

Data Path : Z:\voasrv\HPCHEM1\MSVOA_N\Data\VN062524\
 Data File : VN082712.D
 Acq On : 25 Jun 2024 12:56
 Operator : JC\MD
 Sample : PB161676ZHE#04
 Misc : 5.0mL/MSVOA_N/WATER
 ALS Vial : 11 Sample Multiplier: 1

Instrument :
 MSVOA_N
 ClientSampleId :

Quant Time: Jun 26 01:21:05 2024
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_N\methods\82N061724W.M
 Quant Title : SW846 8260
 QLast Update : Tue Jun 18 04:52:44 2024
 Response via : Initial Calibration

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

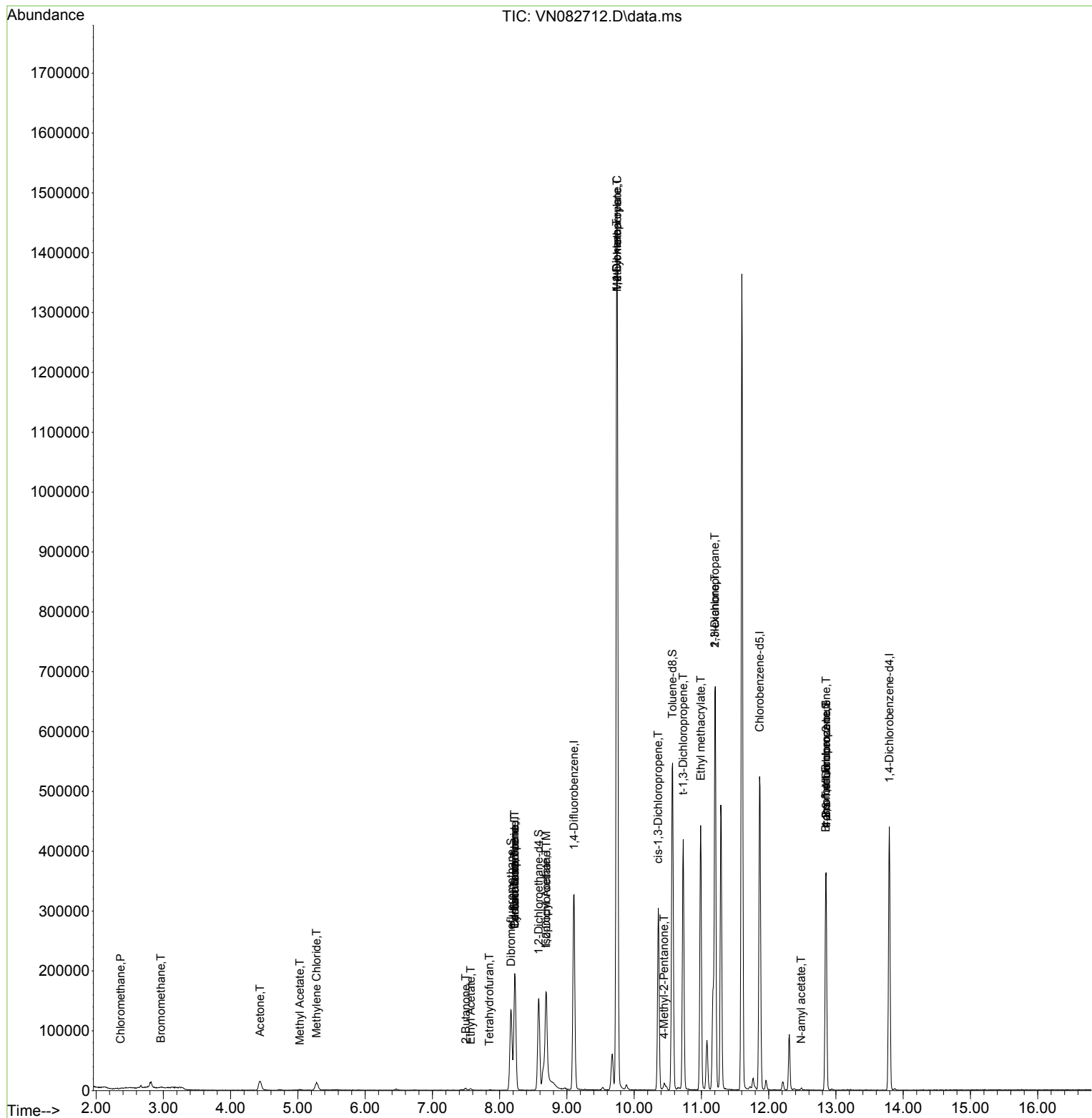
Internal Standards						
1) Pentafluorobenzene	8.224	168	133635	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	9.106	114	262742	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.865	117	279250	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.794	152	110677	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.583	65	126469	59.014	ug/l	0.00
Spiked Amount 50.000	Range 74 - 125		Recovery = 118.020%			
35) Dibromofluoromethane	8.171	113	94405	52.965	ug/l	0.00
Spiked Amount 50.000	Range 75 - 124		Recovery = 105.920%			
50) Toluene-d8	10.571	98	362070	53.716	ug/l	0.00
Spiked Amount 50.000	Range 86 - 113		Recovery = 107.440%			
62) 4-Bromofluorobenzene	12.853	95	113197	48.711	ug/l	0.00
Spiked Amount 50.000	Range 64 - 133		Recovery = 97.420%			
Target Compounds					Qvalue	
3) Chloromethane	2.365	50	507	0.227	ug/l #	43
5) Bromomethane	2.965	94	792	0.578	ug/l #	60
16) Acetone	4.436	43	31471	32.291	ug/l	90
18) Methyl Acetate	5.030	43	2486	1.043	ug/l #	61
20) Methylene Chloride	5.277	84	9369	5.468	ug/l #	88
25) 2-Butanone	7.494	43	5034	3.634	ug/l #	84
29) Tetrahydrofuran	7.847	42	423	0.499	ug/l #	38
31) Cyclohexane	8.224	56	4130	1.335	ug/l #	31
36) 1,1-Dichloropropene	8.224	75	12341	4.632	ug/l #	49
37) Ethyl Acetate	7.571	43	4080	1.202	ug/l #	83
38) Carbon Tetrachloride	8.224	117	14668	4.885	ug/l #	17
42) 1,2-Dichloroethane	8.694	62	838	0.268	ug/l #	78
43) Isopropyl Acetate	8.688	43	234799	37.017	ug/l #	82
45) 1,2-Dichloropropane	9.747	63	1614	0.762	ug/l #	44
48) Methyl methacrylate	9.747	41	152387	58.277	ug/l #	52
49) 1,4-Dioxane	9.741	88	114	2.787	ug/l #	1
51) 4-Methyl-2-Pentanone	10.447	43	12593	3.871	ug/l #	73
53) t-1,3-Dichloropropene	10.730	75	829	0.265	ug/l #	35
54) cis-1,3-Dichloropropene	10.359	75	45133	13.940	ug/l #	67
56) Ethyl methacrylate	10.988	69	1989	0.665	ug/l #	1
57) 1,3-Dichloropropane	11.200	76	6495	1.945	ug/l #	43
59) 2-Hexanone	11.200	43	101349	40.986	ug/l #	55
71) Bromoform	12.847	173	832	0.461	ug/l #	1
74) N-amyl acetate	12.482	43	1600	0.357	ug/l #	46
76) 1,2,3-Trichloropropane	12.853	75	67771	25.036	ug/l #	1
81) trans-1,4-Dichloro-2-b...	12.853	75	67771	59.896	ug/l #	6

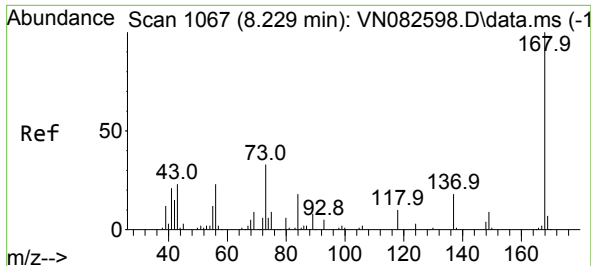
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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ALS Vial : 11 Sample Multiplier: 1

Instrument :
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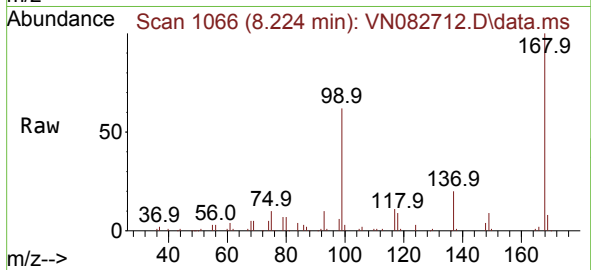
Quant Time: Jun 26 01:21:05 2024
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_N\methods\82N061724W.M
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QLast Update : Tue Jun 18 04:52:44 2024
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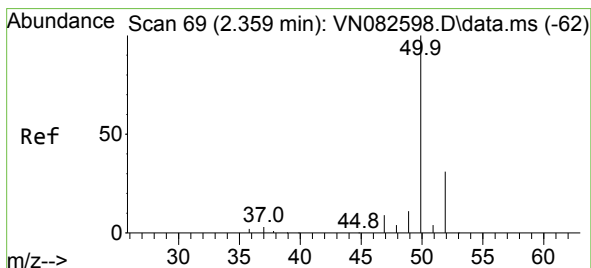
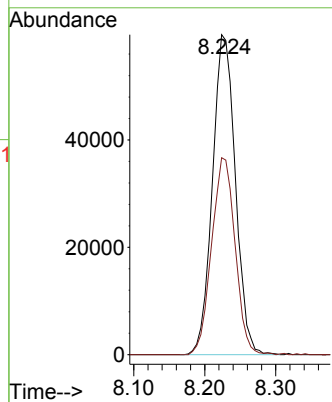
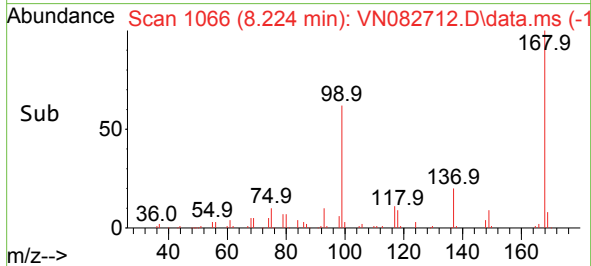


#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 8.224 min Scan# 10
Delta R.T. -0.005 min
Lab File: VN082712.D
Acq: 25 Jun 2024 12:56

Instrument :
MSVOA_N
ClientSampleId :

