

Data Path : Z:\voasrv\HPCHEM1\MSVOA_N\Data\VN040224\
 Data File : VN081654.D
 Acq On : 02 Apr 2024 15:24
 Operator : JC\MD
 Sample : P1927-02
 Misc : 5.0mL/MSVOA_N/WATER
 ALS Vial : 9 Sample Multiplier: 1

Instrument :
 MSVOA_N
 ClientSampleId :
 72-11991

Quant Time: Apr 03 01:33:38 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

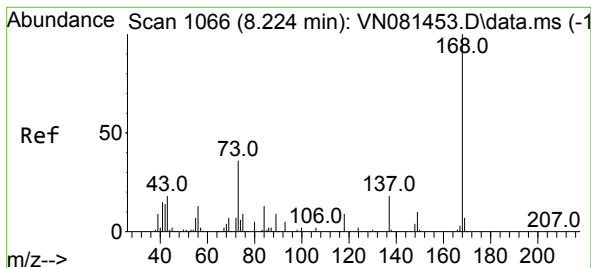
Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)

Internal Standards						
1) Pentafluorobenzene	8.230	168	350180	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	9.100	114	677171	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.865	117	648559	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.794	152	256673	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.577	65	247030	55.317	ug/l	0.00
Spiked Amount	50.000	Range	74 - 125	Recovery	= 110.640%	
35) Dibromofluoromethane	8.165	113	216271	50.606	ug/l	0.00
Spiked Amount	50.000	Range	75 - 124	Recovery	= 101.220%	
50) Toluene-d8	10.565	98	840658	54.416	ug/l	0.00
Spiked Amount	50.000	Range	86 - 113	Recovery	= 108.840%	
62) 4-Bromofluorobenzene	12.847	95	264396	48.571	ug/l	0.00
Spiked Amount	50.000	Range	64 - 133	Recovery	= 97.140%	
Target Compounds						
					Qvalue	
3) Chloromethane	2.371	50	1091	0.232	ug/l	99
11) Tert butyl alcohol	5.512	59	735	0.944	ug/l #	72
16) Acetone	4.430	43	36920	25.582	ug/l	96
18) Methyl Acetate	5.018	43	2984	0.671	ug/l #	59
20) Methylene Chloride	5.277	84	16040	3.393	ug/l #	87
25) 2-Butanone	7.488	43	5577	2.253	ug/l #	53
29) Tetrahydrofuran	7.841	42	953	0.571	ug/l #	64
31) Cyclohexane	8.224	56	7893	1.086	ug/l #	1
36) 1,1-Dichloropropene	8.230	75	30885	4.294	ug/l #	51
37) Ethyl Acetate	7.553	43	4494	0.730	ug/l #	88
38) Carbon Tetrachloride	8.230	117	39972	5.074	ug/l #	17
43) Isopropyl Acetate	8.688	43	239459	23.457	ug/l #	85
48) Methyl methacrylate	9.677	41	4993	1.060	ug/l #	48
51) 4-Methyl-2-Pentanone	10.447	43	12302	1.975	ug/l	91
54) cis-1,3-Dichloropropene	10.359	75	63774	7.280	ug/l #	58
56) Ethyl methacrylate	10.982	69	2259	0.880	ug/l #	1
57) 1,3-Dichloropropane	11.200	76	5404	0.613	ug/l #	43
59) 2-Hexanone	11.171	43	204887	44.488	ug/l #	26
74) N-amyl acetate	12.459	43	3452	0.436	ug/l #	49
76) 1,2,3-Trichloropropane	12.847	75	136681	22.262	ug/l #	1
81) trans-1,4-Dichloro-2-b...	12.847	75	136681	60.158	ug/l #	14

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

Quant Time: Apr 03 01:33:38 2024
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_N\methods\82N031824W.M
Quant Title : SW846 8260
QLast Update : Tue Mar 19 06:00:00 2024
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#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 8.230 min Scan# 10

Delta R.T. 0.006 min

Lab File: VN081654.D

Acq: 02 Apr 2024 15:24

Instrument :

MSVOA_N

ClientSampleId :

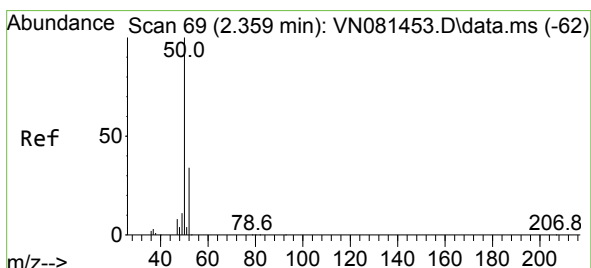
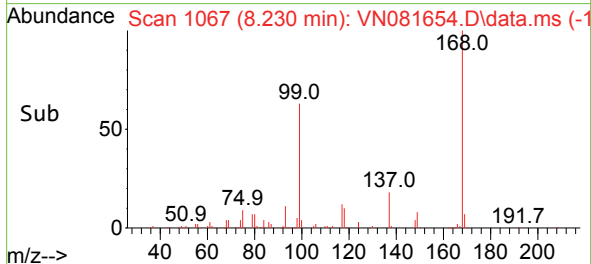
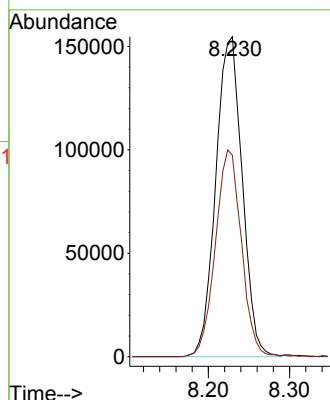
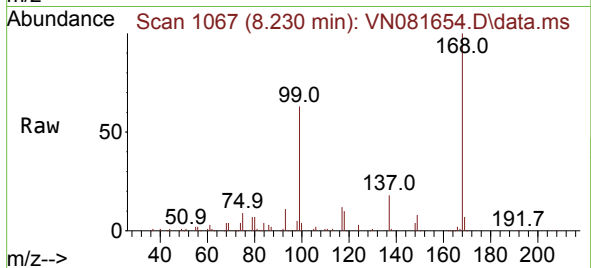
72-11991

Tgt Ion:168 Resp: 350180

Ion Ratio Lower Upper

168 100

99 63.0 59.9 89.9



#3

Chloromethane

Concen: 0.232 ug/l

RT: 2.371 min Scan# 71

Delta R.T. 0.012 min

Lab File: VN081654.D

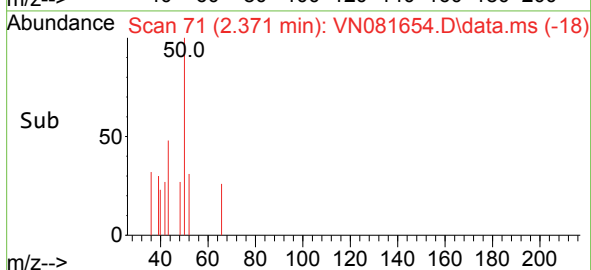
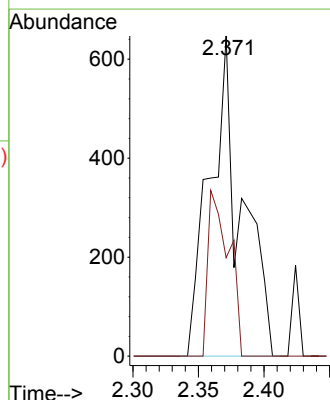
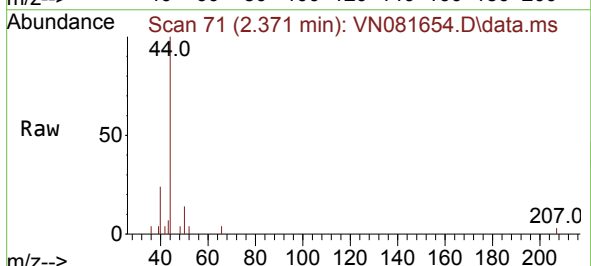
Acq: 02 Apr 2024 15:24

