	ug/l #	78
11) Tert butyl alcohol	5.536	59	650	1.634	ug/l #	71
16) Acetone	4.436	43	96744	95.180	ug/l #	88
18) Methyl Acetate	5.036	43	3070	1.213	ug/l #	60
20) Methylene Chloride	5.277	84	4449	2.169	ug/l #	79
25) 2-Butanone	7.489	43	23401	15.185	ug/l #	79
29) Tetrahydrofuran	7.841	42	3514	3.551	ug/l #	82
31) Cyclohexane	8.230	56	4504	1.138	ug/l #	42
36) 1,1-Dichloropropene	8.224	75	15067	5.019	ug/l #	48
37) Ethyl Acetate	7.565	43	5461	1.625	ug/l #	78
38) Carbon Tetrachloride	8.224	117	17323	5.692	ug/l #	15
41) Methacrylonitrile	7.853	41	2530	1.280	ug/l #	30
42) 1,2-Dichloroethane	8.683	62	1095	0.318	ug/l #	73
43) Isopropyl Acetate	8.694	43	261657	43.954	ug/l #	73
45) 1,2-Dichloropropane	9.747	63	1952	0.845	ug/l #	45
48) Methyl methacrylate	9.671	41	5209	1.836	ug/l #	39
51) 4-Methyl-2-Pentanone	10.571	43	9234	2.730	ug/l	90
53) t-1,3-Dichloropropene	10.735	75	1030	0.311	ug/l #	60
54) cis-1,3-Dichloropropene	10.359	75	51143	14.593	ug/l #	74
56) Ethyl methacrylate	10.988	69	1887	0.569	ug/l #	1
57) 1,3-Dichloropropane	11.206	76	6970	1.909	ug/l #	42
59) 2-Hexanone	11.200	43	114956	46.418	ug/l #	47
71) Bromoform	12.835	173	170	0.798	ug/l #	28
74) N-amyl acetate	12.494	43	1736	0.321	ug/l #	39
76) 1,2,3-Trichloropropane	12.853	75	76630	29.463	ug/l #	1
81) trans-1,4-Dichloro-2-b...	12.853	75	76630	68.913	ug/l #	12

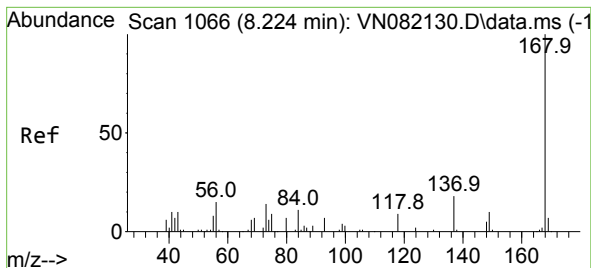
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Data Path : Z:\voasrv\HPCHEM1\MSVOA_N\Data\VN060524\
Data File : VN082468.D
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Sample : PB161297ZHE#04
Misc : 5.0mL/MSVOA_N/WATER
ALS Vial : 12 Sample Multiplier: 1

Instrument :
MSVOA_N
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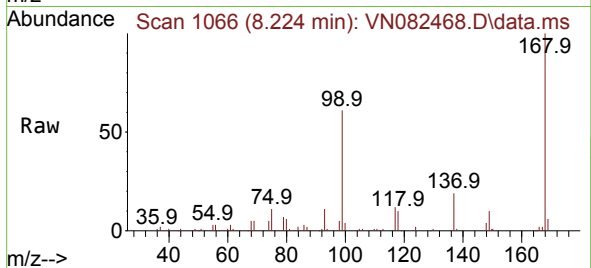
Quant Time: Jun 06 00:56:20 2024
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_N\methods\82N051524W.M
Quant Title : SW846 8260
QLast Update : Thu May 16 05:21:06 2024
Response via : Initial Calibration



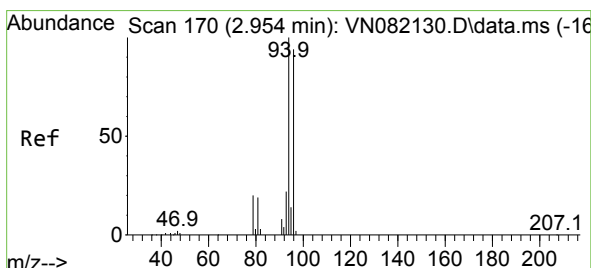
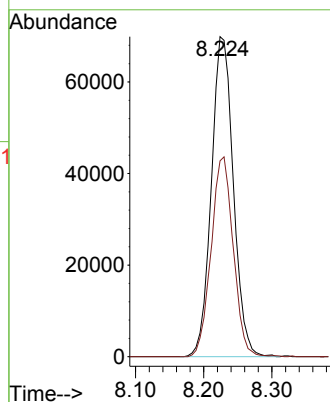
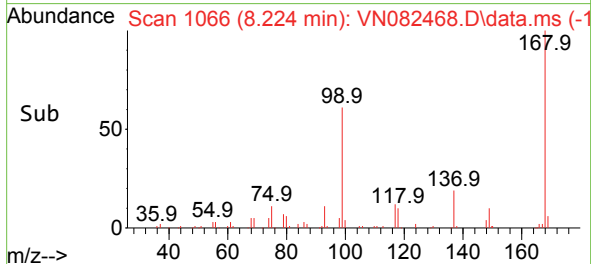


#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 8.224 min Scan# 1066
Delta R.T. -0.000 min
Lab File: VN082468.D
Acq: 05 Jun 2024 14:12

Instrument :
MSVOA_N
ClientSampleId :

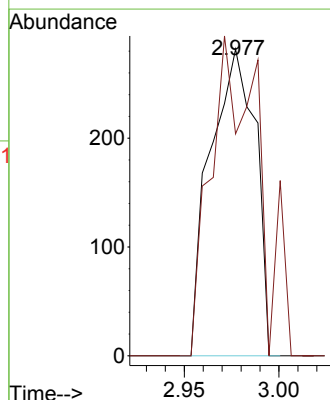
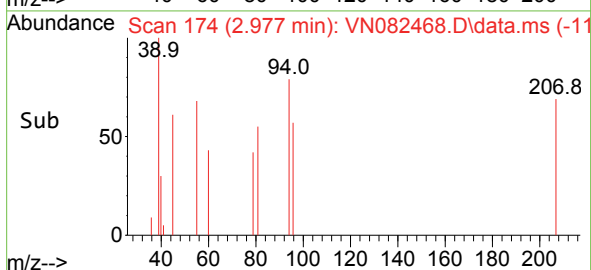
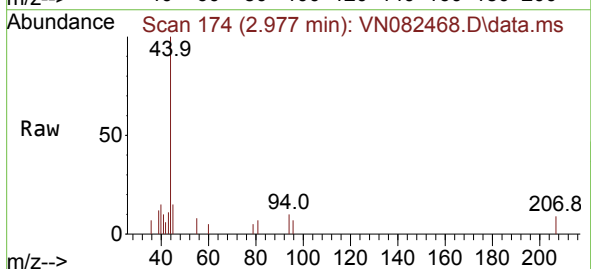


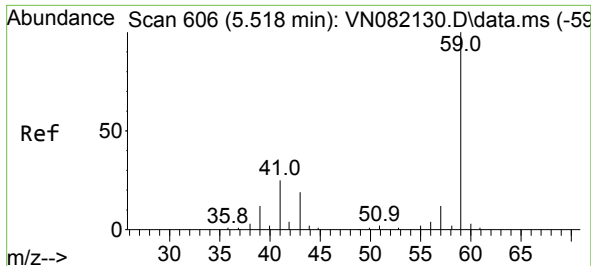
Tgt Ion:168 Resp: 156919
Ion Ratio Lower Upper
168 100
99 61.2 48.2 72.4



#5
Bromomethane
Concen: 0.337 ug/l
RT: 2.977 min Scan# 174
Delta R.T. 0.024 min
Lab File: VN082468.D
Acq: 05 Jun 2024 14:12

Tgt Ion: 94 Resp: 467
Ion Ratio Lower Upper
94 100
96 72.3 74.8 112.2#

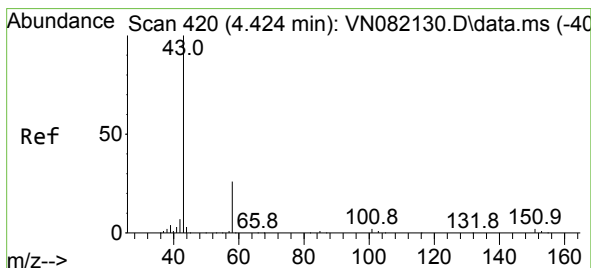
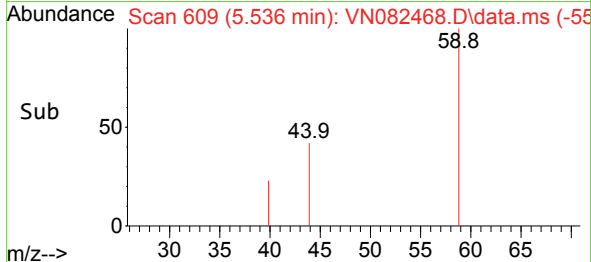
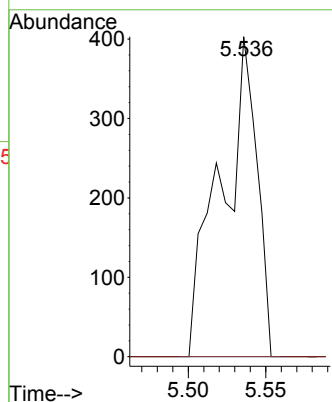
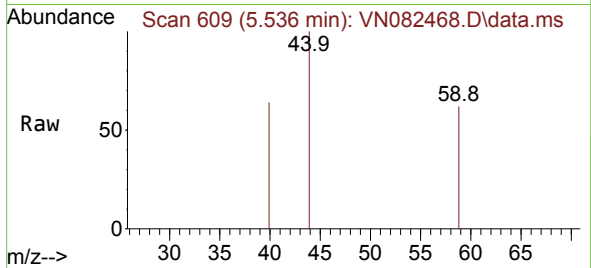




#11
Tert butyl alcohol
Concen: 1.634 ug/l
RT: 5.536 min Scan# 606
Delta R.T. 0.018 min
Lab File: VN082468.D
Acq: 05 Jun 2024 14:12