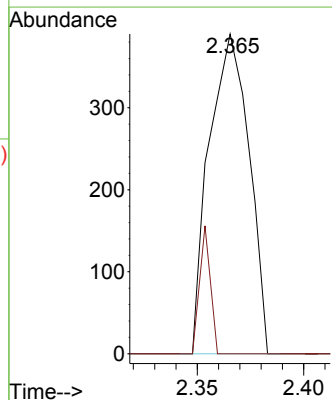
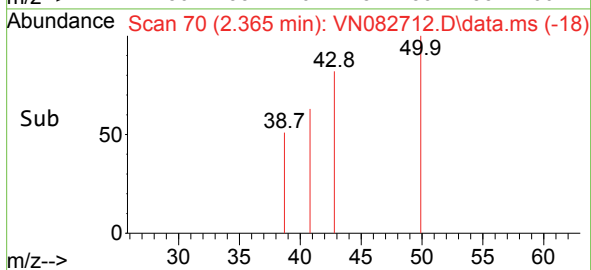
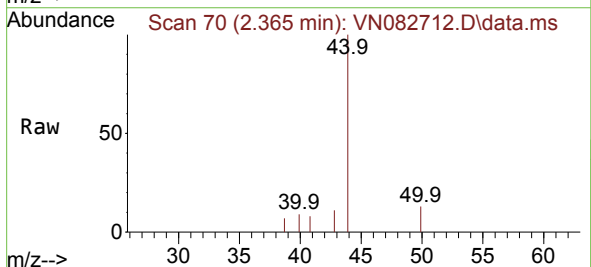


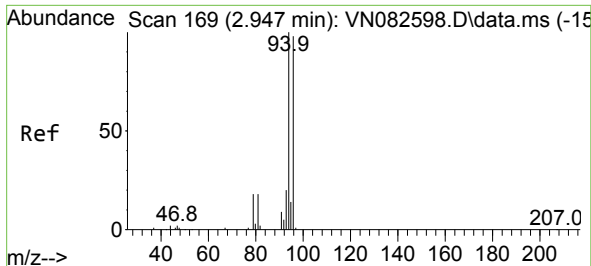
Tgt Ion:168 Resp: 133635
Ion Ratio Lower Upper
168 100
99 61.5 48.2 72.4



#3
Chloromethane
Concen: 0.227 ug/l
RT: 2.365 min Scan# 70
Delta R.T. 0.006 min
Lab File: VN082712.D
Acq: 25 Jun 2024 12:56

Tgt Ion: 50 Resp: 507
Ion Ratio Lower Upper
50 100
52 0.0 25.0 37.4#

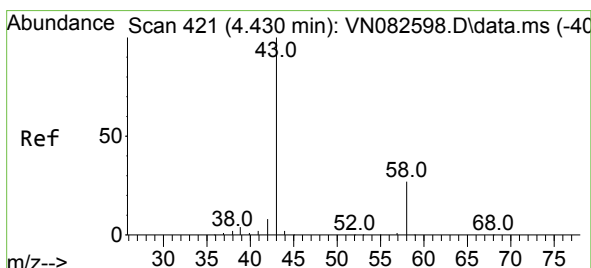
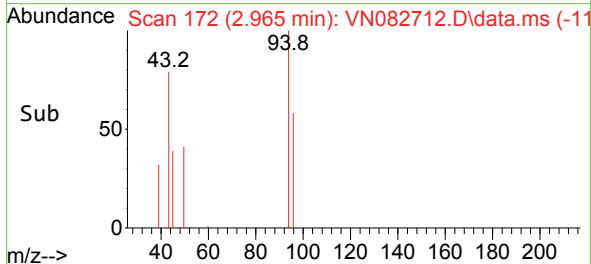
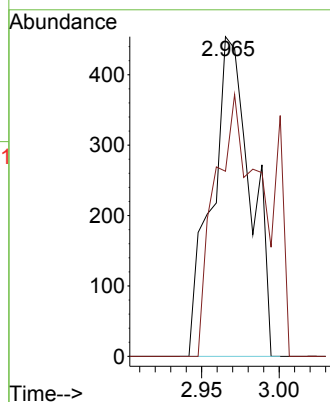
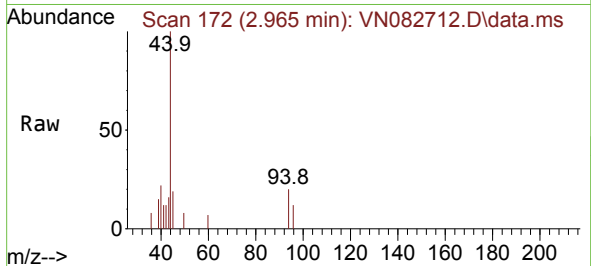




#5
Bromomethane
Concen: 0.578 ug/l
RT: 2.965 min Scan# 11
Delta R.T. 0.018 min
Lab File: VN082712.D
Acq: 25 Jun 2024 12:56

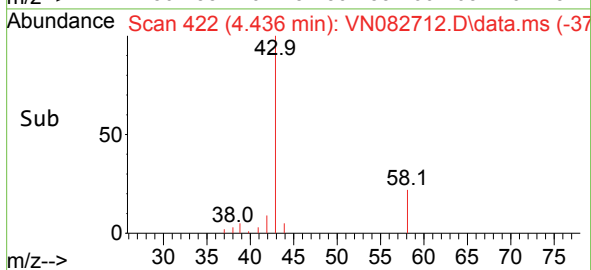
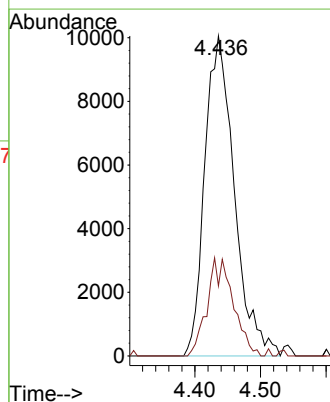
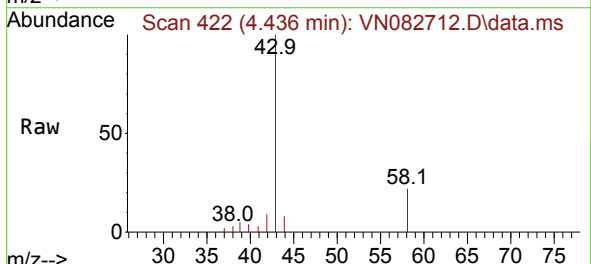
Instrument :
MSVOA_N
ClientSampleId :

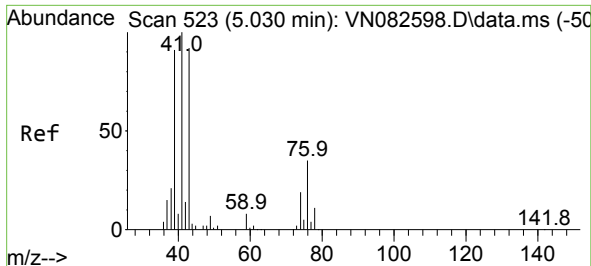
Tgt Ion: 94 Resp: 792
Ion Ratio Lower Upper
94 100
96 57.9 78.0 117.0#



#16
Acetone
Concen: 32.291 ug/l
RT: 4.436 min Scan# 422
Delta R.T. 0.006 min
Lab File: VN082712.D
Acq: 25 Jun 2024 12:56

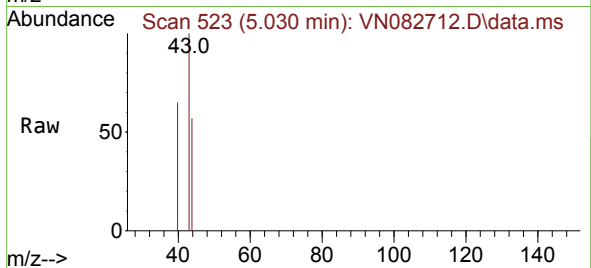
Tgt Ion: 43 Resp: 31471
Ion Ratio Lower Upper
43 100
58 21.9 21.8 32.6



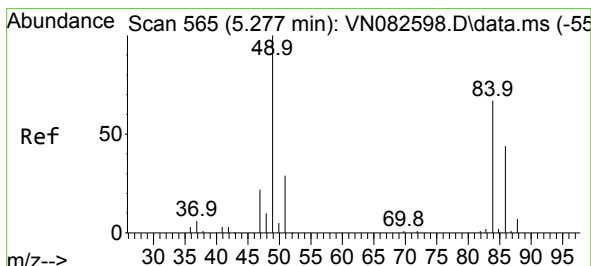
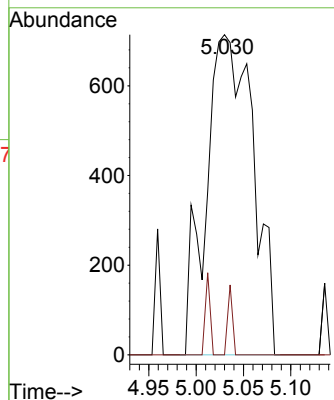
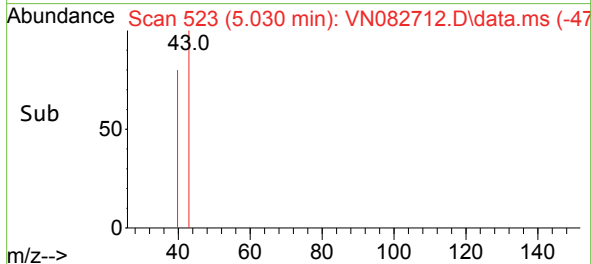


#18
Methyl Acetate
Concen: 1.043 ug/l
RT: 5.030 min Scan# 51
Delta R.T. 0.000 min
Lab File: VN082712.D
Acq: 25 Jun 2024 12:56

Instrument :
MSVOA_N
ClientSampleId :

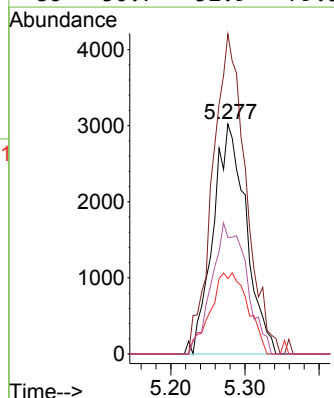
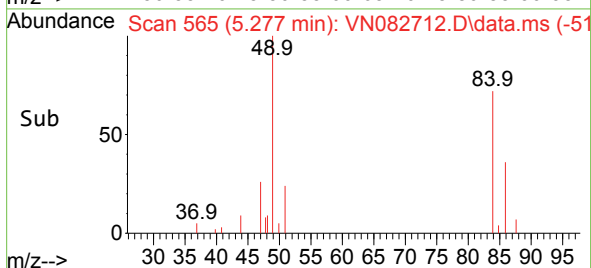
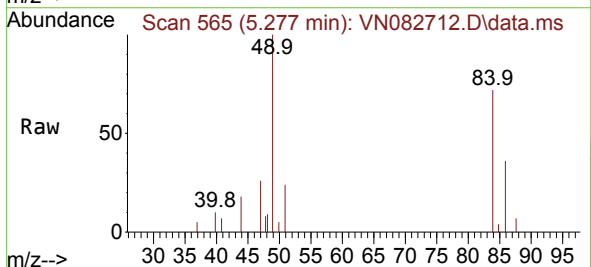


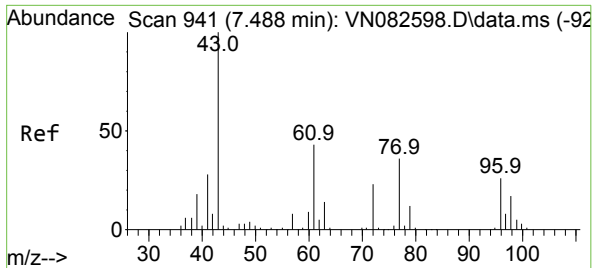
Tgt Ion: 43 Resp: 2486
Ion Ratio Lower Upper
43 100
74 2.2 16.3 24.5#



