

Data Path : Z:\voasrv\HPCHEM1\MSVOA_N\Data\VN040224\
 Data File : VN081655.D
 Acq On : 02 Apr 2024 15:48
 Operator : JC\MD
 Sample : P1927-04
 Misc : 5.0mL/MSVOA_N/WATER
 ALS Vial : 10 Sample Multiplier: 1

Instrument :
 MSVOA_N
 ClientSampleId :
 72-11998

Quant Time: Apr 03 01:34:01 2024
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_N\methods\82N031824W.M
 Quant Title : SW846 8260
 QLast Update : Tue Mar 19 06:00:00 2024
 Response via : Initial Calibration

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

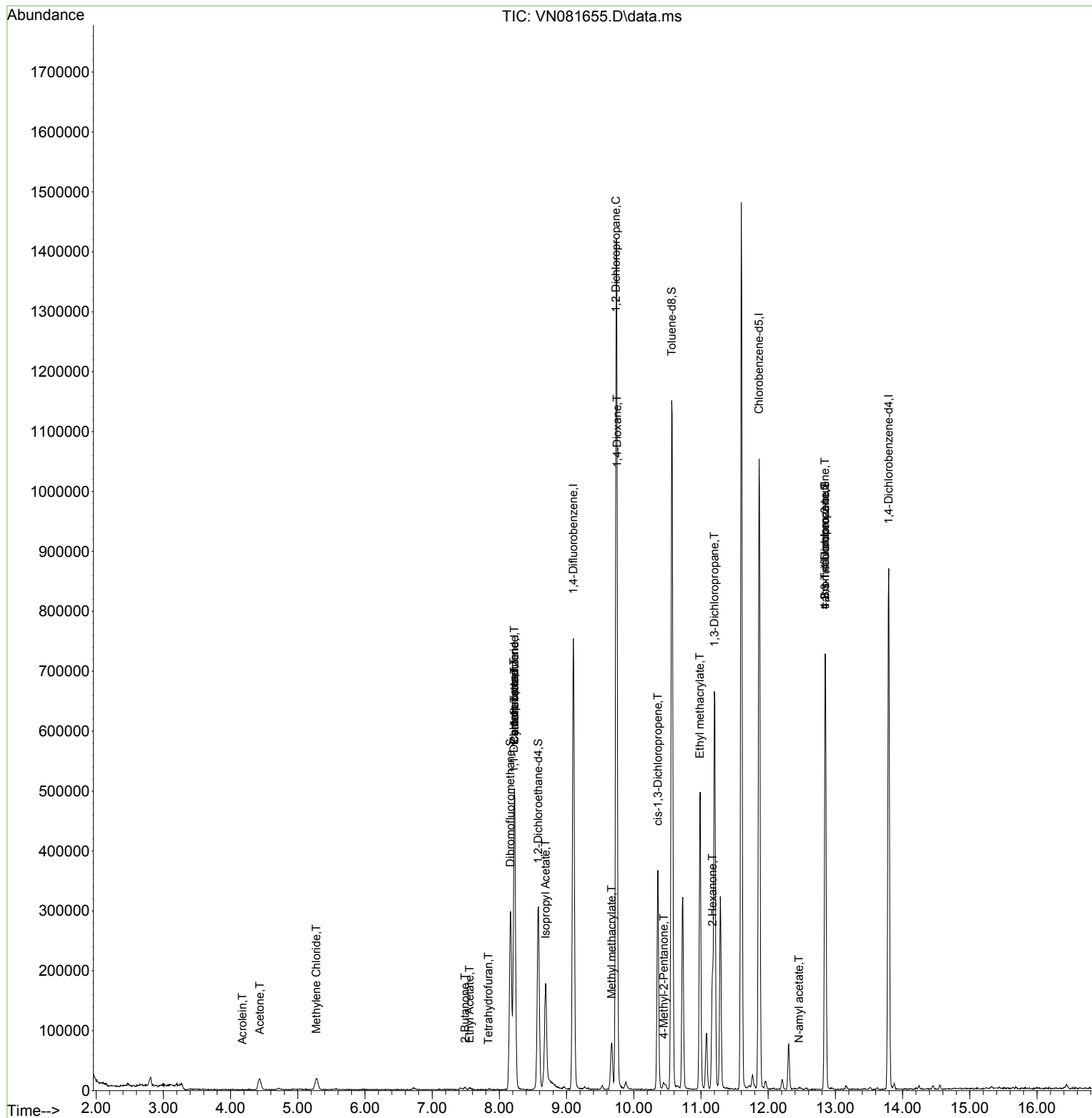
Internal Standards						
1) Pentafluorobenzene	8.224	168	351384	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	9.100	114	666152	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.865	117	626364	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.794	152	233941	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.577	65	246781	55.072	ug/l	0.00
Spiked Amount	50.000	Range	74 - 125	Recovery	= 110.140%	
35) Dibromofluoromethane	8.165	113	209824	49.909	ug/l	0.00
Spiked Amount	50.000	Range	75 - 124	Recovery	= 99.820%	
50) Toluene-d8	10.565	98	818788	53.877	ug/l	0.00
Spiked Amount	50.000	Range	86 - 113	Recovery	= 107.760%	
62) 4-Bromofluorobenzene	12.847	95	252060	47.071	ug/l	0.00
Spiked Amount	50.000	Range	64 - 133	Recovery	= 94.140%	
Target Compounds						
					Qvalue	
13) Acrolein	4.177	56	200	0.285	ug/l	99
16) Acetone	4.436	43	36754	25.380	ug/l	95
20) Methylene Chloride	5.277	84	16824	3.547	ug/l #	81
25) 2-Butanone	7.488	43	5845	2.353	ug/l #	64
29) Tetrahydrofuran	7.835	42	467	0.279	ug/l	91
31) Cyclohexane	8.224	56	8069	1.107	ug/l #	1
36) 1,1-Dichloropropene	8.218	75	29711	4.199	ug/l #	52
37) Ethyl Acetate	7.559	43	4694	0.775	ug/l	95
38) Carbon Tetrachloride	8.224	117	37467	4.834	ug/l #	19
43) Isopropyl Acetate	8.688	43	209687	20.880	ug/l #	89
45) 1,2-Dichloropropane	9.735	63	1923	0.384	ug/l #	42
48) Methyl methacrylate	9.671	41	4764	1.029	ug/l #	50
49) 1,4-Dioxane	9.753	88	77	0.692	ug/l #	1
51) 4-Methyl-2-Pentanone	10.447	43	5887	0.961	ug/l	89
54) cis-1,3-Dichloropropene	10.359	75	66756	7.747	ug/l #	63
56) Ethyl methacrylate	10.982	69	2999	0.988	ug/l #	1
57) 1,3-Dichloropropane	11.200	76	7302	0.842	ug/l #	44
59) 2-Hexanone	11.171	43	145517	32.119	ug/l #	26
74) N-amyl acetate	12.459	43	2911	0.403	ug/l #	48
76) 1,2,3-Trichloropropane	12.847	75	131047	23.418	ug/l #	1
81) trans-1,4-Dichloro-2-b...	12.847	75	131047	63.283	ug/l #	14

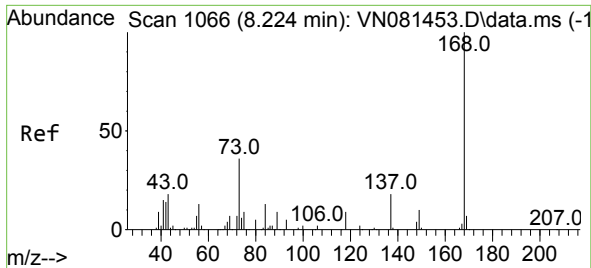
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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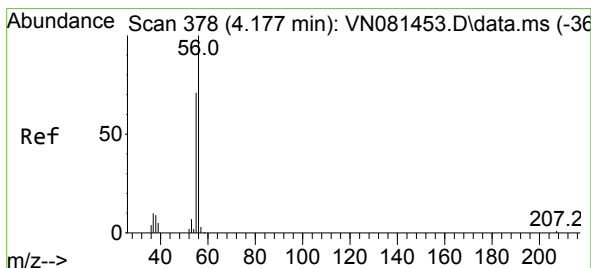
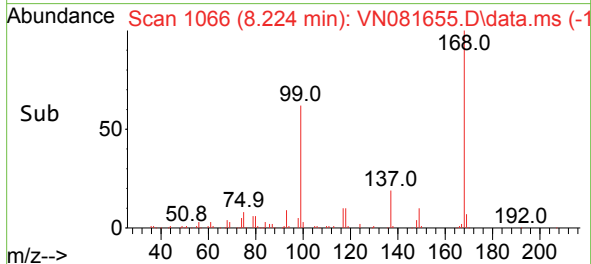
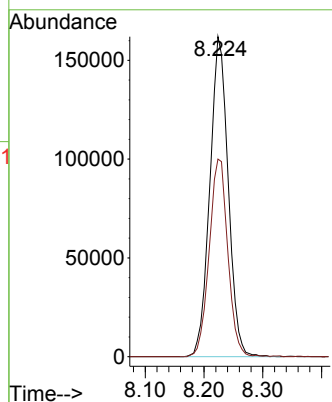
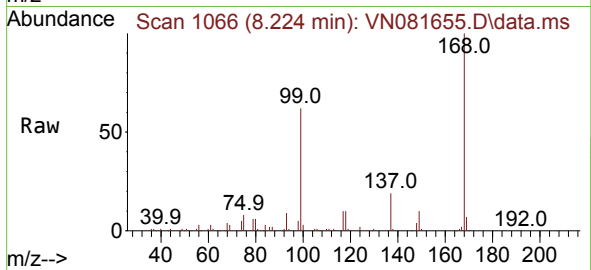