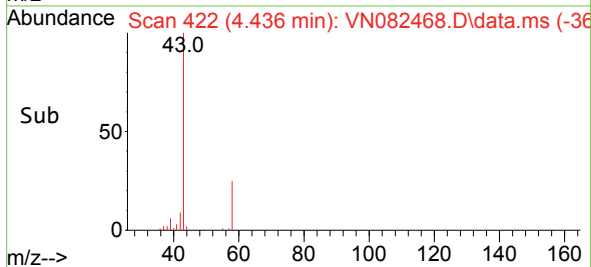
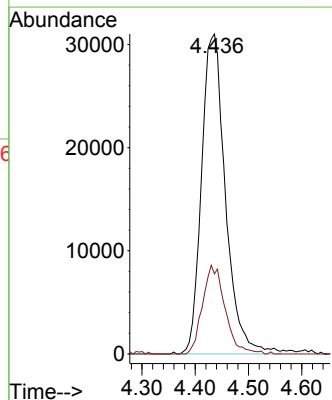
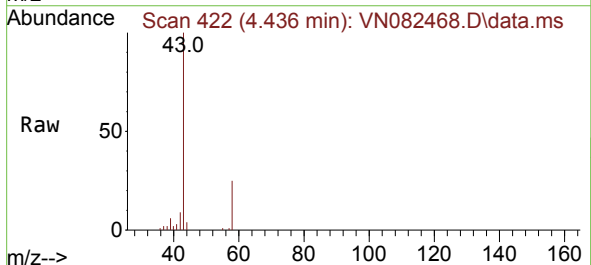
Instrument :
MSVOA_N
ClientSampleId :

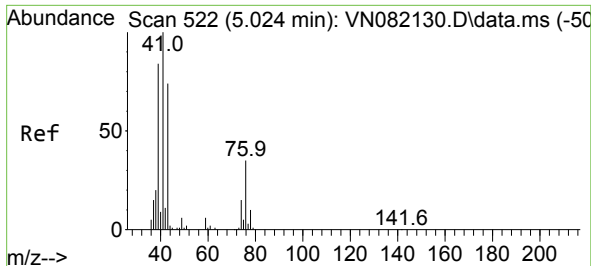
Tgt Ion: 59 Resp: 650
Ion Ratio Lower Upper
59 100
57 0.0 8.9 13.3#



#16
Acetone
Concen: 95.180 ug/l
RT: 4.436 min Scan# 422
Delta R.T. 0.012 min
Lab File: VN082468.D
Acq: 05 Jun 2024 14:12

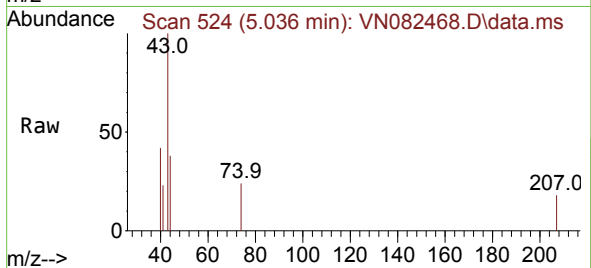
Tgt Ion: 43 Resp: 96744
Ion Ratio Lower Upper
43 100
58 25.1 25.2 37.8#



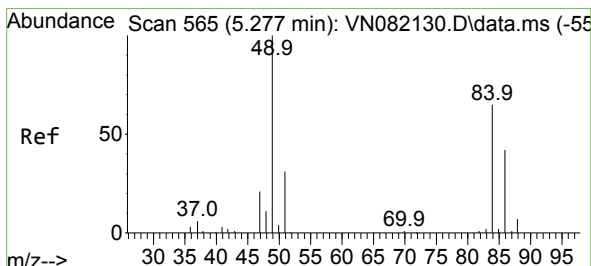
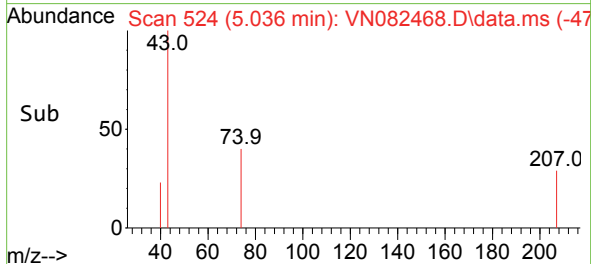
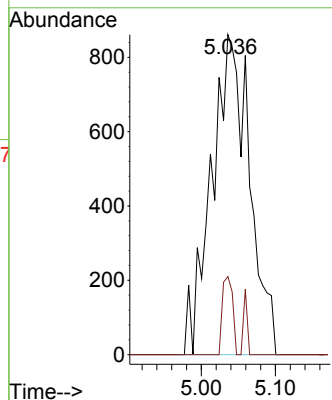


#18
Methyl Acetate
Concen: 1.213 ug/l
RT: 5.036 min Scan# 51
Delta R.T. 0.012 min
Lab File: VN082468.D
Acq: 05 Jun 2024 14:12

Instrument :
MSVOA_N
ClientSampleId :

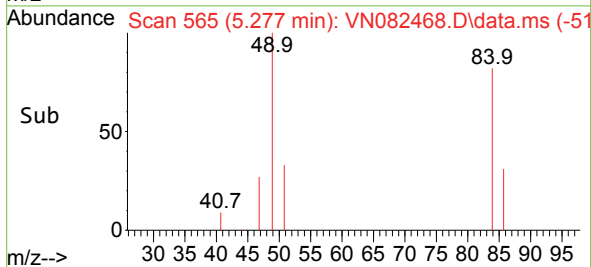
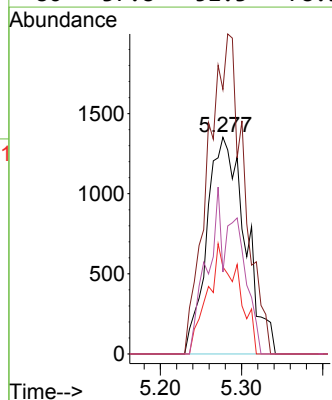
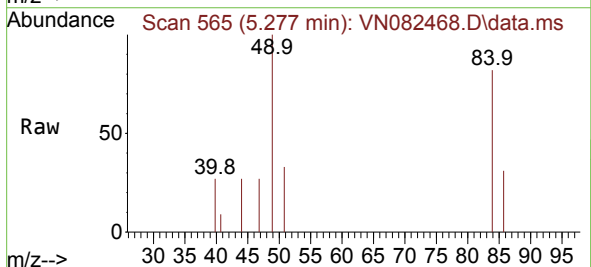


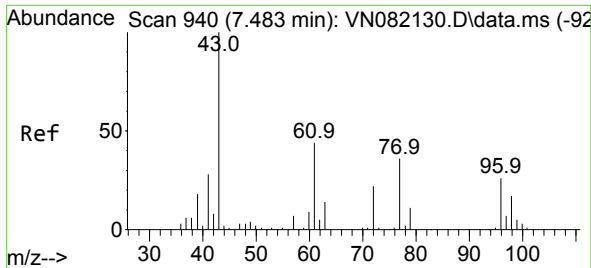
Tgt Ion: 43 Resp: 3070
Ion Ratio Lower Upper
43 100
74 6.6 22.2 33.2#



#20
Methylene Chloride
Concen: 2.169 ug/l
RT: 5.277 min Scan# 565
Delta R.T. 0.000 min
Lab File: VN082468.D
Acq: 05 Jun 2024 14:12

Tgt Ion: 84 Resp: 4449
Ion Ratio Lower Upper
84 100
49 122.1 84.9 127.3
51 40.2 27.0 40.6
86 37.8 52.3 78.5#

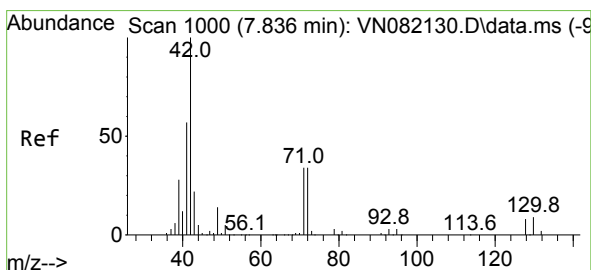
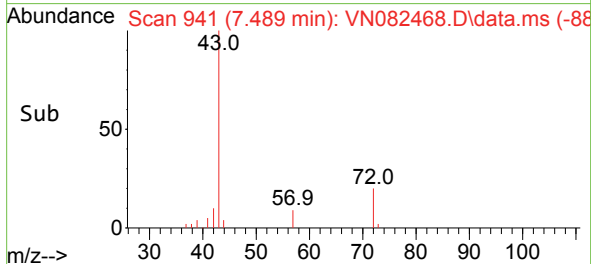
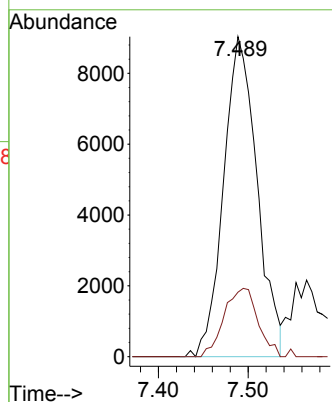
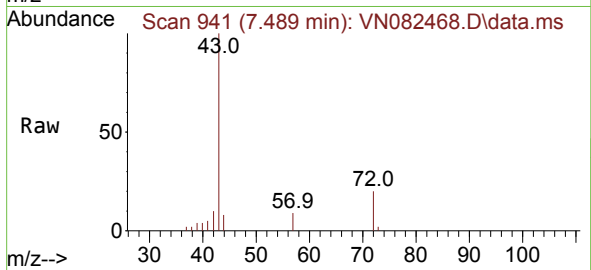




#25
2-Butanone
Concen: 15.185 ug/l
RT: 7.489 min Scan# 941
Delta R.T. 0.006 min
Lab File: VN082468.D
Acq: 05 Jun 2024 14:12

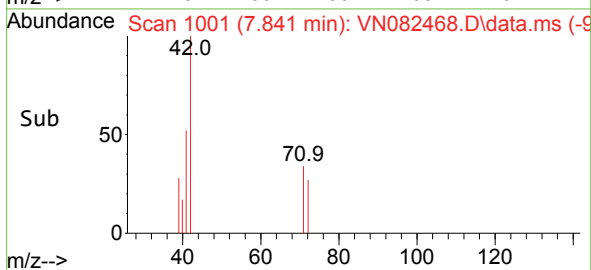
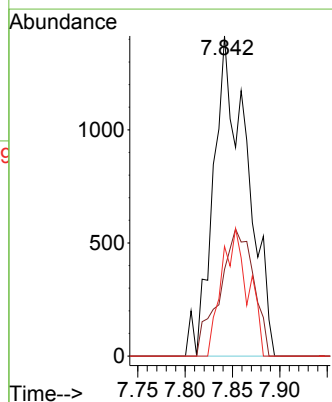
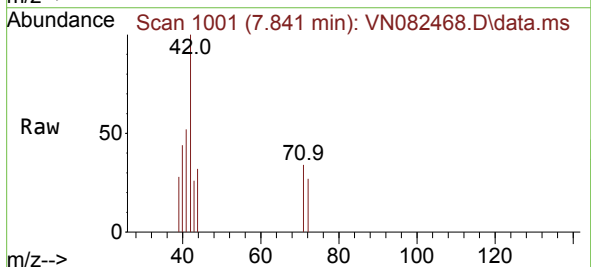
Instrument :
MSVOA_N
ClientSampleId :