#20
Methylene Chloride
Concen: 5.468 ug/l
RT: 5.277 min Scan# 565
Delta R.T. 0.000 min
Lab File: VN082712.D
Acq: 25 Jun 2024 12:56

Tgt Ion: 84 Resp: 9369
Ion Ratio Lower Upper
84 100
49 139.2 119.6 179.4
51 32.8 34.8 52.2#
86 50.7 52.9 79.3#

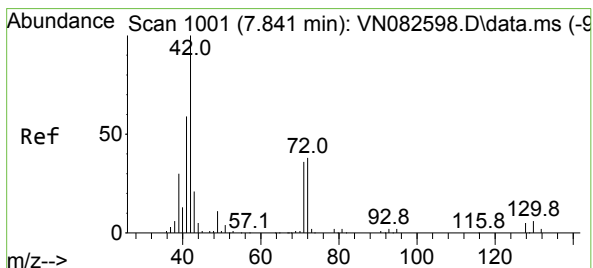
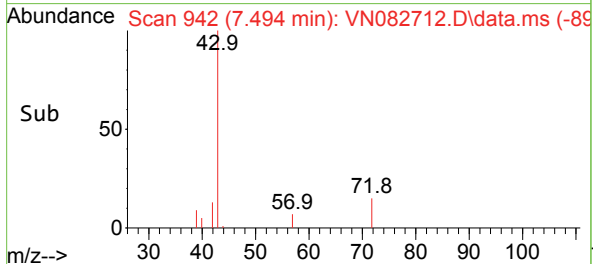
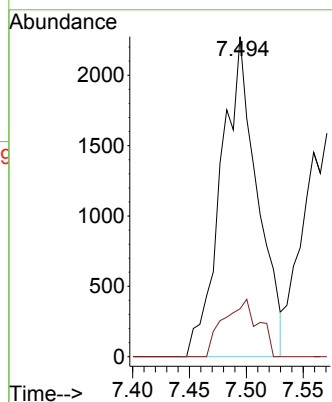
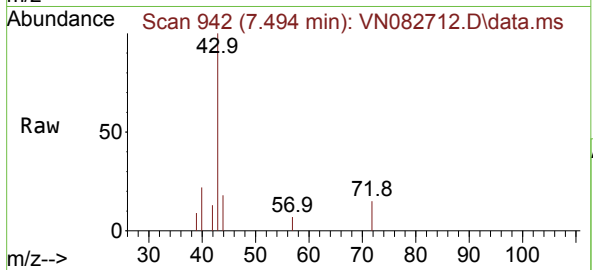




#25
2-Butanone
Concen: 3.634 ug/l
RT: 7.494 min Scan# 941
Delta R.T. 0.006 min
Lab File: VN082712.D
Acq: 25 Jun 2024 12:56

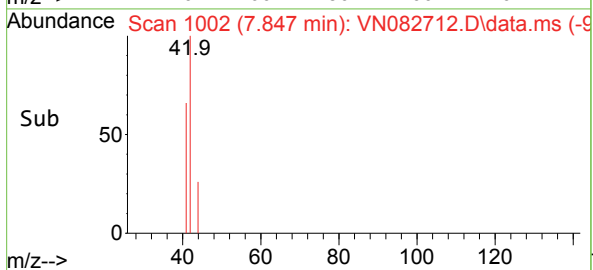
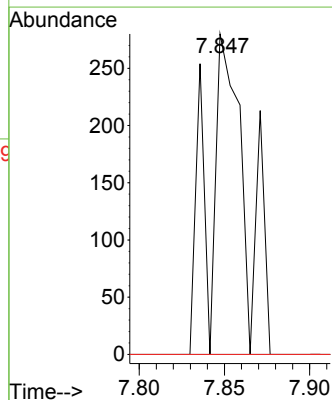
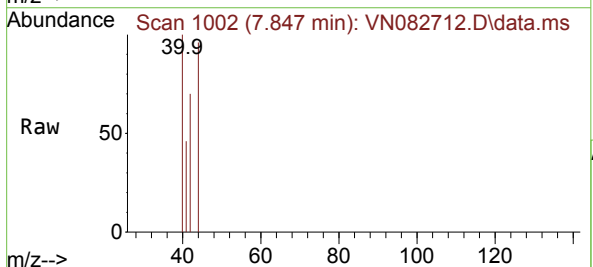
Instrument :
MSVOA_N
ClientSampleId :

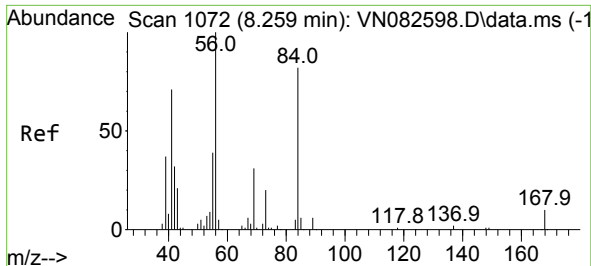
Tgt Ion: 43 Resp: 5034
Ion Ratio Lower Upper
43 100
72 15.0 18.2 27.2#



#29
Tetrahydrofuran
Concen: 0.499 ug/l
RT: 7.847 min Scan# 1002
Delta R.T. 0.006 min
Lab File: VN082712.D
Acq: 25 Jun 2024 12:56

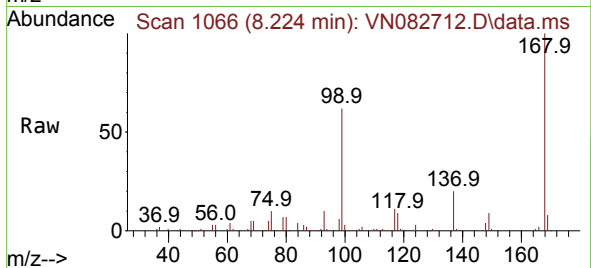
Tgt Ion: 42 Resp: 423
Ion Ratio Lower Upper
42 100
72 0.0 30.0 45.0#
71 0.0 28.3 42.5#



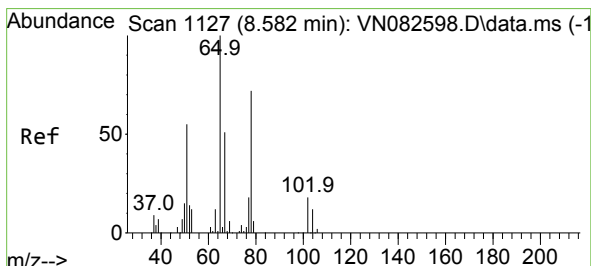
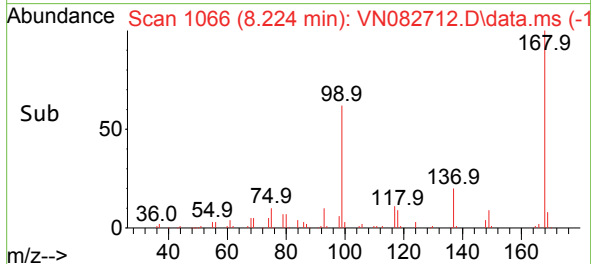
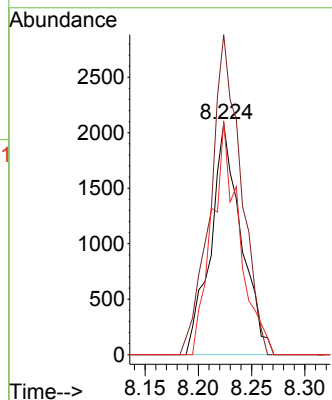


#31
Cyclohexane
Concen: 1.335 ug/l
RT: 8.224 min Scan# 1066
Delta R.T. -0.035 min
Lab File: VN082712.D
Acq: 25 Jun 2024 12:56

Instrument :
MSVOA_N
ClientSampleId :

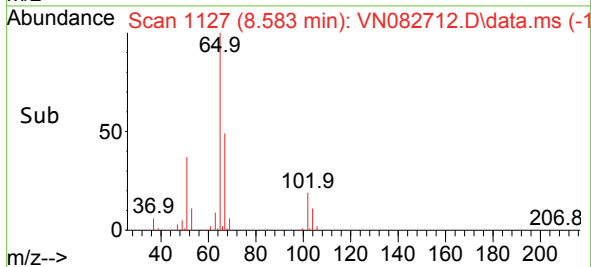
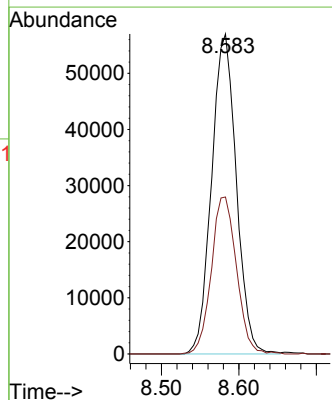
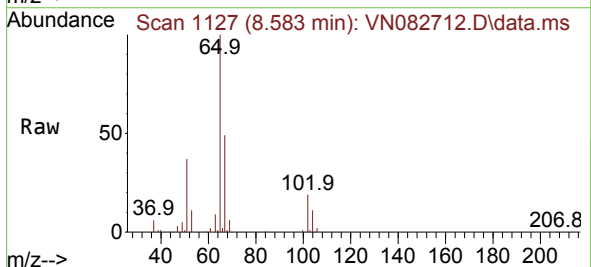


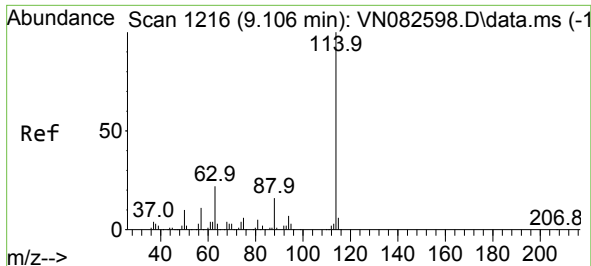
Tgt Ion: 56 Resp: 4130
Ion Ratio Lower Upper
56 100
69 138.5 24.5 36.7#
84 101.2 66.0 99.0#



#33
1,2-Dichloroethane-d4
Concen: 59.014 ug/l
RT: 8.583 min Scan# 1127
Delta R.T. 0.000 min
Lab File: VN082712.D
Acq: 25 Jun 2024 12:56

Tgt Ion: 65 Resp: 126469
Ion Ratio Lower Upper
65 100
67 49.9 0.0 104.4





#34

1,4-Difluorobenzene

Concen: 50.000 ug/l

RT: 9.106 min Scan# 114

Delta R.T. 0.000 min

Lab File: VN082712.D

Acq: 25 Jun 2024 12:56

Instrument :

MSVOA_N

ClientSampleId :