#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 8.224 min Scan# 1066
Delta R.T. -0.000 min
Lab File: VN081655.D
Acq: 02 Apr 2024 15:48

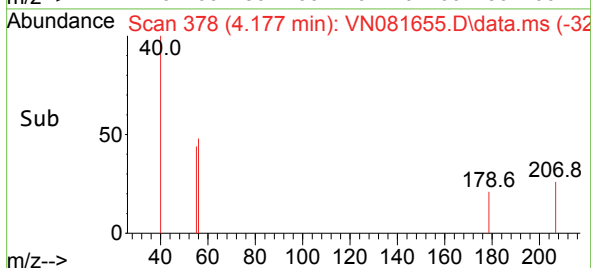
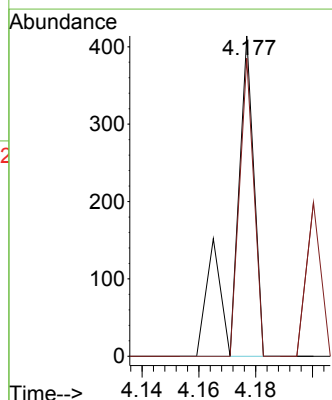
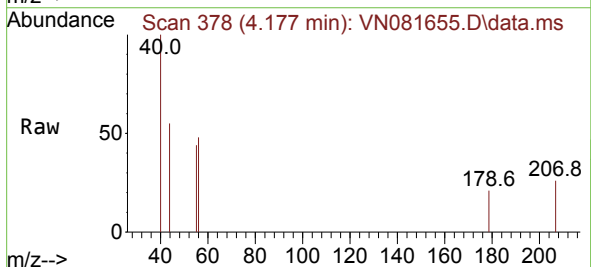
Instrument :
MSVOA_N
ClientSampleId :
72-11998

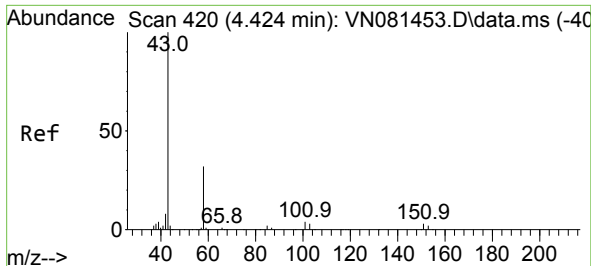
Tgt Ion:168 Resp: 351384
Ion Ratio Lower Upper
168 100
99 61.8 59.9 89.9



#13
Acrolein
Concen: 0.285 ug/l
RT: 4.177 min Scan# 378
Delta R.T. 0.000 min
Lab File: VN081655.D
Acq: 02 Apr 2024 15:48

Tgt Ion: 56 Resp: 200
Ion Ratio Lower Upper
56 100
55 68.0 55.3 82.9





#16

Acetone

Concen: 25.380 ug/l

RT: 4.436 min Scan# 41

Delta R.T. 0.012 min

Lab File: VN081655.D

Acq: 02 Apr 2024 15:48

Instrument :

MSVOA_N

ClientSampleId :

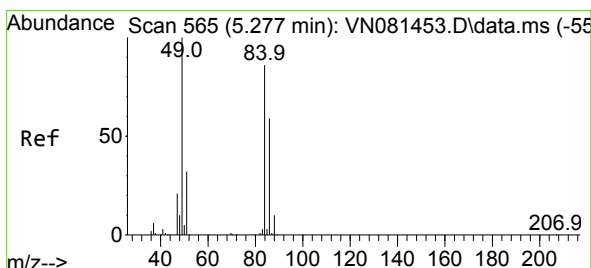
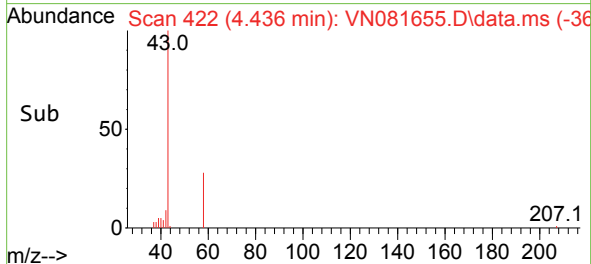
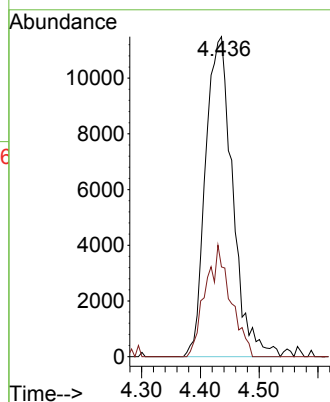
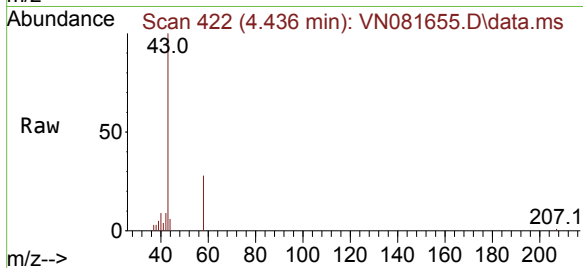
72-11998

Tgt Ion: 43 Resp: 36754

Ion Ratio Lower Upper

43 100

58 28.0 24.8 37.2



#20

Methylene Chloride

Concen: 3.547 ug/l

RT: 5.277 min Scan# 565

Delta R.T. 0.000 min

Lab File: VN081655.D

Acq: 02 Apr 2024 15:48

Tgt Ion: 84 Resp: 16824

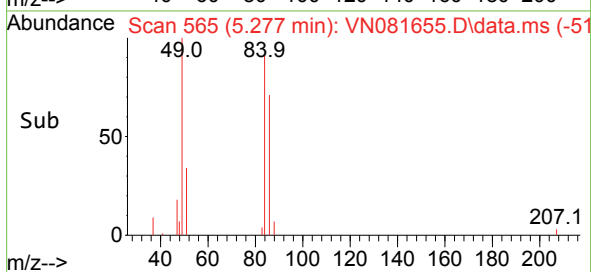
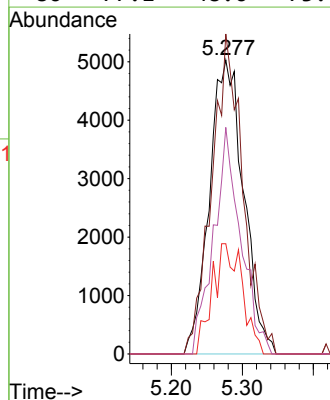
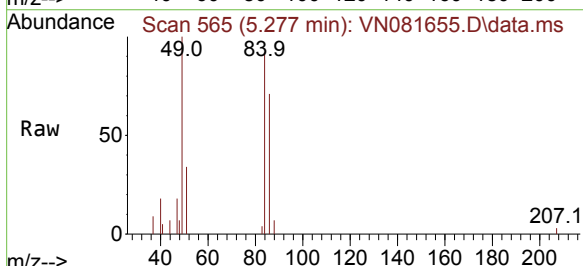
Ion Ratio Lower Upper

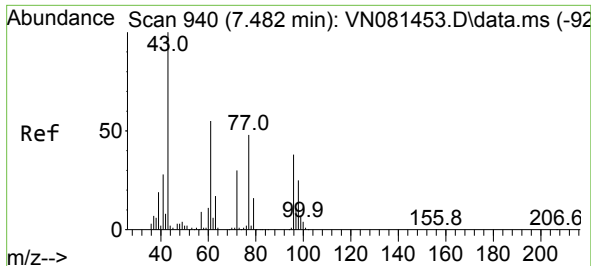
84 100

49 108.9 108.1 162.1

51 37.5 32.9 49.3

86 77.1 48.6 73.0#

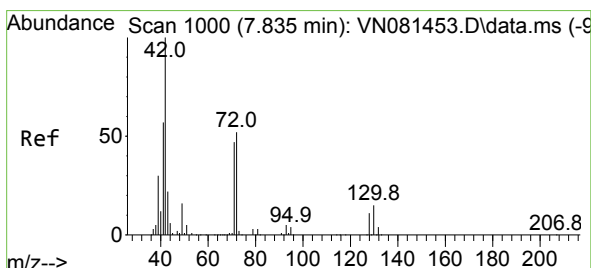
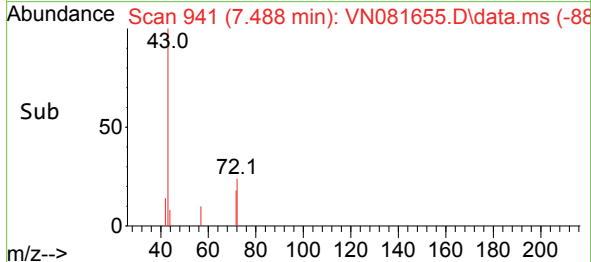
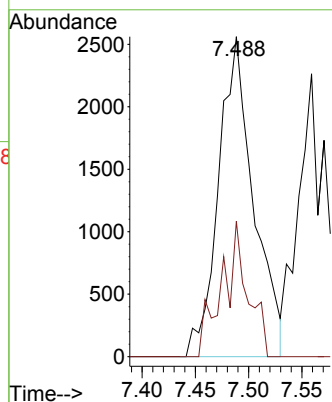
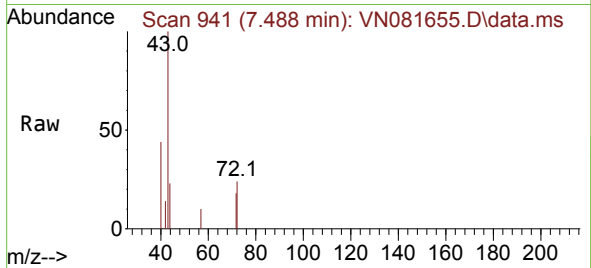