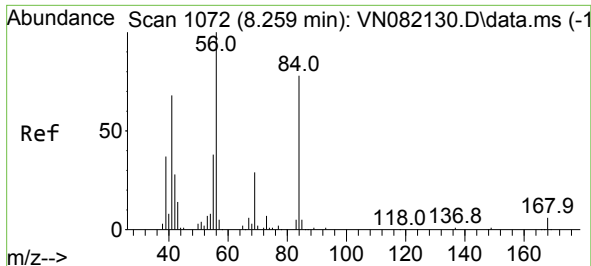
Tgt Ion: 43 Resp: 23401
Ion Ratio Lower Upper
43 100
72 20.2 25.3 37.9#



#29
Tetrahydrofuran
Concen: 3.551 ug/l
RT: 7.841 min Scan# 1001
Delta R.T. 0.005 min
Lab File: VN082468.D
Acq: 05 Jun 2024 14:12

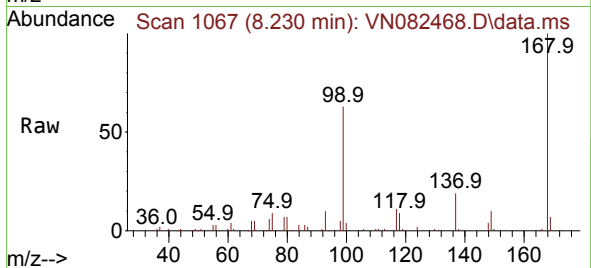
Tgt Ion: 42 Resp: 3514
Ion Ratio Lower Upper
42 100
72 39.8 39.3 58.9
71 31.2 37.4 56.0#



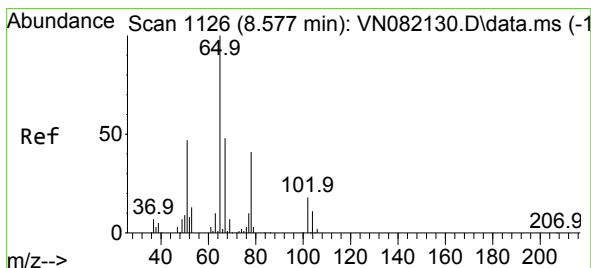
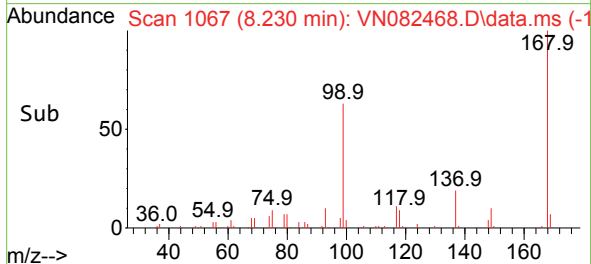
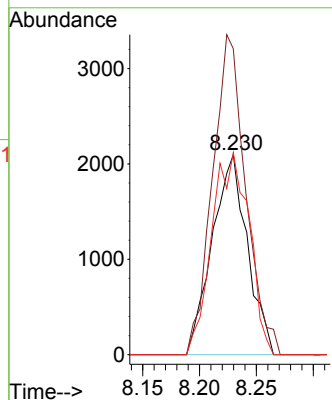


#31
Cyclohexane
Concen: 1.138 ug/l
RT: 8.230 min Scan# 1067
Delta R.T. -0.029 min
Lab File: VN082468.D
Acq: 05 Jun 2024 14:12

Instrument :
MSVOA_N
ClientSampleId :

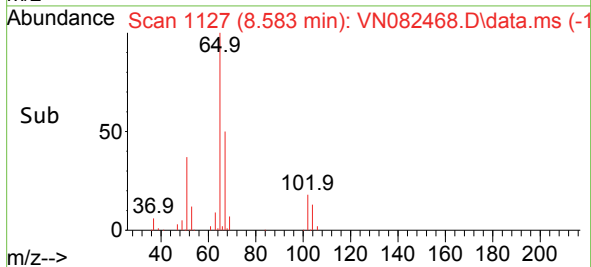
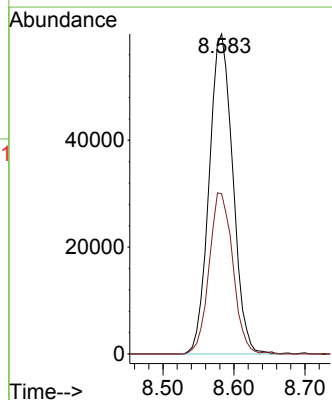
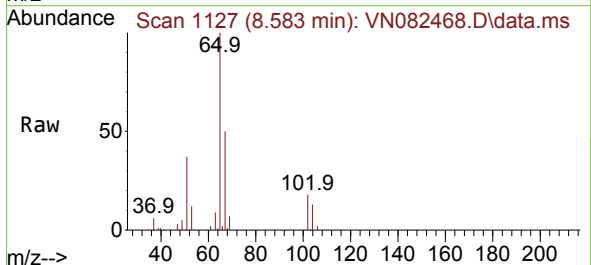


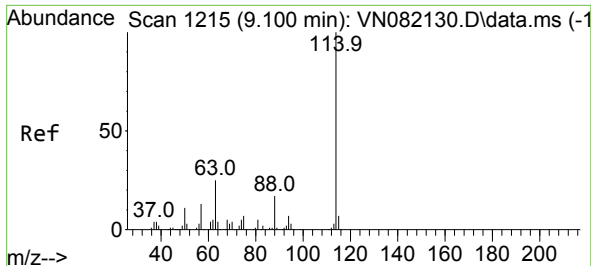
Tgt Ion: 56 Resp: 4504
Ion Ratio Lower Upper
56 100
69 153.0 24.4 36.6#
84 101.1 77.0 115.4



#33
1,2-Dichloroethane-d4
Concen: 55.931 ug/l
RT: 8.583 min Scan# 1127
Delta R.T. 0.006 min
Lab File: VN082468.D
Acq: 05 Jun 2024 14:12

Tgt Ion: 65 Resp: 138585
Ion Ratio Lower Upper
65 100
67 50.4 0.0 103.0

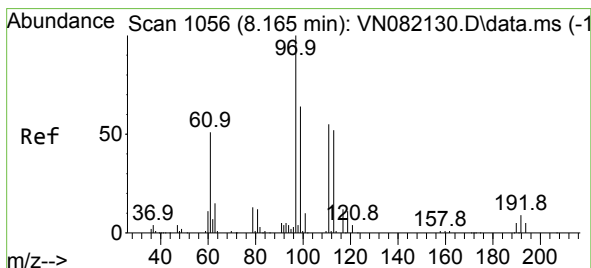
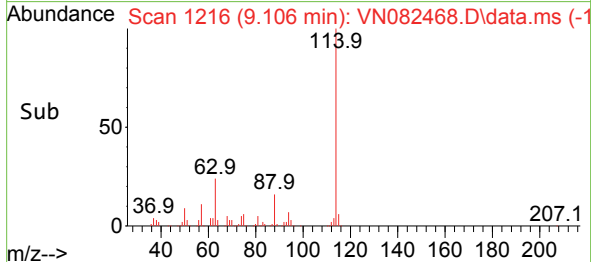
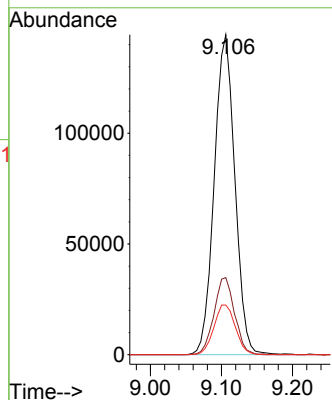
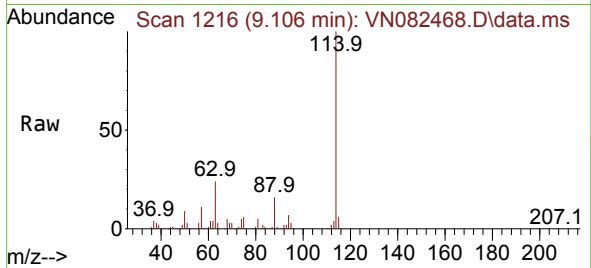




#34
1,4-Difluorobenzene
Concen: 50.000 ug/l
RT: 9.106 min Scan# 11
Delta R.T. 0.006 min
Lab File: VN082468.D
Acq: 05 Jun 2024 14:12

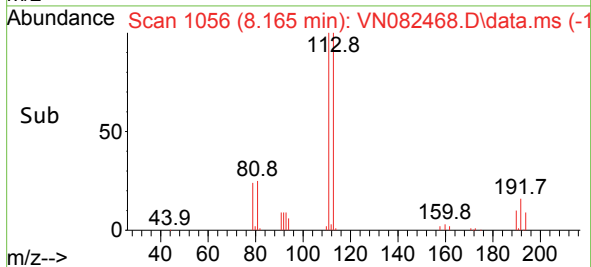
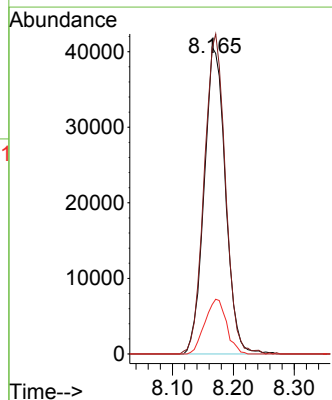
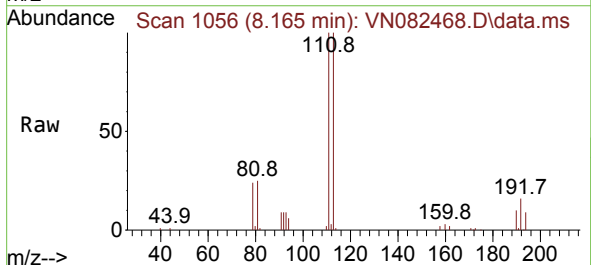
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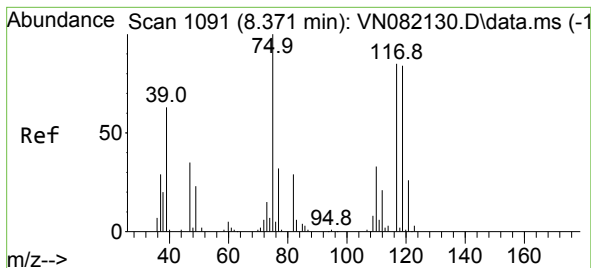
Tgt Ion:114 Resp: 290972
Ion Ratio Lower Upper
114 100
63 24.1 0.0 41.0
88 15.5 0.0 31.4