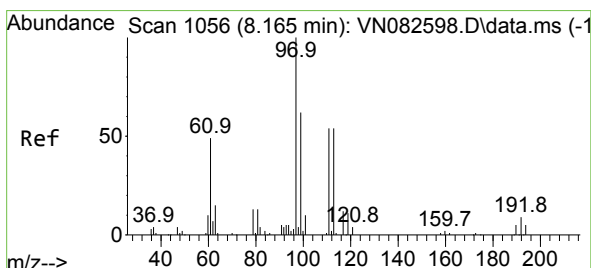
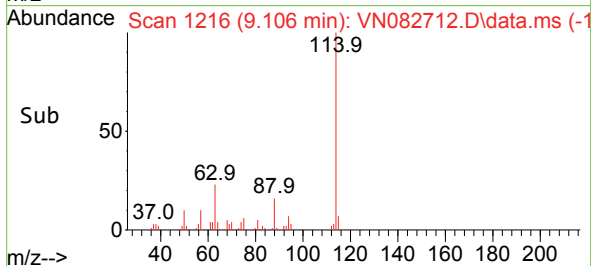
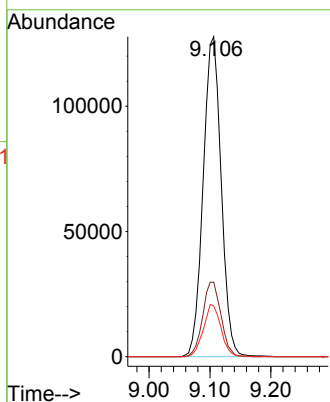
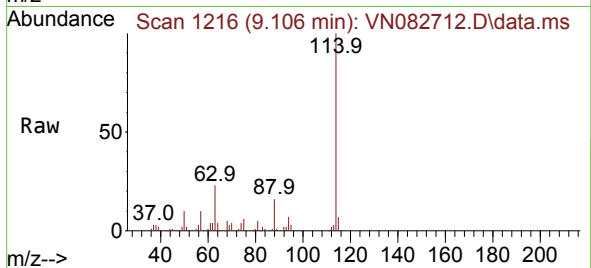
Tgt Ion:114 Resp: 262742

Ion Ratio Lower Upper

114 100

63 23.3 0.0 44.6

88 15.8 0.0 31.4



#35

Dibromofluoromethane

Concen: 52.965 ug/l

RT: 8.171 min Scan# 1057

Delta R.T. 0.006 min

Lab File: VN082712.D

Acq: 25 Jun 2024 12:56

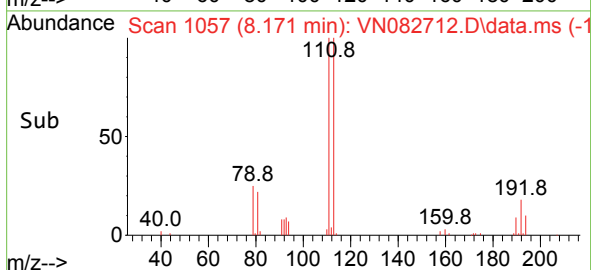
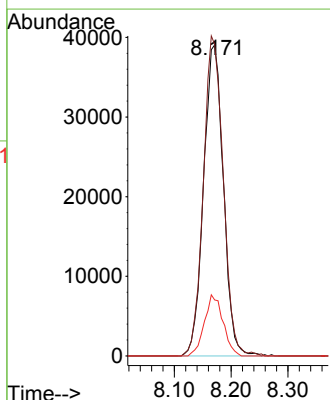
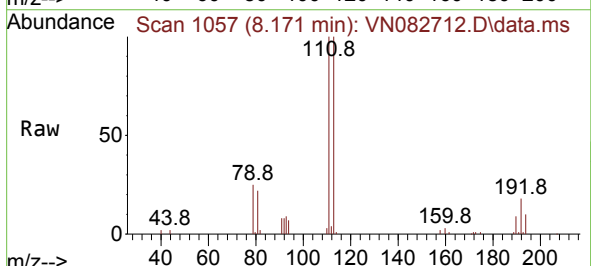
Tgt Ion:113 Resp: 94405

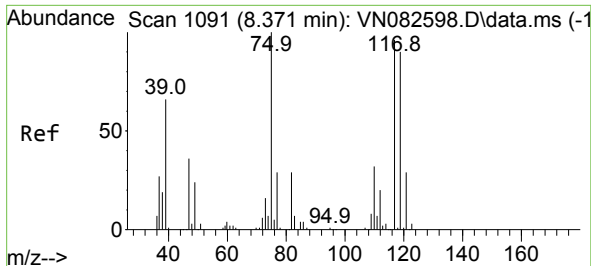
Ion Ratio Lower Upper

113 100

111 103.1 82.4 123.6

192 18.5 14.9 22.3





#36

1,1-Dichloropropene

Concen: 4.632 ug/l

RT: 8.224 min Scan# 1066

Delta R.T. -0.147 min

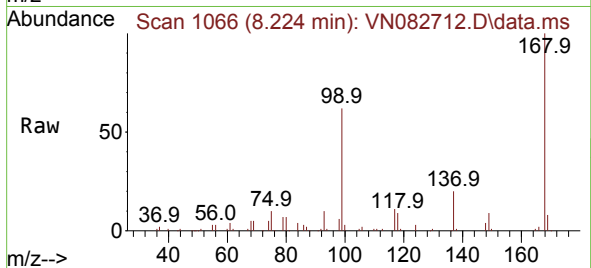
Lab File: VN082712.D

Acq: 25 Jun 2024 12:56

Instrument :

MSVOA_N

ClientSampleId :



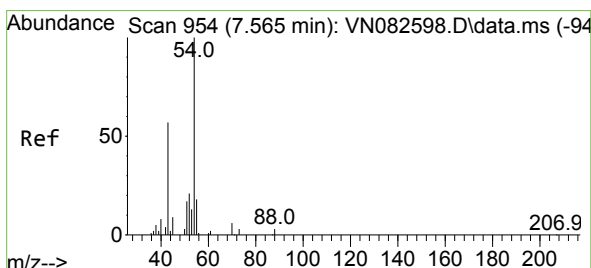
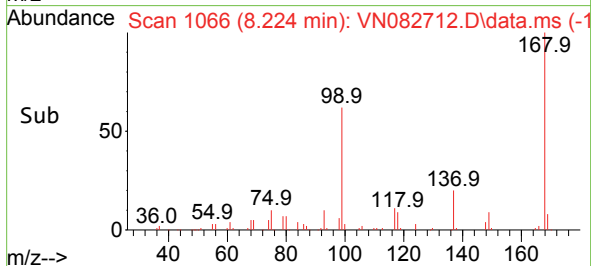
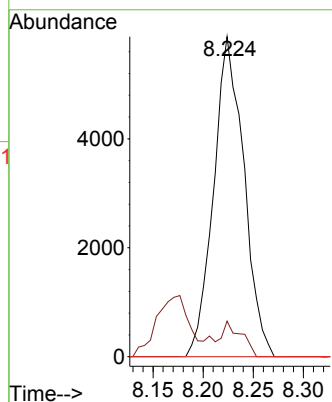
Tgt Ion: 75 Resp: 12341

Ion Ratio Lower Upper

75 100

110 7.0 16.3 48.9#

77 0.0 24.6 37.0#



#37

Ethyl Acetate

Concen: 1.202 ug/l

RT: 7.571 min Scan# 955

Delta R.T. 0.006 min

Lab File: VN082712.D

Acq: 25 Jun 2024 12:56

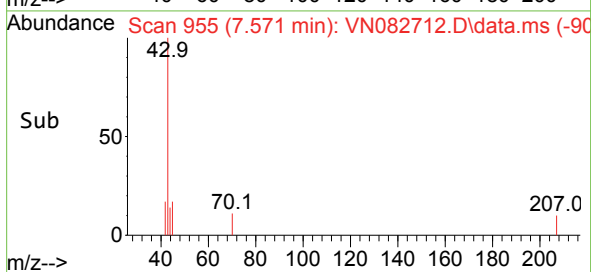
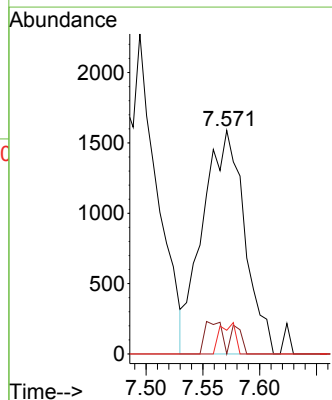
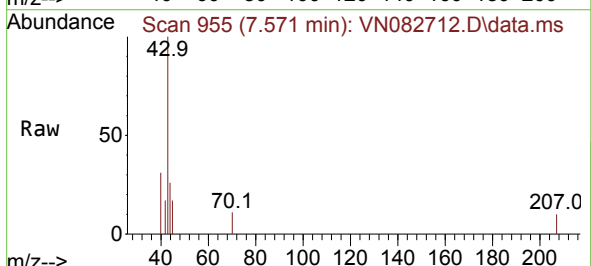
Tgt Ion: 43 Resp: 4080

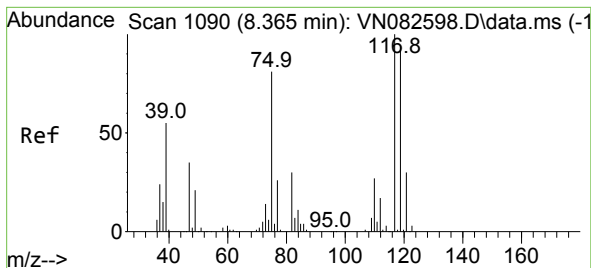
Ion Ratio Lower Upper

43 100

61 3.3 9.3 13.9#

70 5.1 7.0 10.6#





#38

Carbon Tetrachloride

Concen: 4.885 ug/l

RT: 8.224 min Scan# 1106

Delta R.T. -0.141 min

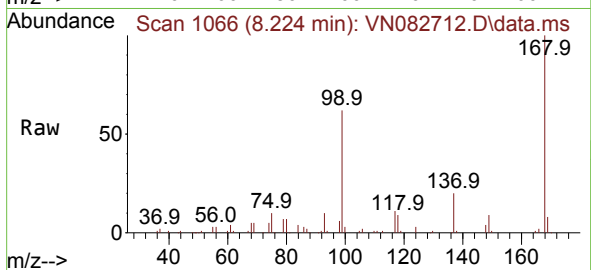
Lab File: VN082712.D

Acq: 25 Jun 2024 12:56

Instrument :

MSVOA_N

ClientSampleId :



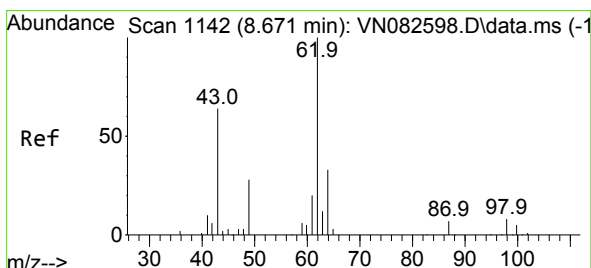
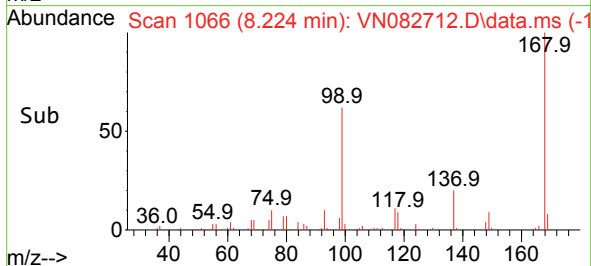
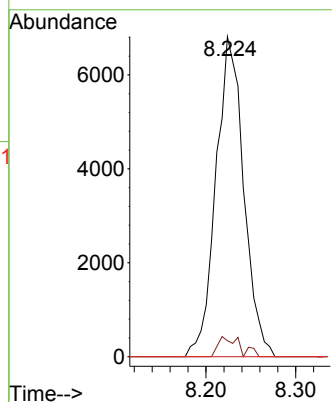
Tgt Ion:117 Resp: 14668