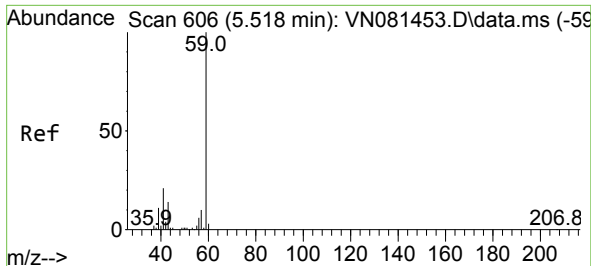
Tgt Ion: 50 Resp: 1091

Ion Ratio Lower Upper

50 100

52 30.8 25.0 37.4

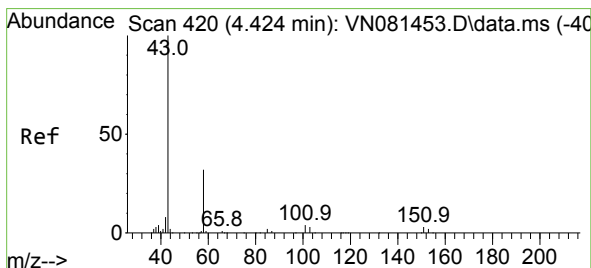
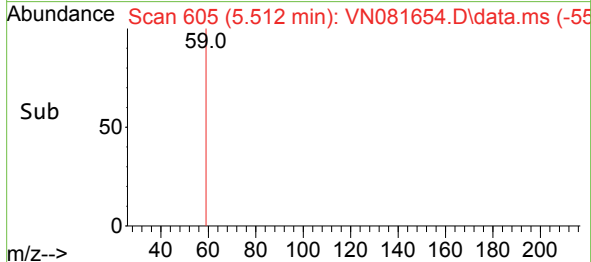
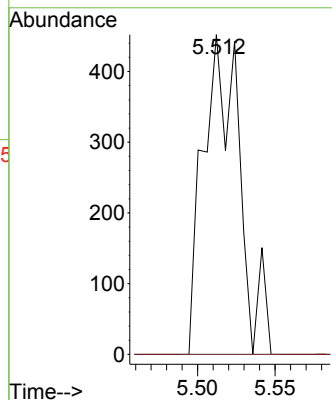
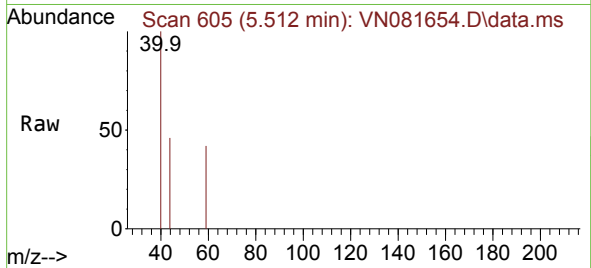




#11
Tert butyl alcohol
Concen: 0.944 ug/l
RT: 5.512 min Scan# 605
Delta R.T. -0.006 min
Lab File: VN081654.D
Acq: 02 Apr 2024 15:24

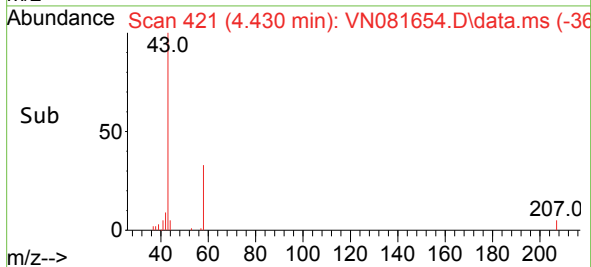
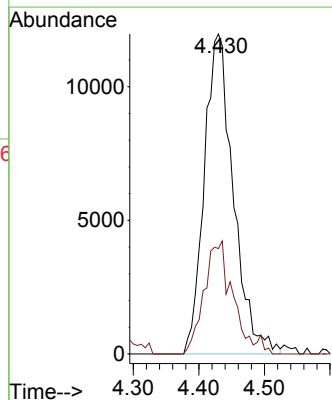
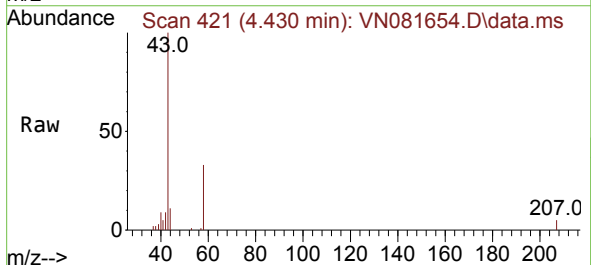
Instrument :
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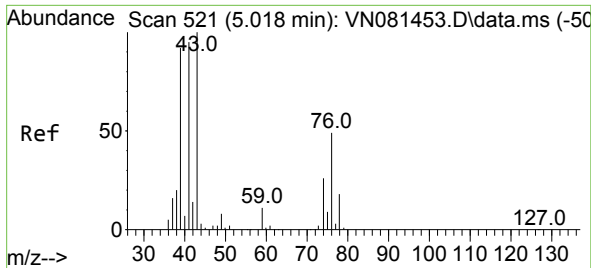
Tgt Ion: 59 Resp: 735
Ion Ratio Lower Upper
59 100
57 0.0 8.6 12.8#



#16
Acetone
Concen: 25.582 ug/l
RT: 4.430 min Scan# 421
Delta R.T. 0.006 min
Lab File: VN081654.D
Acq: 02 Apr 2024 15:24

Tgt Ion: 43 Resp: 36920
Ion Ratio Lower Upper
43 100
58 33.0 24.8 37.2

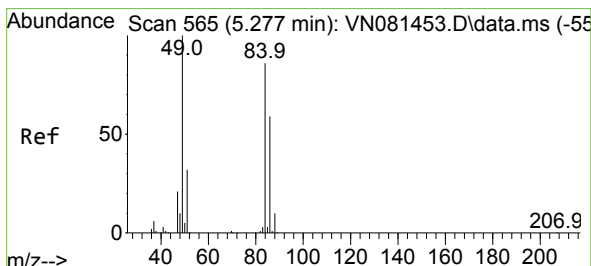
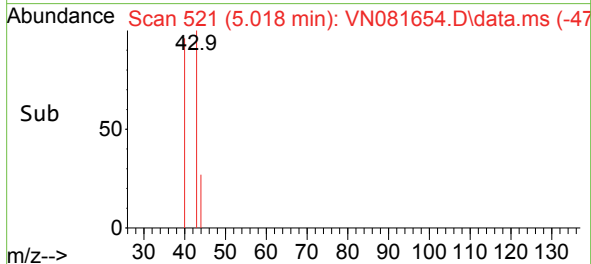
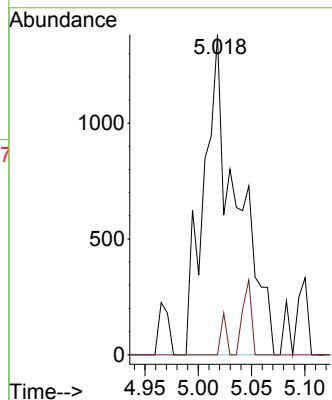
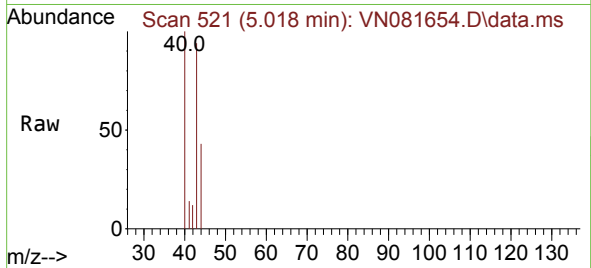




#18
Methyl Acetate
Concen: 0.671 ug/l
RT: 5.018 min Scan# 51
Delta R.T. 0.000 min
Lab File: VN081654.D
Acq: 02 Apr 2024 15:24

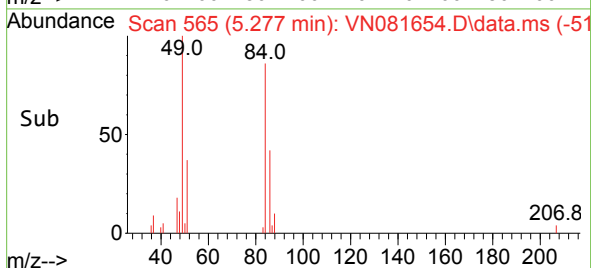
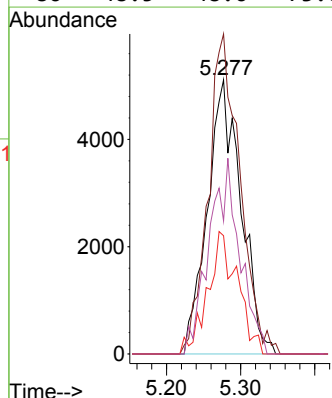
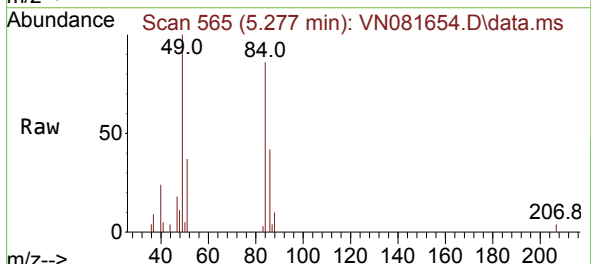
Instrument :
MSVOA_N
ClientSampleId :
72-11991

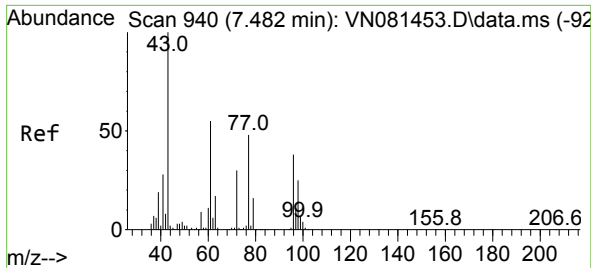
Tgt Ion: 43 Resp: 2984
Ion Ratio Lower Upper
43 100
74 2.1 17.3 25.9#



#20
Methylene Chloride
Concen: 3.393 ug/l
RT: 5.277 min Scan# 565
Delta R.T. 0.000 min
Lab File: VN081654.D
Acq: 02 Apr 2024 15:24