#35
Dibromofluoromethane
Concen: 55.163 ug/l
RT: 8.165 min Scan# 1056
Delta R.T. 0.000 min
Lab File: VN082468.D
Acq: 05 Jun 2024 14:12

Tgt Ion:113 Resp: 98738
Ion Ratio Lower Upper
113 100
111 103.6 83.4 125.2
192 18.0 14.0 21.0





#36

1,1-Dichloropropene

Concen: 5.019 ug/l

RT: 8.224 min Scan# 1066

Delta R.T. -0.147 min

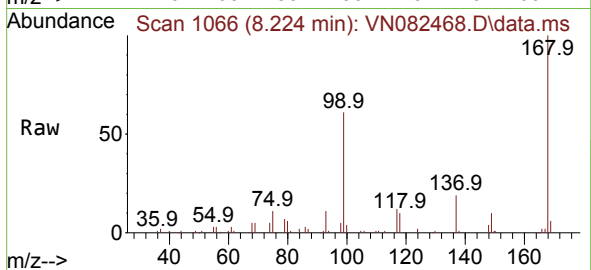
Lab File: VN082468.D

Acq: 05 Jun 2024 14:12

Instrument :

MSVOA_N

ClientSampleId :



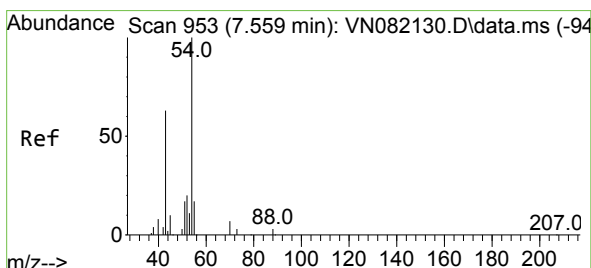
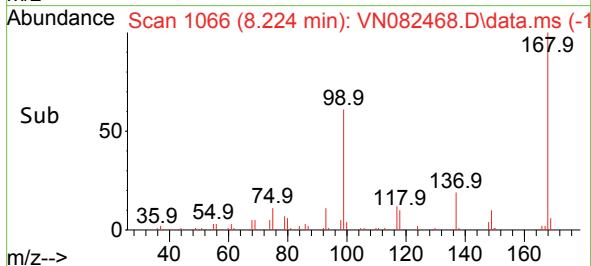
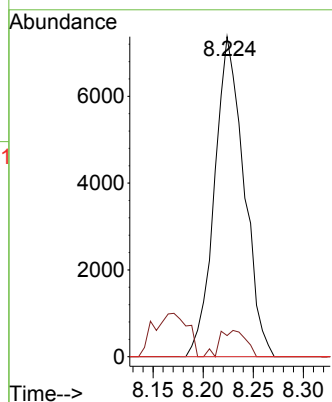
Tgt Ion: 75 Resp: 15067

Ion Ratio Lower Upper

75 100

110 7.3 17.8 53.5#

77 0.0 25.0 37.4#



#37

Ethyl Acetate

Concen: 1.625 ug/l

RT: 7.565 min Scan# 954

Delta R.T. 0.006 min

Lab File: VN082468.D

Acq: 05 Jun 2024 14:12

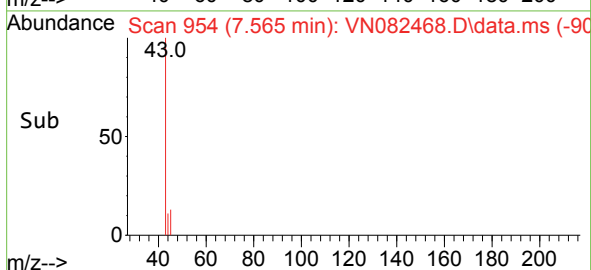
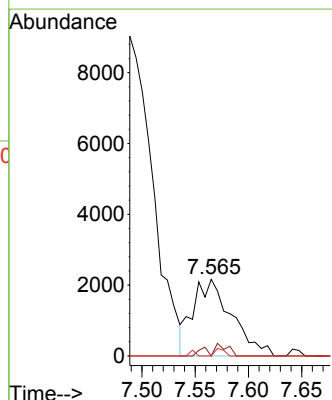
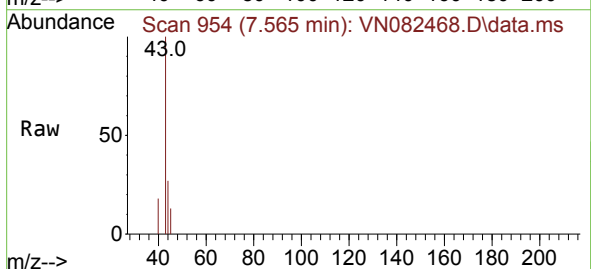
Tgt Ion: 43 Resp: 5461

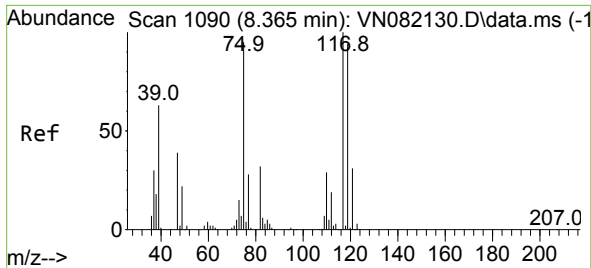
Ion Ratio Lower Upper

43 100

61 5.2 11.3 16.9#

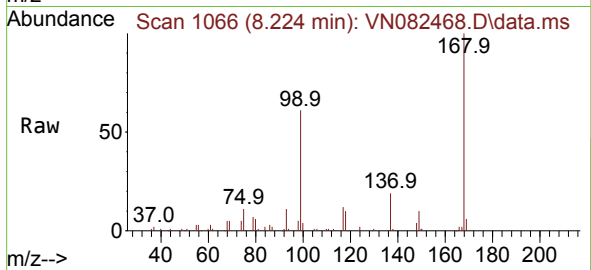
70 2.4 8.7 13.1#



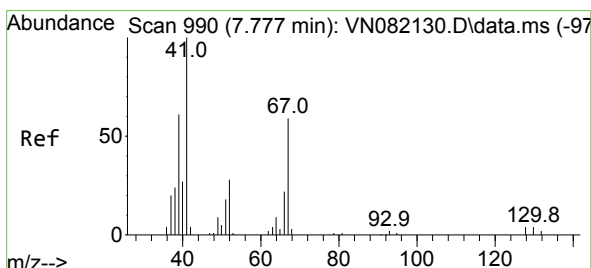
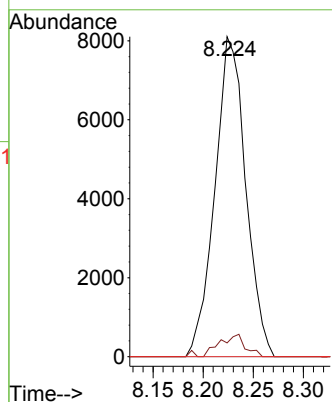
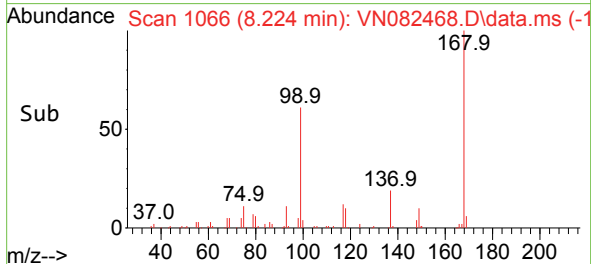


#38
Carbon Tetrachloride
Concen: 5.692 ug/l
RT: 8.224 min Scan# 1066
Delta R.T. -0.141 min
Lab File: VN082468.D
Acq: 05 Jun 2024 14:12

Instrument :
MSVOA_N
ClientSampleId :

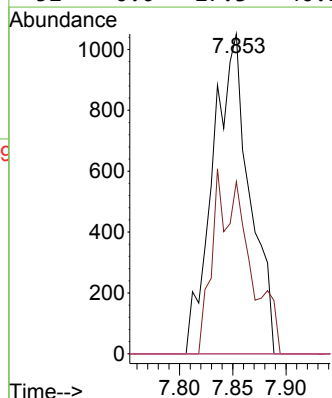
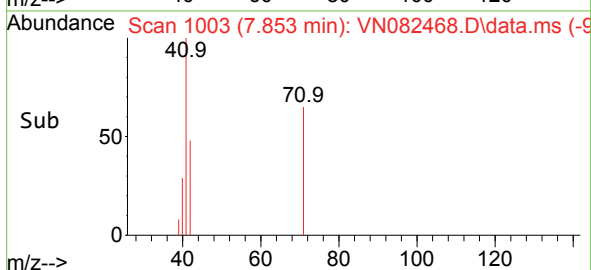
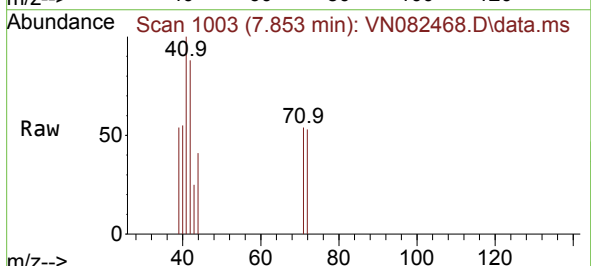


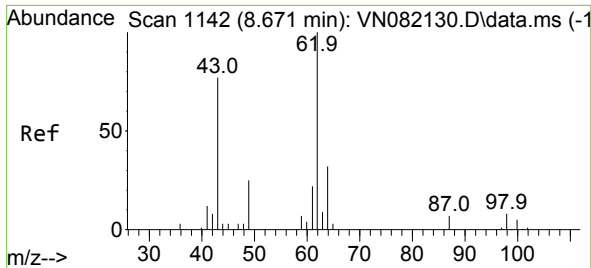
Tgt Ion:117 Resp: 17323
Ion Ratio Lower Upper
117 100
119 4.3 76.5 114.7#
121 0.0 23.9 35.9#



#41
Methacrylonitrile
Concen: 1.280 ug/l
RT: 7.853 min Scan# 1003
Delta R.T. 0.077 min
Lab File: VN082468.D
Acq: 05 Jun 2024 14:12

