

Data Path : Z:\voasrv\HPCHEM1\MSVOA_N\Data\VN071124\
 Data File : VN082873.D
 Acq On : 11 Jul 2024 13:55
 Operator : JC\MD
 Sample : P3183-02RE
 Misc : 5.0mL/MSVOA_N/WATER
 ALS Vial : 12 Sample Multiplier: 1

Instrument :
 MSVOA_N
 ClientSampleId :
 N28660

Quant Time: Jul 12 01:06:31 2024
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_N\methods\82N070824W.M
 Quant Title : SW846 8260
 QLast Update : Mon Jul 08 13:46:04 2024
 Response via : Initial Calibration

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

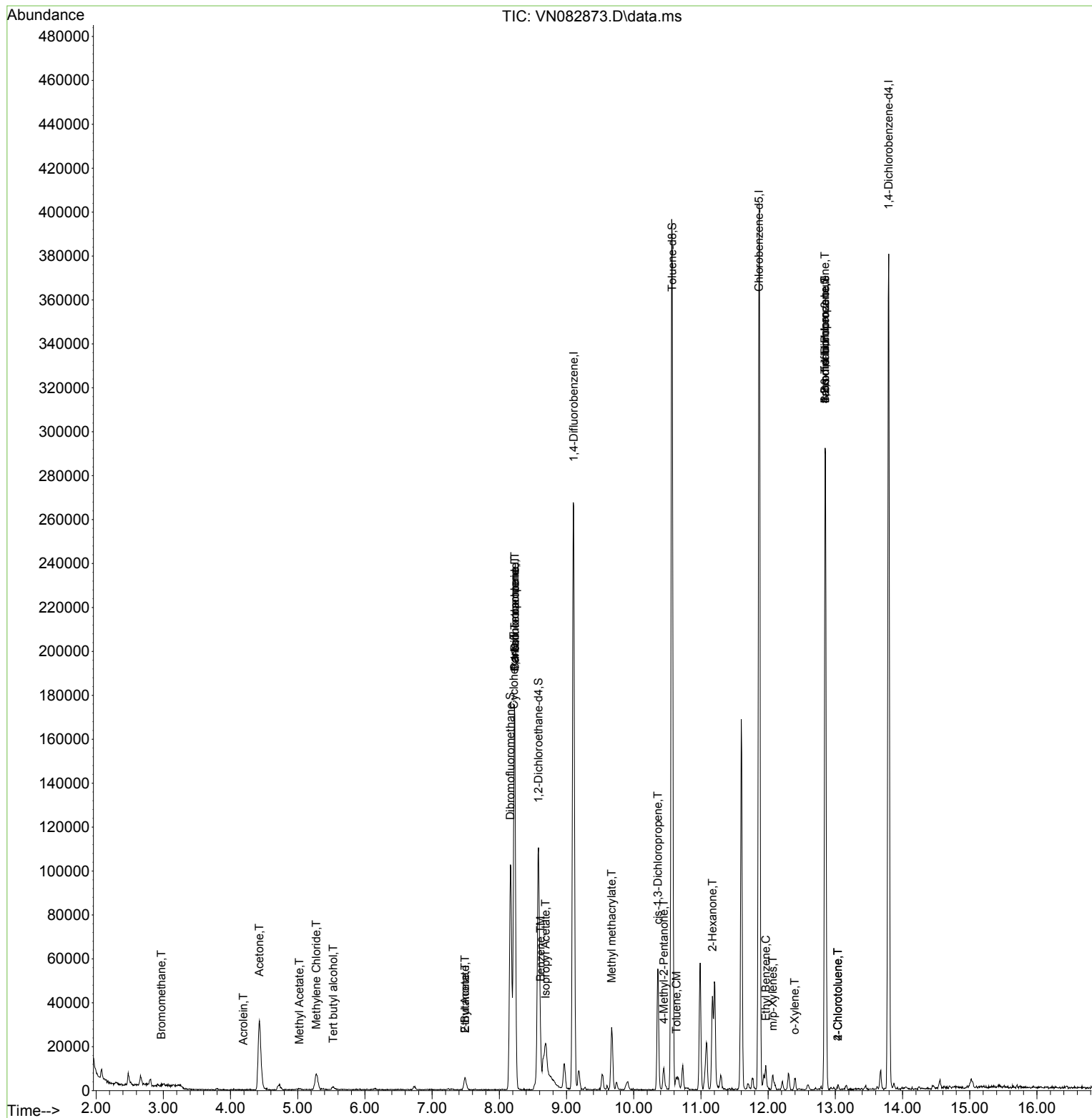
Internal Standards						
1) Pentafluorobenzene	8.230	168	124097	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	9.106	114	233320	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.865	117	228715	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.794	152	101407	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.583	65	88108	50.649	ug/l	0.00
Spiked Amount	50.000	Range	74 - 125	Recovery	= 101.300%	
35) Dibromofluoromethane	8.165	113	71726	47.908	ug/l	0.00
Spiked Amount	50.000	Range	75 - 124	Recovery	= 95.820%	
50) Toluene-d8	10.571	98	270412	48.902	ug/l	0.00
Spiked Amount	50.000	Range	86 - 113	Recovery	= 97.800%	
62) 4-Bromofluorobenzene	12.847	95	99326	50.005	ug/l	0.00
Spiked Amount	50.000	Range	64 - 133	Recovery	= 100.000%	
Target Compounds						
					Qvalue	
5) Bromomethane	2.971	94	269	0.233	ug/l	87
11) Tert butyl alcohol	5.530	59	2423	8.281	ug/l #	71
13) Acrolein	4.189	56	55	0.260	ug/l #	14
16) Acetone	4.430	43	60725	99.149	ug/l	93
18) Methyl Acetate	5.024	43	750	0.463	ug/l #	56
20) Methylene Chloride	5.277	84	6031	4.077	ug/l #	80
25) 2-Butanone	7.489	43	9372	10.134	ug/l	98
31) Cyclohexane	8.218	56	3048	1.340	ug/l #	49
36) 1,1-Dichloropropene	8.230	75	10537	5.105	ug/l #	51
37) Ethyl Acetate	7.489	43	9372	4.460	ug/l #	72
38) Carbon Tetrachloride	8.230	117	13466	5.418	ug/l #	17
40) Benzene	8.612	78	17771	2.799	ug/l	99
43) Isopropyl Acetate	8.689	43	45492	9.050	ug/l #	69
48) Methyl methacrylate	9.671	41	2205	1.338	ug/l #	53
51) 4-Methyl-2-Pentanone	10.447	43	7152	3.433	ug/l	97
52) Toluene	10.636	92	1811	0.457	ug/l	79
54) cis-1,3-Dichloropropene	10.359	75	9364	3.599	ug/l #	64
59) 2-Hexanone	11.171	43	39594	25.561	ug/l #	28
67) Ethyl Benzene	11.965	91	6283	0.763	ug/l	95
68) m/p-Xylenes	12.071	106	2178	0.700	ug/l	97
69) o-Xylene	12.394	106	1572	0.528	ug/l	87
71) Bromoform	12.847	173	361	0.263	ug/l #	1
76) 1,2,3-Trichloropropane	12.847	75	54767	31.326	ug/l #	1
79) 2-Chlorotoluene	13.035	91	1121	0.208	ug/l #	42
81) trans-1,4-Dichloro-2-b...	12.847	75	54767	61.608	ug/l #	6
82) 4-Chlorotoluene	13.035	91	1121	0.210	ug/l #	42

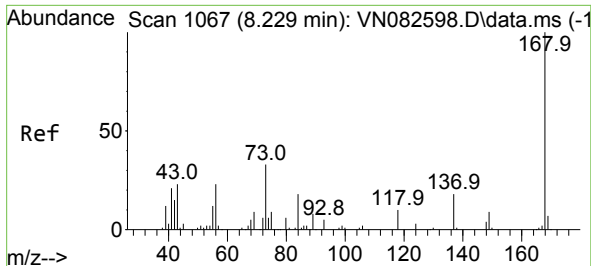
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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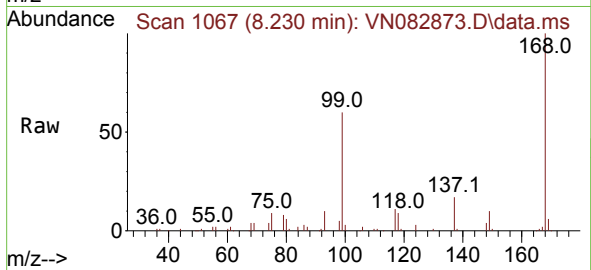
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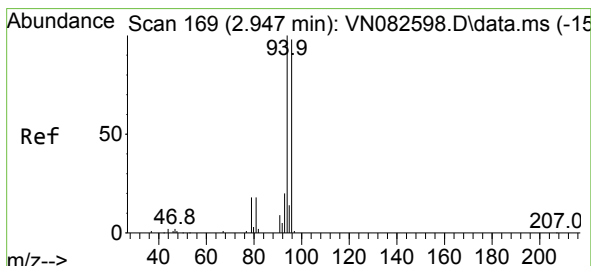
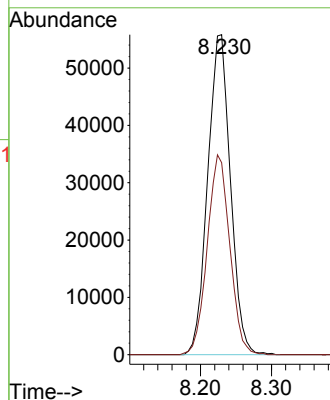
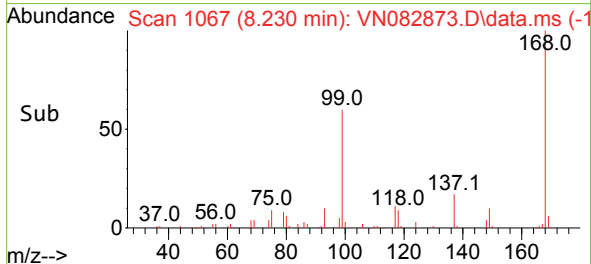


#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 8.230 min Scan# 10
Delta R.T. 0.001 min
Lab File: VN082873.D
Acq: 11 Jul 2024 13:55

Instrument :
MSVOA_N
ClientSampleId :
N28660

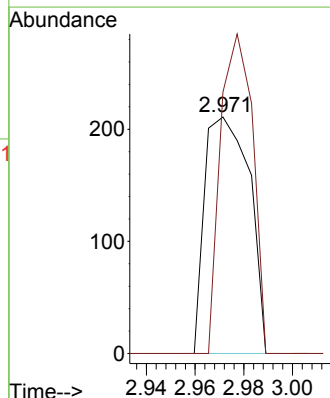
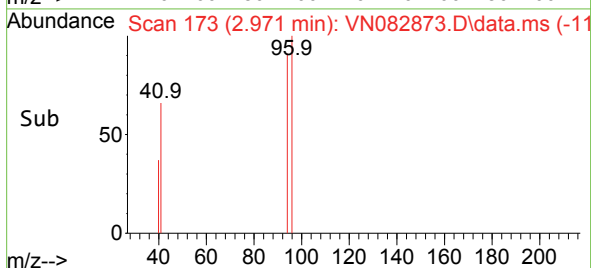
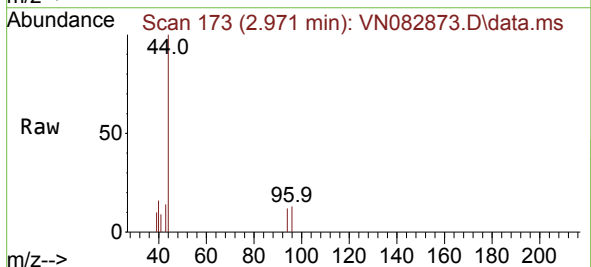