Ion Ratio Lower Upper

117 100

119 5.0 74.9 112.3#

121 0.0 24.3 36.5#



#42

1,2-Dichloroethane

Concen: 0.268 ug/l

RT: 8.694 min Scan# 1146

Delta R.T. 0.024 min

Lab File: VN082712.D

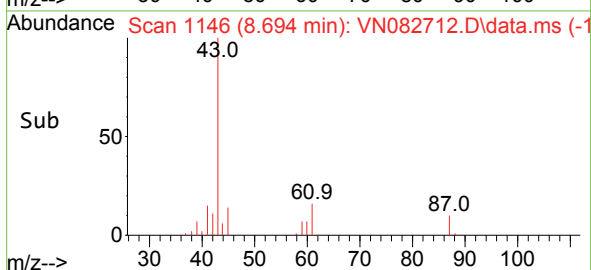
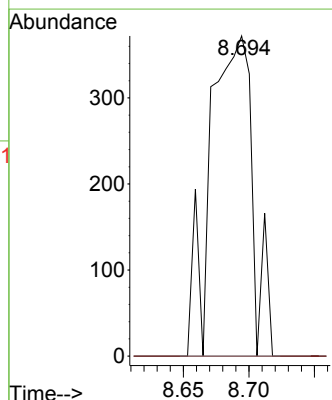
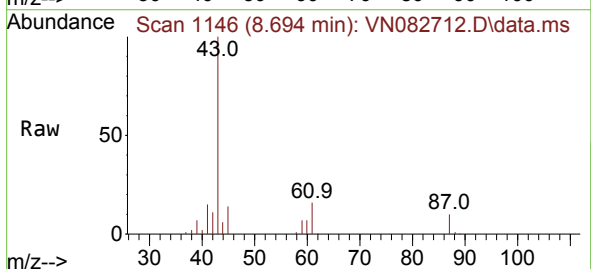
Acq: 25 Jun 2024 12:56

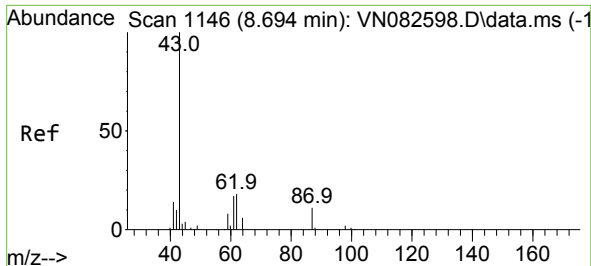
Tgt Ion: 62 Resp: 838

Ion Ratio Lower Upper

62 100

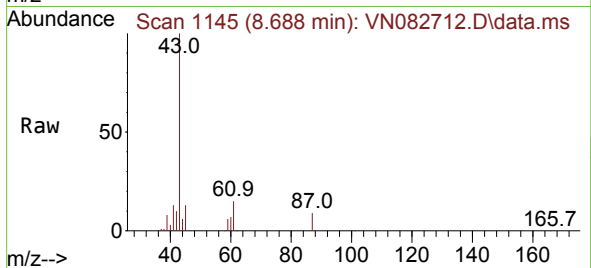
98 0.0 0.0 15.8



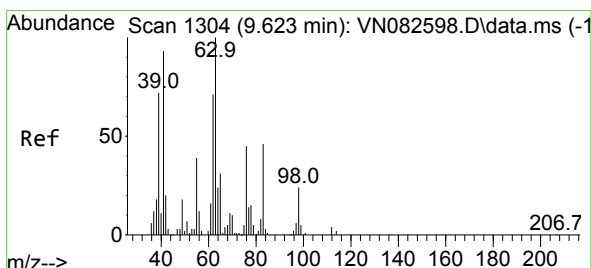
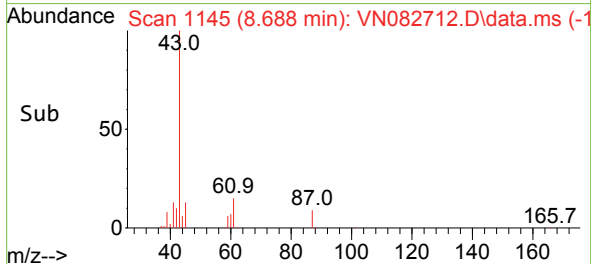
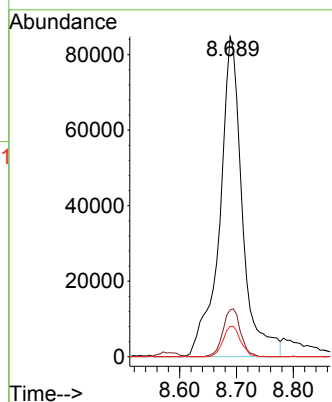


#43
Isopropyl Acetate
Concen: 37.017 ug/l
RT: 8.688 min Scan# 1145
Delta R.T. -0.006 min
Lab File: VN082712.D
Acq: 25 Jun 2024 12:56

Instrument :
MSVOA_N
ClientSampleId :

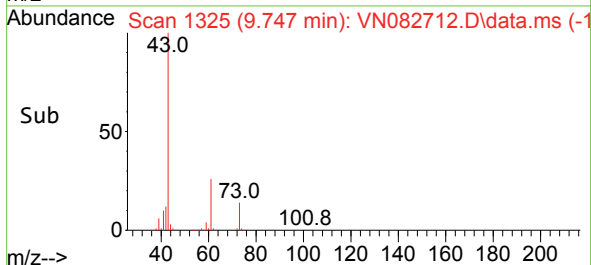
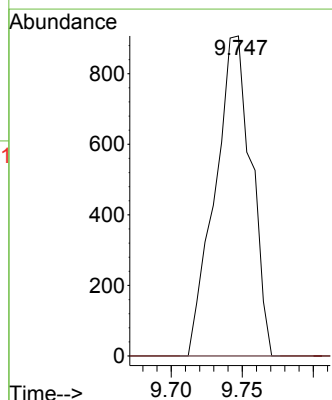
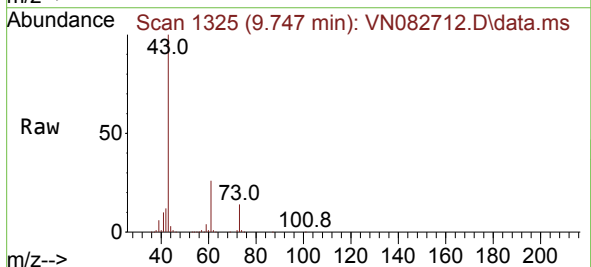


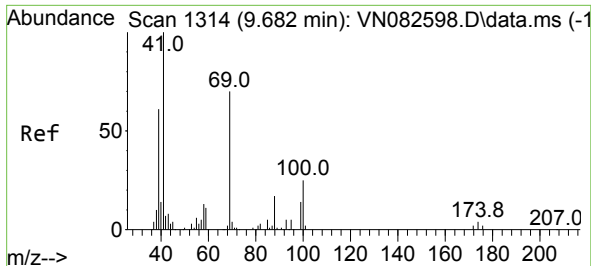
Tgt Ion: 43 Resp: 234799
Ion Ratio Lower Upper
43 100
61 11.6 17.8 26.6#
87 7.3 8.2 12.2#



#45
1,2-Dichloropropane
Concen: 0.762 ug/l
RT: 9.747 min Scan# 1325
Delta R.T. 0.124 min
Lab File: VN082712.D
Acq: 25 Jun 2024 12:56

Tgt Ion: 63 Resp: 1614
Ion Ratio Lower Upper
63 100
65 0.0 24.4 36.6#

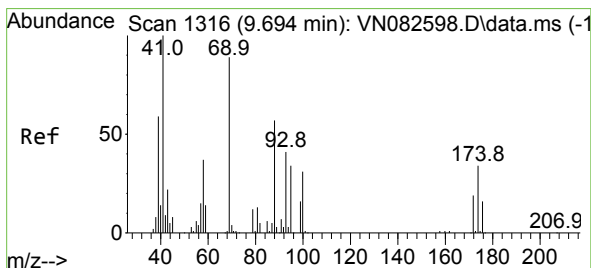
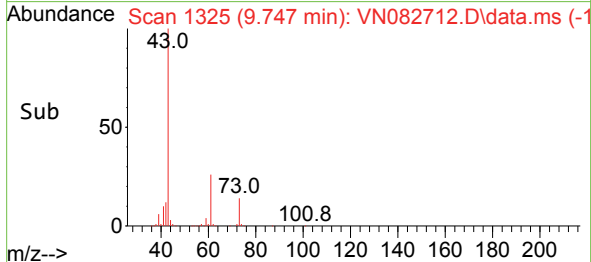
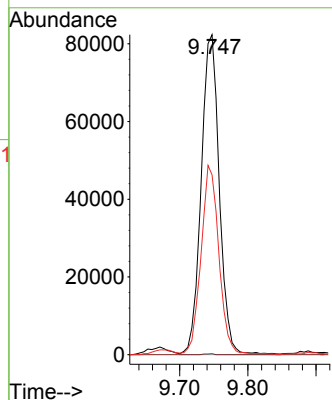
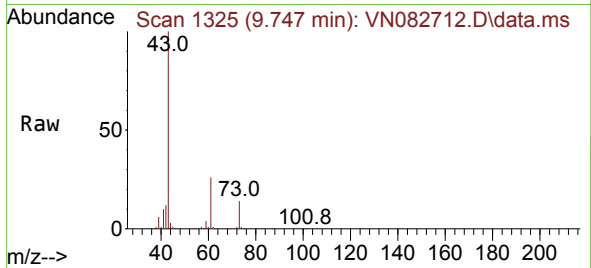




#48
Methyl methacrylate
Concen: 58.277 ug/l
RT: 9.747 min Scan# 1325
Delta R.T. 0.065 min
Lab File: VN082712.D
Acq: 25 Jun 2024 12:56

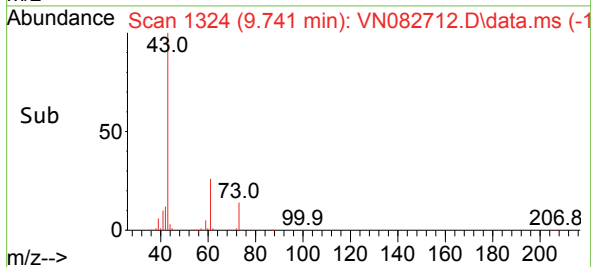
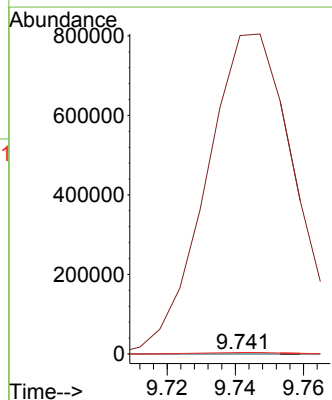
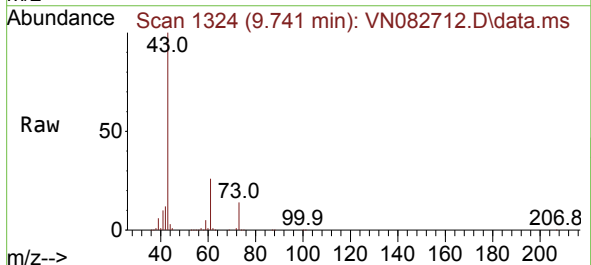
Instrument :
MSVOA_N
ClientSampleId :