Tgt Ion: 41 Resp: 2530
Ion Ratio Lower Upper
41 100
39 26.5 46.6 69.8#
67 0.0 67.3 100.9#
52 0.0 27.3 40.9#





#42

1,2-Dichloroethane

Concen: 0.318 ug/l

RT: 8.683 min Scan# 1144

Delta R.T. 0.012 min

Lab File: VN082468.D

Acq: 05 Jun 2024 14:12

Instrument :

MSVOA_N

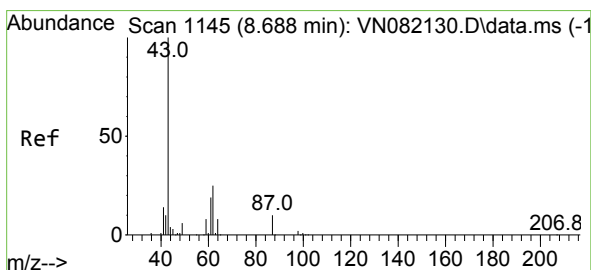
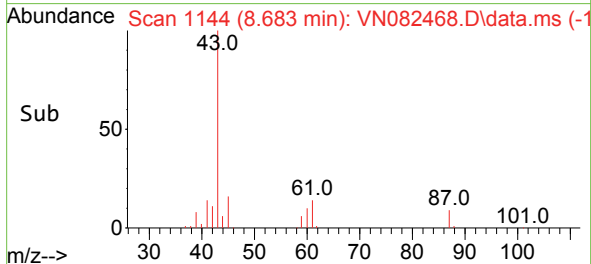
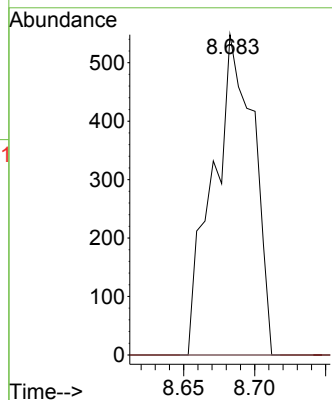
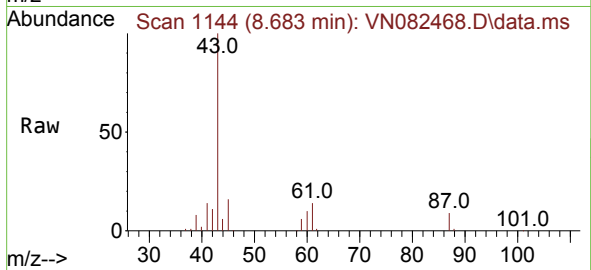
ClientSampleId :

Tgt Ion: 62 Resp: 1095

Ion Ratio Lower Upper

62 100

98 0.0 0.0 19.6



#43

Isopropyl Acetate

Concen: 43.954 ug/l

RT: 8.694 min Scan# 1146

Delta R.T. 0.006 min

Lab File: VN082468.D

Acq: 05 Jun 2024 14:12

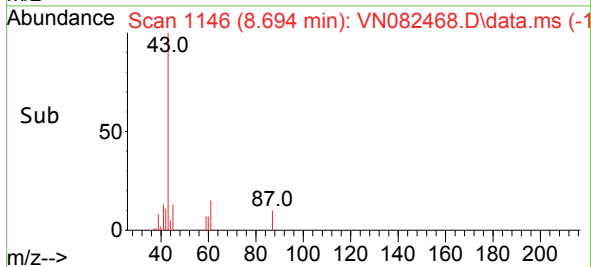
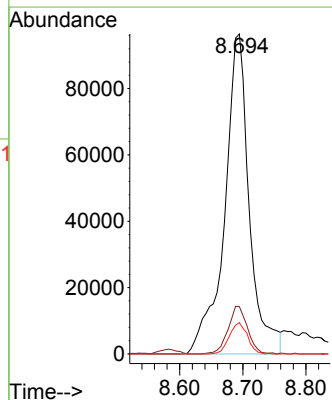
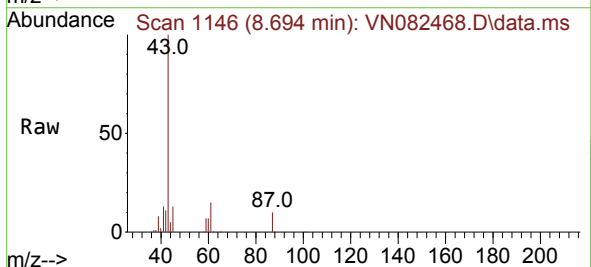
Tgt Ion: 43 Resp: 261657

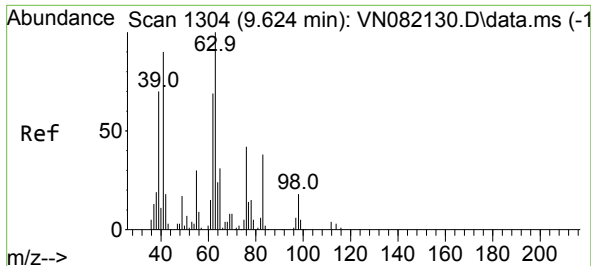
Ion Ratio Lower Upper

43 100

61 11.8 22.8 34.2#

87 7.2 12.0 18.0#





#45

1,2-Dichloropropane

Concen: 0.845 ug/l

RT: 9.747 min Scan# 11

Delta R.T. 0.124 min

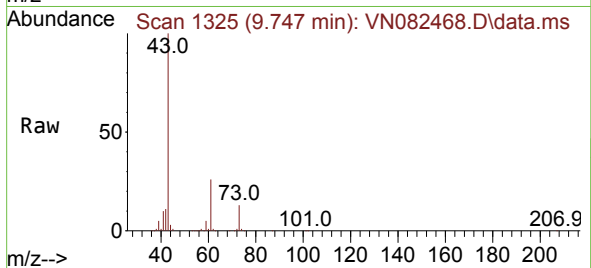
Lab File: VN082468.D

Acq: 05 Jun 2024 14:12

Instrument :

MSVOA_N

ClientSampleId :

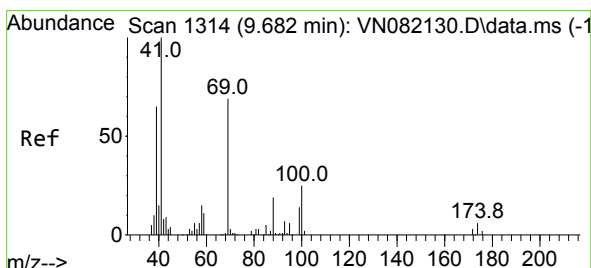
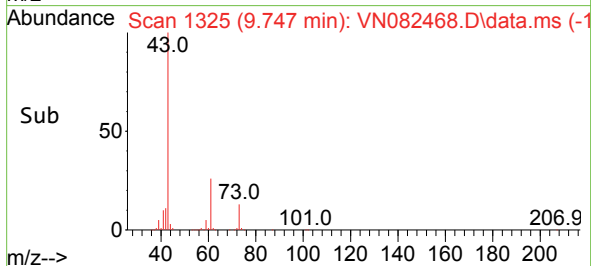
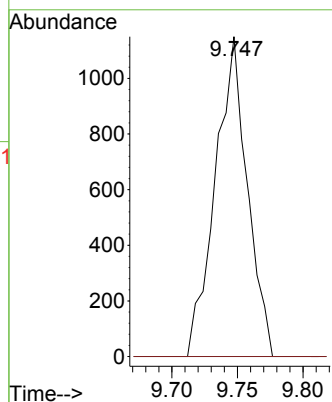


Tgt Ion: 63 Resp: 1952

Ion Ratio Lower Upper

63 100

65 0.0 24.1 36.1#



#48

Methyl methacrylate

Concen: 1.836 ug/l

RT: 9.671 min Scan# 1312

Delta R.T. -0.012 min

Lab File: VN082468.D

Acq: 05 Jun 2024 14:12

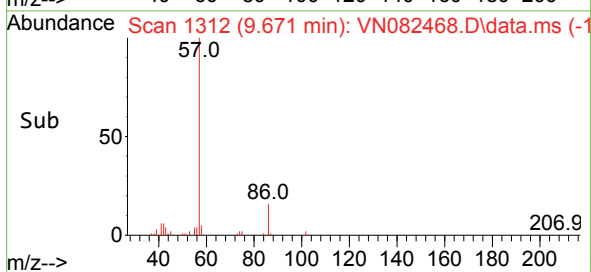
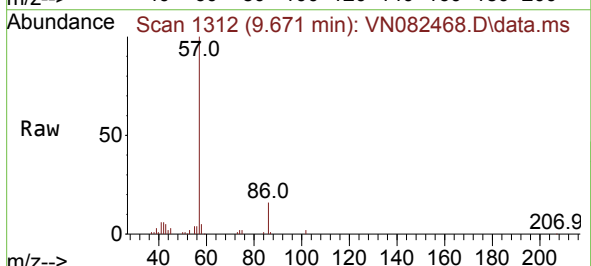
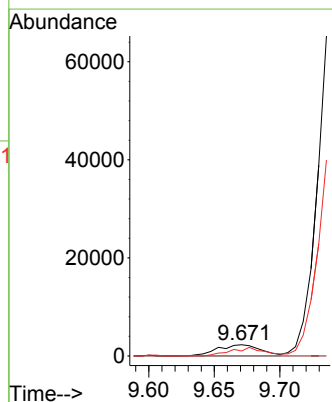
Tgt Ion: 41 Resp: 5209