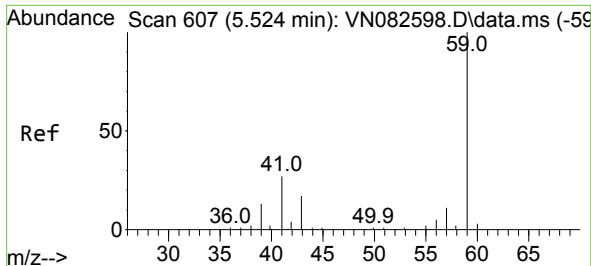
Tgt Ion:168 Resp: 124097
Ion Ratio Lower Upper
168 100
99 60.0 48.2 72.4



#5
Bromomethane
Concen: 0.233 ug/l
RT: 2.971 min Scan# 173
Delta R.T. 0.024 min
Lab File: VN082873.D
Acq: 11 Jul 2024 13:55

Tgt Ion: 94 Resp: 269
Ion Ratio Lower Upper
94 100
96 110.4 78.0 117.0

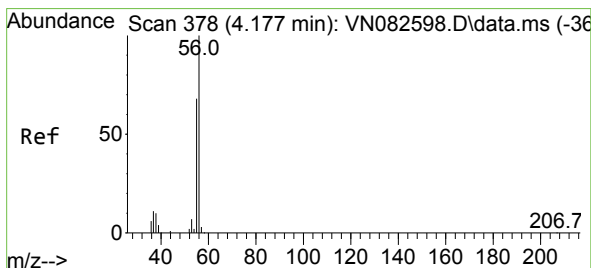
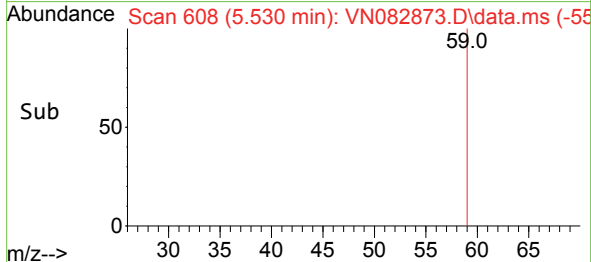
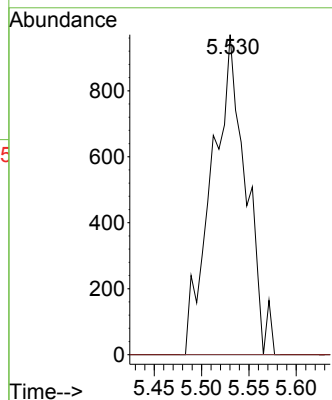
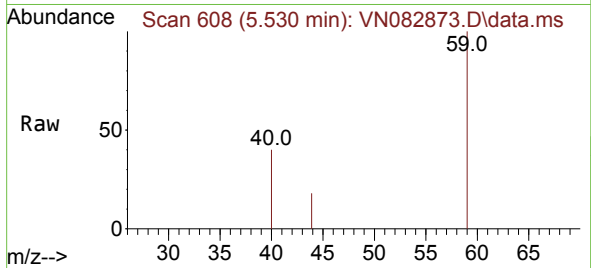




#11
Tert butyl alcohol
Concen: 8.281 ug/l
RT: 5.530 min Scan# 607
Delta R.T. 0.006 min
Lab File: VN082873.D
Acq: 11 Jul 2024 13:55

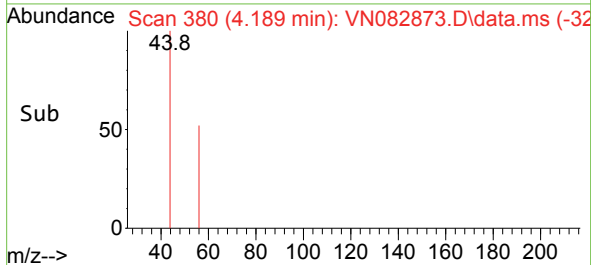
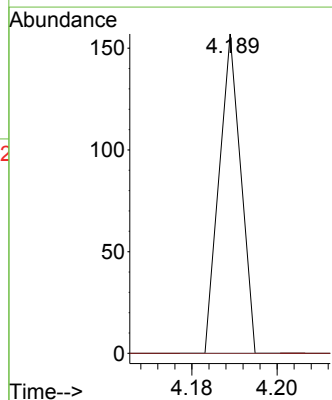
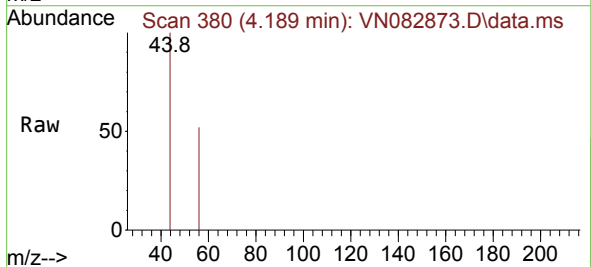
Instrument :
MSVOA_N
ClientSampleId :
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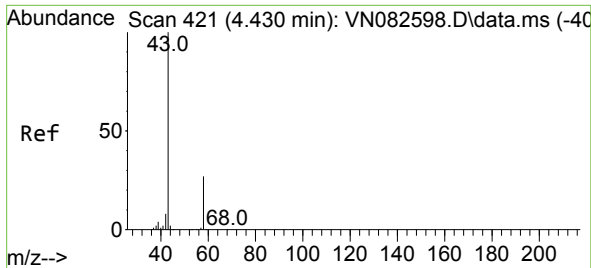
Tgt Ion: 59 Resp: 2423
Ion Ratio Lower Upper
59 100
57 0.0 8.9 13.3#



#13
Acrolein
Concen: 0.260 ug/l
RT: 4.189 min Scan# 380
Delta R.T. 0.012 min
Lab File: VN082873.D
Acq: 11 Jul 2024 13:55

Tgt Ion: 56 Resp: 55
Ion Ratio Lower Upper
56 100
55 0.0 56.4 84.6#





#16

Acetone

Concen: 99.149 ug/l

RT: 4.430 min Scan# 41

Delta R.T. 0.000 min

Lab File: VN082873.D

Acq: 11 Jul 2024 13:55

Instrument :

MSVOA_N

ClientSampleId :

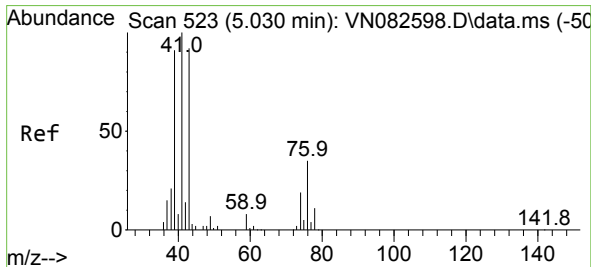
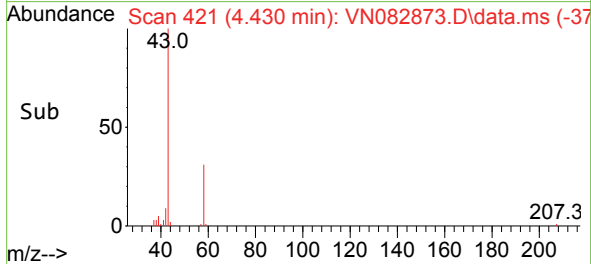
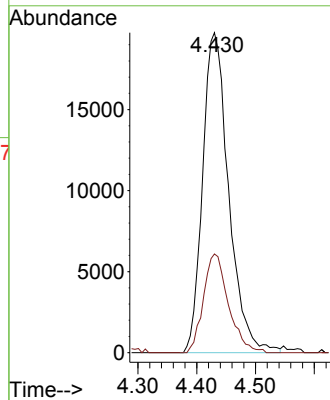
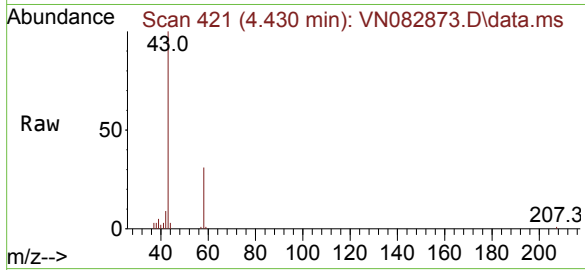
N28660

Tgt Ion: 43 Resp: 60725

Ion Ratio Lower Upper

43 100

58 30.8 21.8 32.6



#18

Methyl Acetate

Concen: 0.463 ug/l

RT: 5.024 min Scan# 522

Delta R.T. -0.006 min

Lab File: VN082873.D

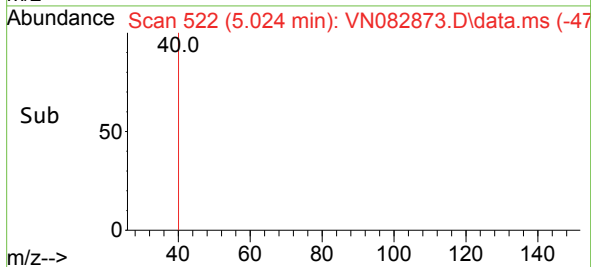
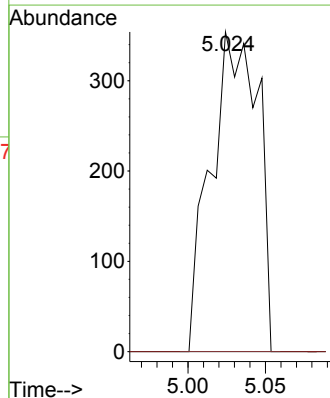
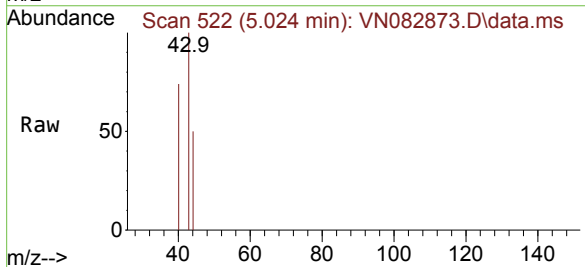
Acq: 11 Jul 2024 13:55