#25
2-Butanone
Concen: 2.353 ug/l
RT: 7.488 min Scan# 941
Delta R.T. 0.006 min
Lab File: VN081655.D
Acq: 02 Apr 2024 15:48

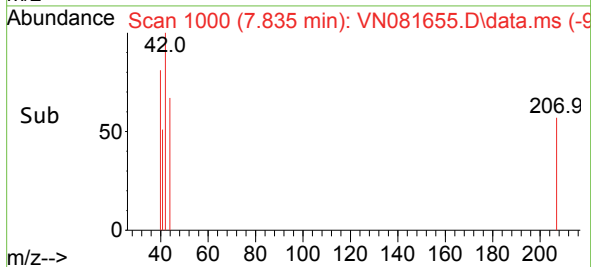
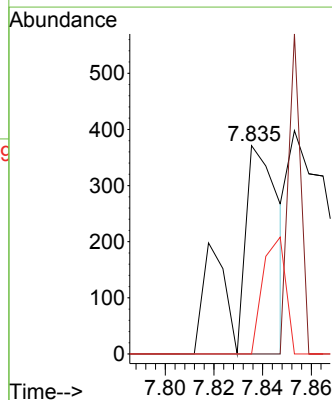
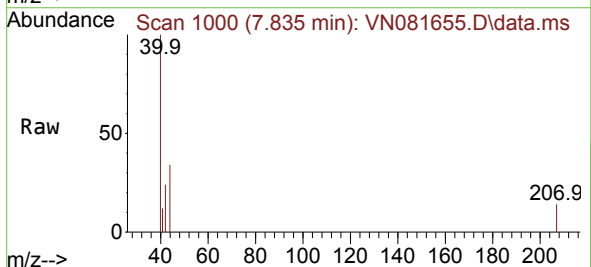
Instrument :
MSVOA_N
ClientSampleId :
72-11998

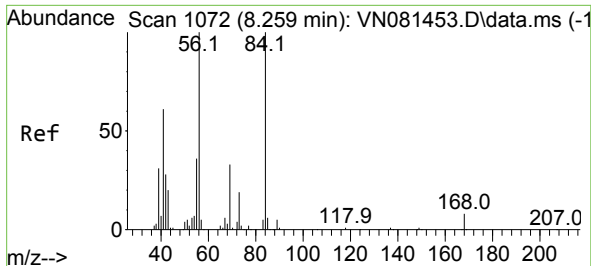
Tgt Ion: 43 Resp: 5845
Ion Ratio Lower Upper
43 100
72 42.3 19.5 29.3#



#29
Tetrahydrofuran
Concen: 0.279 ug/l
RT: 7.835 min Scan# 1000
Delta R.T. 0.000 min
Lab File: VN081655.D
Acq: 02 Apr 2024 15:48

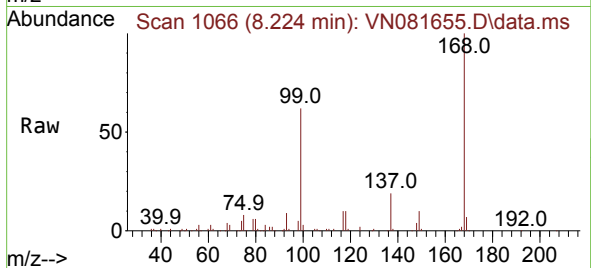
Tgt Ion: 42 Resp: 467
Ion Ratio Lower Upper
42 100
72 43.0 31.1 46.7
71 28.9 28.3 42.5



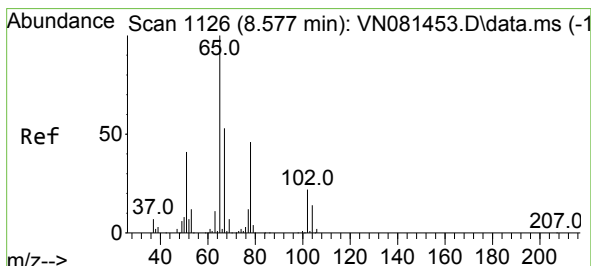
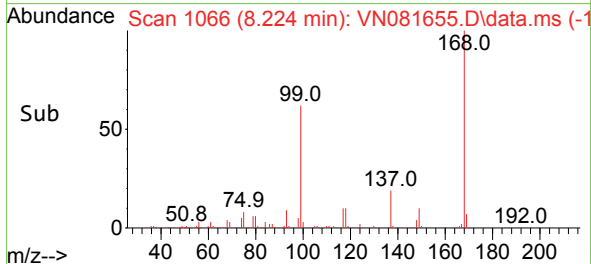
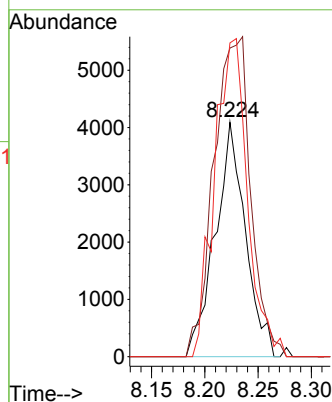


#31
Cyclohexane
Concen: 1.107 ug/l
RT: 8.224 min Scan# 1066
Delta R.T. -0.035 min
Lab File: VN081655.D
Acq: 02 Apr 2024 15:48

Instrument :
MSVOA_N
ClientSampleId :
72-11998

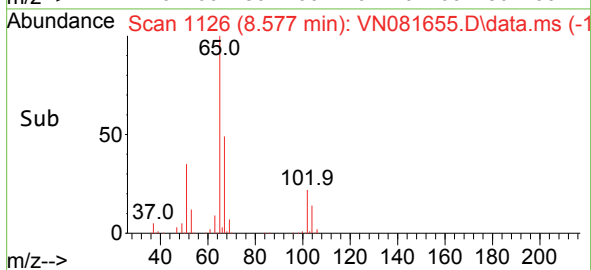
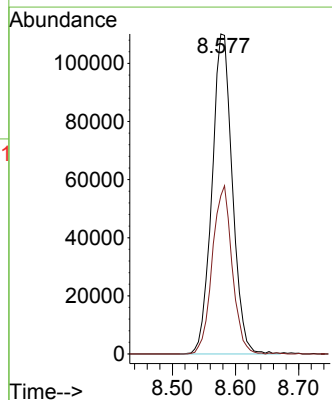
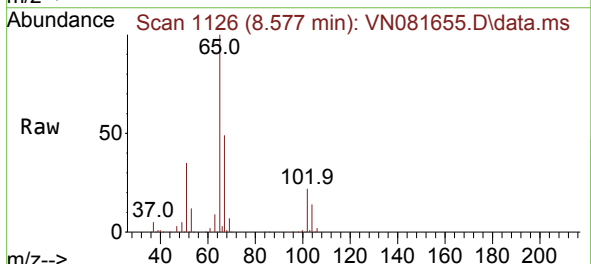


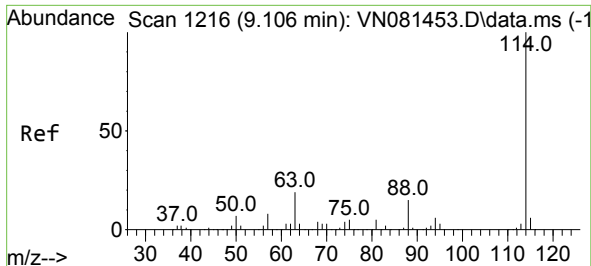
Tgt Ion: 56 Resp: 8069
Ion Ratio Lower Upper
56 100
69 126.1 20.1 30.1#
84 128.1 56.9 85.3#



#33
1,2-Dichloroethane-d4
Concen: 55.072 ug/l
RT: 8.577 min Scan# 1126
Delta R.T. 0.000 min
Lab File: VN081655.D
Acq: 02 Apr 2024 15:48

Tgt Ion: 65 Resp: 246781
Ion Ratio Lower Upper
65 100
67 51.2 0.0 102.4





#34

1,4-Difluorobenzene

Concen: 50.000 ug/l

RT: 9.100 min Scan# 11

Delta R.T. -0.006 min

Lab File: VN081655.D

Acq: 02 Apr 2024 15:48

Instrument :

MSVOA_N

ClientSampleId :

72-11998

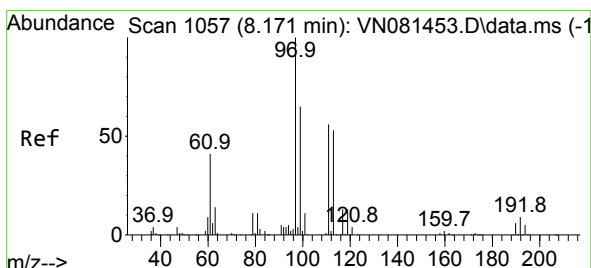
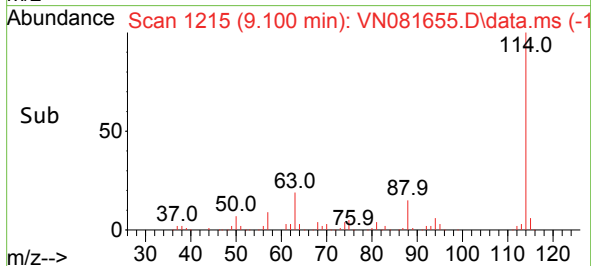
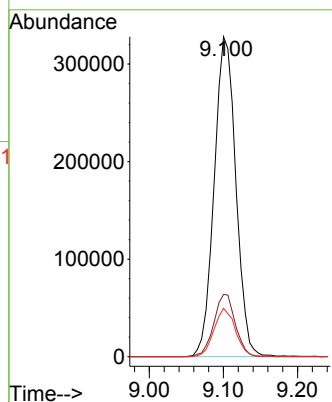
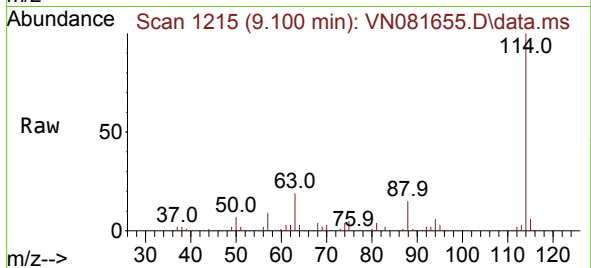
Tgt Ion:114 Resp: 666152

