

Data Path : Z:\voasrv\HPCHEM1\MSVOA_N\Data\VN031324\
 Data File : VN081393.D
 Acq On : 13 Mar 2024 14:43
 Operator : JC\MD
 Sample : P1733-04
 Misc : 5.0mL/MSVOA_N/WATER
 ALS Vial : 1 Sample Multiplier: 1

Instrument :
 MSVOA_N
 ClientSampleId :
 WC-1

Quant Time: Mar 14 01:07:07 2024
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_N\methods\82N030524W.M
 Quant Title : SW846 8260
 QLast Update : Wed Mar 06 03:12:57 2024
 Response via : Initial Calibration

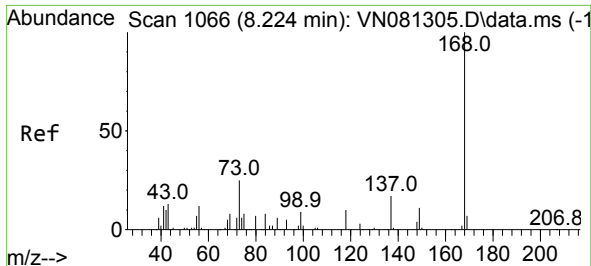
Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)

Internal Standards						
1) Pentafluorobenzene	8.224	168	287428	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	9.100	114	571589	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.870	117	511868	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.794	152	191366	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.576	65	242254	58.292	ug/l	0.00
Spiked Amount 50.000	Range 74 - 125		Recovery = 116.580%			
35) Dibromofluoromethane	8.165	113	180997	51.685	ug/l	0.00
Spiked Amount 50.000	Range 75 - 124		Recovery = 103.360%			
50) Toluene-d8	10.570	98	663105	50.653	ug/l	0.00
Spiked Amount 50.000	Range 86 - 113		Recovery = 101.300%			
62) 4-Bromofluorobenzene	12.853	95	210085	45.405	ug/l	0.00
Spiked Amount 50.000	Range 64 - 133		Recovery = 90.820%			
Target Compounds						Qvalue
11) Tert butyl alcohol	5.506	59	678	0.933	ug/l #	72
13) Acrolein	4.171	56	326	0.379	ug/l #	15
16) Acetone	4.436	43	47613	32.336	ug/l	89
18) Methyl Acetate	5.024	43	1850	0.439	ug/l #	89
20) Methylene Chloride	5.271	84	24902	6.139	ug/l	88
25) 2-Butanone	7.494	43	5354	2.171	ug/l #	83
29) Tetrahydrofuran	7.853	42	1255	0.746	ug/l #	83
31) Cyclohexane	8.224	56	8253	1.312	ug/l #	15
36) 1,1-Dichloropropene	8.224	75	27730	4.908	ug/l #	50
37) Ethyl Acetate	7.571	43	5489	0.994	ug/l #	93
38) Carbon Tetrachloride	8.224	117	34406	6.051	ug/l #	17
42) 1,2-Dichloroethane	8.677	62	2251	0.379	ug/l #	75
43) Isopropyl Acetate	8.688	43	357795	37.014	ug/l #	78
45) 1,2-Dichloropropane	9.747	63	2112	0.499	ug/l #	42
48) Methyl methacrylate	9.671	41	5527	1.294	ug/l #	48
49) 1,4-Dioxane	9.747	88	396	4.205	ug/l #	1
51) 4-Methyl-2-Pentanone	10.453	43	7894	1.406	ug/l	90
54) cis-1,3-Dichloropropene	10.359	75	59423	8.776	ug/l #	67
56) Ethyl methacrylate	10.976	69	1779	0.307	ug/l #	1
57) 1,3-Dichloropropane	11.212	76	7980	1.132	ug/l #	44
59) 2-Hexanone	11.170	43	141471	33.715	ug/l #	26
76) 1,2,3-Trichloropropane	12.853	75	118934	26.313	ug/l #	1
81) trans-1,4-Dichloro-2-b...	12.853	75	118934	73.434	ug/l #	14
92) 1,2-Dibromo-3-Chloropr...	14.711	75	992	0.972	ug/l #	13