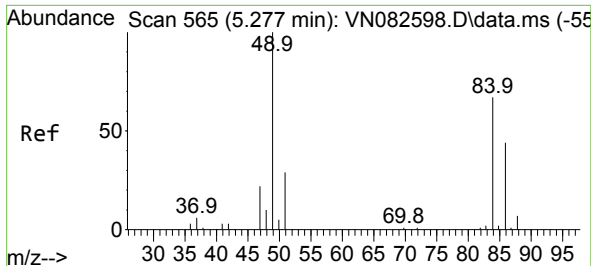
Tgt Ion: 43 Resp: 750

Ion Ratio Lower Upper

43 100

74 0.0 16.3 24.5#

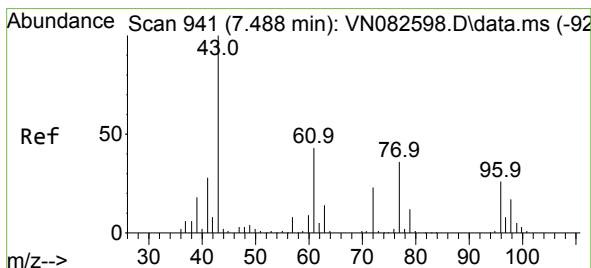
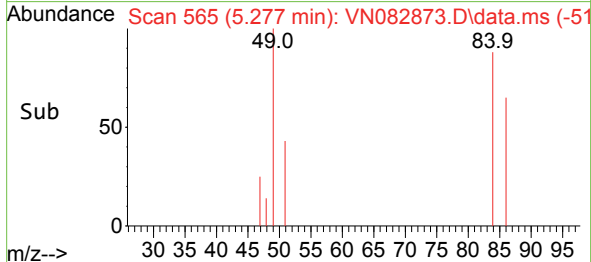
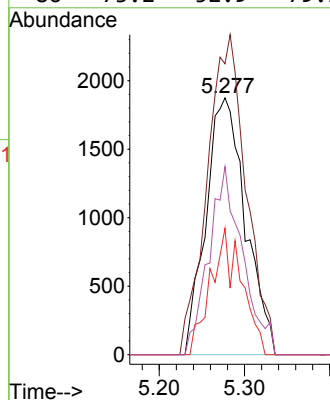
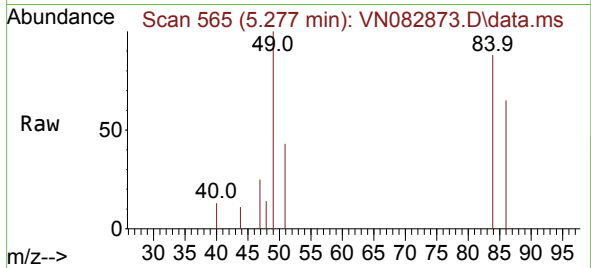




#20
Methylene Chloride
Concen: 4.077 ug/l
RT: 5.277 min Scan# 50
Delta R.T. 0.000 min
Lab File: VN082873.D
Acq: 11 Jul 2024 13:55

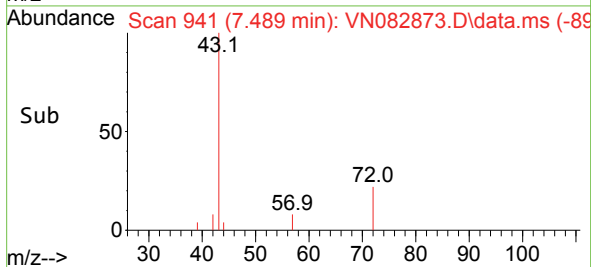
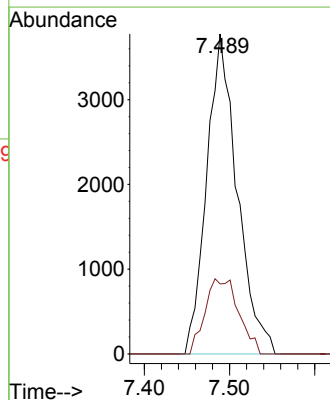
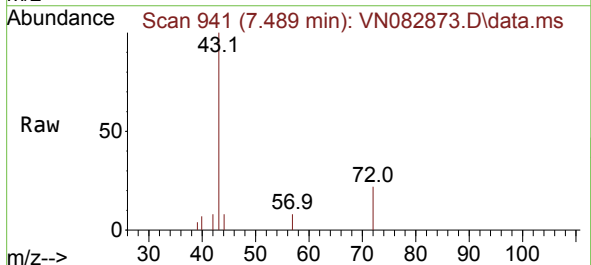
Instrument :
MSVOA_N
ClientSampleId :
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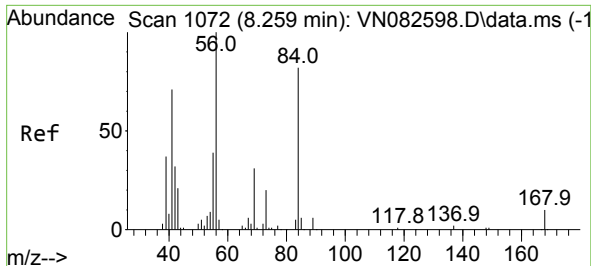
Tgt Ion: 84 Resp: 6031
Ion Ratio Lower Upper
84 100
49 113.2 119.6 179.4#
51 49.2 34.8 52.2
86 73.2 52.9 79.3



#25
2-Butanone
Concen: 10.134 ug/l
RT: 7.489 min Scan# 941
Delta R.T. 0.001 min
Lab File: VN082873.D
Acq: 11 Jul 2024 13:55

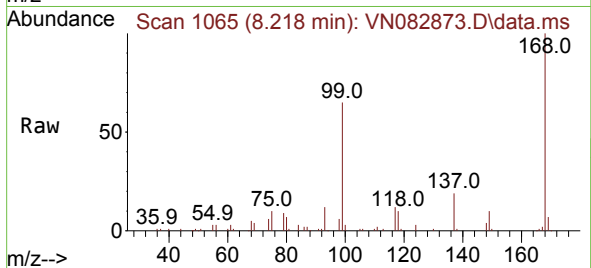
Tgt Ion: 43 Resp: 9372
Ion Ratio Lower Upper
43 100
72 21.9 18.2 27.2



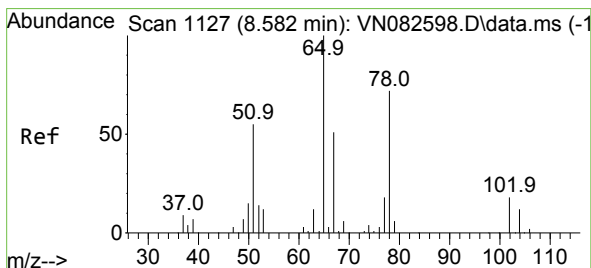
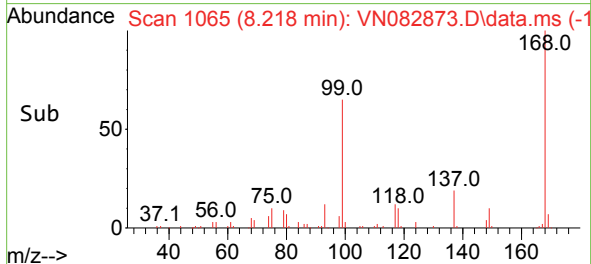
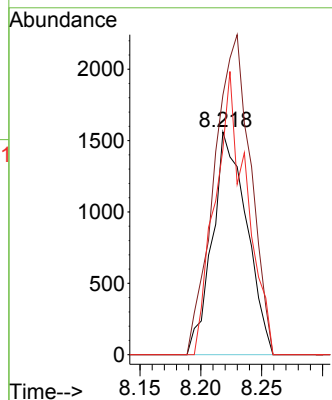


#31
Cyclohexane
Concen: 1.340 ug/l
RT: 8.218 min Scan# 1065
Delta R.T. -0.041 min
Lab File: VN082873.D
Acq: 11 Jul 2024 13:55

Instrument :
MSVOA_N
ClientSampleId :
N28660

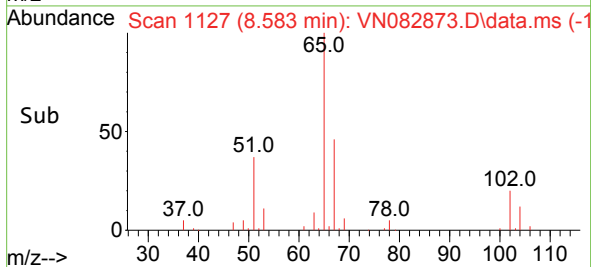
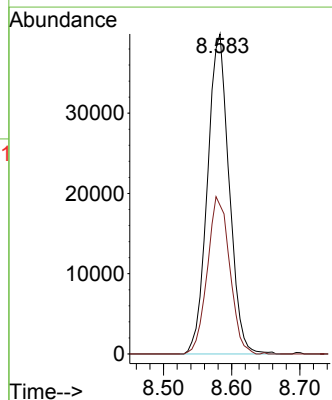
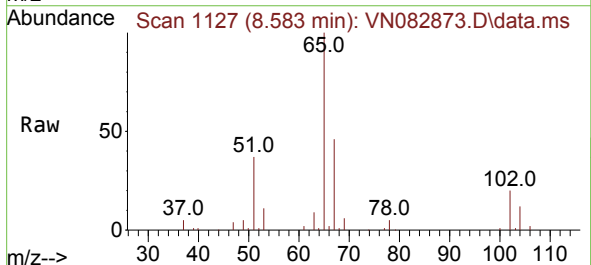


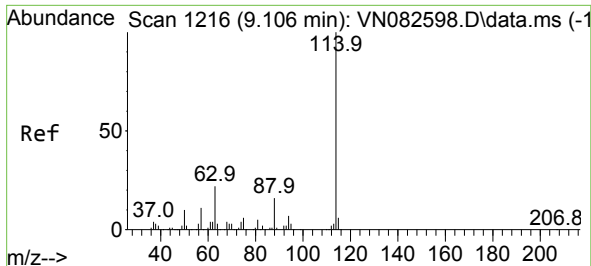
Tgt Ion: 56 Resp: 3048
Ion Ratio Lower Upper
56 100
69 116.6 24.5 36.7#
84 92.3 66.0 99.0



#33
1,2-Dichloroethane-d4
Concen: 50.649 ug/l
RT: 8.583 min Scan# 1127
Delta R.T. 0.001 min
Lab File: VN082873.D
Acq: 11 Jul 2024 13:55

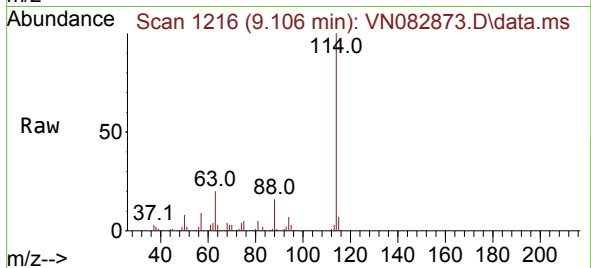
Tgt Ion: 65 Resp: 88108
Ion Ratio Lower Upper
65 100
67 50.7 0.0 104.4