Ion Ratio Lower Upper

114 100

63 19.4 0.0 48.0

88 15.1 0.0 34.8



#35

Dibromofluoromethane

Concen: 49.909 ug/l

RT: 8.165 min Scan# 1056

Delta R.T. -0.006 min

Lab File: VN081655.D

Acq: 02 Apr 2024 15:48

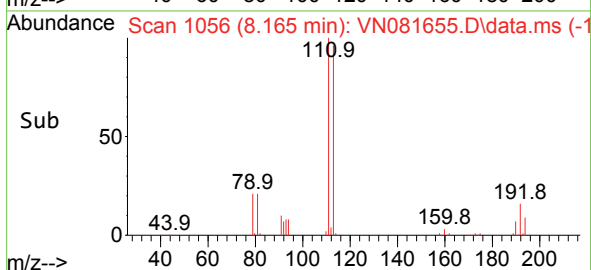
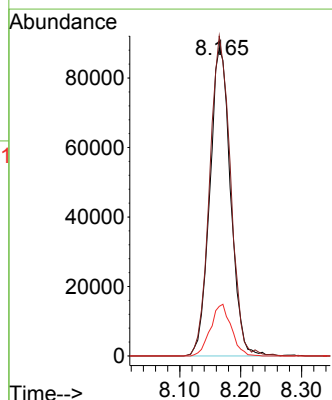
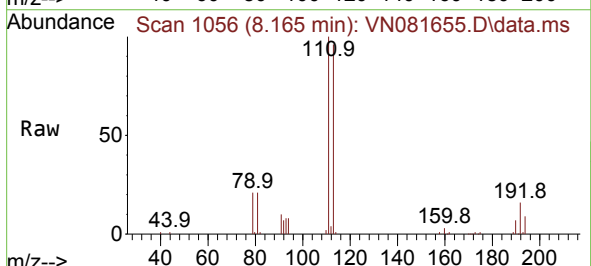
Tgt Ion:113 Resp: 209824

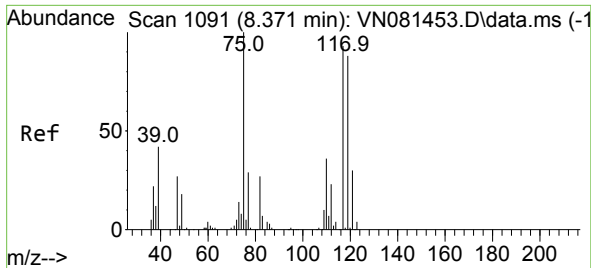
Ion Ratio Lower Upper

113 100

111 104.7 82.2 123.4

192 16.8 12.5 18.7





#36

1,1-Dichloropropene

Concen: 4.199 ug/l

RT: 8.218 min Scan# 1065

Delta R.T. -0.153 min

Lab File: VN081655.D

Acq: 02 Apr 2024 15:48

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MSVOA_N

ClientSampleId :

72-11998

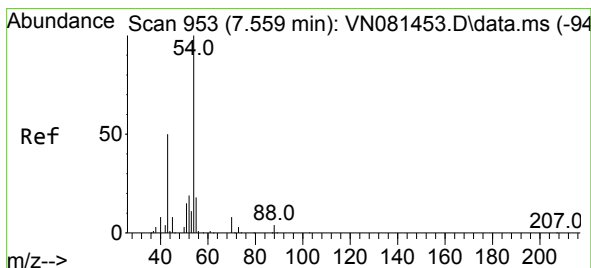
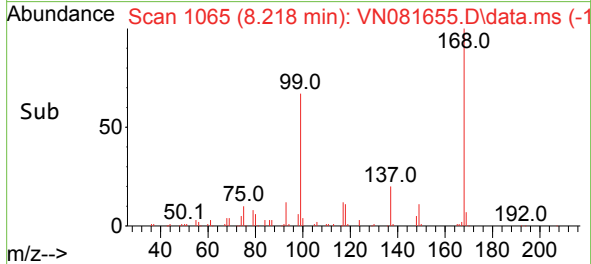
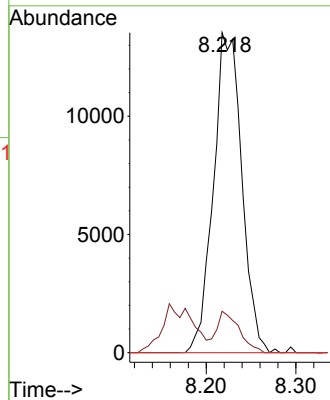
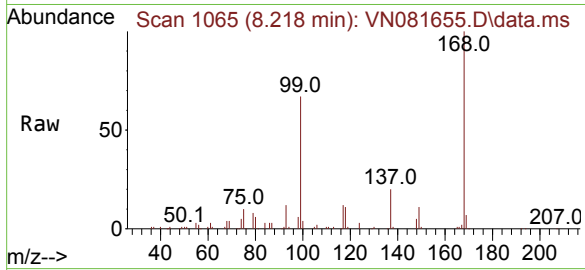
Tgt Ion: 75 Resp: 29711

Ion Ratio Lower Upper

75 100

110 10.5 16.0 48.0#

77 0.0 25.8 38.6#



#37

Ethyl Acetate

Concen: 0.775 ug/l

RT: 7.559 min Scan# 953

Delta R.T. 0.000 min

Lab File: VN081655.D

Acq: 02 Apr 2024 15:48

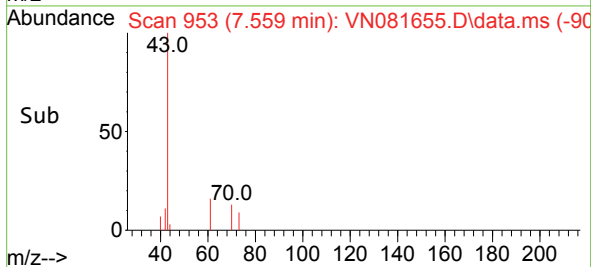
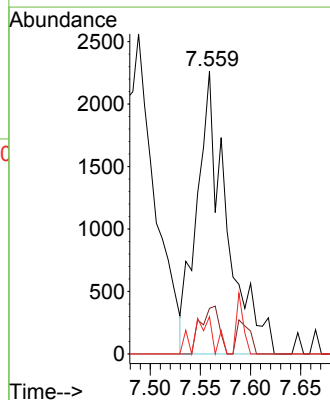
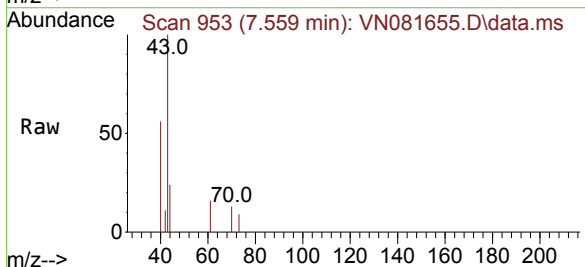
Tgt Ion: 43 Resp: 4694

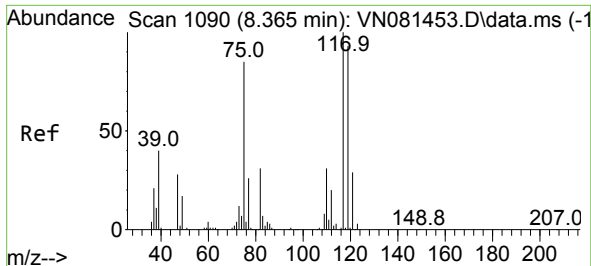
Ion Ratio Lower Upper

43 100

61 10.6 10.6 15.8

70 8.6 8.0 12.0

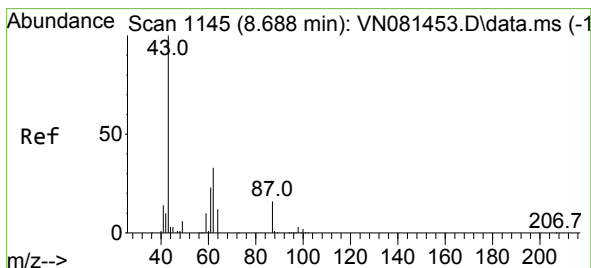
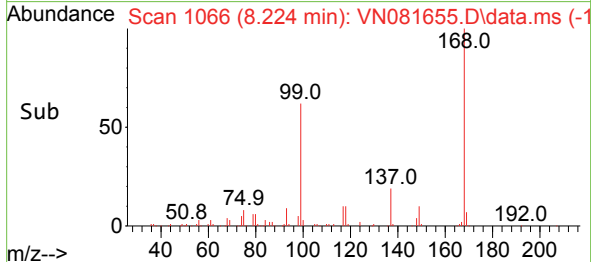
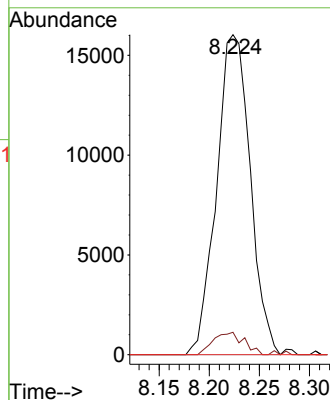
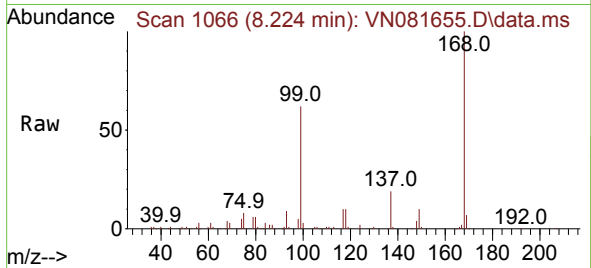