Tgt Ion: 84 Resp: 16040
Ion Ratio Lower Upper
84 100
49 116.7 108.1 162.1
51 43.1 32.9 49.3
86 48.5 48.6 73.0#

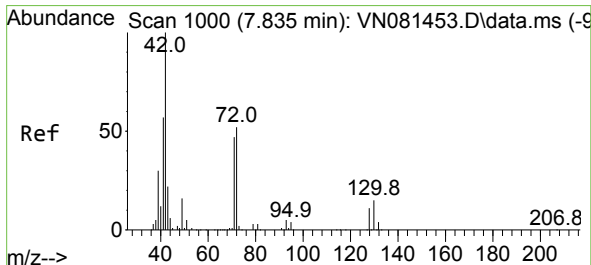
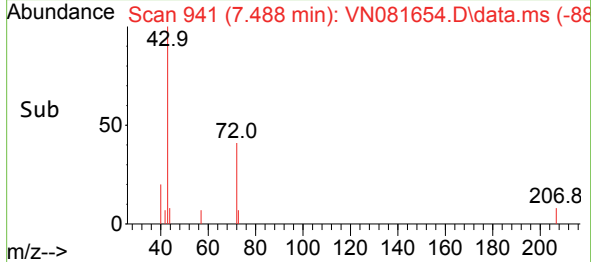
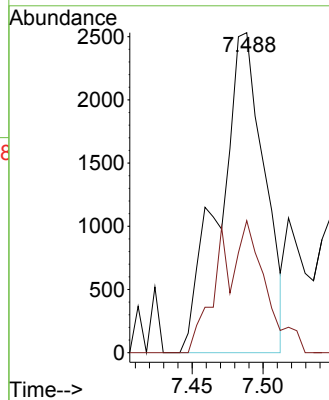
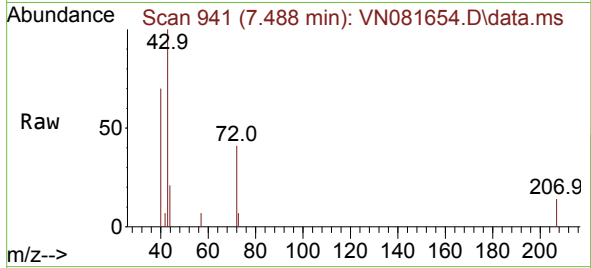




#25
2-Butanone
Concen: 2.253 ug/l
RT: 7.488 min Scan# 940
Delta R.T. 0.006 min
Lab File: VN081654.D
Acq: 02 Apr 2024 15:24

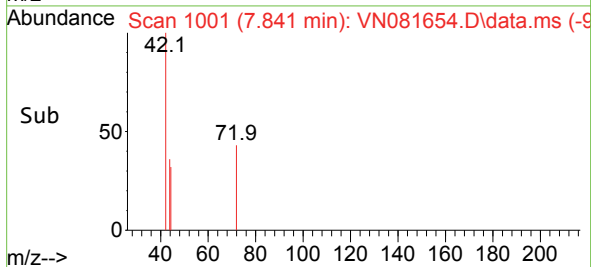
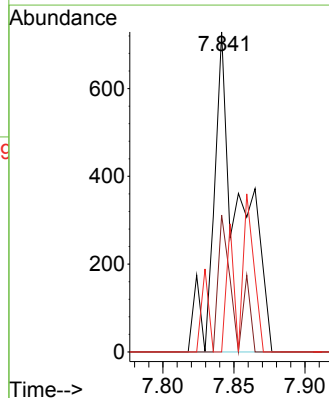
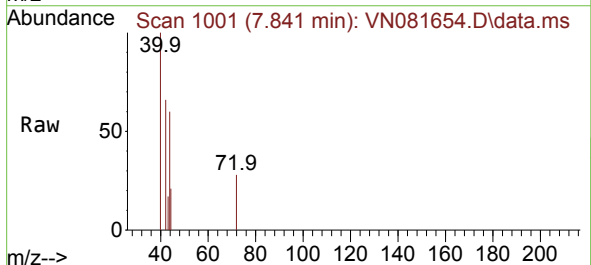
Instrument :
MSVOA_N
ClientSampleId :
72-11991

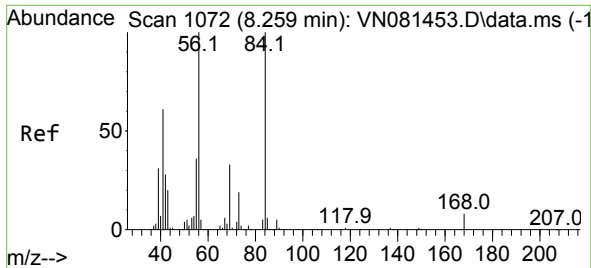
Tgt Ion: 43 Resp: 5577
Ion Ratio Lower Upper
43 100
72 47.9 19.5 29.3#



#29
Tetrahydrofuran
Concen: 0.571 ug/l
RT: 7.841 min Scan# 1001
Delta R.T. 0.006 min
Lab File: VN081654.D
Acq: 02 Apr 2024 15:24

Tgt Ion: 42 Resp: 953
Ion Ratio Lower Upper
42 100
72 24.2 31.1 46.7#
71 7.0 28.3 42.5#

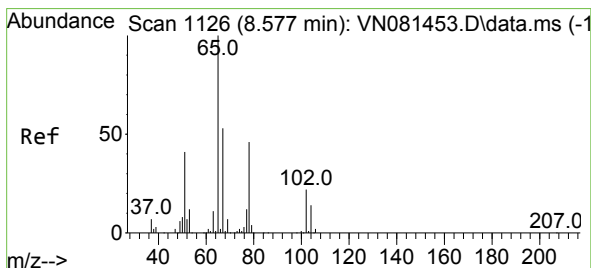
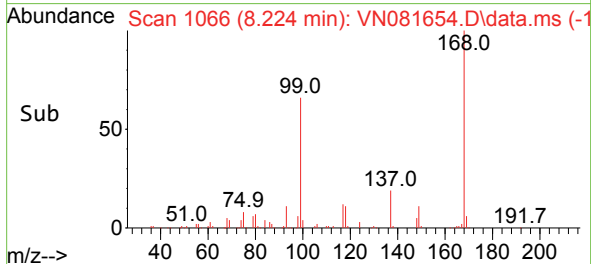
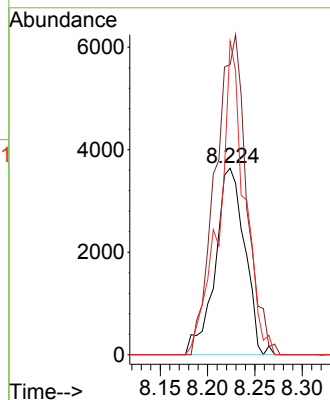
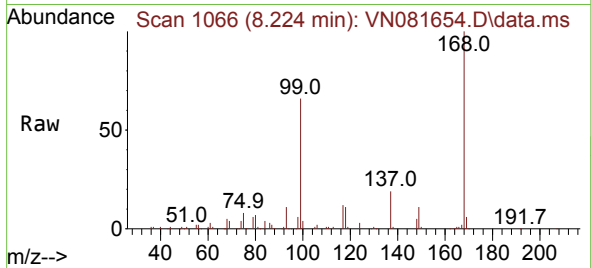




#31
Cyclohexane
Concen: 1.086 ug/l
RT: 8.224 min Scan# 1066
Delta R.T. -0.035 min
Lab File: VN081654.D
Acq: 02 Apr 2024 15:24

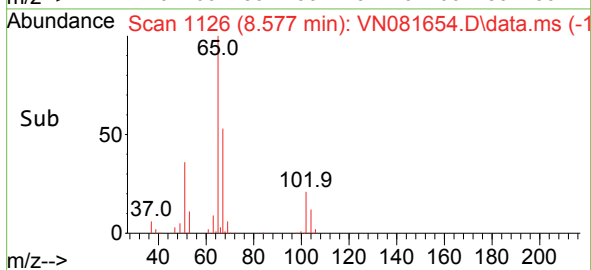
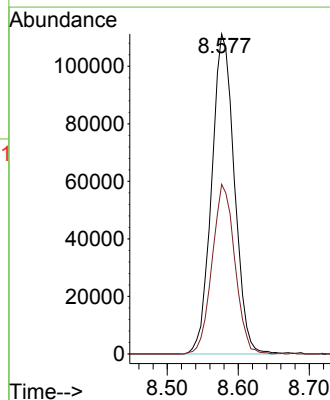
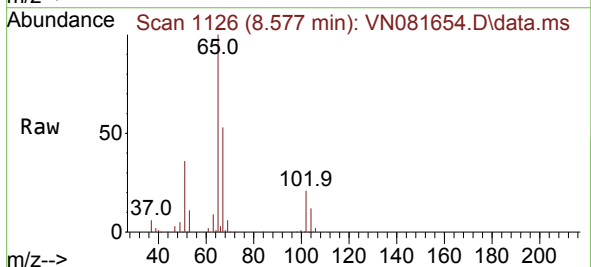
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MSVOA_N
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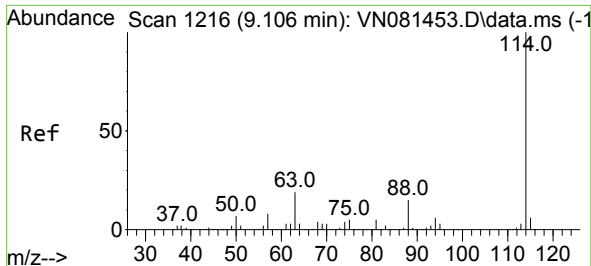
Tgt Ion: 56 Resp: 7893
Ion Ratio Lower Upper
56 100
69 155.7 20.1 30.1#
84 168.2 56.9 85.3#