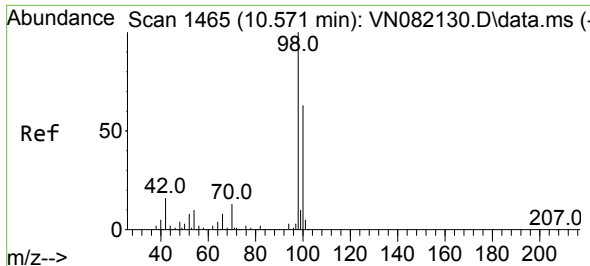
Ion Ratio Lower Upper

41 100

69 0.0 77.9 116.9#

39 61.6 50.9 76.3

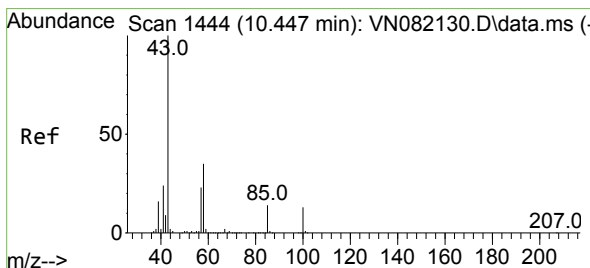
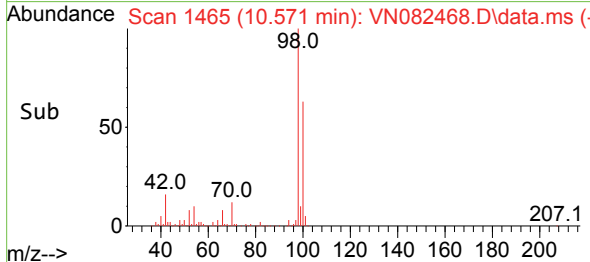
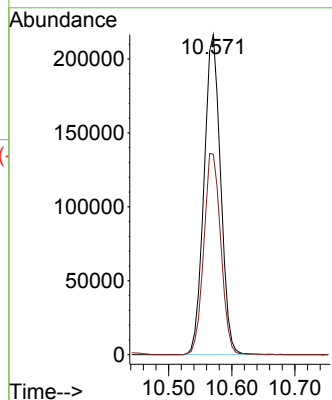
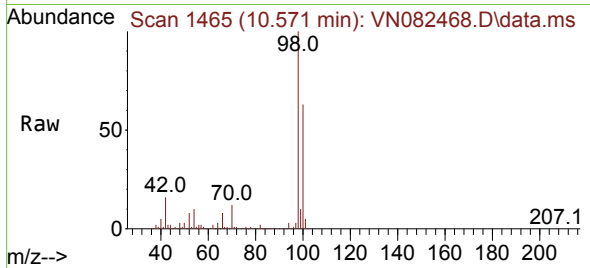




#50
Toluene-d8
Concen: 57.463 ug/l
RT: 10.571 min Scan# 1465
Delta R.T. 0.000 min
Lab File: VN082468.D
Acq: 05 Jun 2024 14:12

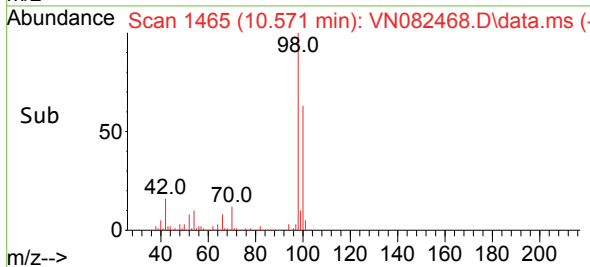
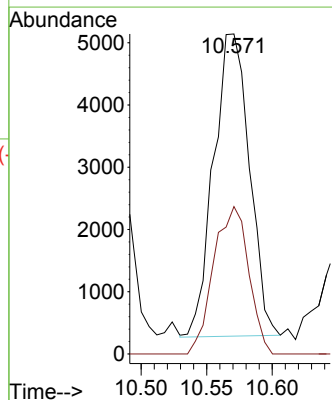
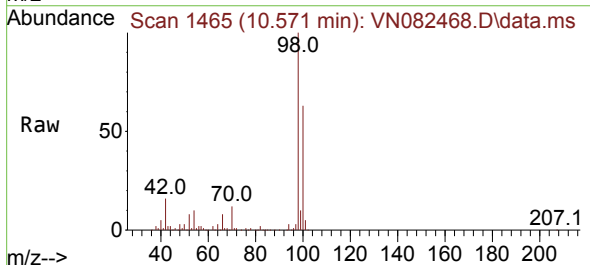
Instrument :
MSVOA_N
ClientSampleId :

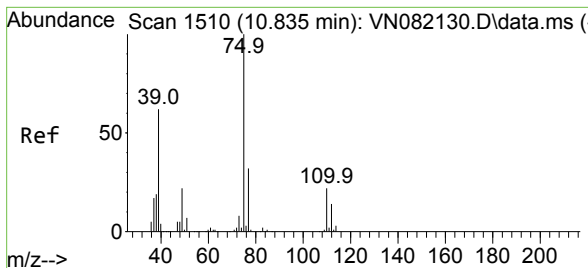
Tgt Ion: 98 Resp: 394339
Ion Ratio Lower Upper
98 100
100 64.4 51.8 77.6



#51
4-Methyl-2-Pentanone
Concen: 2.730 ug/l
RT: 10.571 min Scan# 1465
Delta R.T. 0.124 min
Lab File: VN082468.D
Acq: 05 Jun 2024 14:12

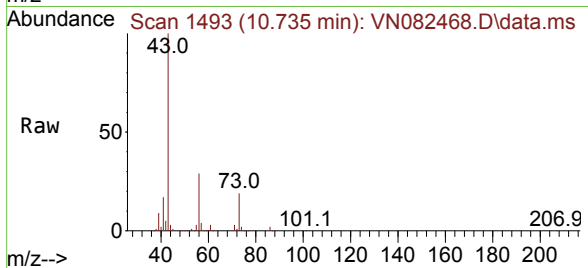
Tgt Ion: 43 Resp: 9234
Ion Ratio Lower Upper
43 100
58 47.7 33.2 49.8



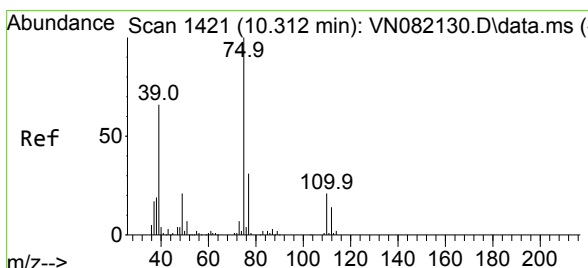
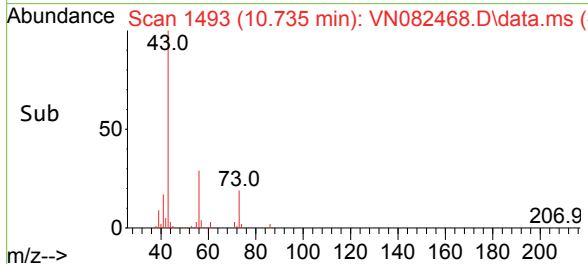
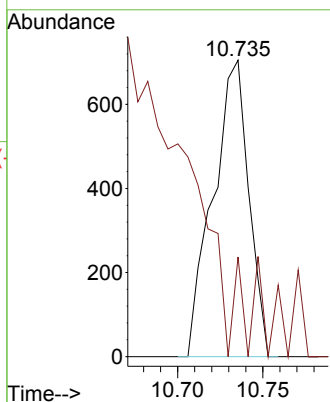


#53
 t-1,3-Dichloropropene
 Concen: 0.311 ug/l
 RT: 10.735 min Scan# 1493
 Delta R.T. -0.100 min
 Lab File: VN082468.D
 Acq: 05 Jun 2024 14:12

Instrument :
 MSVOA_N
 ClientSampleId :

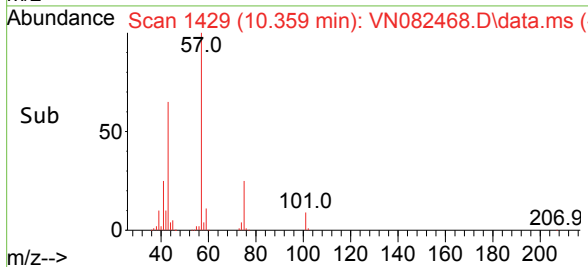
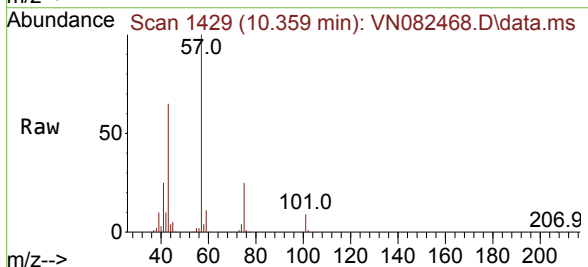
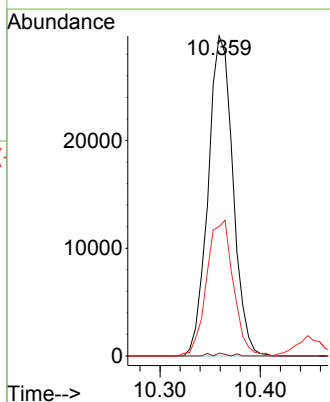


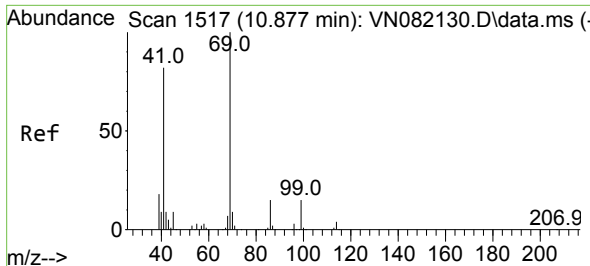
Tgt Ion: 75 Resp: 1030
 Ion Ratio Lower Upper
 75 100
 77 9.5 25.4 38.0#



#54
 cis-1,3-Dichloropropene
 Concen: 14.593 ug/l
 RT: 10.359 min Scan# 1429
 Delta R.T. 0.047 min
 Lab File: VN082468.D
 Acq: 05 Jun 2024 14:12

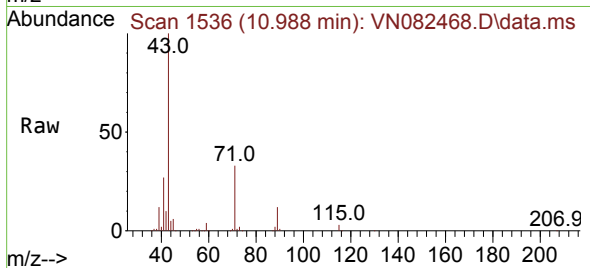
Tgt Ion: 75 Resp: 51143
 Ion Ratio Lower Upper
 75 100
 77 0.9 25.0 37.4#
 39 40.4 34.8 52.2