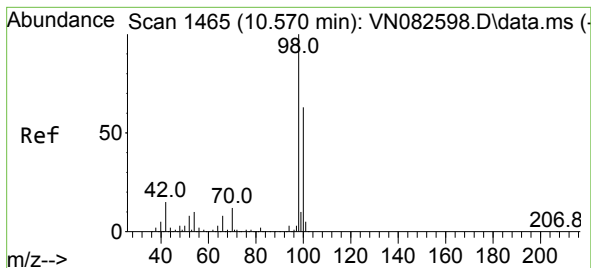
Tgt Ion: 41 Resp: 152387
Ion Ratio Lower Upper
41 100
69 0.1 56.3 84.5#
39 58.5 50.3 75.5



#49
1,4-Dioxane
Concen: 2.787 ug/l
RT: 9.741 min Scan# 1324
Delta R.T. 0.047 min
Lab File: VN082712.D
Acq: 25 Jun 2024 12:56

Tgt Ion: 88 Resp: 114
Ion Ratio Lower Upper
88 100
43 1287399.1 27.8 41.8#
58 5979.8 59.4 89.0#





#50

Toluene-d8

Concen: 53.716 ug/l

RT: 10.571 min Scan# 1465

Delta R.T. 0.000 min

Lab File: VN082712.D

Acq: 25 Jun 2024 12:56

Instrument :

MSVOA_N

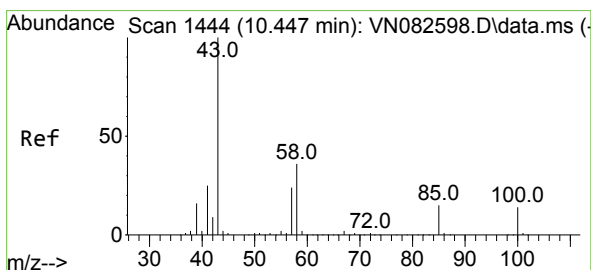
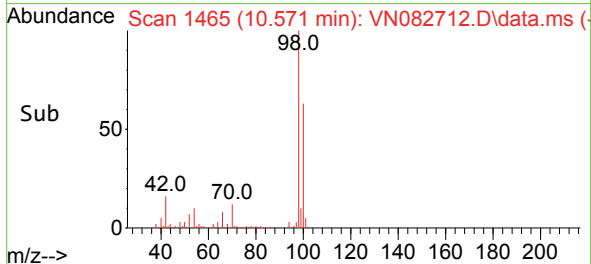
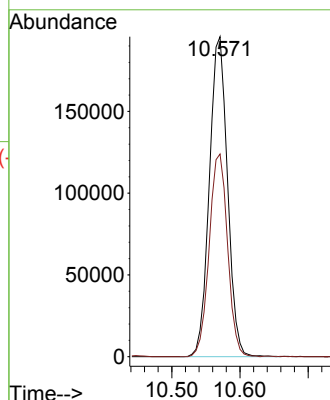
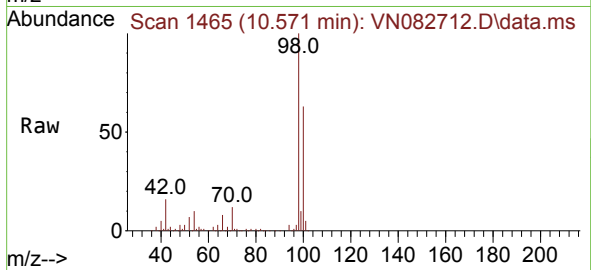
ClientSampleId :

Tgt Ion: 98 Resp: 362070

Ion Ratio Lower Upper

98 100

100 64.1 51.5 77.3



#51

4-Methyl-2-Pentanone

Concen: 3.871 ug/l

RT: 10.447 min Scan# 1444

Delta R.T. 0.000 min

Lab File: VN082712.D

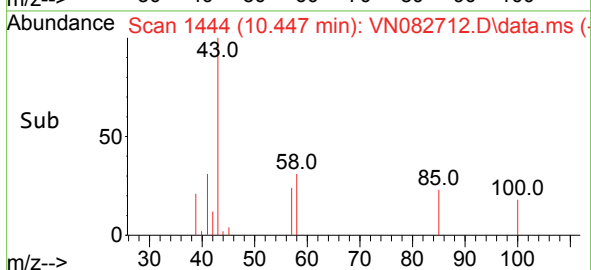
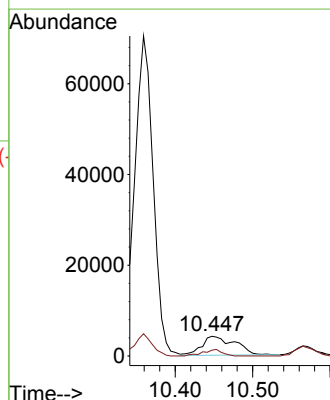
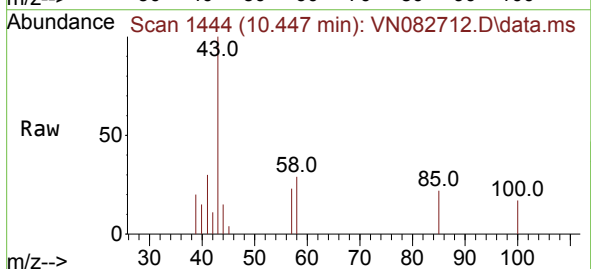
Acq: 25 Jun 2024 12:56

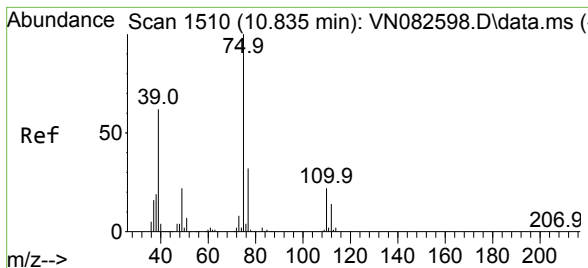
Tgt Ion: 43 Resp: 12593

Ion Ratio Lower Upper

43 100

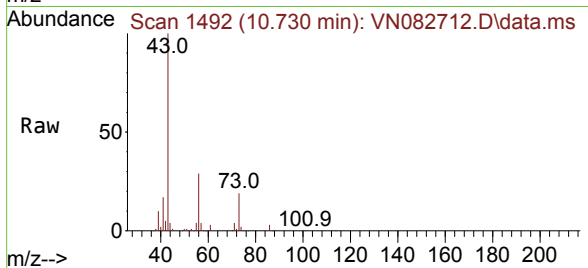
58 19.3 28.2 42.4#



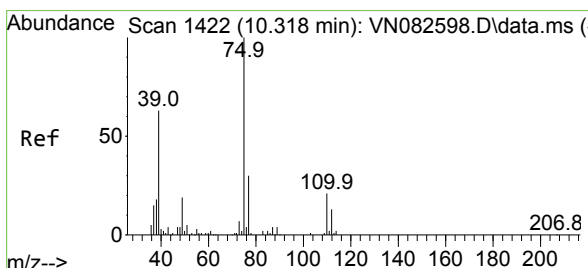
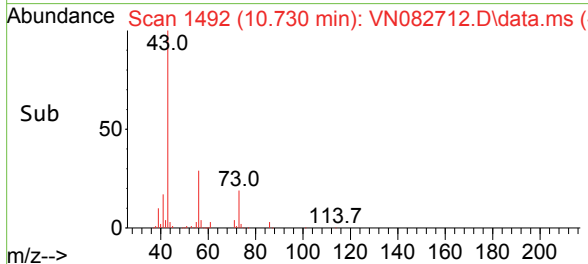
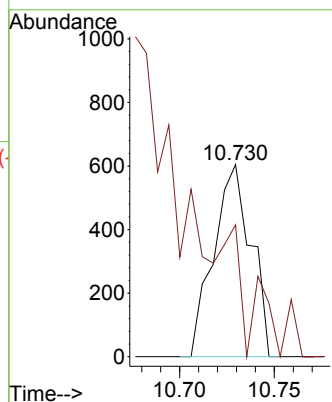


#53
 t-1,3-Dichloropropene
 Concen: 0.265 ug/l
 RT: 10.730 min Scan# 1492
 Delta R.T. -0.106 min
 Lab File: VN082712.D
 Acq: 25 Jun 2024 12:56

Instrument :
 MSVOA_N
 ClientSampleId :

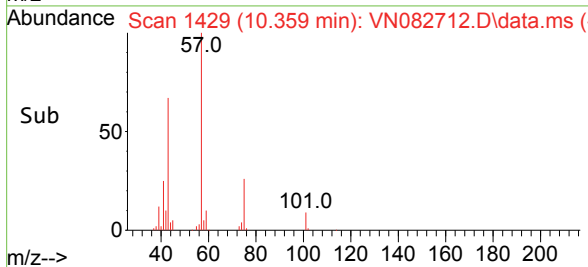
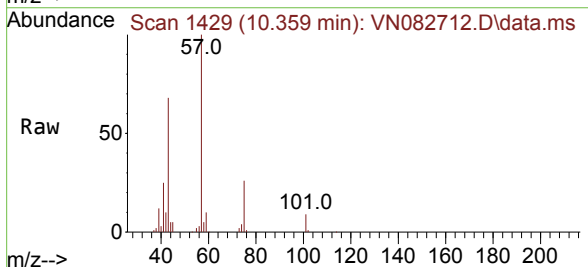
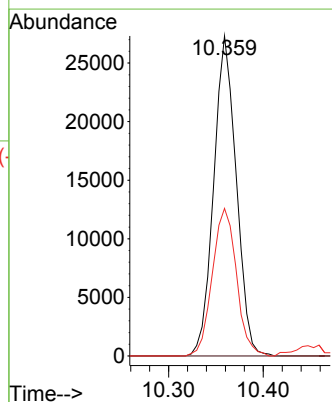


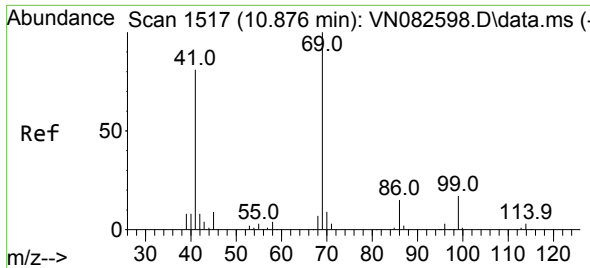
Tgt Ion: 75 Resp: 829
 Ion Ratio Lower Upper
 75 100
 77 68.6 25.7 38.5#



#54
 cis-1,3-Dichloropropene
 Concen: 13.940 ug/l
 RT: 10.359 min Scan# 1429
 Delta R.T. 0.041 min
 Lab File: VN082712.D
 Acq: 25 Jun 2024 12:56