#33
1,2-Dichloroethane-d4
Concen: 55.317 ug/l
RT: 8.577 min Scan# 1126
Delta R.T. 0.000 min
Lab File: VN081654.D
Acq: 02 Apr 2024 15:24

Tgt Ion: 65 Resp: 247030
Ion Ratio Lower Upper
65 100
67 53.0 0.0 102.4

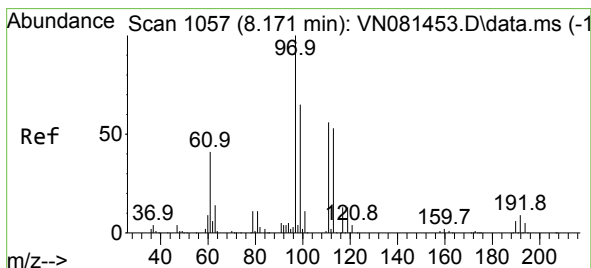
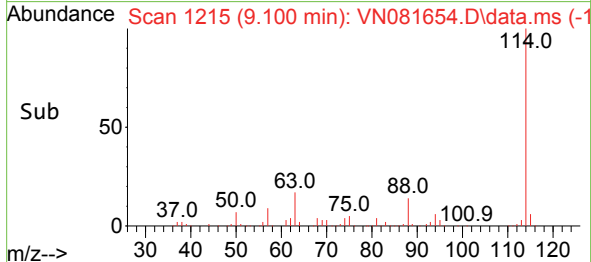
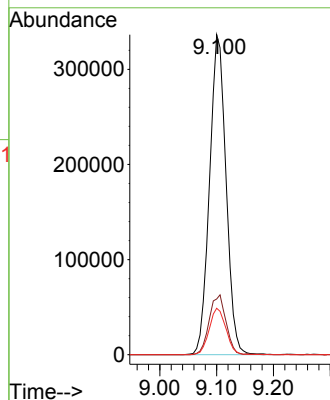
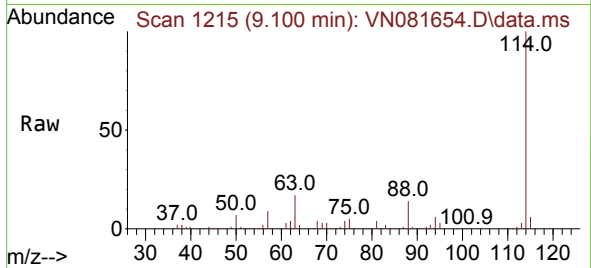




#34
1,4-Difluorobenzene
Concen: 50.000 ug/l
RT: 9.100 min Scan# 11
Delta R.T. -0.006 min
Lab File: VN081654.D
Acq: 02 Apr 2024 15:24

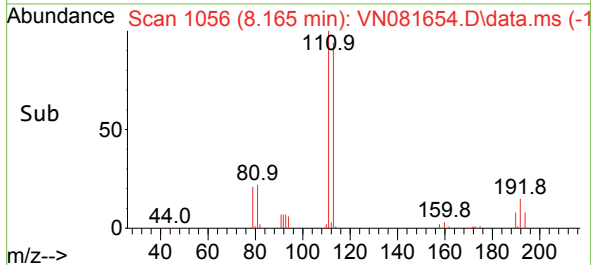
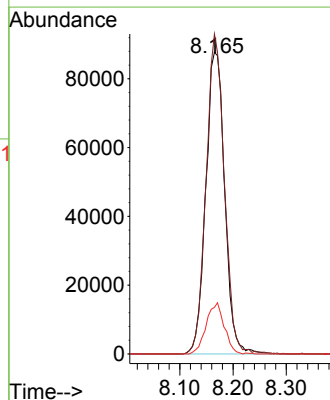
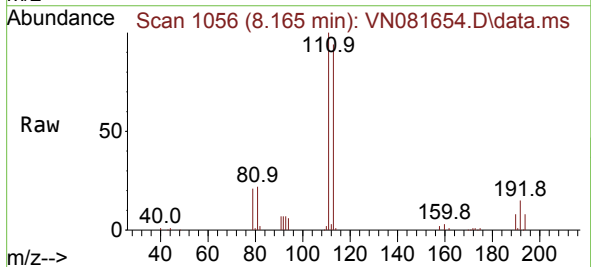
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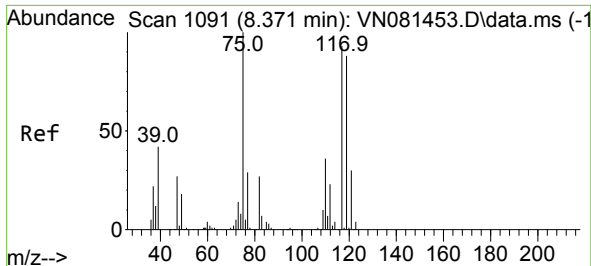
Tgt Ion:114 Resp: 677171
Ion Ratio Lower Upper
114 100
63 17.4 0.0 48.0
88 14.5 0.0 34.8



#35
Dibromofluoromethane
Concen: 50.606 ug/l
RT: 8.165 min Scan# 1056
Delta R.T. -0.006 min
Lab File: VN081654.D
Acq: 02 Apr 2024 15:24

Tgt Ion:113 Resp: 216271
Ion Ratio Lower Upper
113 100
111 102.8 82.2 123.4
192 16.2 12.5 18.7





#36

1,1-Dichloropropene

Concen: 4.294 ug/l

RT: 8.230 min Scan# 1067

Delta R.T. -0.141 min

Lab File: VN081654.D

Acq: 02 Apr 2024 15:24

Instrument :

MSVOA_N

ClientSampleId :

72-11991

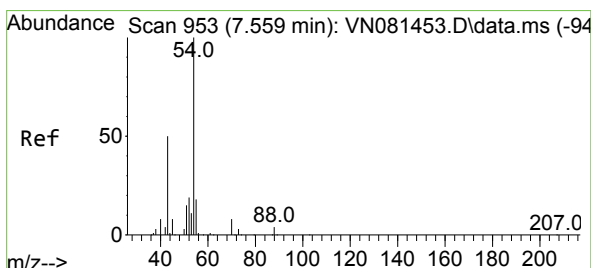
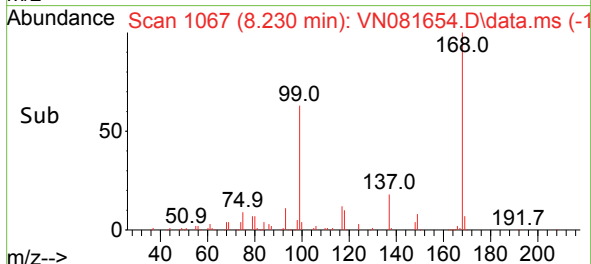
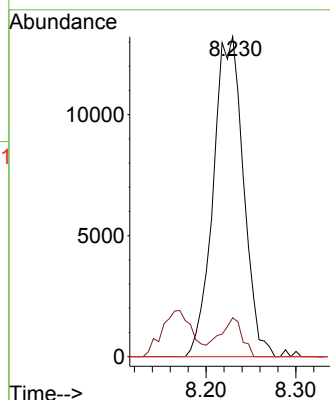
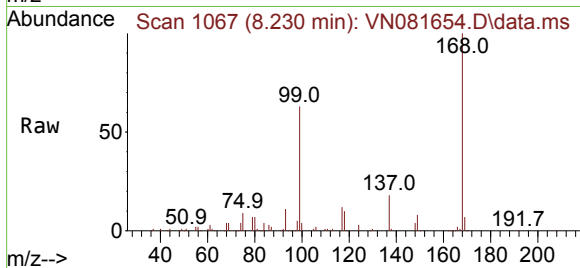
Tgt Ion: 75 Resp: 30885

Ion Ratio Lower Upper

75 100

110 9.0 16.0 48.0#

77 0.0 25.8 38.6#



#37

Ethyl Acetate

Concen: 0.730 ug/l

RT: 7.553 min Scan# 952

Delta R.T. -0.006 min

Lab File: VN081654.D

Acq: 02 Apr 2024 15:24

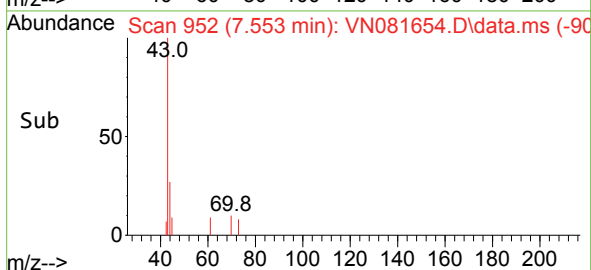
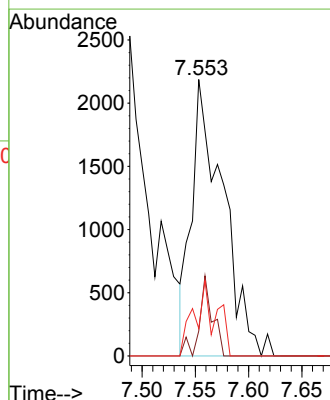
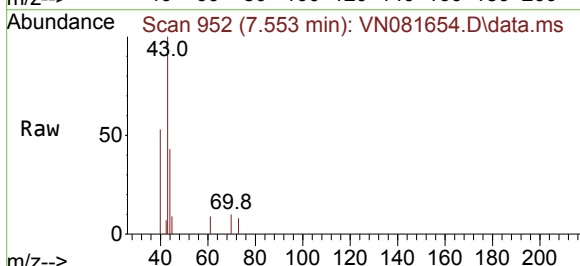
Tgt Ion: 43 Resp: 4494