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

Quant Time: Mar 14 01:07:07 2024
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_N\methods\82N030524W.M
Quant Title : SW846 8260
QLast Update : Wed Mar 06 03:12:57 2024
Response via : Initial Calibration

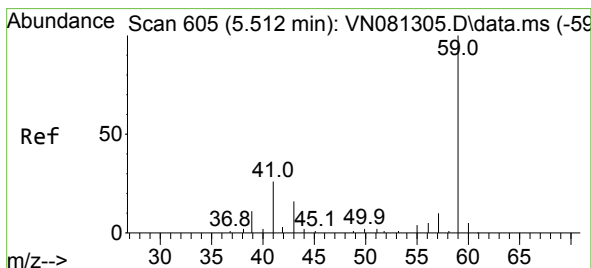
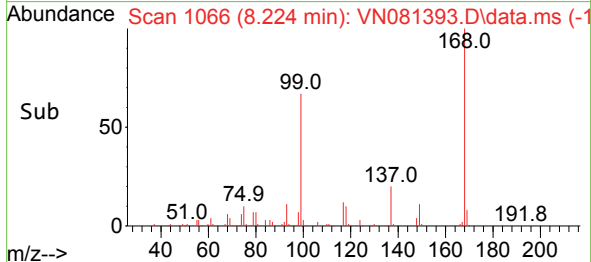
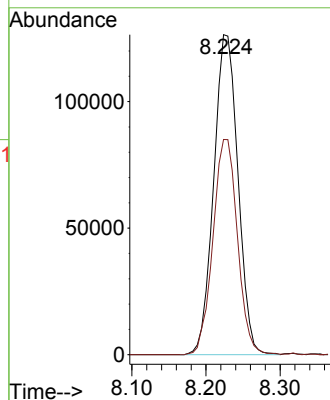
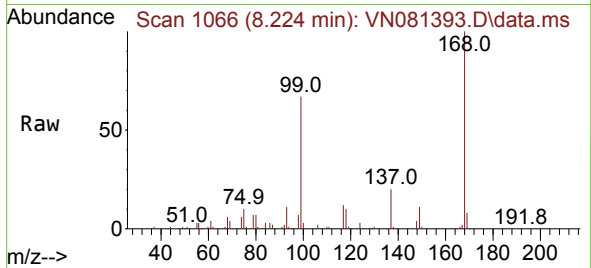




#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 8.224 min Scan# 1
Delta R.T. -0.000 min
Lab File: VN081393.D
Acq: 13 Mar 2024 14:43

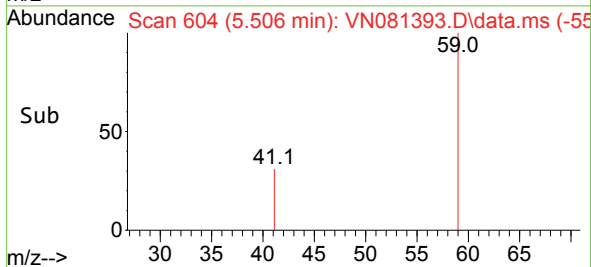
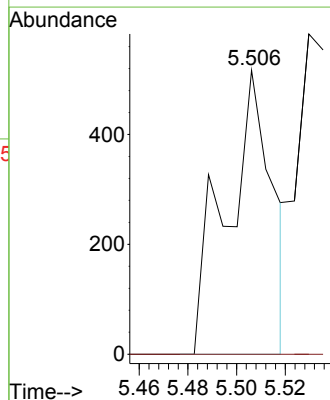
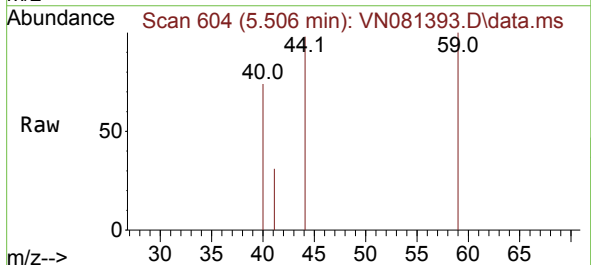
Instrument :
MSVOA_N
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WC-1