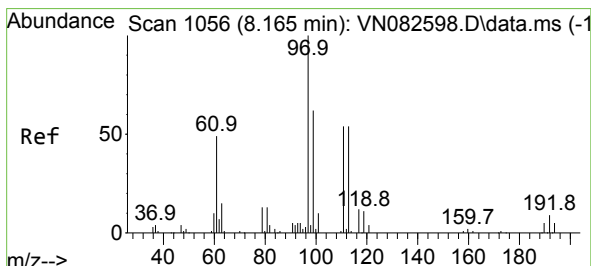
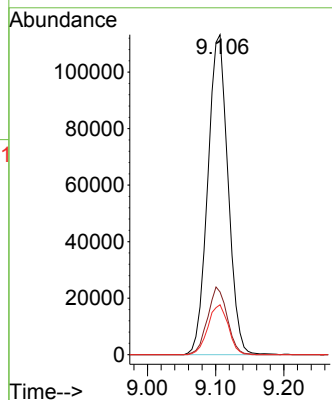
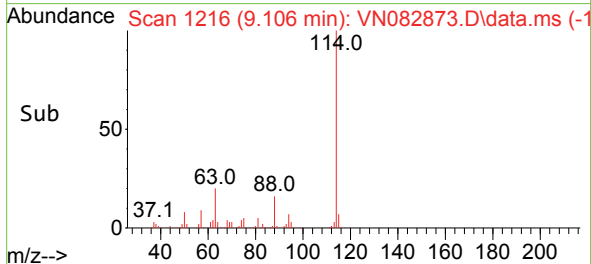


#34
1,4-Difluorobenzene
Concen: 50.000 ug/l
RT: 9.106 min Scan# 11
Delta R.T. 0.000 min
Lab File: VN082873.D
Acq: 11 Jul 2024 13:55

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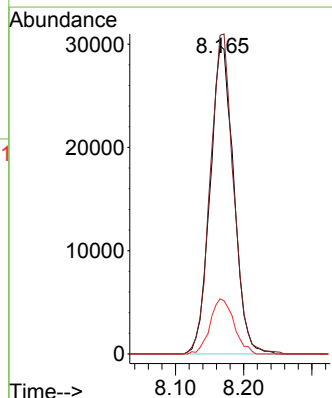
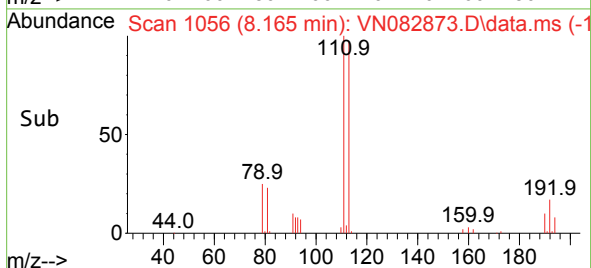
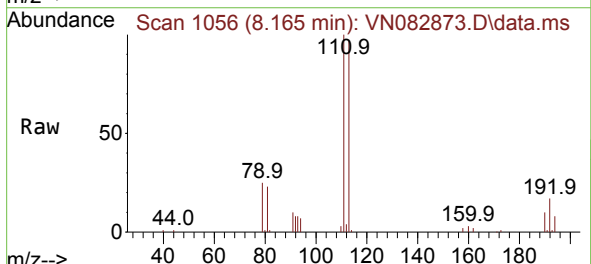


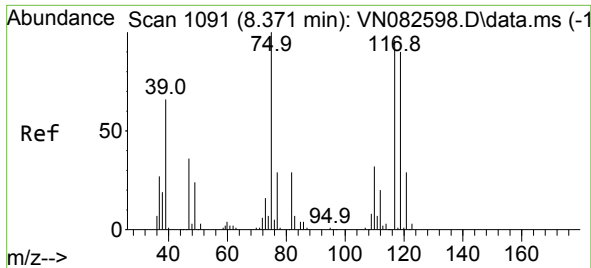
Tgt Ion:114 Resp: 233320
Ion Ratio Lower Upper
114 100
63 19.6 0.0 44.6
88 15.6 0.0 31.4



#35
Dibromofluoromethane
Concen: 47.908 ug/l
RT: 8.165 min Scan# 1056
Delta R.T. 0.000 min
Lab File: VN082873.D
Acq: 11 Jul 2024 13:55

Tgt Ion:113 Resp: 71726
Ion Ratio Lower Upper
113 100
111 102.5 82.4 123.6
192 18.1 14.9 22.3





#36

1,1-Dichloropropene

Concen: 5.105 ug/l

RT: 8.230 min Scan# 10537

Delta R.T. -0.141 min

Lab File: VN082873.D

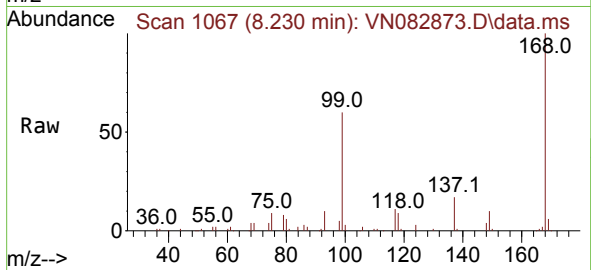
Acq: 11 Jul 2024 13:55

Instrument :

MSVOA_N

ClientSampleId :

N28660



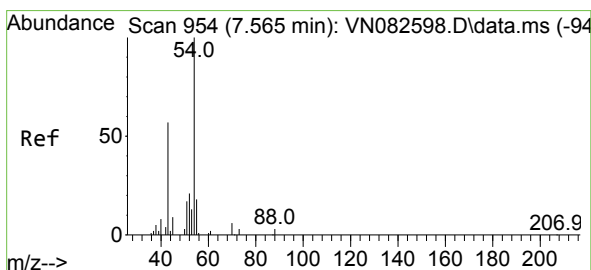
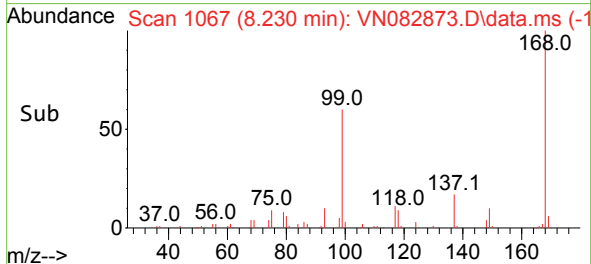
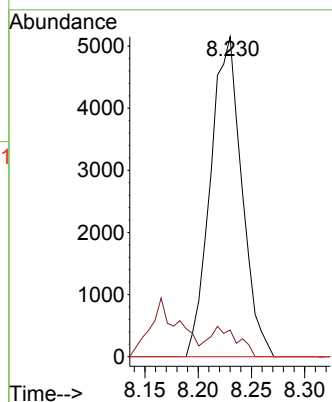
Tgt Ion: 75 Resp: 10537

Ion Ratio Lower Upper

75 100

110 8.6 16.3 48.9#

77 0.0 24.6 37.0#



#37

Ethyl Acetate

Concen: 4.460 ug/l

RT: 7.489 min Scan# 941

Delta R.T. -0.076 min

Lab File: VN082873.D

Acq: 11 Jul 2024 13:55

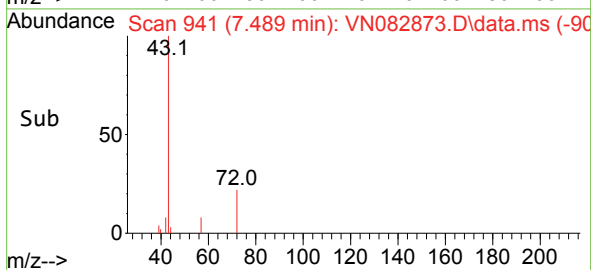
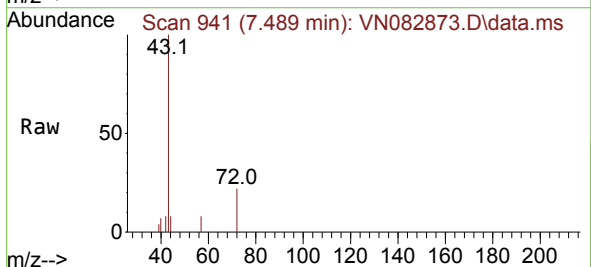
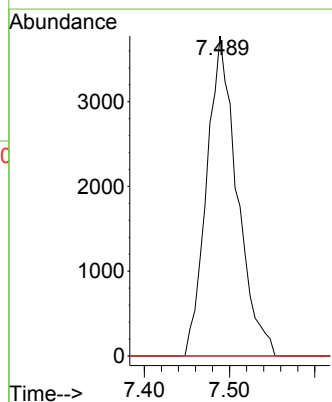
Tgt Ion: 43 Resp: 9372

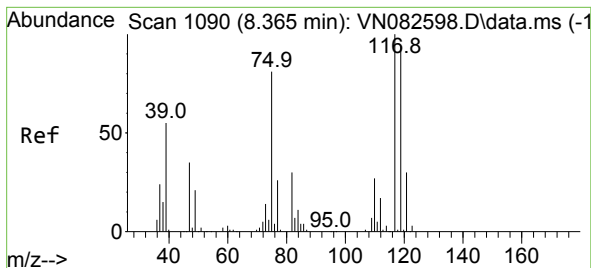
Ion Ratio Lower Upper

43 100

61 0.0 9.3 13.9#

70 0.0 7.0 10.6#





#38

Carbon Tetrachloride

Concen: 5.418 ug/l

RT: 8.230 min Scan# 1067

Delta R.T. -0.135 min

Lab File: VN082873.D

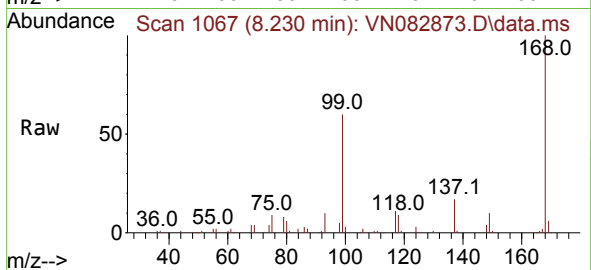
Acq: 11 Jul 2024 13:55

Instrument :

MSVOA_N

ClientSampleId :

N28660



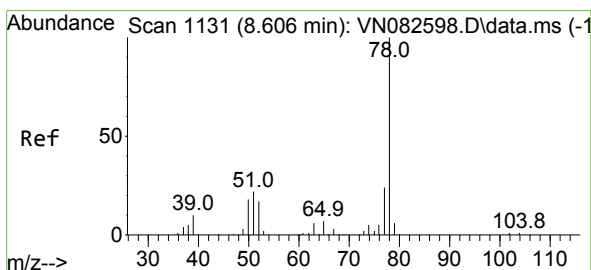
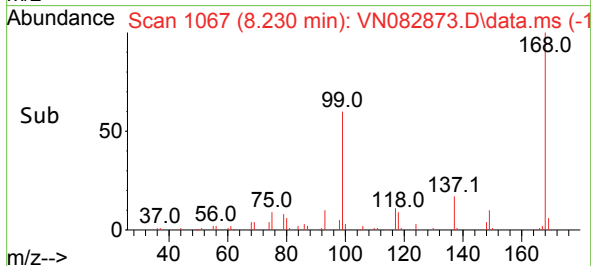
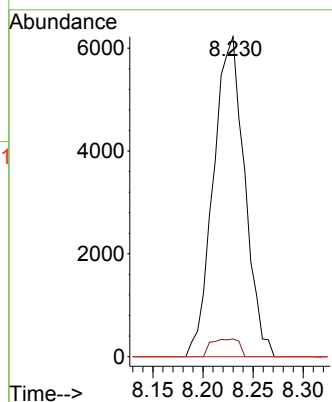
Tgt Ion:117 Resp: 13466