#38
Carbon Tetrachloride
Concen: 4.834 ug/l
RT: 8.224 min Scan# 1066
Delta R.T. -0.141 min
Lab File: VN081655.D
Acq: 02 Apr 2024 15:48

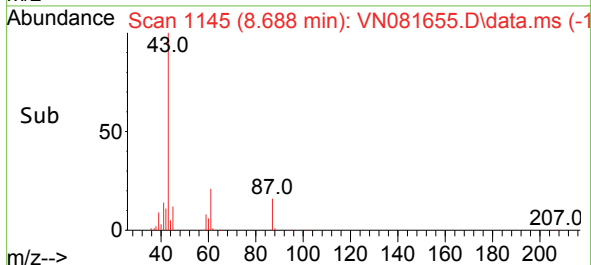
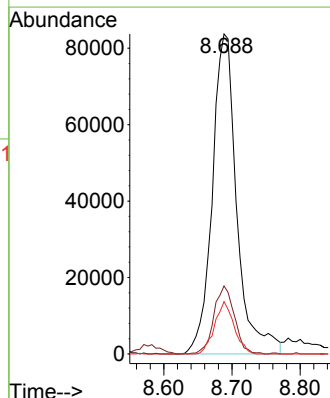
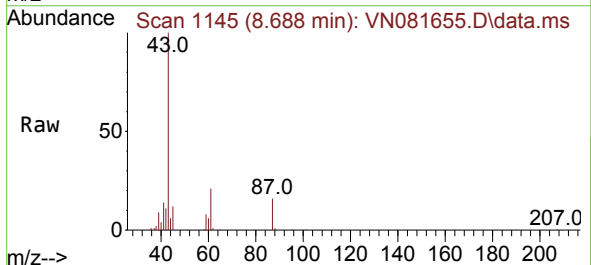
Instrument :
MSVOA_N
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72-11998

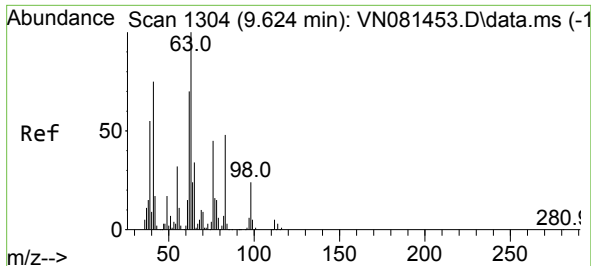
Tgt Ion:117 Resp: 37467
Ion Ratio Lower Upper
117 100
119 7.0 73.4 110.2#
121 0.0 24.4 36.6#



#43
Isopropyl Acetate
Concen: 20.880 ug/l
RT: 8.688 min Scan# 1145
Delta R.T. 0.000 min
Lab File: VN081655.D
Acq: 02 Apr 2024 15:48

Tgt Ion: 43 Resp: 209687
Ion Ratio Lower Upper
43 100
61 17.8 19.9 29.9#
87 13.0 9.0 13.6





#45

1,2-Dichloropropane

Concen: 0.384 ug/l

RT: 9.735 min Scan# 11

Delta R.T. 0.112 min

Lab File: VN081655.D

Acq: 02 Apr 2024 15:48

Instrument :

MSVOA_N

ClientSampleId :

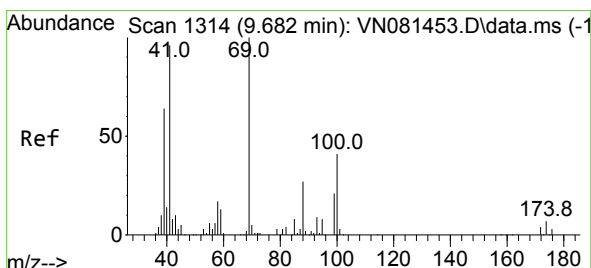
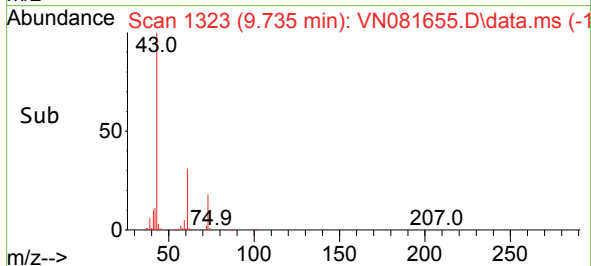
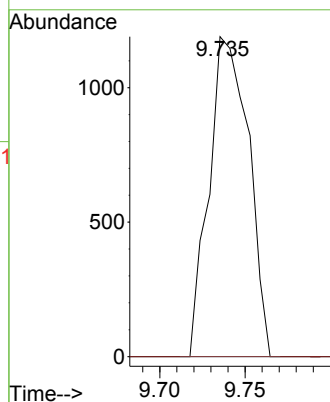
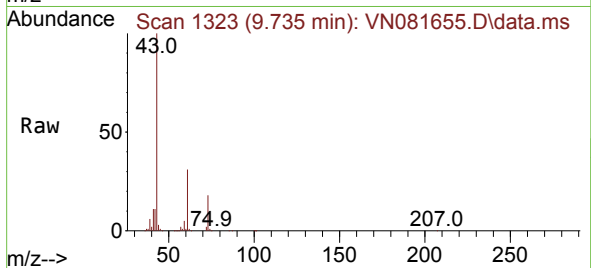
72-11998

Tgt Ion: 63 Resp: 1923

Ion Ratio Lower Upper

63 100

65 0.0 26.1 39.1#



#48

Methyl methacrylate

Concen: 1.029 ug/l

RT: 9.671 min Scan# 1312

Delta R.T. -0.012 min

Lab File: VN081655.D

Acq: 02 Apr 2024 15:48

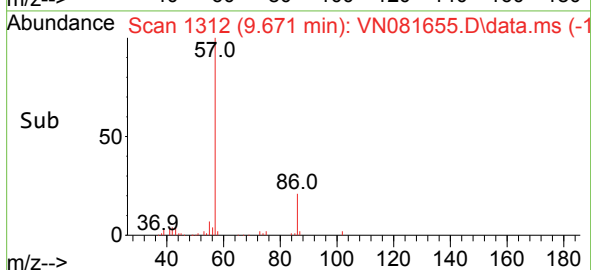
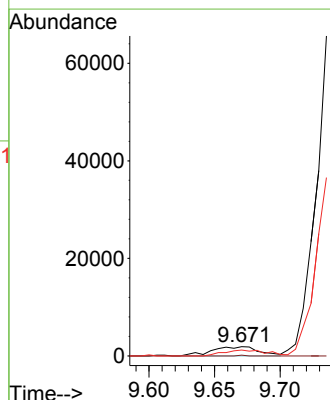
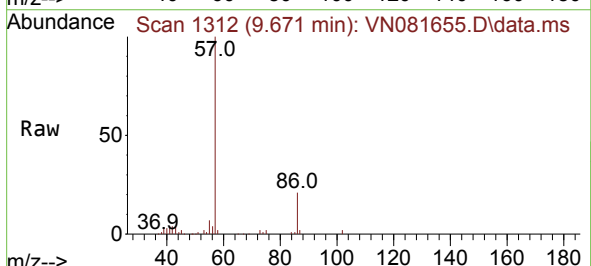
Tgt Ion: 41 Resp: 4764

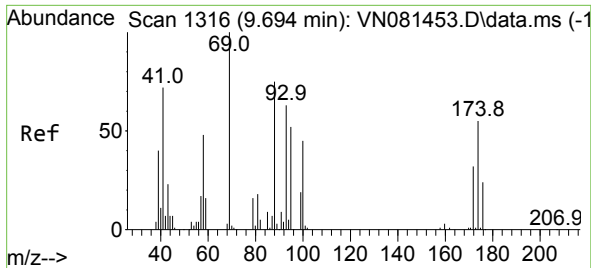
Ion Ratio Lower Upper

41 100

69 1.3 62.2 93.2#

39 59.7 47.6 71.4





#49

1,4-Dioxane

Concen: 0.692 ug/l

RT: 9.753 min Scan# 11

Delta R.T. 0.059 min

Lab File: VN081655.D

Acq: 02 Apr 2024 15:48

Instrument :

MSVOA_N

ClientSampleId :

72-11998

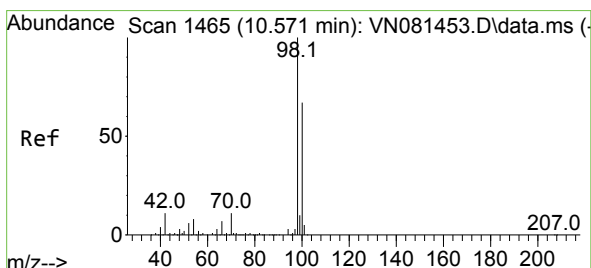
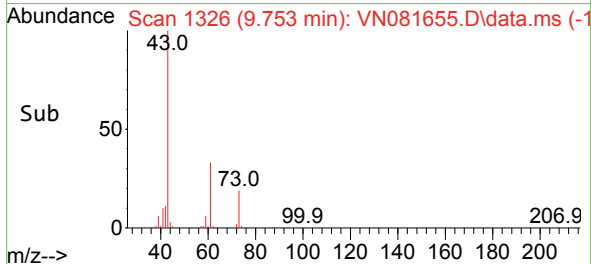
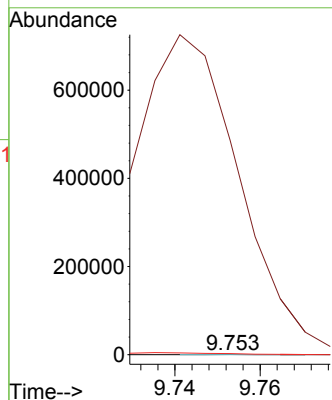
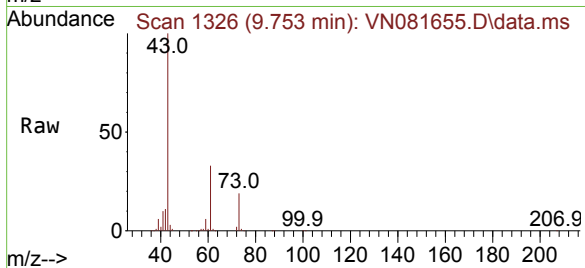
Tgt Ion: 88 Resp: 77