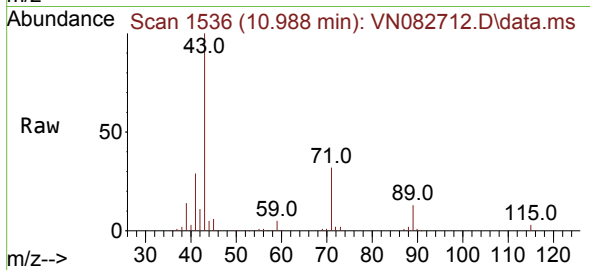
Tgt Ion: 75 Resp: 45133
 Ion Ratio Lower Upper
 75 100
 77 0.0 24.3 36.5#
 39 46.1 50.5 75.7#



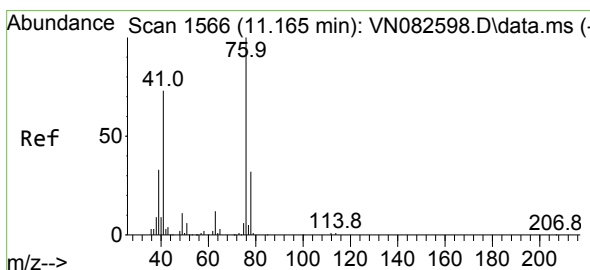
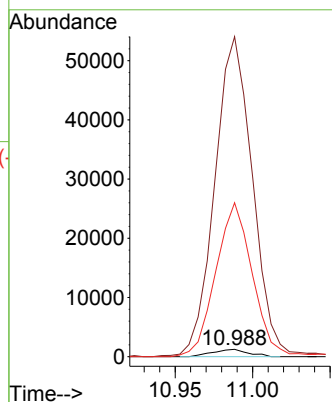
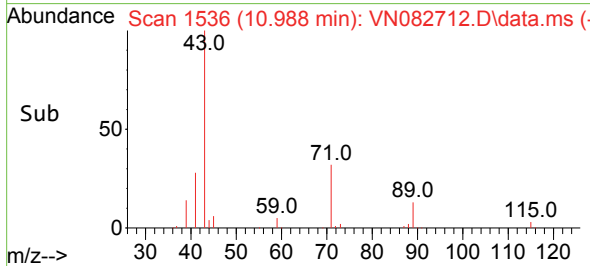


#56
 Ethyl methacrylate
 Concen: 0.665 ug/l
 RT: 10.988 min Scan# 1536
 Delta R.T. 0.112 min
 Lab File: VN082712.D
 Acq: 25 Jun 2024 12:56

Instrument :
 MSVOA_N
 ClientSampleId :

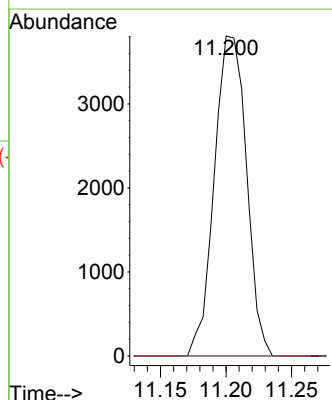
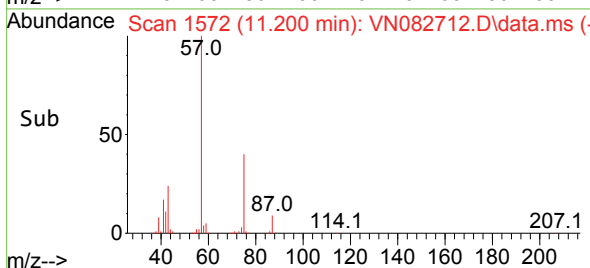
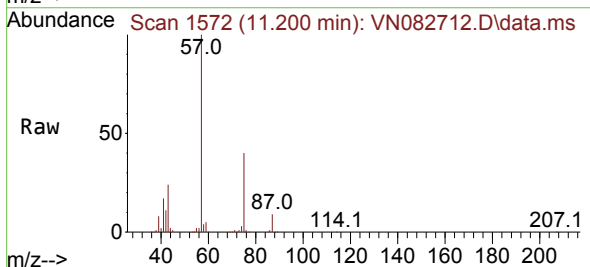


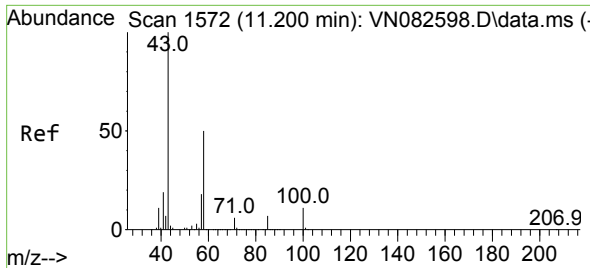
Tgt Ion: 69 Resp: 1989
 Ion Ratio Lower Upper
 69 100
 41 4621.6 63.4 95.2#
 39 2153.0 37.4 56.0#



#57
 1,3-Dichloropropane
 Concen: 1.945 ug/l
 RT: 11.200 min Scan# 1572
 Delta R.T. 0.036 min
 Lab File: VN082712.D
 Acq: 25 Jun 2024 12:56

Tgt Ion: 76 Resp: 6495
 Ion Ratio Lower Upper
 76 100
 78 0.0 25.6 38.4#

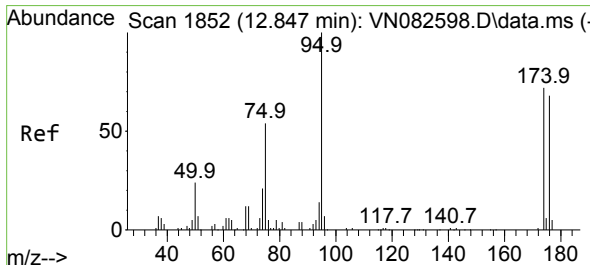
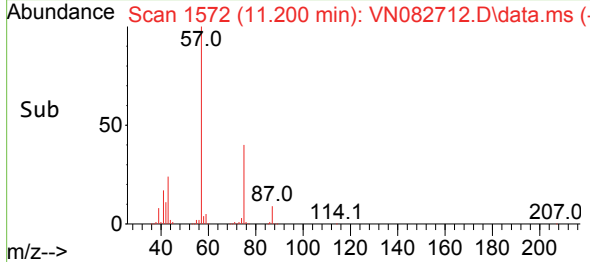
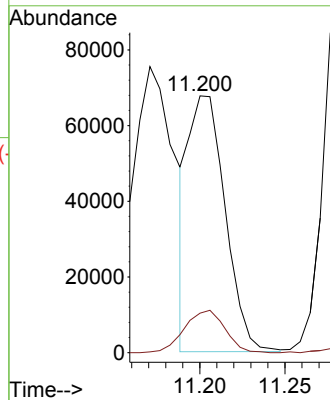
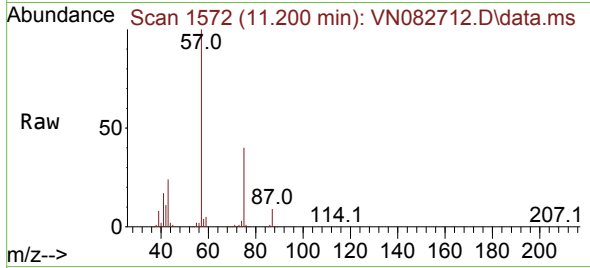




#59
2-Hexanone
Concen: 40.986 ug/l
RT: 11.200 min Scan# 111
Delta R.T. 0.000 min
Lab File: VN082712.D
Acq: 25 Jun 2024 12:56

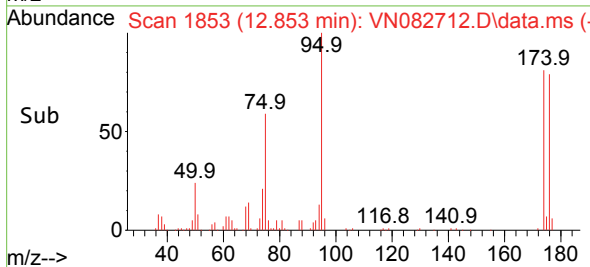
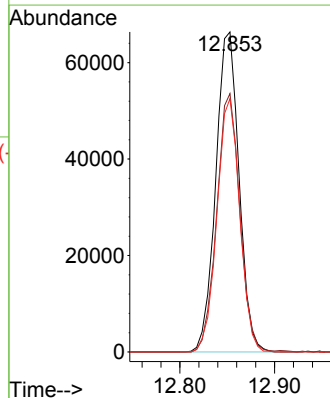
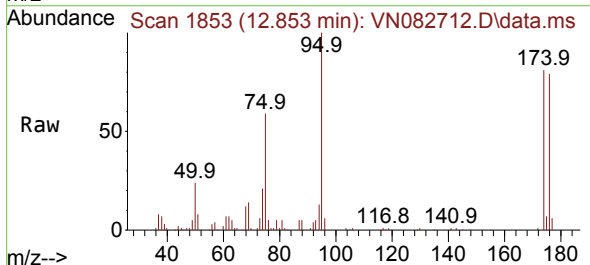
Instrument :
MSVOA_N
ClientSampleId :

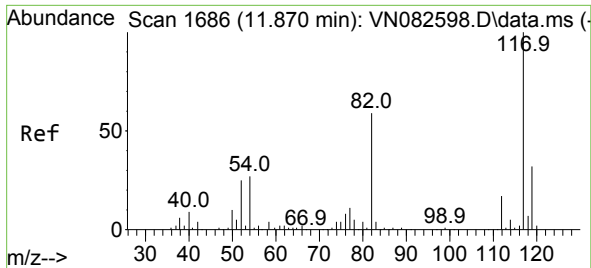
Tgt Ion: 43 Resp: 101349
Ion Ratio Lower Upper
43 100
58 18.3 24.6 73.8#



#62
4-Bromofluorobenzene
Concen: 48.711 ug/l
RT: 12.853 min Scan# 1853
Delta R.T. 0.006 min
Lab File: VN082712.D
Acq: 25 Jun 2024 12:56

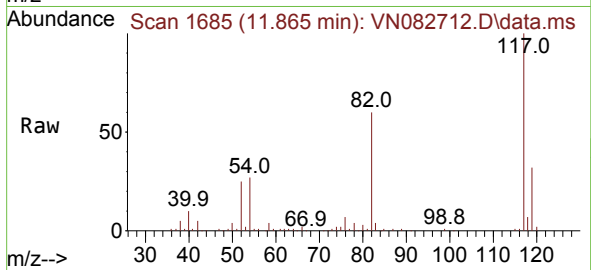
Tgt Ion: 95 Resp: 113197
Ion Ratio Lower Upper
95 100
174 80.4 0.0 159.2
176 77.2 0.0 147.6



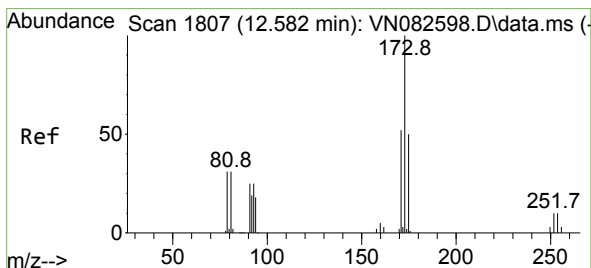
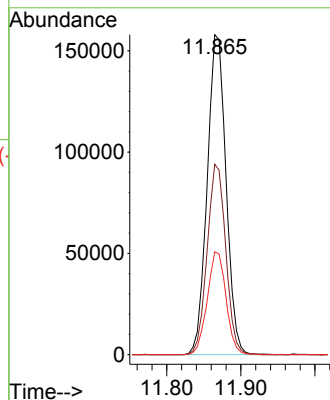
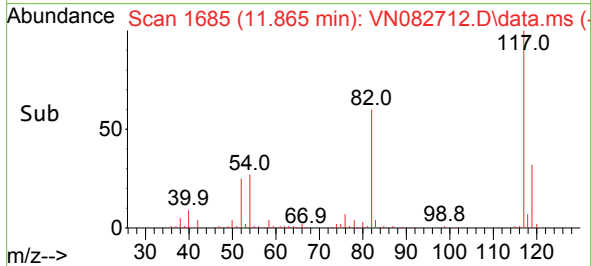