Ion Ratio Lower Upper

117 100

119 5.6 74.9 112.3#

121 0.0 24.3 36.5#



#40

Benzene

Concen: 2.799 ug/l

RT: 8.612 min Scan# 1132

Delta R.T. 0.006 min

Lab File: VN082873.D

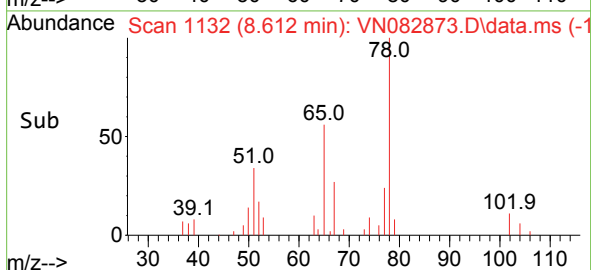
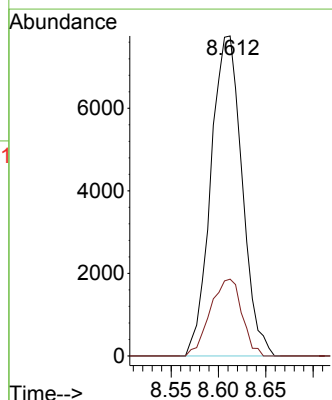
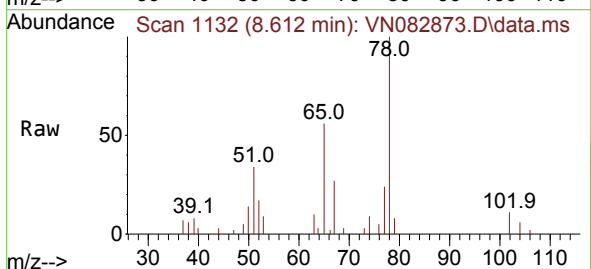
Acq: 11 Jul 2024 13:55

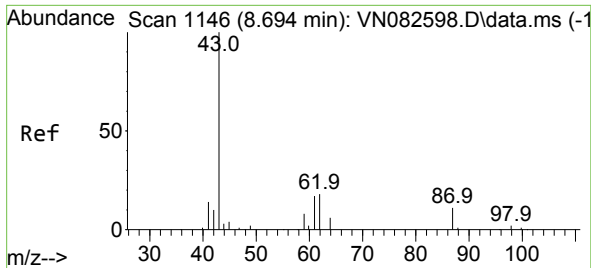
Tgt Ion: 78 Resp: 17771

Ion Ratio Lower Upper

78 100

77 24.0 19.0 28.4

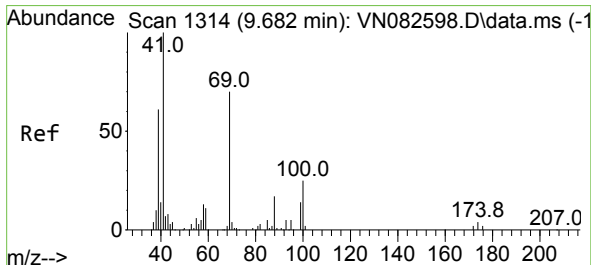
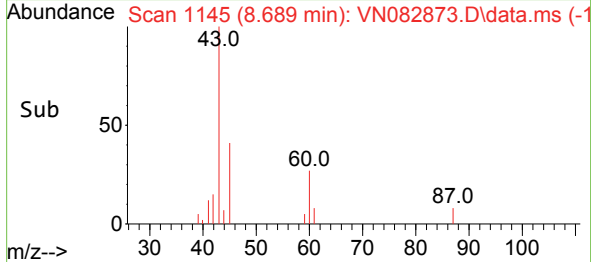
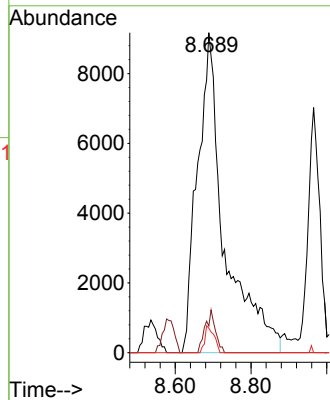
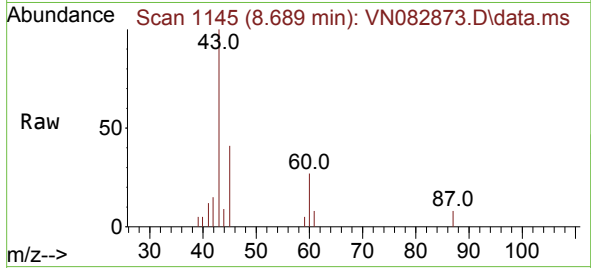




#43
Isopropyl Acetate
Concen: 9.050 ug/l
RT: 8.689 min Scan# 1145
Delta R.T. -0.005 min
Lab File: VN082873.D
Acq: 11 Jul 2024 13:55

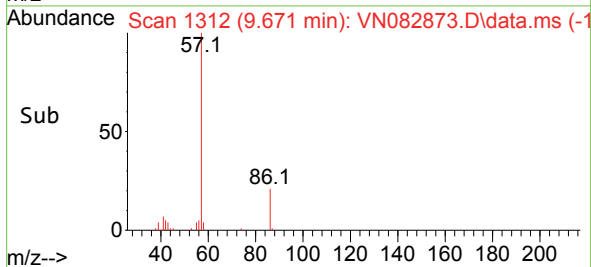
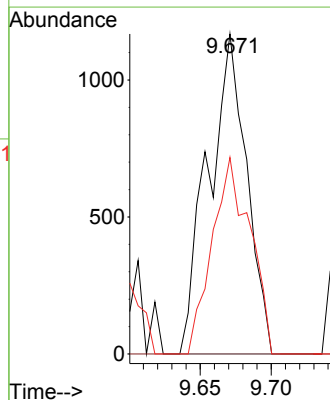
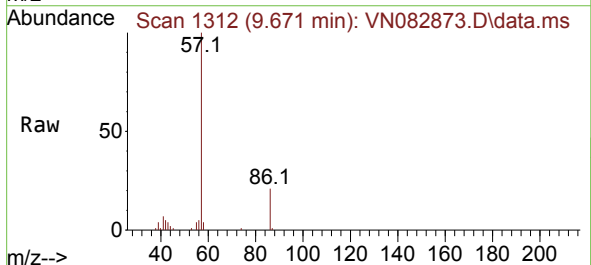
Instrument :
MSVOA_N
ClientSampleId :
N28660

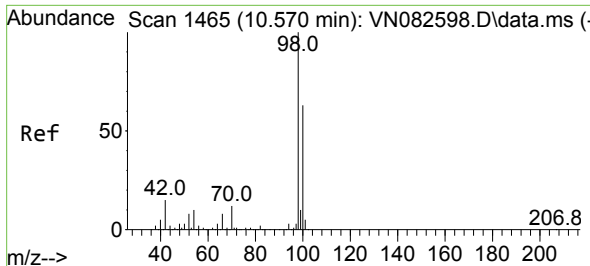
Tgt Ion: 43 Resp: 45492
Ion Ratio Lower Upper
43 100
61 5.1 17.8 26.6#
87 2.8 8.2 12.2#



#48
Methyl methacrylate
Concen: 1.338 ug/l
RT: 9.671 min Scan# 1312
Delta R.T. -0.011 min
Lab File: VN082873.D
Acq: 11 Jul 2024 13:55

Tgt Ion: 41 Resp: 2205
Ion Ratio Lower Upper
41 100
69 0.0 56.3 84.5#
39 60.6 50.3 75.5

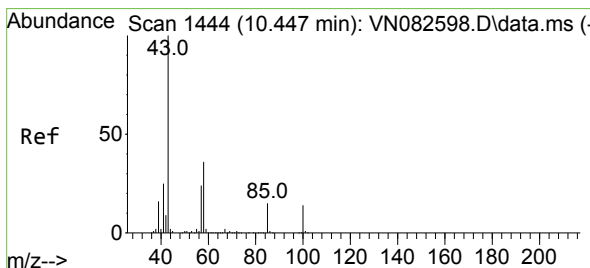
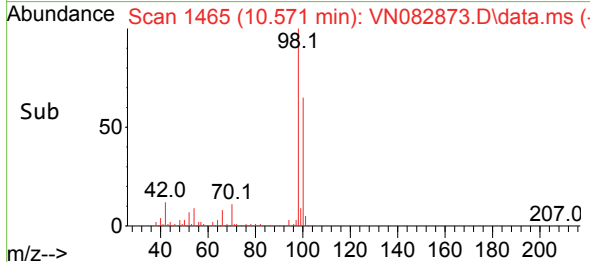
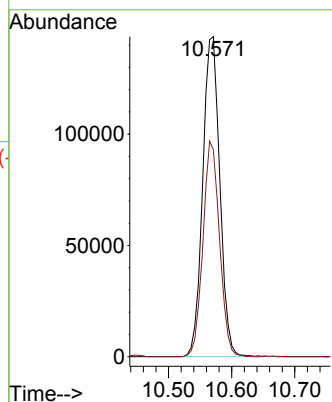
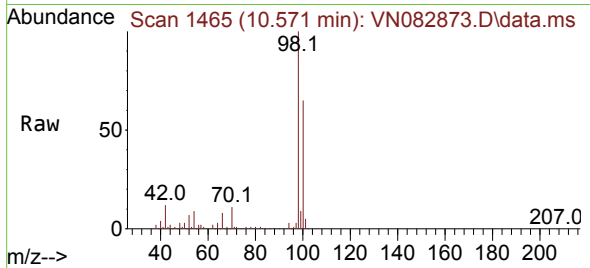




#50
Toluene-d8
Concen: 48.902 ug/l
RT: 10.571 min Scan# 1465
Delta R.T. 0.001 min
Lab File: VN082873.D
Acq: 11 Jul 2024 13:55

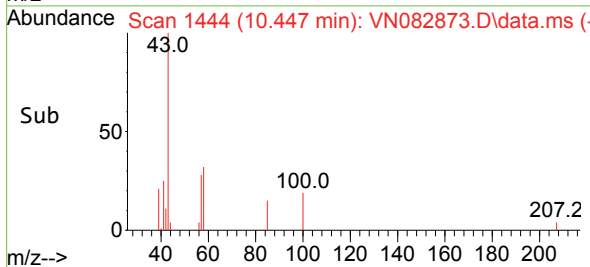
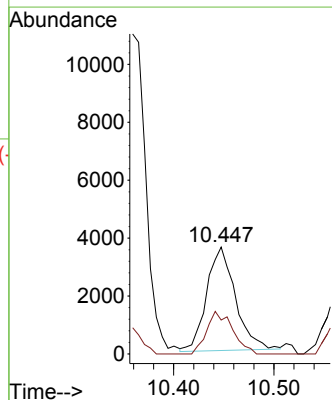
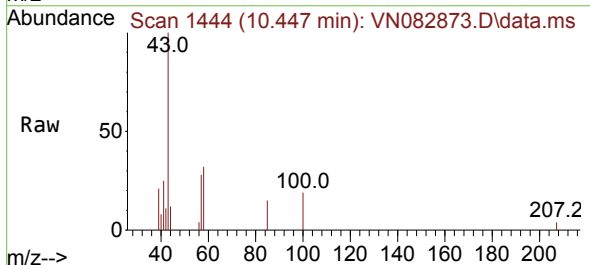
Instrument :
MSVOA_N
ClientSampleId :
N28660