Ion Ratio Lower Upper

88 100

43 1699167.5 30.1 45.1#

58 10722.1 63.9 95.9#



#50

Toluene-d8

Concen: 53.877 ug/l

RT: 10.565 min Scan# 1464

Delta R.T. -0.006 min

Lab File: VN081655.D

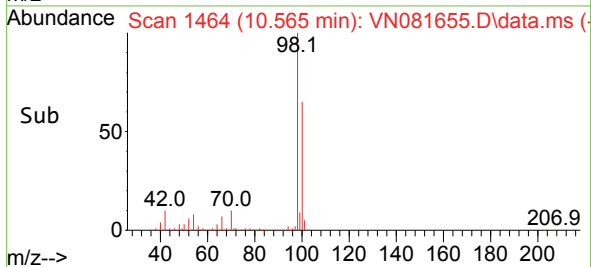
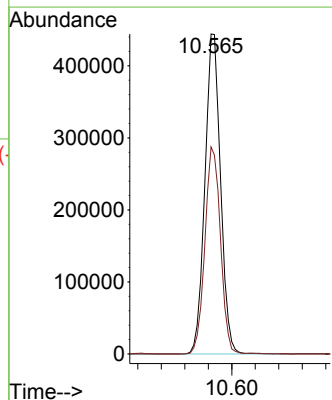
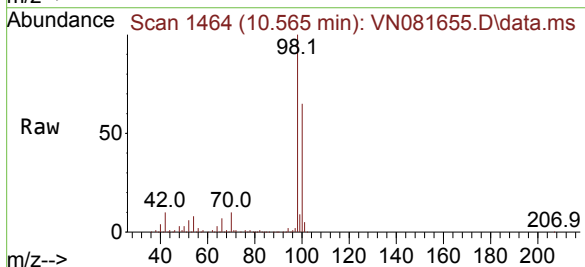
Acq: 02 Apr 2024 15:48

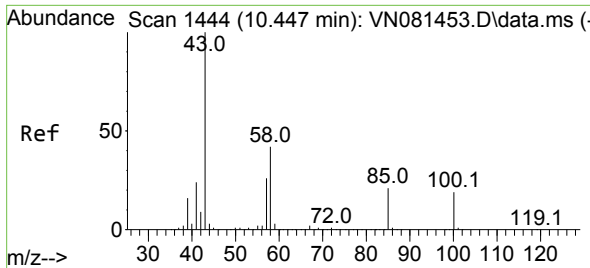
Tgt Ion: 98 Resp: 818788

Ion Ratio Lower Upper

98 100

100 64.4 51.4 77.0

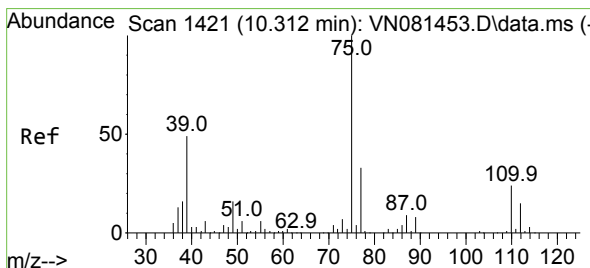
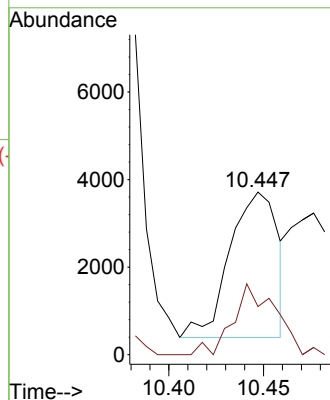
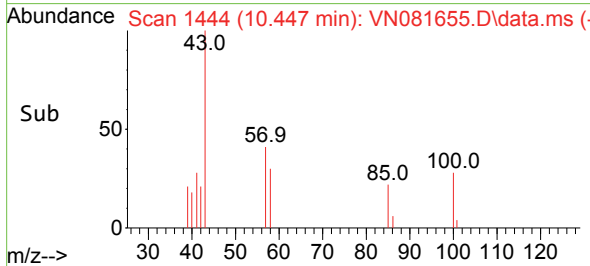
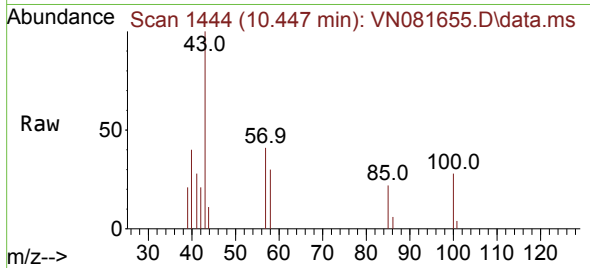




#51
4-Methyl-2-Pentanone
Concen: 0.961 ug/l
RT: 10.447 min Scan# 1444
Delta R.T. 0.000 min
Lab File: VN081655.D
Acq: 02 Apr 2024 15:48

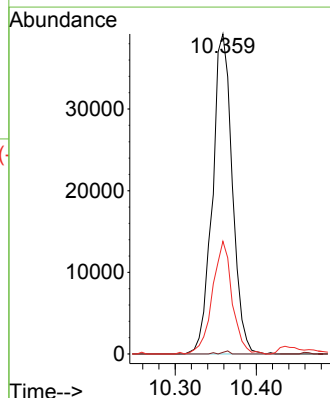
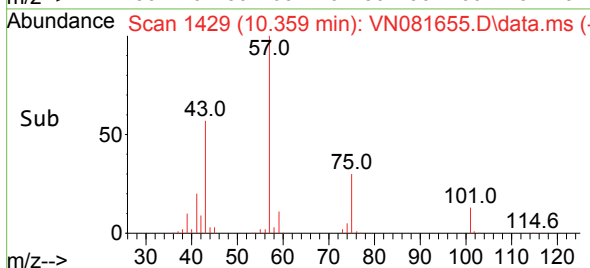
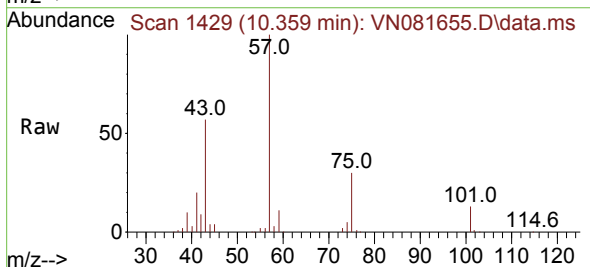
Instrument :
MSVOA_N
ClientSampleId :
72-11998

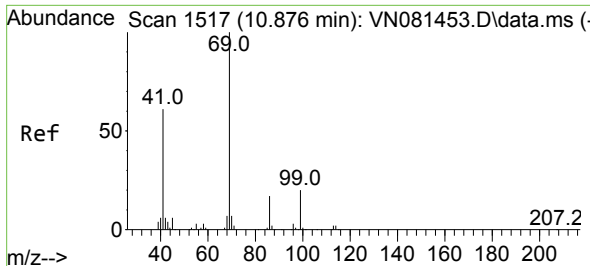
Tgt Ion: 43 Resp: 5887
Ion Ratio Lower Upper
43 100
58 43.3 29.4 44.0



#54
cis-1,3-Dichloropropene
Concen: 7.747 ug/l
RT: 10.359 min Scan# 1429
Delta R.T. 0.047 min
Lab File: VN081655.D
Acq: 02 Apr 2024 15:48

Tgt Ion: 75 Resp: 66756
Ion Ratio Lower Upper
75 100
77 0.5 23.3 34.9#
39 34.7 44.6 66.8#

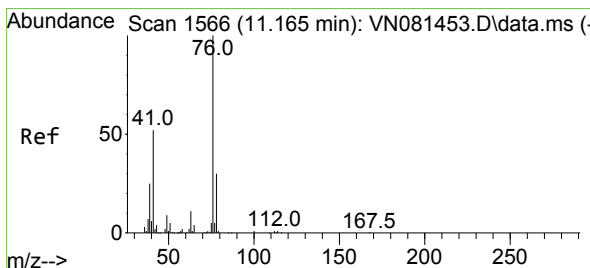
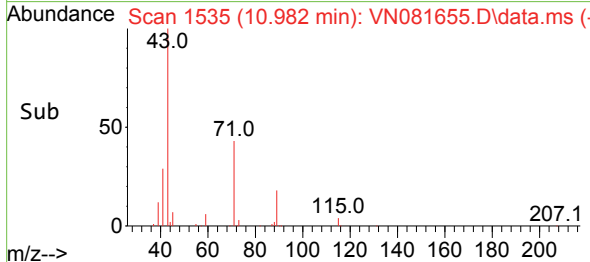
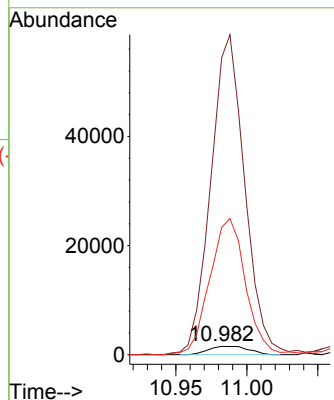
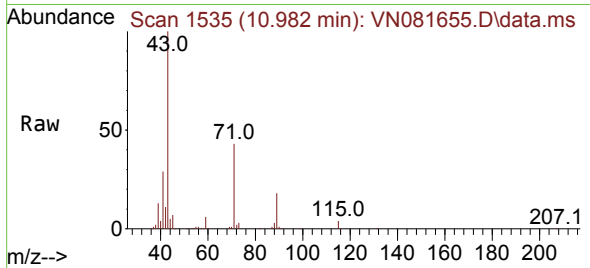