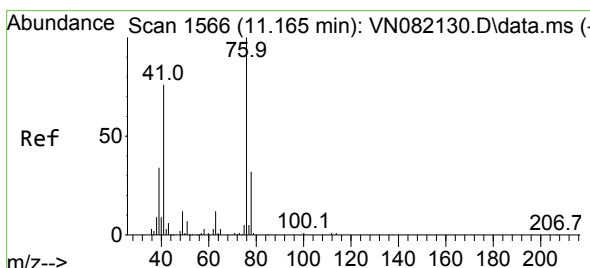
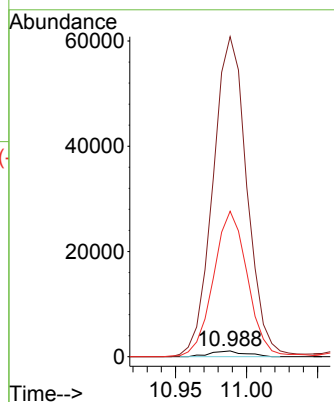
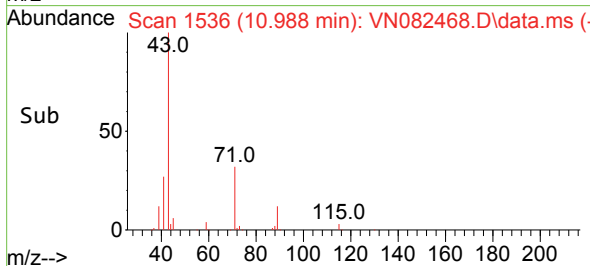


#56
Ethyl methacrylate
Concen: 0.569 ug/l
RT: 10.988 min Scan# 1536
Delta R.T. 0.112 min
Lab File: VN082468.D
Acq: 05 Jun 2024 14:12

Instrument :
MSVOA_N
ClientSampleId :

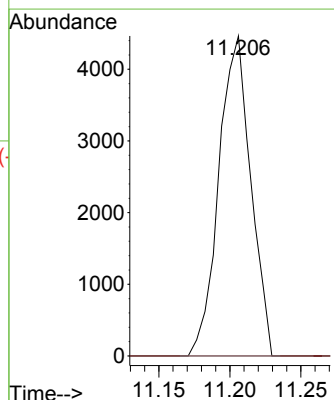
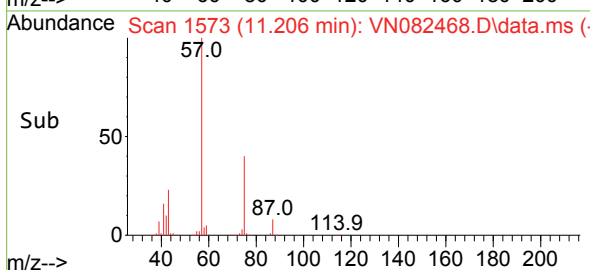
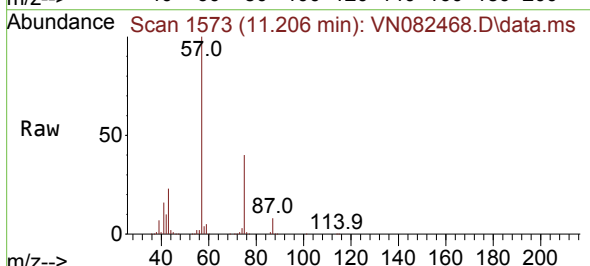


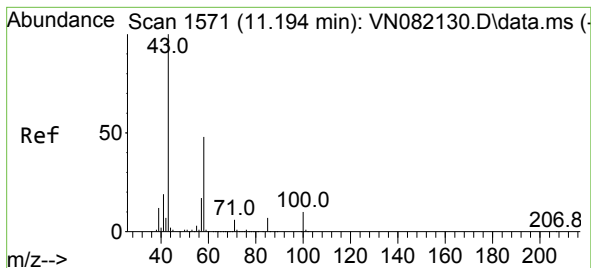
Tgt Ion: 69 Resp: 1887
Ion Ratio Lower Upper
69 100
41 5390.6 46.6 70.0#
39 2462.2 26.5 39.7#



#57
1,3-Dichloropropane
Concen: 1.909 ug/l
RT: 11.206 min Scan# 1573
Delta R.T. 0.041 min
Lab File: VN082468.D
Acq: 05 Jun 2024 14:12

Tgt Ion: 76 Resp: 6970
Ion Ratio Lower Upper
76 100
78 0.0 25.8 38.6#

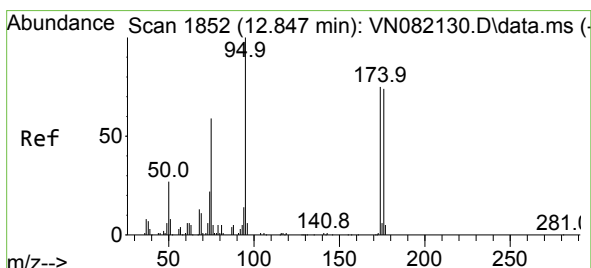
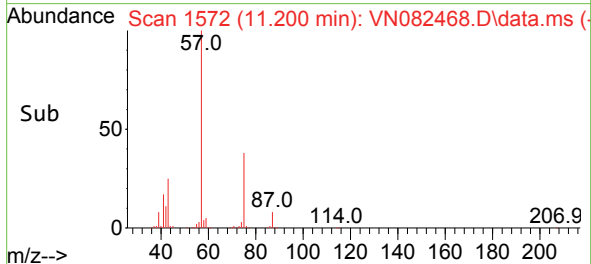
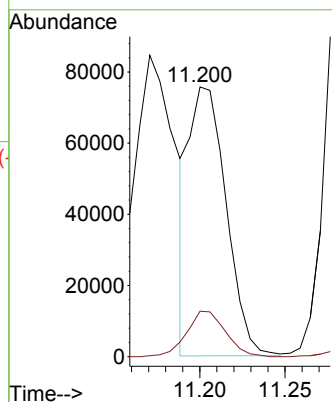
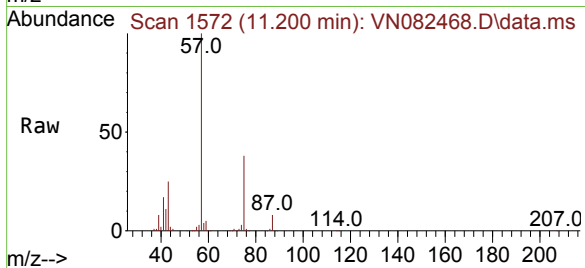




#59
2-Hexanone
Concen: 46.418 ug/l
RT: 11.200 min Scan# 1119
Delta R.T. 0.006 min
Lab File: VN082468.D
Acq: 05 Jun 2024 14:12

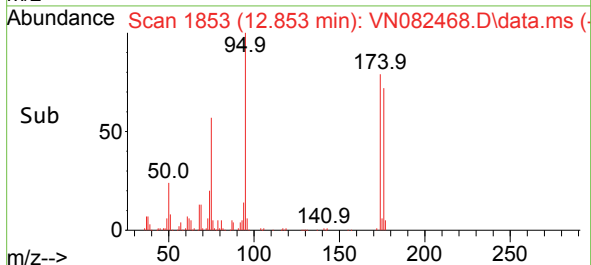
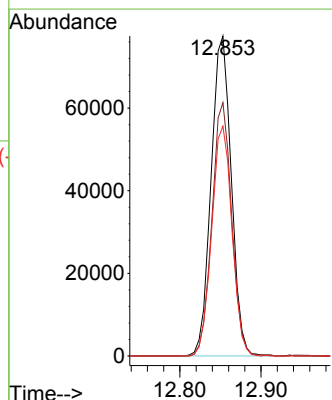
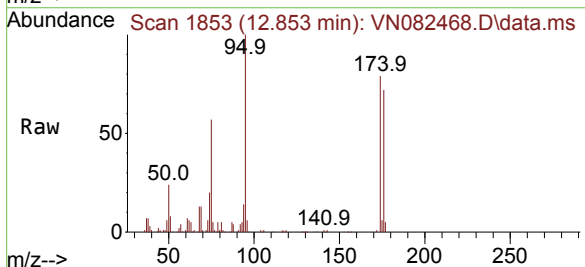
Instrument :
MSVOA_N
ClientSampleId :

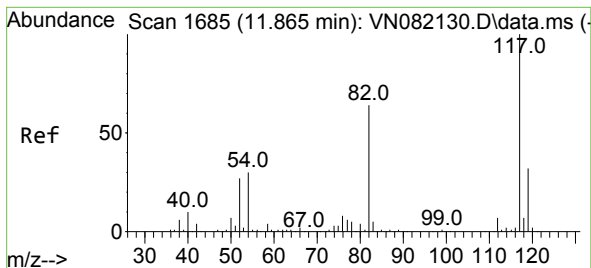
Tgt Ion: 43 Resp: 114956
Ion Ratio Lower Upper
43 100
58 17.7 28.3 84.9#



#62
4-Bromofluorobenzene
Concen: 54.472 ug/l
RT: 12.853 min Scan# 1853
Delta R.T. 0.006 min
Lab File: VN082468.D
Acq: 05 Jun 2024 14:12

Tgt Ion: 95 Resp: 133422
Ion Ratio Lower Upper
95 100
174 77.7 0.0 160.6
176 72.2 0.0 152.8





#63

Chlorobenzene-d5

Concen: 50.000 ug/l

RT: 11.871 min Scan# 1

Delta R.T. 0.006 min

Lab File: VN082468.D

Acq: 05 Jun 2024 14:12

Instrument :

MSVOA_N

ClientSampleId :

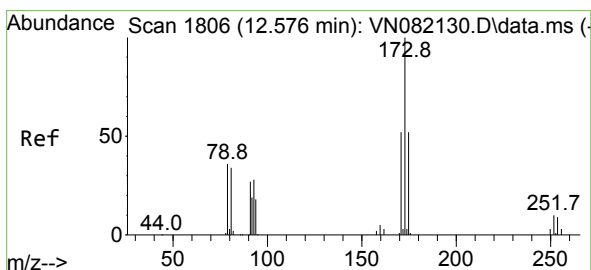
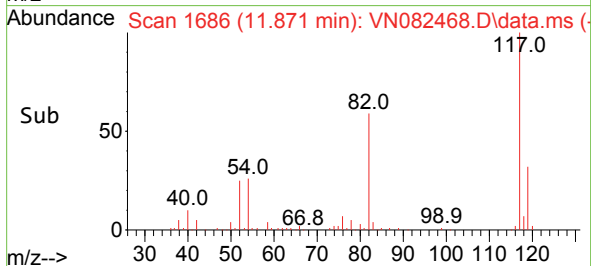
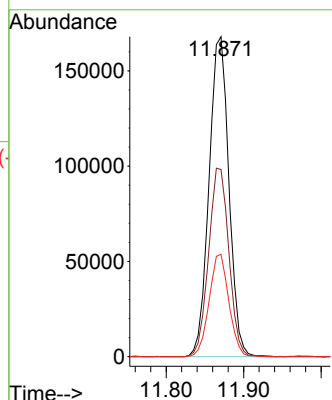
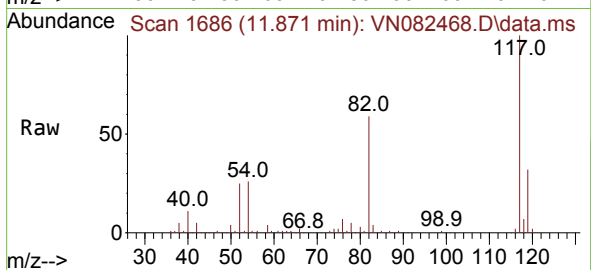
Tgt Ion:117 Resp: 299260