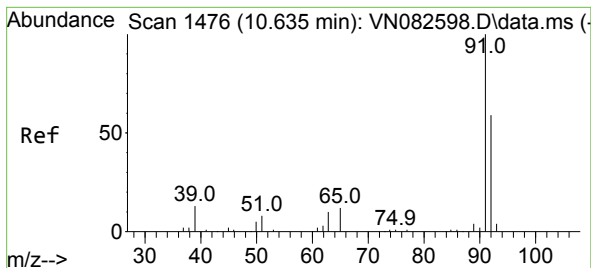
Tgt Ion: 98 Resp: 270412
Ion Ratio Lower Upper
98 100
100 65.2 51.5 77.3



#51
4-Methyl-2-Pentanone
Concen: 3.433 ug/l
RT: 10.447 min Scan# 1444
Delta R.T. 0.000 min
Lab File: VN082873.D
Acq: 11 Jul 2024 13:55

Tgt Ion: 43 Resp: 7152
Ion Ratio Lower Upper
43 100
58 36.9 28.2 42.4





#52

Toluene

Concen: 0.457 ug/l

RT: 10.636 min Scan# 1476

Delta R.T. 0.001 min

Lab File: VN082873.D

Acq: 11 Jul 2024 13:55

Instrument :

MSVOA_N

ClientSampleId :

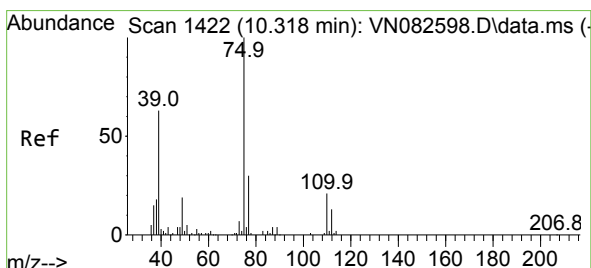
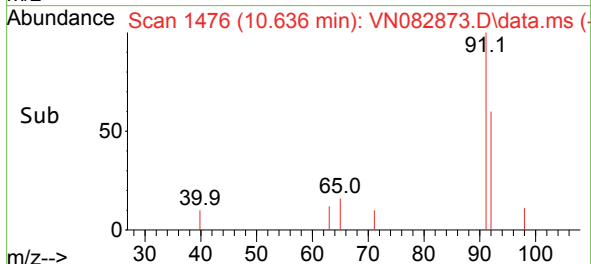
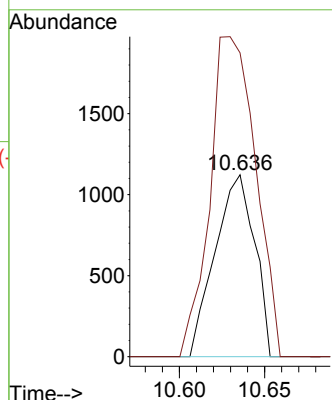
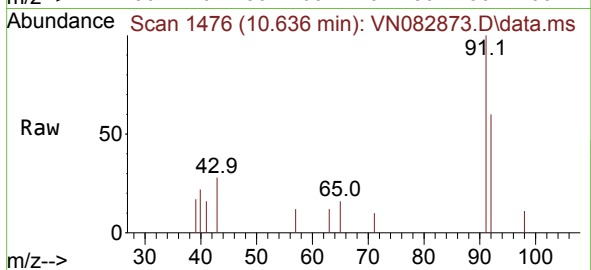
N28660

Tgt Ion: 92 Resp: 1811

Ion Ratio Lower Upper

92 100

91 203.8 139.4 209.0



#54

cis-1,3-Dichloropropene

Concen: 3.599 ug/l

RT: 10.359 min Scan# 1429

Delta R.T. 0.041 min

Lab File: VN082873.D

Acq: 11 Jul 2024 13:55

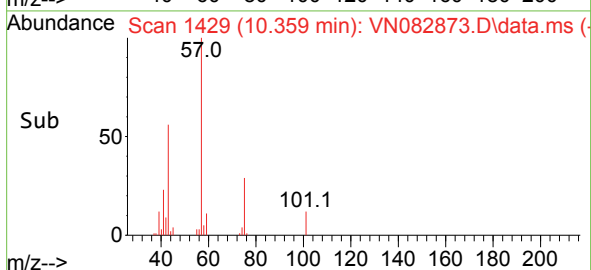
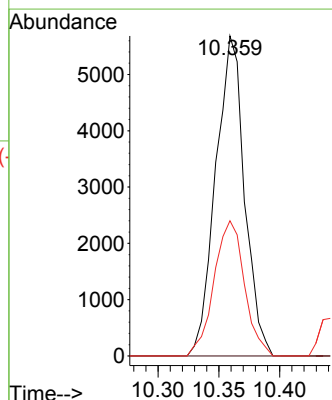
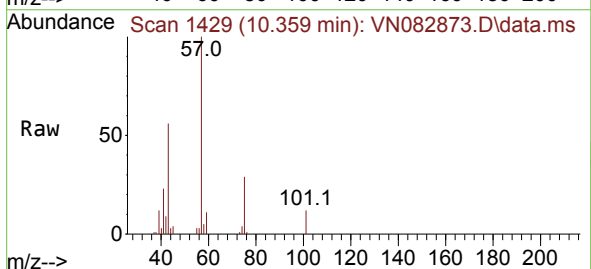
Tgt Ion: 75 Resp: 9364

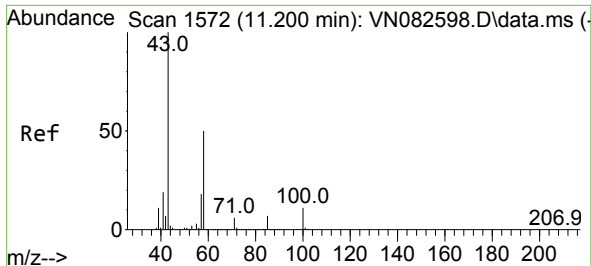
Ion Ratio Lower Upper

75 100

77 0.0 24.3 36.5#

39 42.2 50.5 75.7#

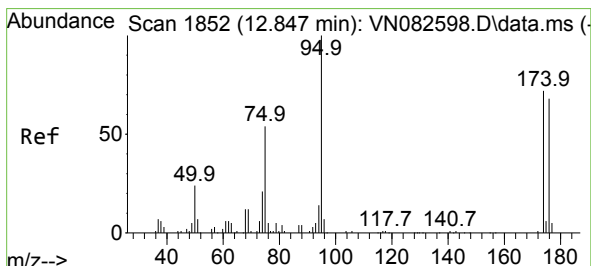
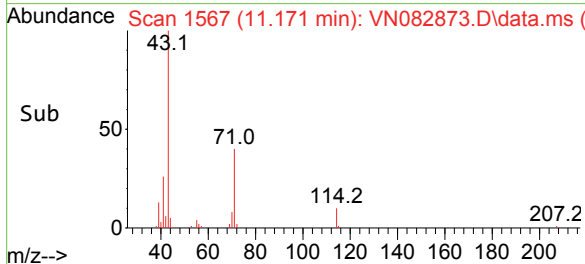
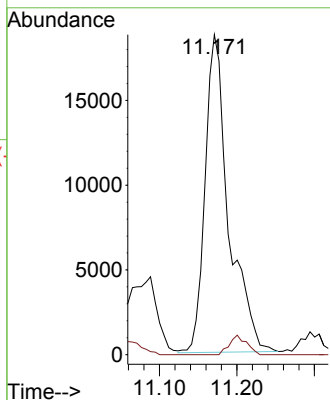
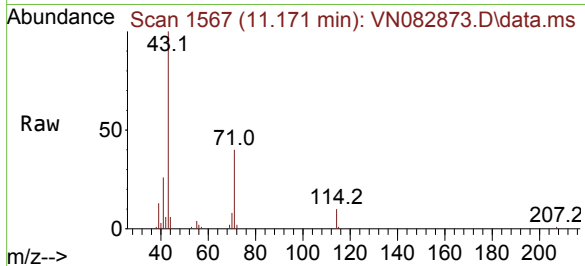




#59
2-Hexanone
Concen: 25.561 ug/l
RT: 11.171 min Scan# 11
Delta R.T. -0.029 min
Lab File: VN082873.D
Acq: 11 Jul 2024 13:55

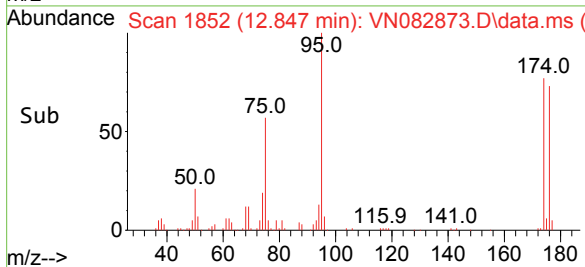
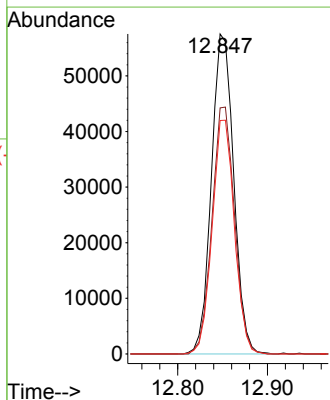
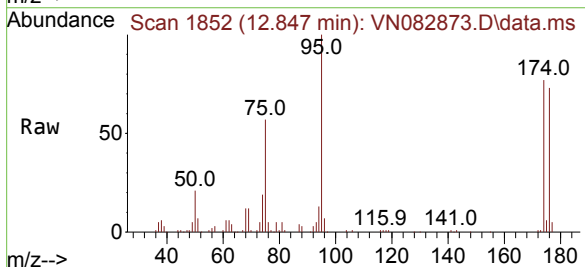
Instrument :
MSVOA_N
ClientSampleId :
N28660

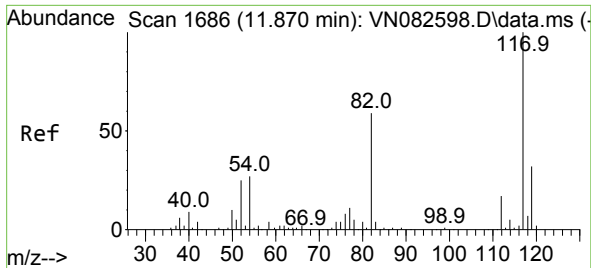
Tgt Ion: 43 Resp: 39594
Ion Ratio Lower Upper
43 100
58 0.0 24.6 73.8#



#62
4-Bromofluorobenzene
Concen: 50.005 ug/l
RT: 12.847 min Scan# 1852
Delta R.T. 0.000 min
Lab File: VN082873.D
Acq: 11 Jul 2024 13:55

Tgt Ion: 95 Resp: 99326
Ion Ratio Lower Upper
95 100
174 78.1 0.0 159.2
176 72.8 0.0 147.6