#56
Ethyl methacrylate
Concen: 0.988 ug/l
RT: 10.982 min Scan# 1535
Delta R.T. 0.106 min
Lab File: VN081655.D
Acq: 02 Apr 2024 15:48

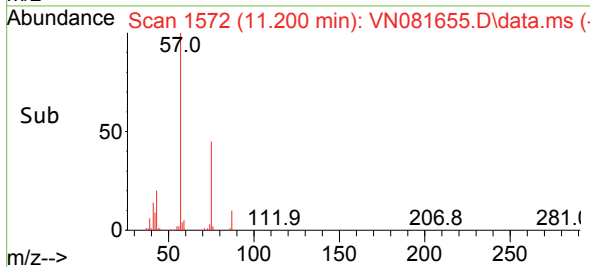
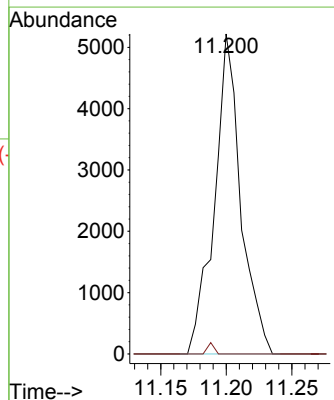
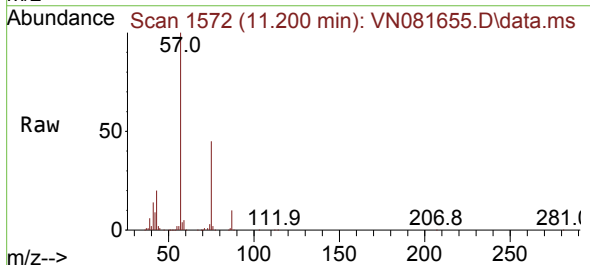
Instrument :
MSVOA_N
ClientSampleId :
72-11998

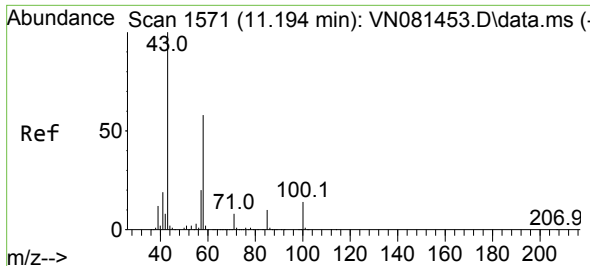
Tgt Ion: 69 Resp: 2999
Ion Ratio Lower Upper
69 100
41 3256.2 61.0 91.6#
39 1459.5 31.8 47.6#



#57
1,3-Dichloropropane
Concen: 0.842 ug/l
RT: 11.200 min Scan# 1572
Delta R.T. 0.035 min
Lab File: VN081655.D
Acq: 02 Apr 2024 15:48

Tgt Ion: 76 Resp: 7302
Ion Ratio Lower Upper
76 100
78 0.9 25.5 38.3#

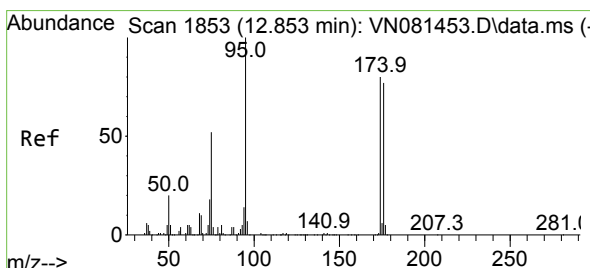
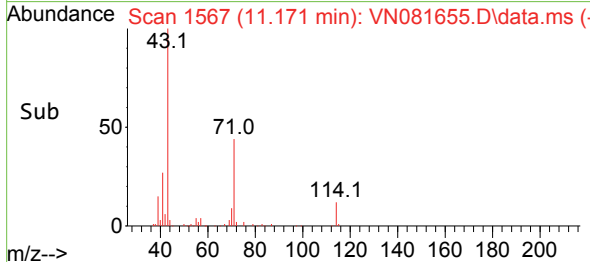
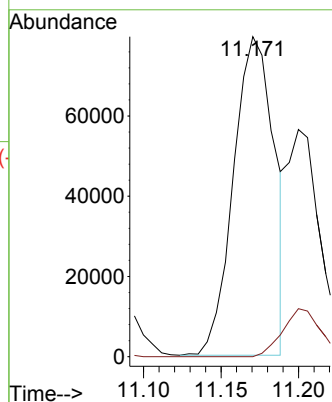
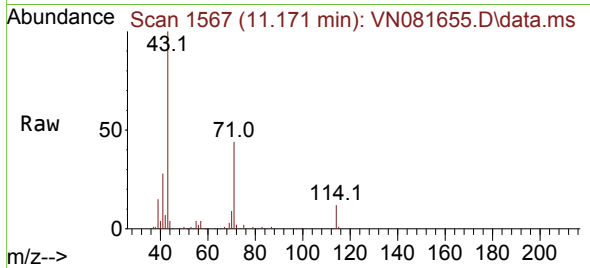




#59
2-Hexanone
Concen: 32.119 ug/l
RT: 11.171 min Scan# 11
Delta R.T. -0.024 min
Lab File: VN081655.D
Acq: 02 Apr 2024 15:48

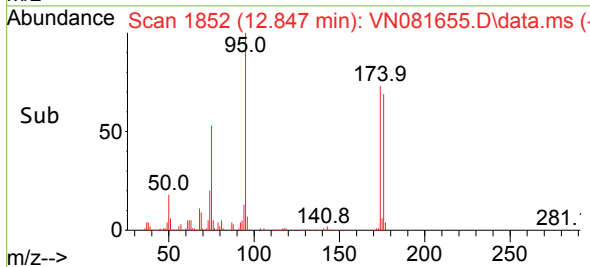
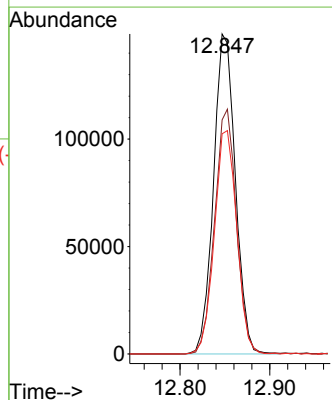
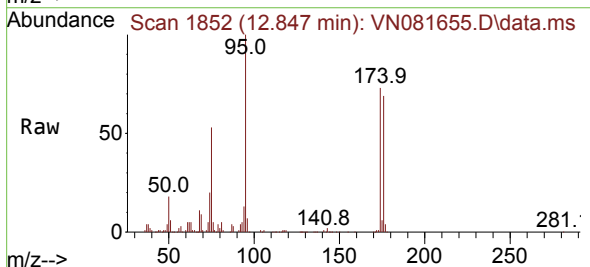
Instrument :
MSVOA_N
ClientSampleId :
72-11998

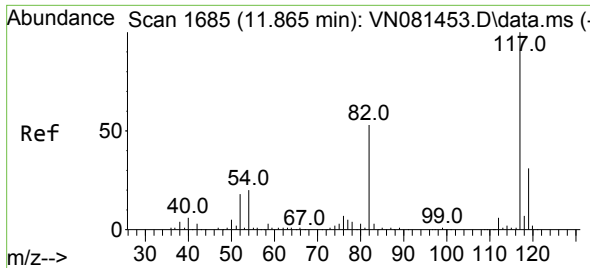
Tgt Ion: 43 Resp: 145517
Ion Ratio Lower Upper
43 100
58 0.0 25.9 77.8#



#62
4-Bromofluorobenzene
Concen: 47.071 ug/l
RT: 12.847 min Scan# 1852
Delta R.T. -0.006 min
Lab File: VN081655.D
Acq: 02 Apr 2024 15:48

Tgt Ion: 95 Resp: 252060
Ion Ratio Lower Upper
95 100
174 76.3 0.0 120.4
176 71.6 0.0 121.0

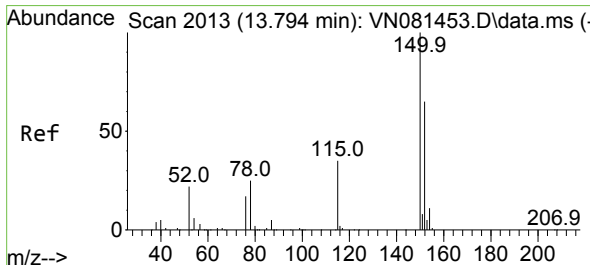
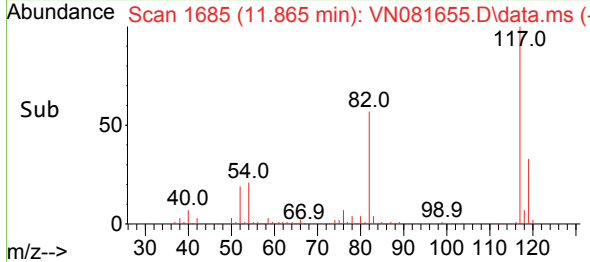
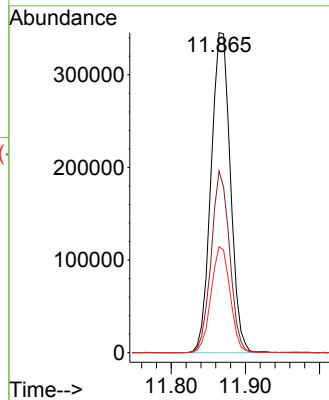
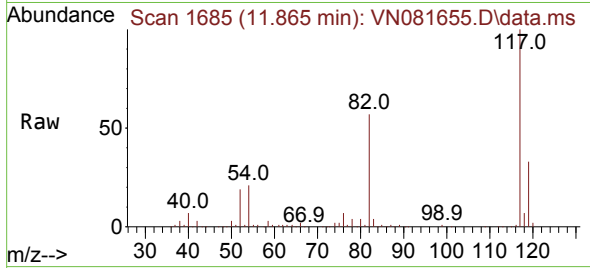