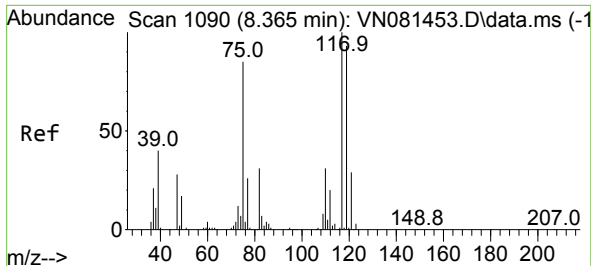
Ion Ratio Lower Upper

43 100

61 12.1 10.6 15.8

70 18.9 8.0 12.0#

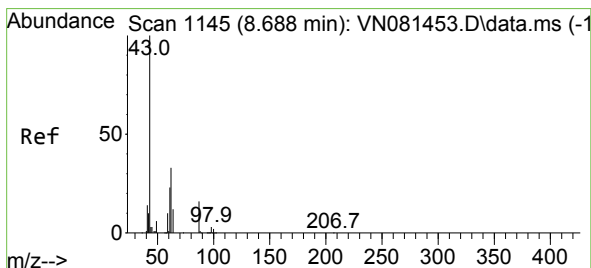
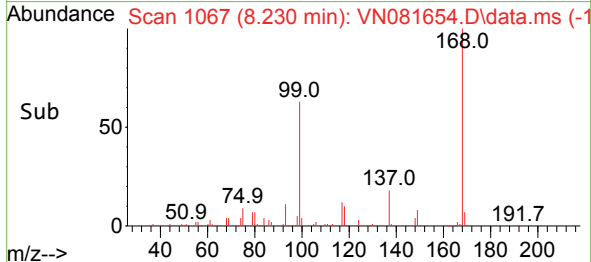
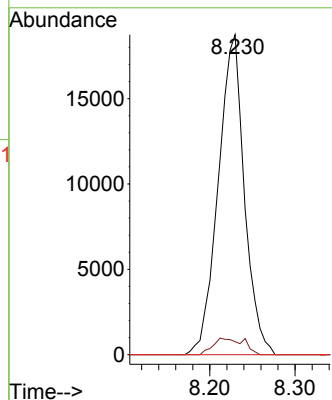
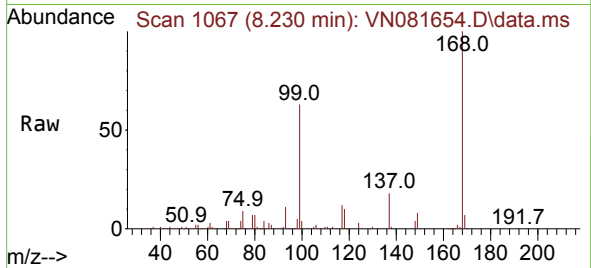




#38
Carbon Tetrachloride
Concen: 5.074 ug/l
RT: 8.230 min Scan# 1107
Delta R.T. -0.135 min
Lab File: VN081654.D
Acq: 02 Apr 2024 15:24

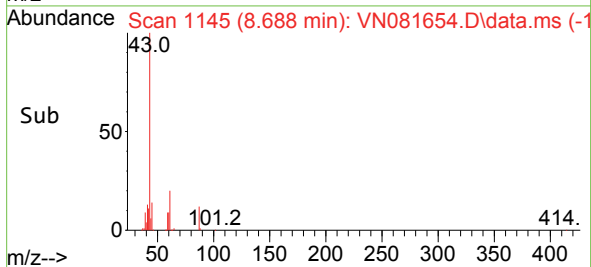
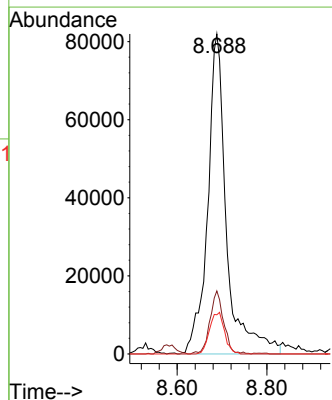
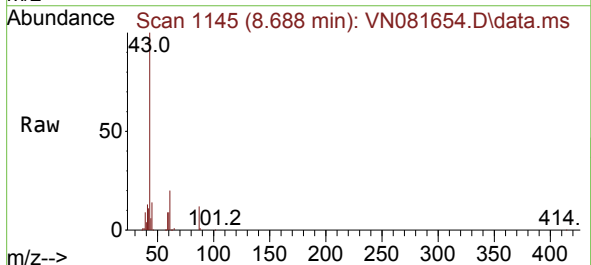
Instrument :
MSVOA_N
ClientSampleId :
72-11991

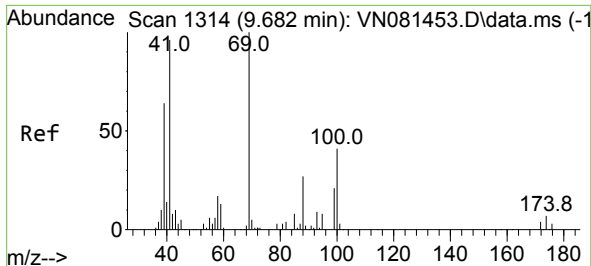
Tgt Ion:117 Resp: 39972
Ion Ratio Lower Upper
117 100
119 4.0 73.4 110.2#
121 0.0 24.4 36.6#



#43
Isopropyl Acetate
Concen: 23.457 ug/l
RT: 8.688 min Scan# 1145
Delta R.T. 0.000 min
Lab File: VN081654.D
Acq: 02 Apr 2024 15:24

Tgt Ion: 43 Resp: 239459
Ion Ratio Lower Upper
43 100
61 14.2 19.9 29.9#
87 10.3 9.0 13.6

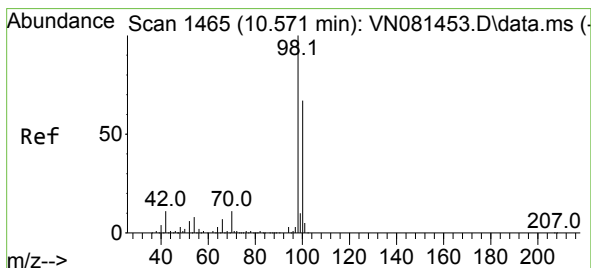
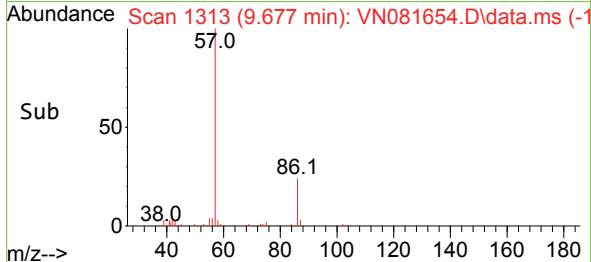
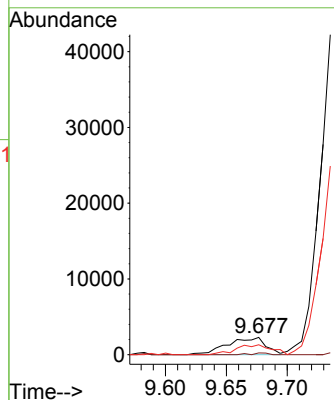
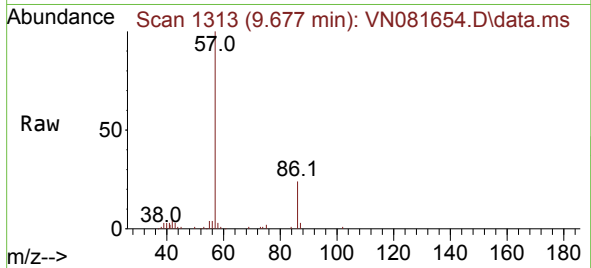




#48
Methyl methacrylate
Concen: 1.060 ug/l
RT: 9.677 min Scan# 11
Delta R.T. -0.006 min
Lab File: VN081654.D
Acq: 02 Apr 2024 15:24