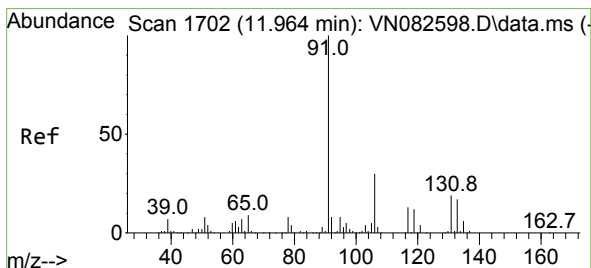
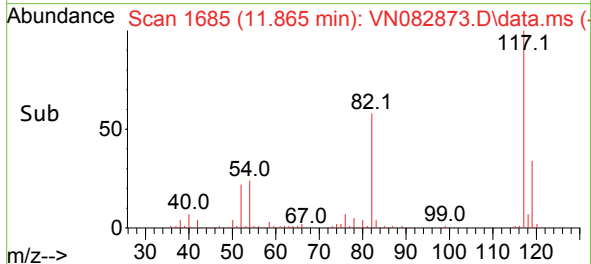
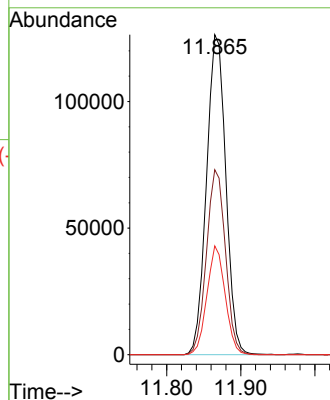
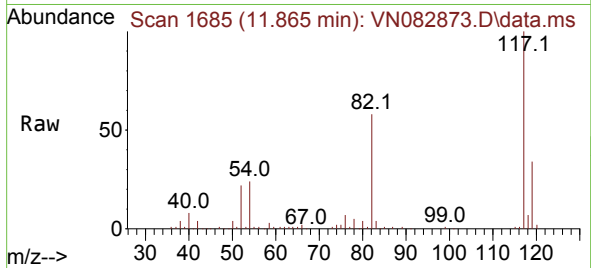




#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.865 min Scan# 117
Delta R.T. -0.005 min
Lab File: VN082873.D
Acq: 11 Jul 2024 13:55

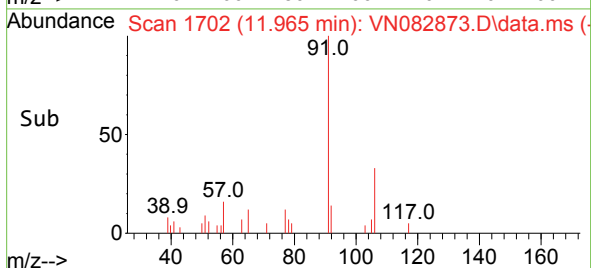
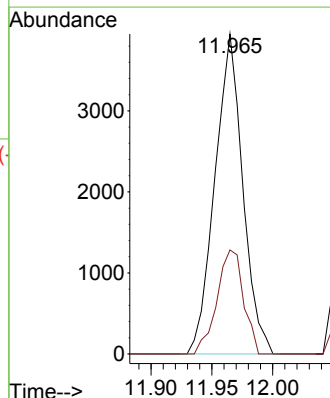
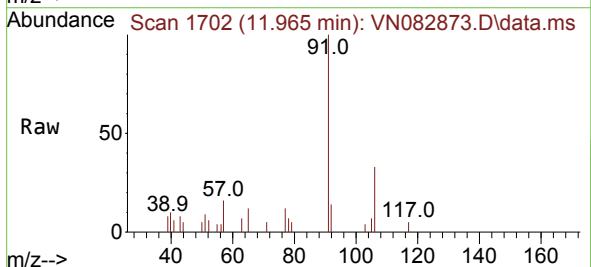
Instrument :
MSVOA_N
ClientSampleId :
N28660

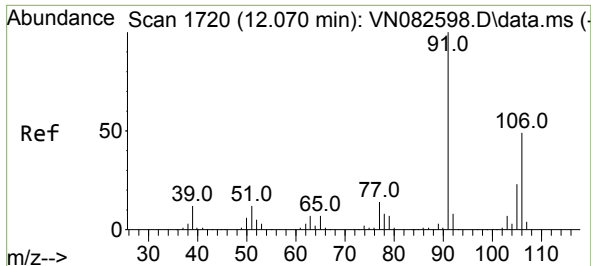
Tgt Ion:117 Resp: 228715
Ion Ratio Lower Upper
117 100
82 57.8 47.5 71.3
119 34.0 25.6 38.4



#67
Ethyl Benzene
Concen: 0.763 ug/l
RT: 11.965 min Scan# 1702
Delta R.T. 0.001 min
Lab File: VN082873.D
Acq: 11 Jul 2024 13:55

Tgt Ion: 91 Resp: 6283
Ion Ratio Lower Upper
91 100
106 32.5 24.0 36.0

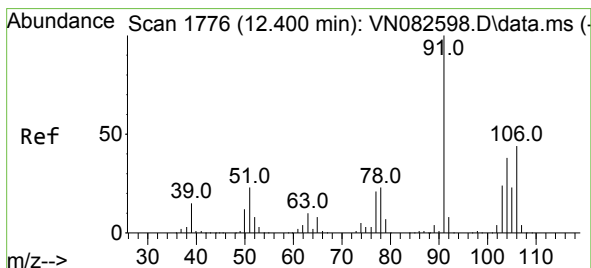
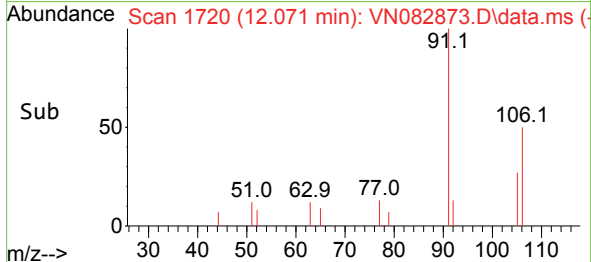
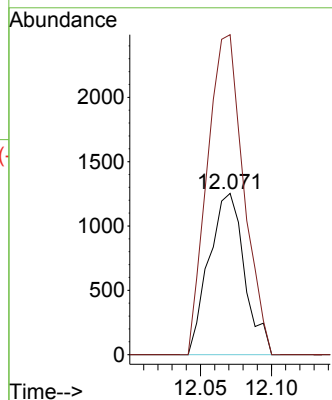
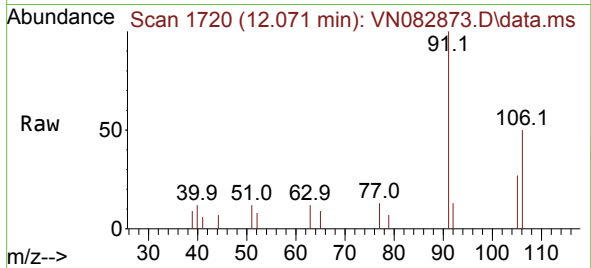




#68
m/p-Xylenes
Concen: 0.700 ug/l
RT: 12.071 min Scan# 1720
Delta R.T. 0.001 min
Lab File: VN082873.D
Acq: 11 Jul 2024 13:55

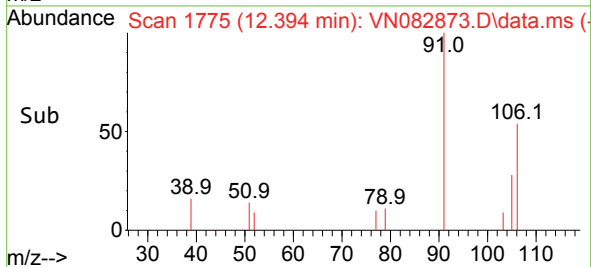
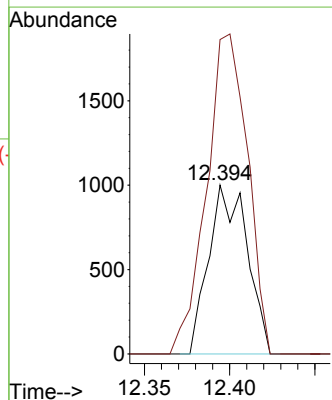
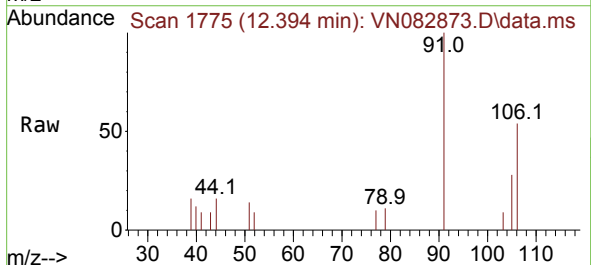
Instrument :
MSVOA_N
ClientSampleId :
N28660

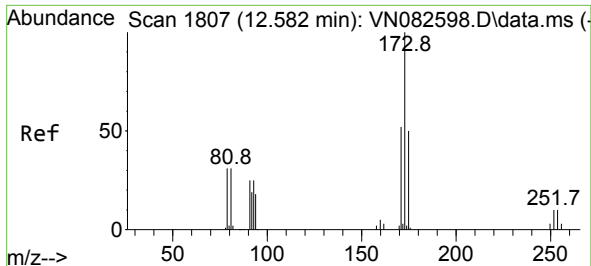
Tgt Ion:106 Resp: 2178
Ion Ratio Lower Upper
106 100
91 202.8 166.1 249.1



#69
o-Xylene
Concen: 0.528 ug/l
RT: 12.394 min Scan# 1775
Delta R.T. -0.006 min
Lab File: VN082873.D
Acq: 11 Jul 2024 13:55

Tgt Ion:106 Resp: 1572
Ion Ratio Lower Upper
106 100
91 201.9 111.3 333.9

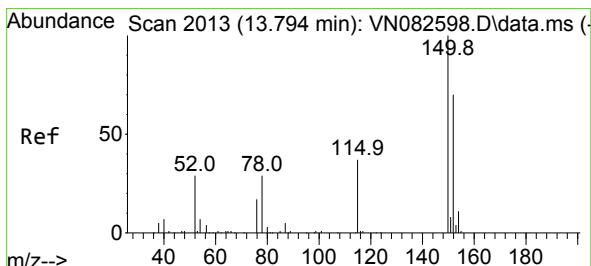
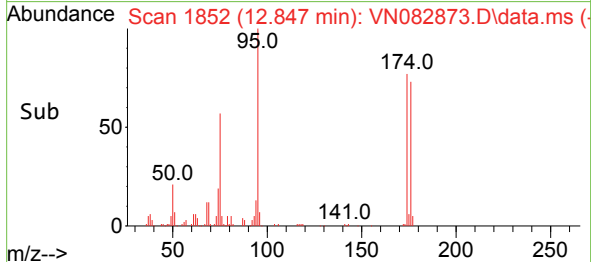
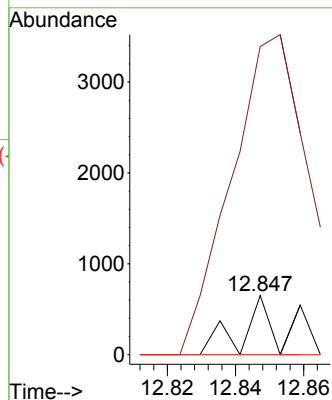
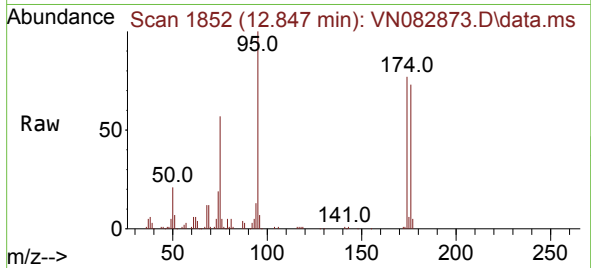