#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.865 min Scan# 117
Delta R.T. 0.000 min
Lab File: VN081655.D
Acq: 02 Apr 2024 15:48

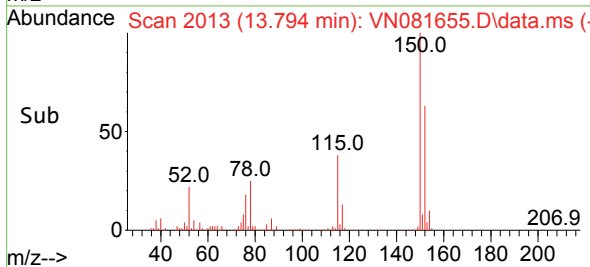
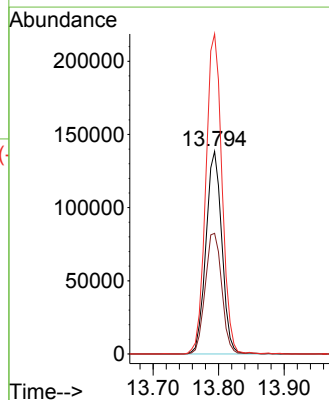
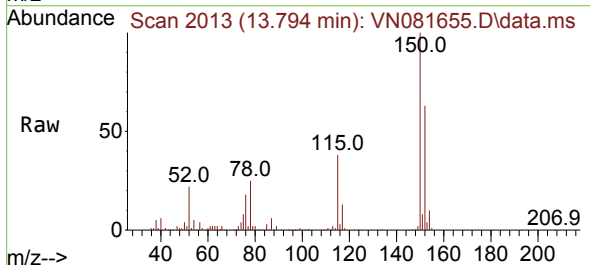
Instrument :
MSVOA_N
ClientSampleId :
72-11998

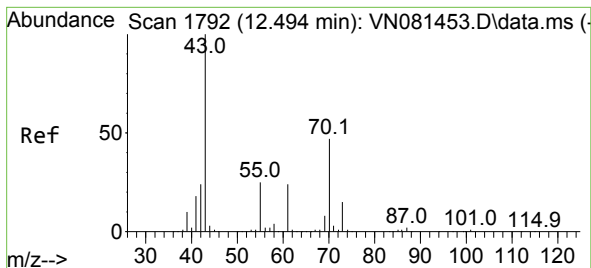
Tgt Ion:117 Resp: 626364
Ion Ratio Lower Upper
117 100
82 56.7 52.7 79.1
119 33.1 25.3 37.9



#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 13.794 min Scan# 2013
Delta R.T. 0.000 min
Lab File: VN081655.D
Acq: 02 Apr 2024 15:48

Tgt Ion:152 Resp: 233941
Ion Ratio Lower Upper
152 100
115 61.8 32.3 96.8
150 160.1 0.0 339.8





#74

N-amy1 acetate

Concen: 0.403 ug/l

RT: 12.459 min Scan# 1

Delta R.T. -0.035 min

Lab File: VN081655.D

Acq: 02 Apr 2024 15:48

Instrument :

MSVOA_N

ClientSampleId :

72-11998

Tgt Ion: 43 Resp: 2911

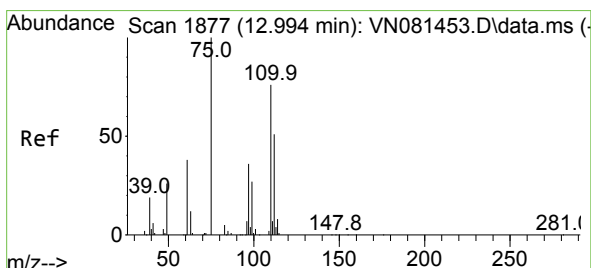
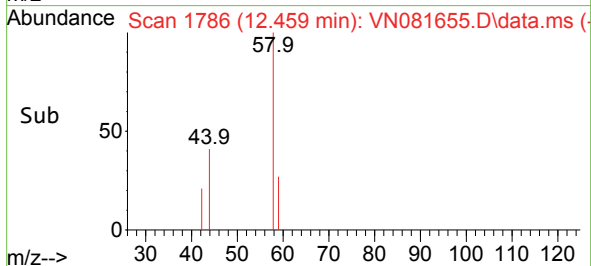
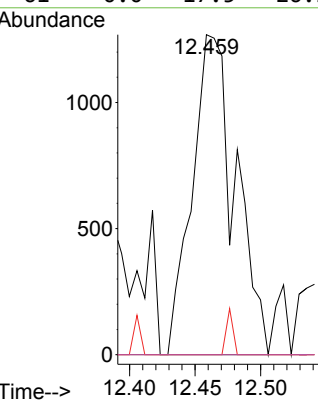
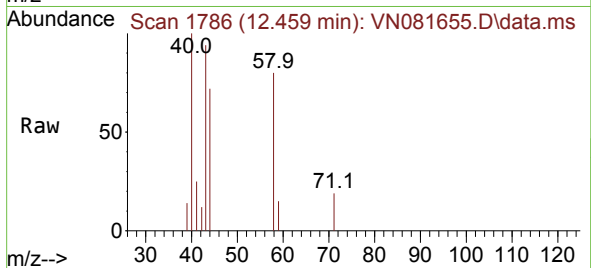
Ion Ratio Lower Upper

43 100

70 0.0 30.1 45.1#

55 2.2 17.0 25.4#

61 0.0 17.5 26.3#



#76

1,2,3-Trichloropropane

Concen: 23.418 ug/l

RT: 12.847 min Scan# 1852

Delta R.T. -0.147 min

Lab File: VN081655.D

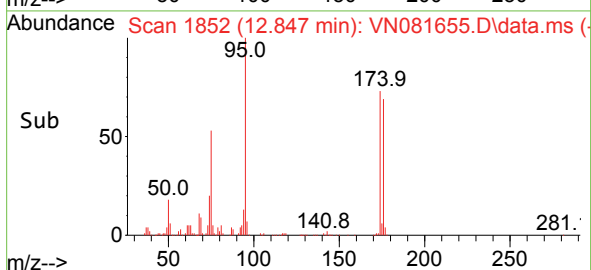
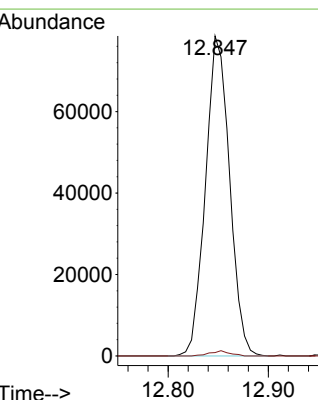
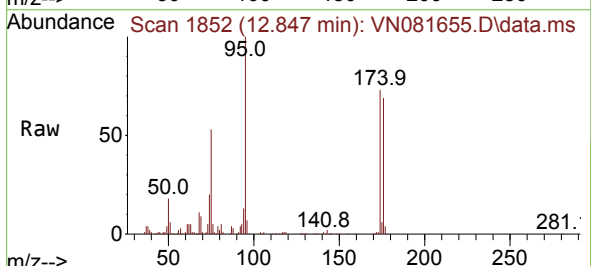
Acq: 02 Apr 2024 15:48

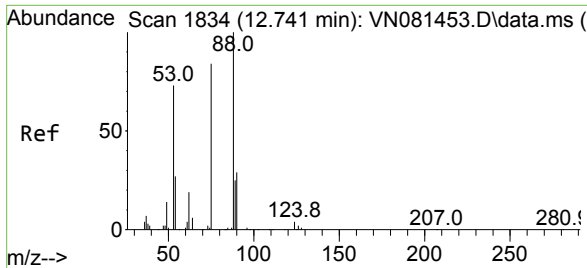
Tgt Ion: 75 Resp: 131047

Ion Ratio Lower Upper

75 100

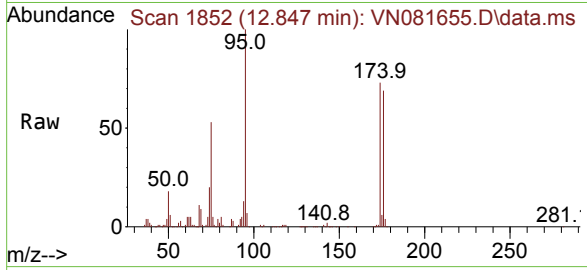
77 1.4 91.0 272.8#





#81
 trans-1,4-Dichloro-2-butene
 Concen: 63.283 ug/l
 RT: 12.847 min Scan# 11
 Delta R.T. 0.106 min
 Lab File: VN081655.D
 Acq: 02 Apr 2024 15:48

Instrument :
 MSVOA_N
 ClientSampleId :
 72-11998



Tgt Ion: 75 Resp: 131047
 Ion Ratio Lower Upper
 75 100
 53 0.3 71.4 107.2#
 89 0.0 33.4 50.0#