#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.865 min Scan# 117
Delta R.T. -0.006 min
Lab File: VN082712.D
Acq: 25 Jun 2024 12:56

Instrument :
MSVOA_N
ClientSampleId :

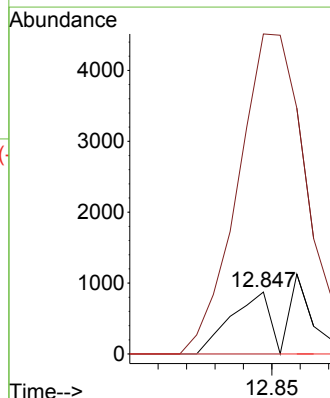
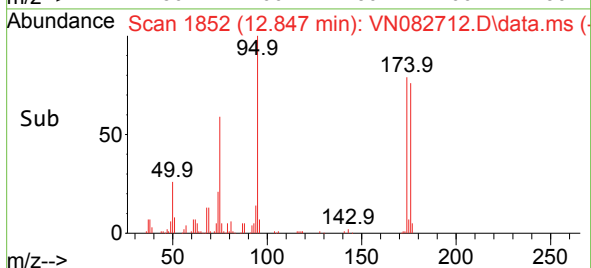
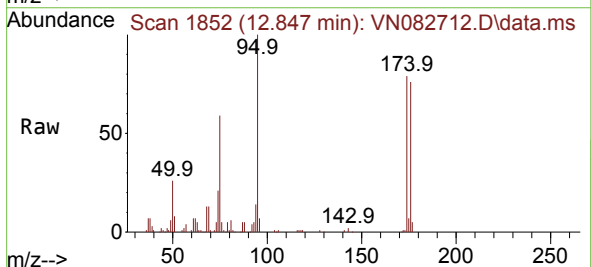


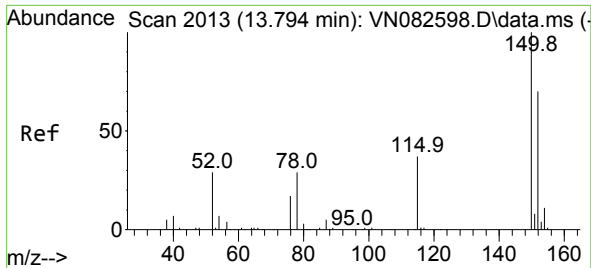
Tgt Ion:117 Resp: 279250
Ion Ratio Lower Upper
117 100
82 59.5 47.5 71.3
119 32.2 25.6 38.4



#71
Bromoform
Concen: 0.461 ug/l
RT: 12.847 min Scan# 1852
Delta R.T. 0.265 min
Lab File: VN082712.D
Acq: 25 Jun 2024 12:56

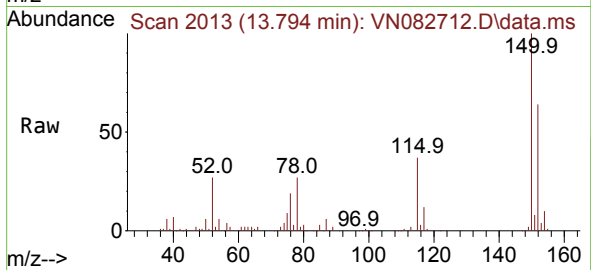
Tgt Ion:173 Resp: 832
Ion Ratio Lower Upper
173 100
175 785.0 24.0 72.0#
254 0.0 0.0 0.0



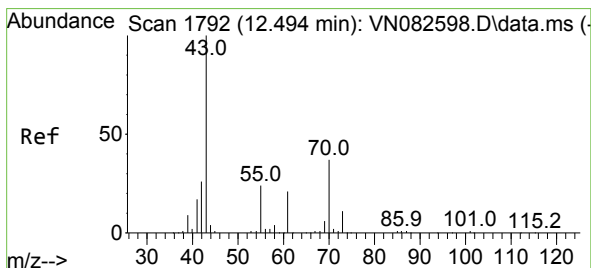
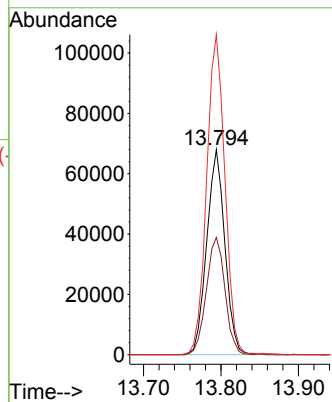
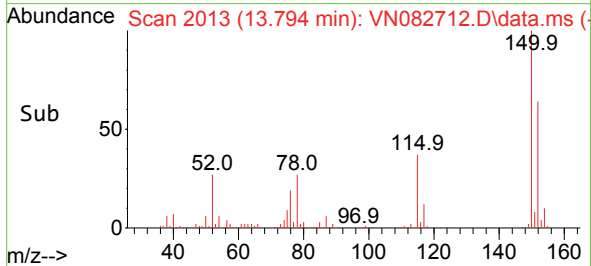


#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 13.794 min Scan# 20
Delta R.T. 0.000 min
Lab File: VN082712.D
Acq: 25 Jun 2024 12:56

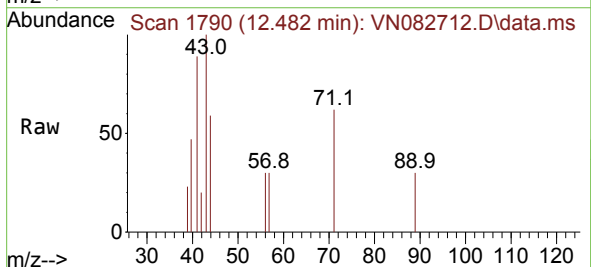
Instrument :
MSVOA_N
ClientSampleId :



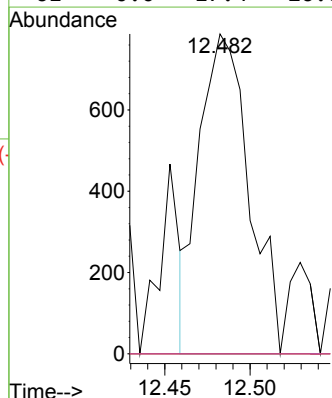
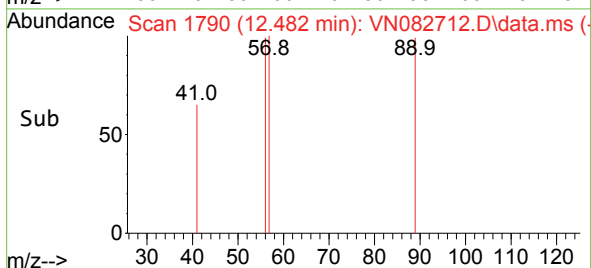
Tgt Ion:152 Resp: 110677
Ion Ratio Lower Upper
152 100
115 58.7 30.6 91.6
150 157.0 0.0 348.6

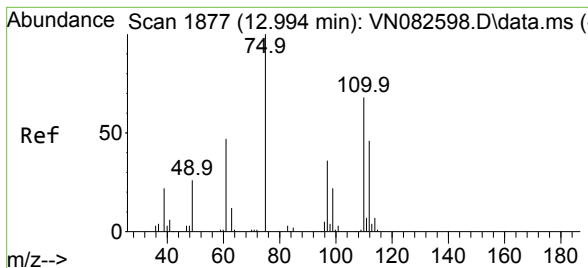


#74
N-ethyl acetate
Concen: 0.357 ug/l
RT: 12.482 min Scan# 1790
Delta R.T. -0.011 min
Lab File: VN082712.D
Acq: 25 Jun 2024 12:56



Tgt Ion: 43 Resp: 1600
Ion Ratio Lower Upper
43 100
70 0.0 29.8 44.6#
55 0.0 18.7 28.1#
61 0.0 17.4 26.0#





#76

1,2,3-Trichloropropane

Concen: 25.036 ug/l

RT: 12.853 min Scan# 1853

Delta R.T. -0.141 min

Lab File: VN082712.D

Acq: 25 Jun 2024 12:56

Instrument :

MSVOA_N

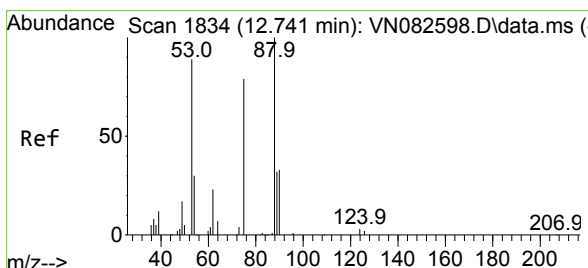
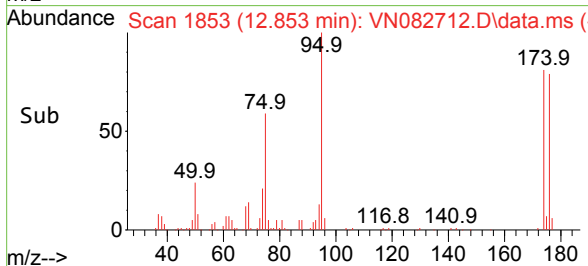
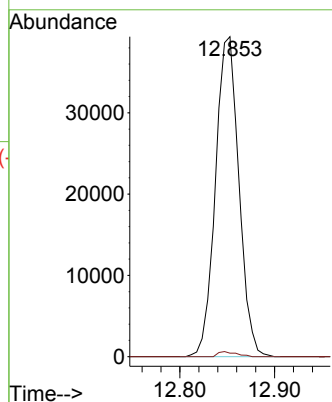
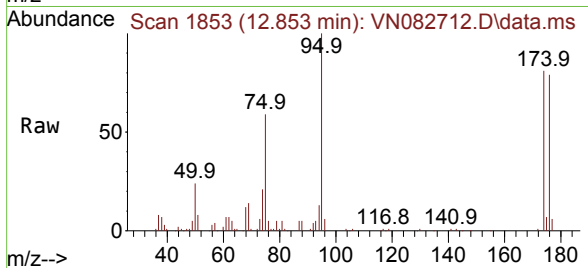
ClientSampleId :

Tgt Ion: 75 Resp: 67771

Ion Ratio Lower Upper

75 100

77 1.2 110.9 332.6#



#81

trans-1,4-Dichloro-2-butene

Concen: 59.896 ug/l

RT: 12.853 min Scan# 1853

Delta R.T. 0.112 min

Lab File: VN082712.D

Acq: 25 Jun 2024 12:56

Tgt Ion: 75 Resp: 67771

Ion Ratio Lower Upper

75 100

53 0.0 88.4 132.6#

89 0.0 36.3 54.5#