#71
Bromoform
Concen: 0.263 ug/l
RT: 12.847 min Scan# 1807
Delta R.T. 0.265 min
Lab File: VN082873.D
Acq: 11 Jul 2024 13:55

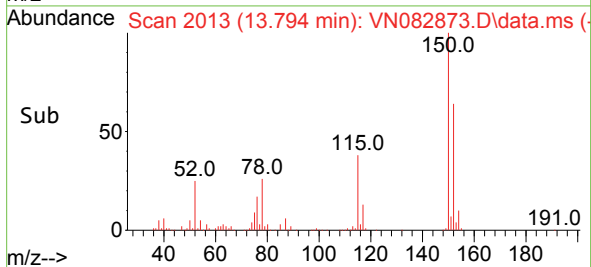
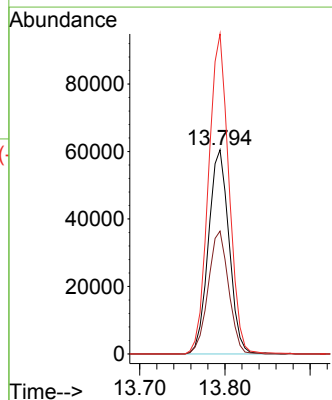
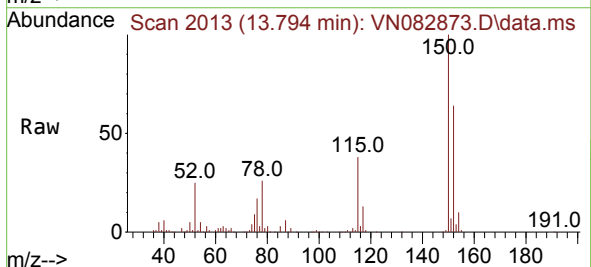
Instrument :
MSVOA_N
ClientSampleId :
N28660

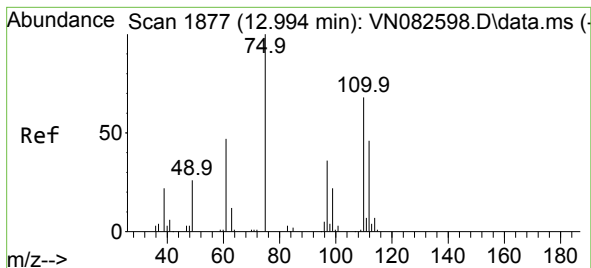
Tgt Ion:173 Resp: 361
Ion Ratio Lower Upper
173 100
175 1346.5 24.0 72.0#
254 0.0 0.0 0.0



#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 13.794 min Scan# 2013
Delta R.T. 0.000 min
Lab File: VN082873.D
Acq: 11 Jul 2024 13:55

Tgt Ion:152 Resp: 101407
Ion Ratio Lower Upper
152 100
115 59.8 30.6 91.6
150 155.5 0.0 348.6





#76

1,2,3-Trichloropropane

Concen: 31.326 ug/l

RT: 12.847 min Scan# 11

Delta R.T. -0.147 min

Lab File: VN082873.D

Acq: 11 Jul 2024 13:55

Instrument :

MSVOA_N

ClientSampleId :

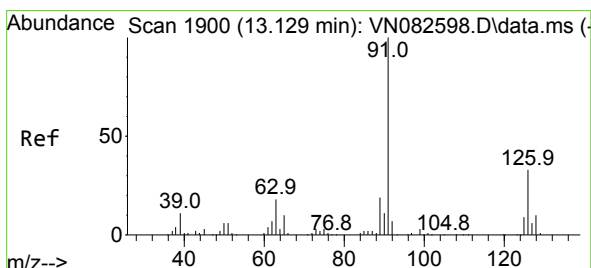
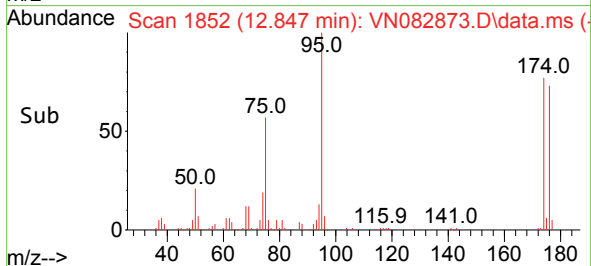
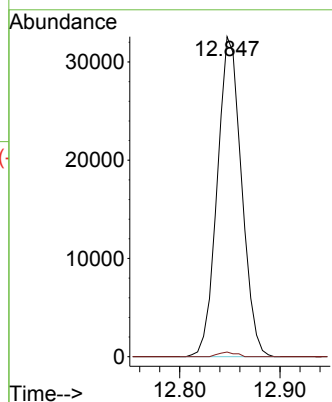
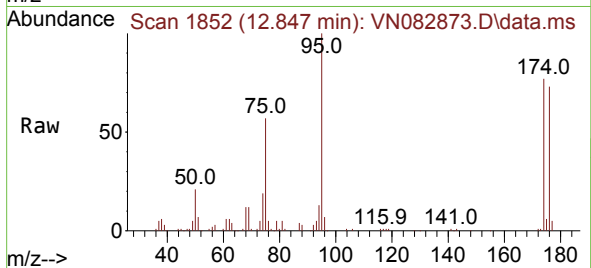
N28660

Tgt Ion: 75 Resp: 54767

Ion Ratio Lower Upper

75 100

77 1.0 110.9 332.6#



#79

2-Chlorotoluene

Concen: 0.208 ug/l

RT: 13.035 min Scan# 1884

Delta R.T. -0.094 min

Lab File: VN082873.D

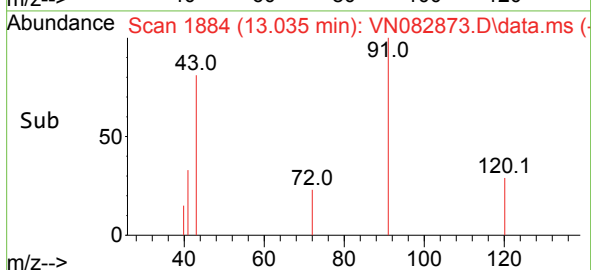
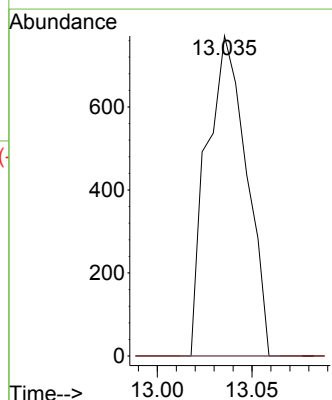
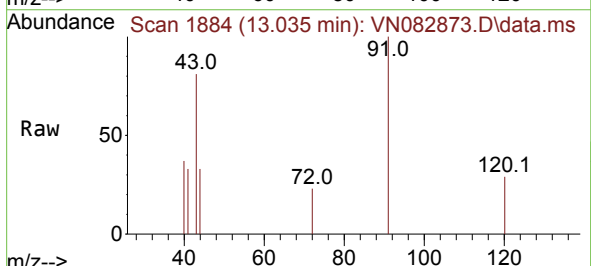
Acq: 11 Jul 2024 13:55

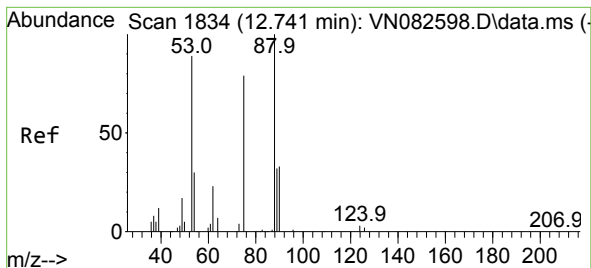
Tgt Ion: 91 Resp: 1121

Ion Ratio Lower Upper

91 100

126 0.0 16.2 48.6#

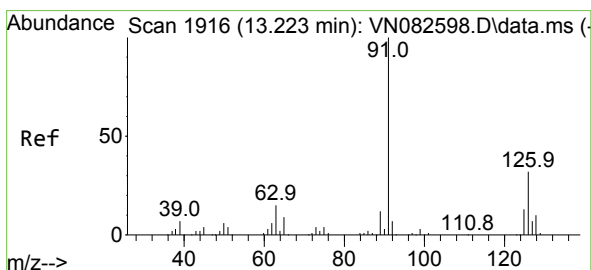
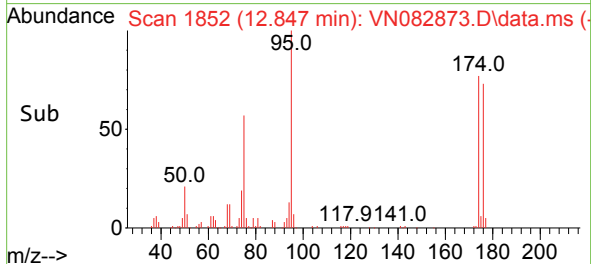
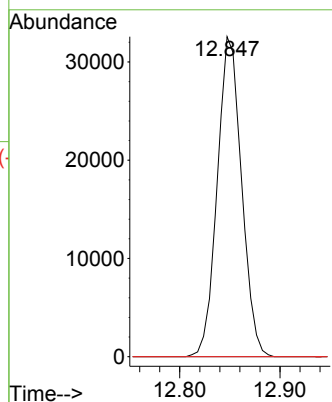
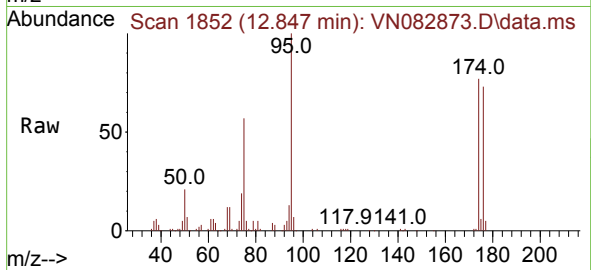




#81
trans-1,4-Dichloro-2-butene
Concen: 61.608 ug/l
RT: 12.847 min Scan# 11
Delta R.T. 0.106 min
Lab File: VN082873.D
Acq: 11 Jul 2024 13:55

Instrument :
MSVOA_N
ClientSampleId :
N28660

Tgt Ion: 75 Resp: 54767
Ion Ratio Lower Upper
75 100
53 0.0 88.4 132.6#
89 0.0 36.3 54.5#



#82
4-Chlorotoluene
Concen: 0.210 ug/l
RT: 13.035 min Scan# 1884
Delta R.T. -0.188 min
Lab File: VN082873.D
Acq: 11 Jul 2024 13:55

Tgt Ion: 91 Resp: 1121
Ion Ratio Lower Upper
91 100
126 0.0 16.2 48.6#