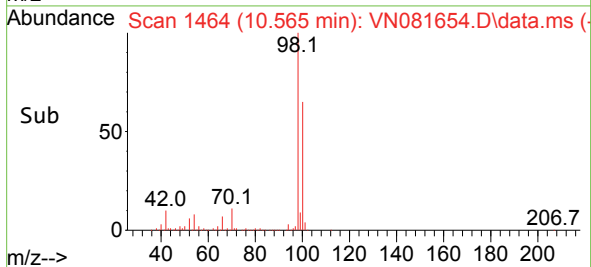
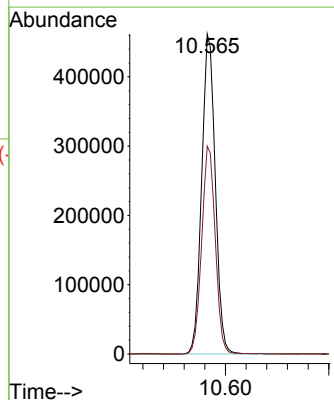
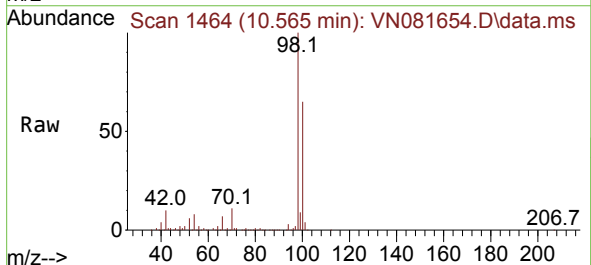
Instrument :
MSVOA_N
ClientSampleId :
72-11991

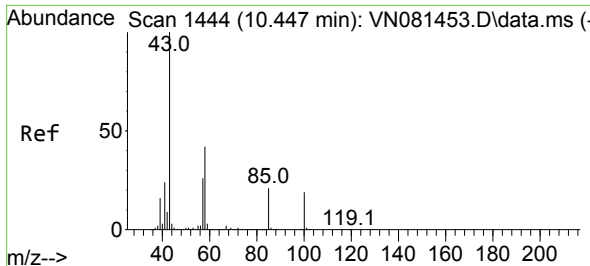
Tgt Ion: 41 Resp: 4993
Ion Ratio Lower Upper
41 100
69 4.4 62.2 93.2#
39 53.1 47.6 71.4



#50
Toluene-d8
Concen: 54.416 ug/l
RT: 10.565 min Scan# 1464
Delta R.T. -0.006 min
Lab File: VN081654.D
Acq: 02 Apr 2024 15:24

Tgt Ion: 98 Resp: 840658
Ion Ratio Lower Upper
98 100
100 65.0 51.4 77.0

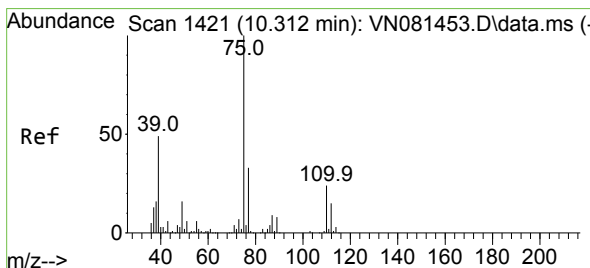
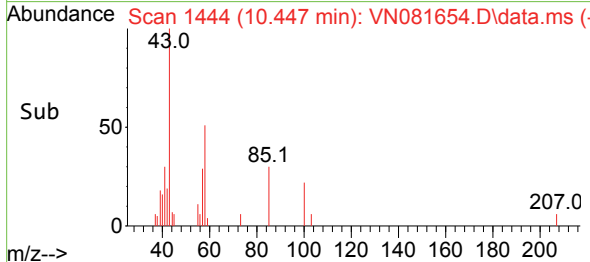
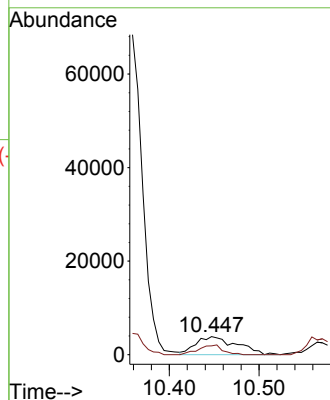
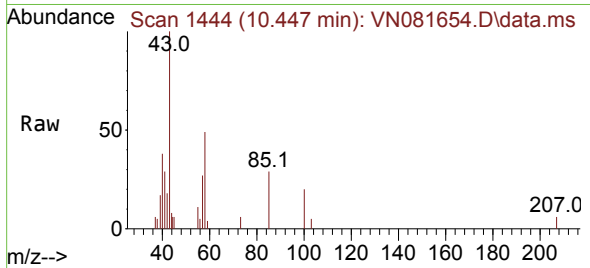




#51
4-Methyl-2-Pentanone
Concen: 1.975 ug/l
RT: 10.447 min Scan# 1444
Delta R.T. 0.000 min
Lab File: VN081654.D
Acq: 02 Apr 2024 15:24

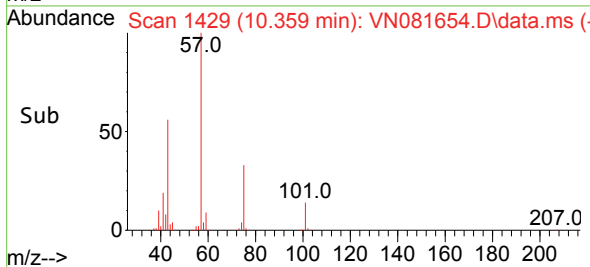
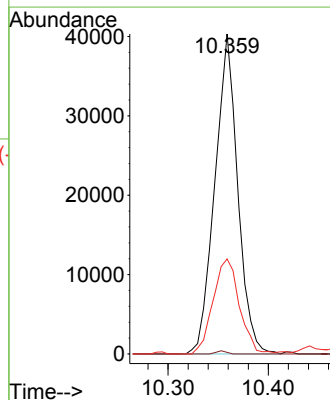
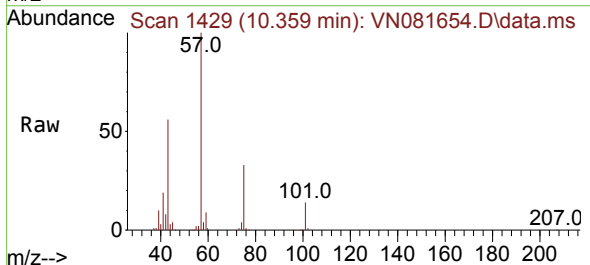
Instrument :
MSVOA_N
ClientSampleId :
72-11991

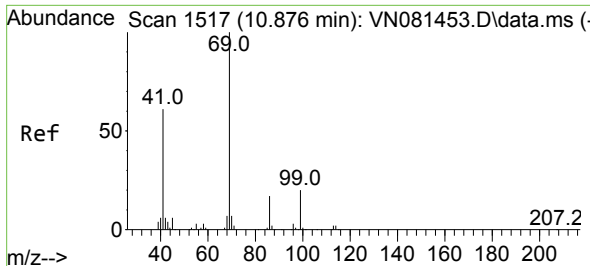
Tgt Ion: 43 Resp: 12302
Ion Ratio Lower Upper
43 100
58 31.3 29.4 44.0



#54
cis-1,3-Dichloropropene
Concen: 7.280 ug/l
RT: 10.359 min Scan# 1429
Delta R.T. 0.047 min
Lab File: VN081654.D
Acq: 02 Apr 2024 15:24

Tgt Ion: 75 Resp: 63774
Ion Ratio Lower Upper
75 100
77 0.5 23.3 34.9#
39 29.7 44.6 66.8#

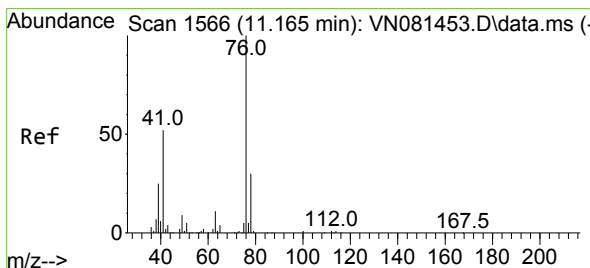
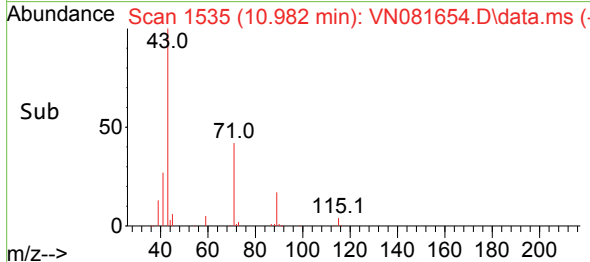
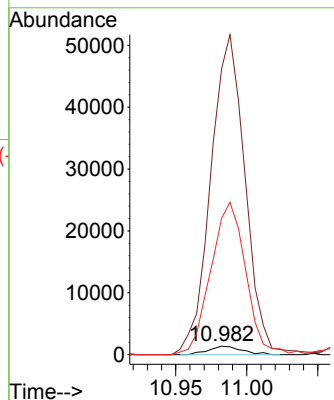
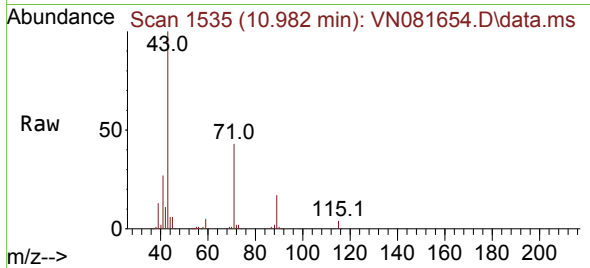