Ion Ratio Lower Upper

117 100

82 58.5 44.6 66.8

119 32.0 25.9 38.9



#71

Bromoform

Concen: 0.798 ug/l

RT: 12.835 min Scan# 1850

Delta R.T. 0.259 min

Lab File: VN082468.D

Acq: 05 Jun 2024 14:12

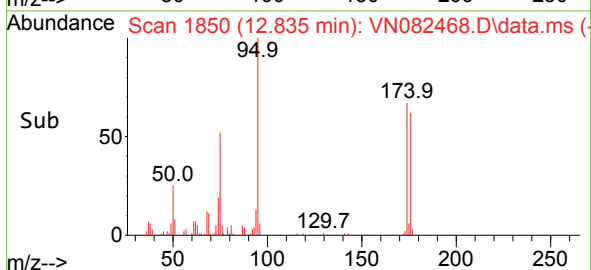
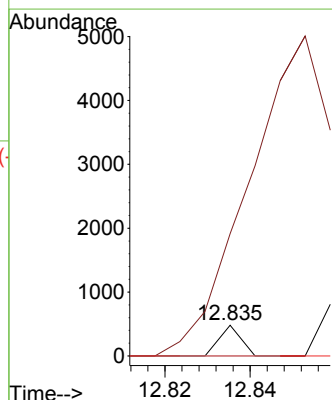
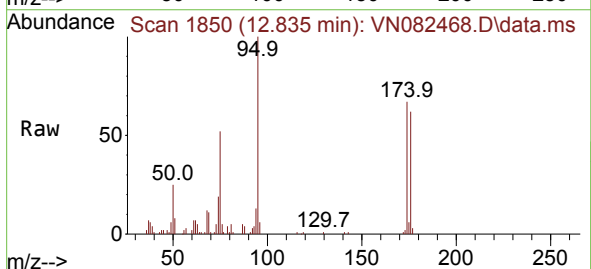
Tgt Ion:173 Resp: 170

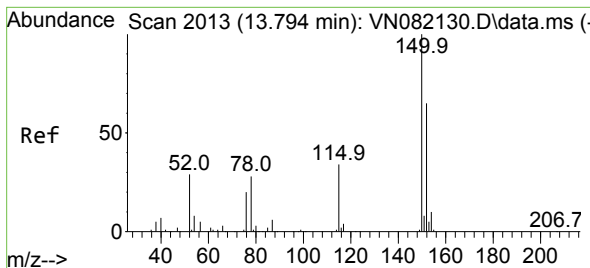
Ion Ratio Lower Upper

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# 2013

Delta R.T. 0.000 min

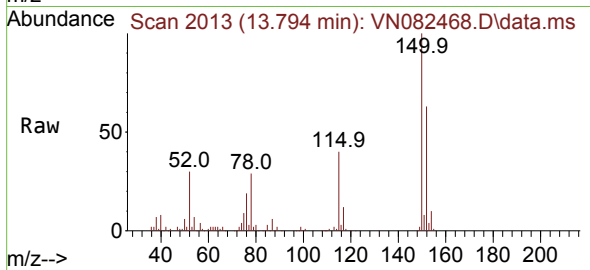
Lab File: VN082468.D

Acq: 05 Jun 2024 14:12

Instrument :

MSVOA_N

ClientSampleId :



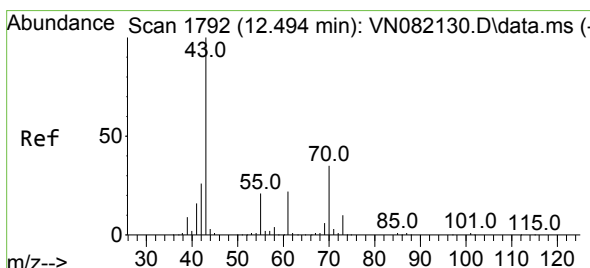
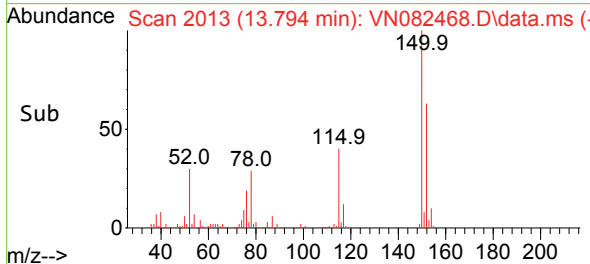
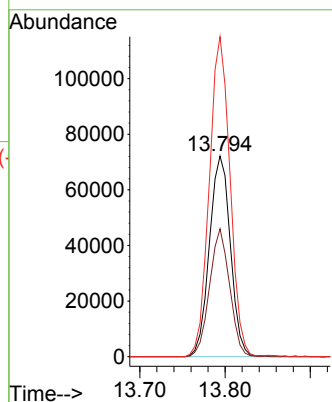
Tgt Ion:152 Resp: 123572

Ion Ratio Lower Upper

152 100

115 60.7 30.4 91.3

150 156.8 0.0 353.2



#74

N-ethyl acetate

Concen: 0.321 ug/l

RT: 12.494 min Scan# 1792

Delta R.T. 0.000 min

Lab File: VN082468.D

Acq: 05 Jun 2024 14:12

Tgt Ion: 43 Resp: 1736

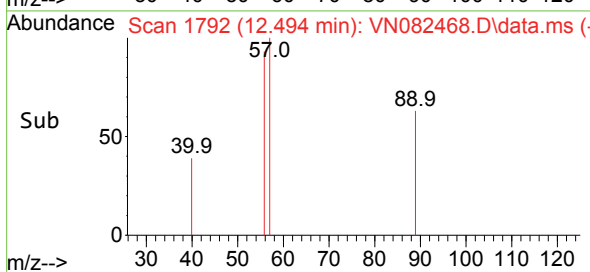
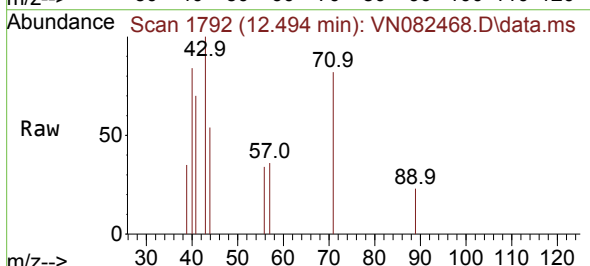
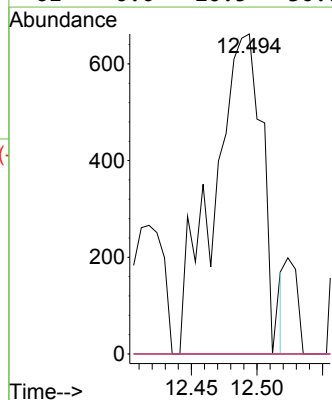
Ion Ratio Lower Upper

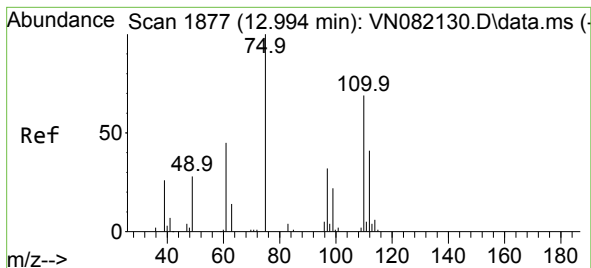
43 100

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: 29.463 ug/l

RT: 12.853 min Scan# 1853

Delta R.T. -0.141 min

Lab File: VN082468.D

Acq: 05 Jun 2024 14:12

Instrument :

MSVOA_N

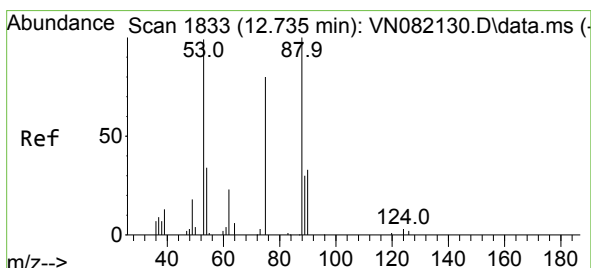
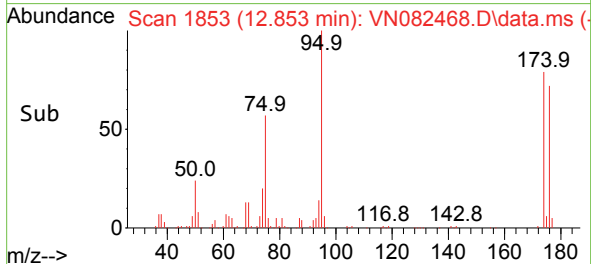
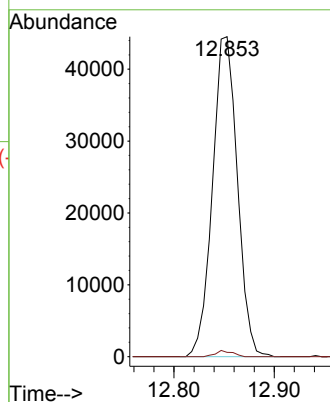
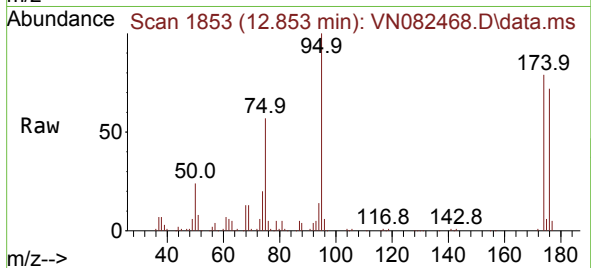
ClientSampleId :

Tgt Ion: 75 Resp: 76630

Ion Ratio Lower Upper

75 100

77 1.3 90.5 271.3#



#81

trans-1,4-Dichloro-2-butene

Concen: 68.913 ug/l

RT: 12.853 min Scan# 1853

Delta R.T. 0.118 min

Lab File: VN082468.D

Acq: 05 Jun 2024 14:12

Tgt Ion: 75 Resp: 76630

Ion Ratio Lower Upper

75 100

53 0.0 72.9 109.3#

89 0.0 39.1 58.7#