#56
Ethyl methacrylate
Concen: 0.880 ug/l
RT: 10.982 min Scan# 1535
Delta R.T. 0.106 min
Lab File: VN081654.D
Acq: 02 Apr 2024 15:24

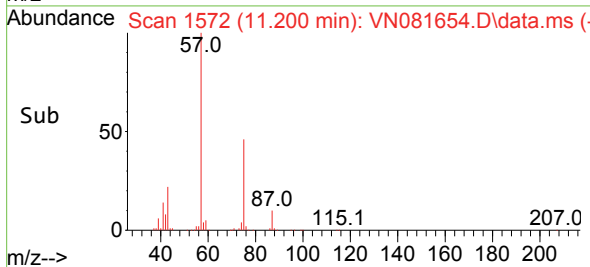
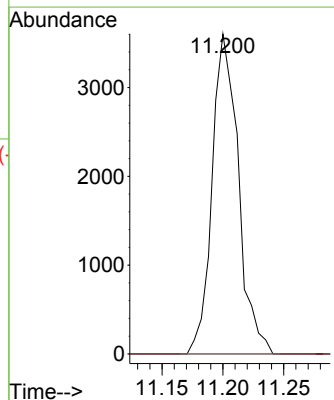
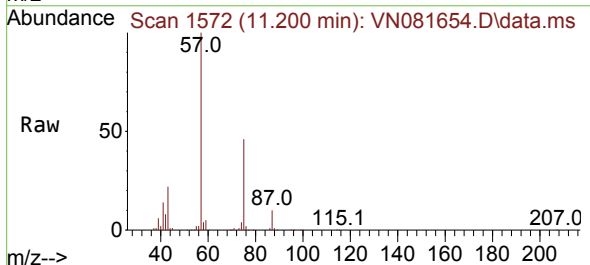
Instrument :
MSVOA_N
ClientSampleId :
72-11991

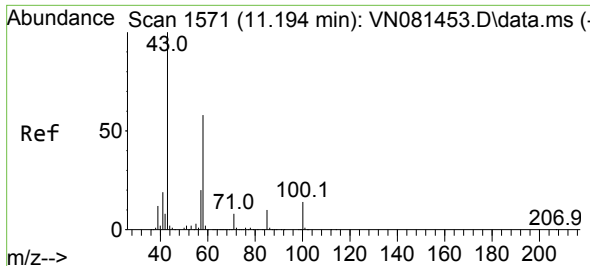
Tgt Ion: 69 Resp: 2259
Ion Ratio Lower Upper
69 100
41 3867.0 61.0 91.6#
39 1867.3 31.8 47.6#



#57
1,3-Dichloropropane
Concen: 0.613 ug/l
RT: 11.200 min Scan# 1572
Delta R.T. 0.035 min
Lab File: VN081654.D
Acq: 02 Apr 2024 15:24

Tgt Ion: 76 Resp: 5404
Ion Ratio Lower Upper
76 100
78 0.0 25.5 38.3#

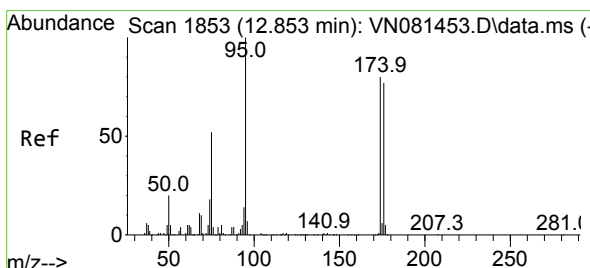
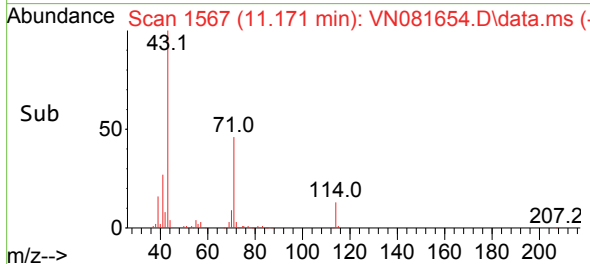
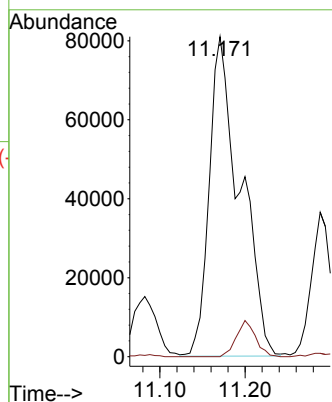
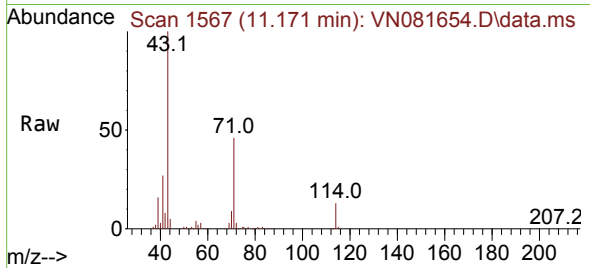




#59
2-Hexanone
Concen: 44.488 ug/l
RT: 11.171 min Scan# 11
Delta R.T. -0.023 min
Lab File: VN081654.D
Acq: 02 Apr 2024 15:24

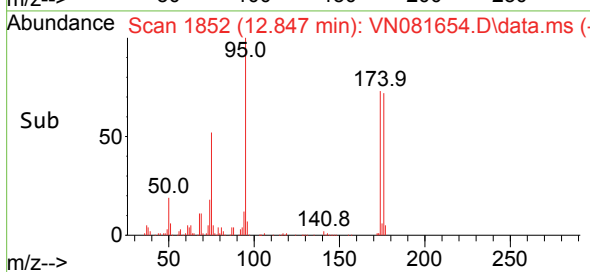
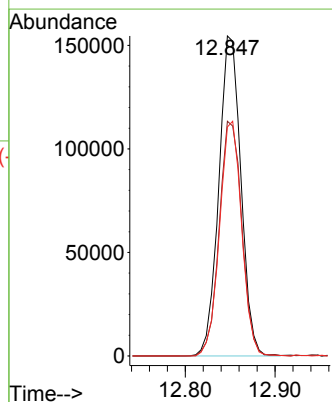
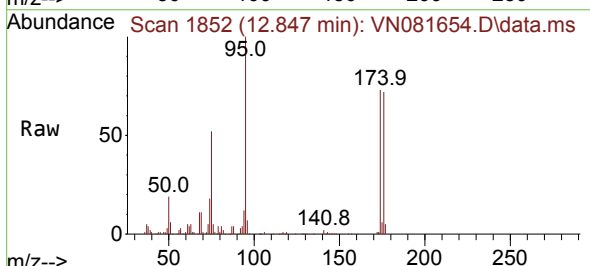
Instrument :
MSVOA_N
ClientSampleId :
72-11991

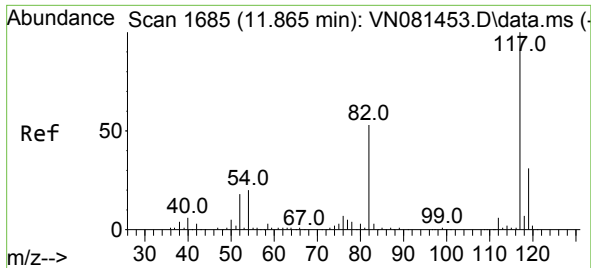
Tgt Ion: 43 Resp: 204887
Ion Ratio Lower Upper
43 100
58 0.0 25.9 77.8#



#62
4-Bromofluorobenzene
Concen: 48.571 ug/l
RT: 12.847 min Scan# 1852
Delta R.T. -0.006 min
Lab File: VN081654.D
Acq: 02 Apr 2024 15:24

Tgt Ion: 95 Resp: 264396
Ion Ratio Lower Upper
95 100
174 75.0 0.0 120.4
176 73.2 0.0 121.0

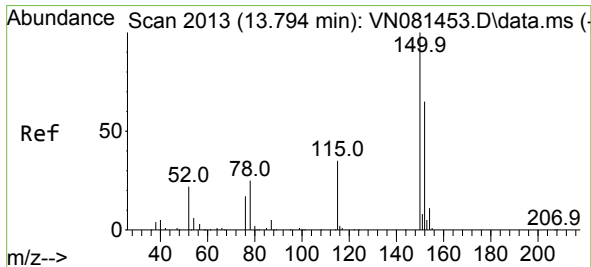
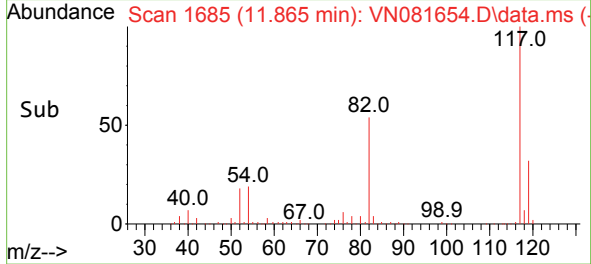
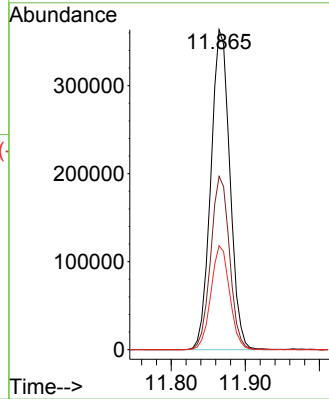
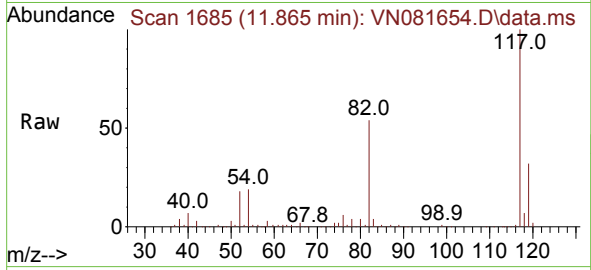




#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.865 min Scan# 117
Delta R.T. 0.000 min
Lab File: VN081654.D
Acq: 02 Apr 2024 15:24

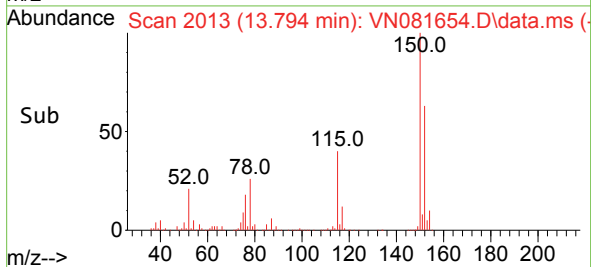
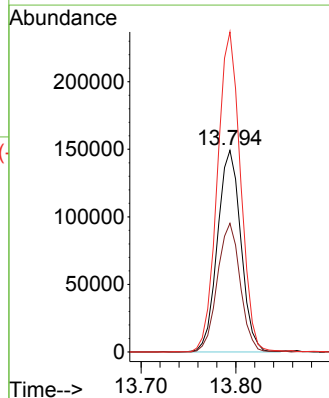
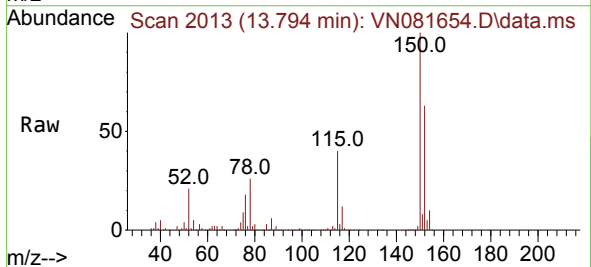
Instrument :
MSVOA_N
ClientSampleId :
72-11991

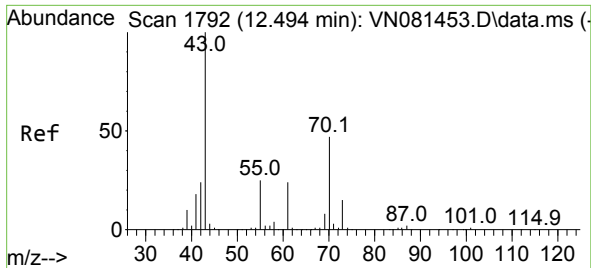
Tgt Ion:117 Resp: 648559
Ion Ratio Lower Upper
117 100
82 54.2 52.7 79.1
119 32.5 25.3 37.9



#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 13.794 min Scan# 2013
Delta R.T. 0.000 min
Lab File: VN081654.D
Acq: 02 Apr 2024 15:24

Tgt Ion:152 Resp: 256673
Ion Ratio Lower Upper
152 100
115 62.3 32.3 96.8
150 157.3 0.0 339.8

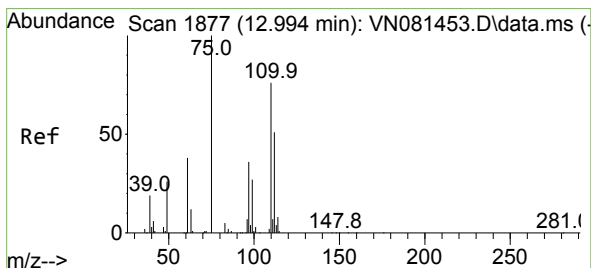
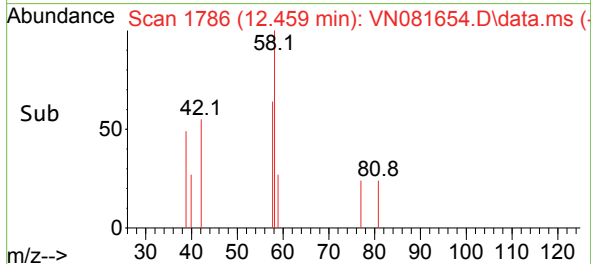
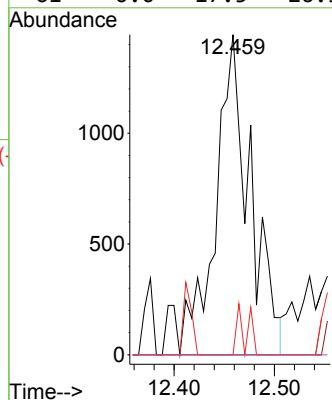
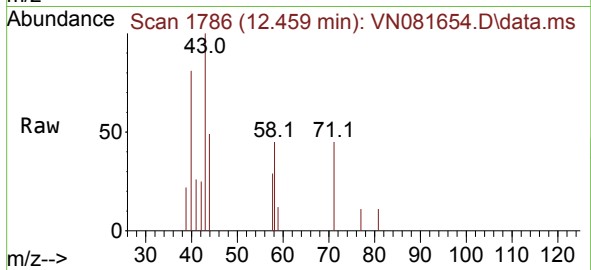




#74
N-amy1 acetate
Concen: 0.436 ug/l
RT: 12.459 min Scan# 1786
Delta R.T. -0.035 min
Lab File: VN081654.D
Acq: 02 Apr 2024 15:24

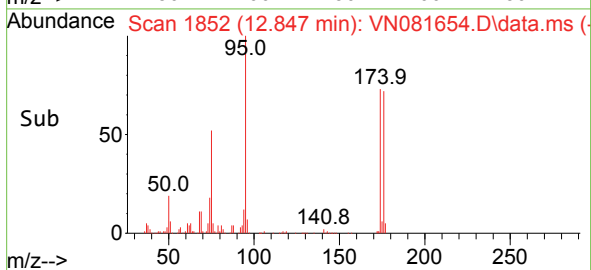
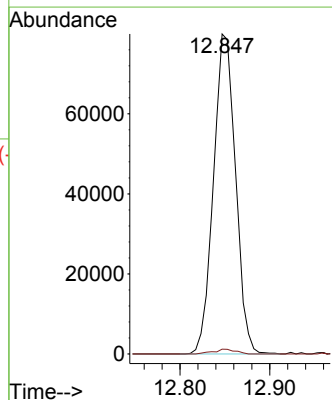
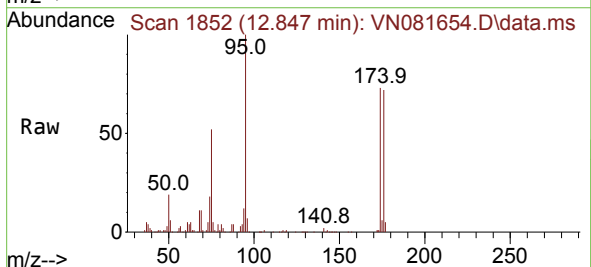
Instrument :
MSVOA_N
ClientSampleId :
72-11991

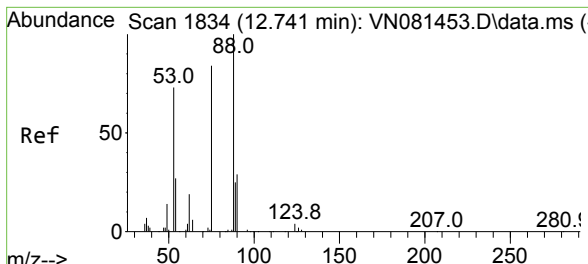
Tgt Ion: 43 Resp: 3452
Ion Ratio Lower Upper
43 100
70 0.0 30.1 45.1#
55 4.5 17.0 25.4#
61 0.0 17.5 26.3#



#76
1,2,3-Trichloropropane
Concen: 22.262 ug/l
RT: 12.847 min Scan# 1852
Delta R.T. -0.147 min
Lab File: VN081654.D
Acq: 02 Apr 2024 15:24

Tgt Ion: 75 Resp: 136681
Ion Ratio Lower Upper
75 100
77 1.5 91.0 272.8#





#81
 trans-1,4-Dichloro-2-butene
 Concen: 60.158 ug/l
 RT: 12.847 min Scan# 11
 Delta R.T. 0.106 min
 Lab File: VN081654.D
 Acq: 02 Apr 2024 15:24

Instrument :
 MSVOA_N
 ClientSampleId :
 72-11991

Tgt Ion: 75 Resp: 136681

Ion	Ratio	Lower	Upper
75	100		
53	0.0	71.4	107.2#
89	0.1	33.4	50.0#