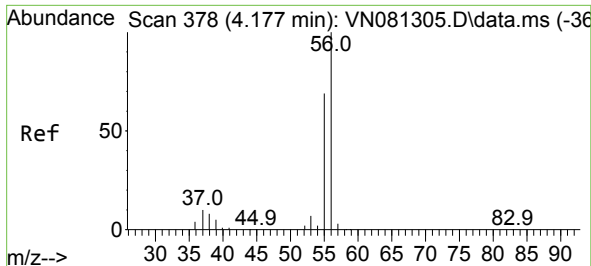
Tgt Ion:168 Resp: 287428
Ion Ratio Lower Upper
168 100
99 67.2 59.9 89.9



#11
Tert butyl alcohol
Concen: 0.933 ug/l
RT: 5.506 min Scan# 604
Delta R.T. -0.006 min
Lab File: VN081393.D
Acq: 13 Mar 2024 14:43

Tgt Ion: 59 Resp: 678
Ion Ratio Lower Upper
59 100
57 0.0 8.6 12.8#

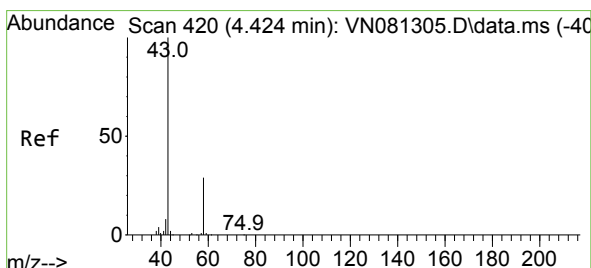
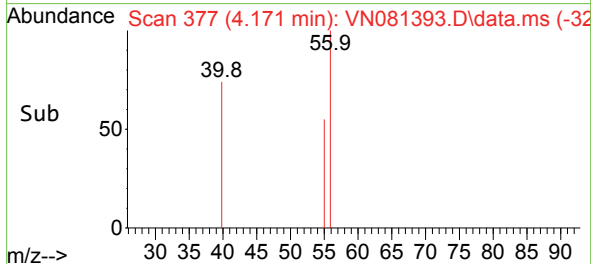
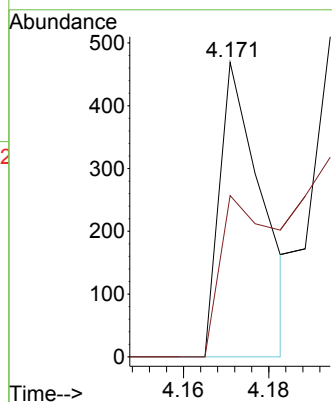
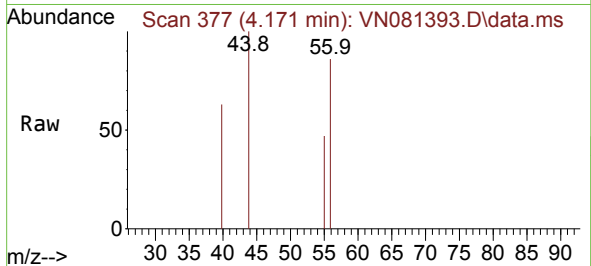




#13
Acrolein
Concen: 0.379 ug/l
RT: 4.171 min Scan# 31
Delta R.T. -0.006 min
Lab File: VN081393.D
Acq: 13 Mar 2024 14:43

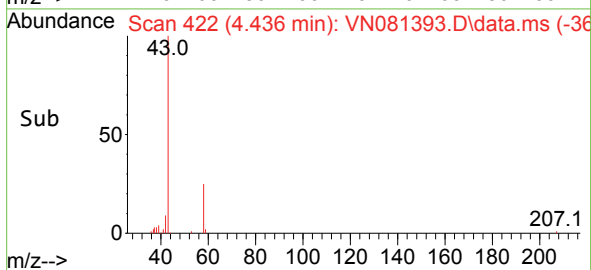
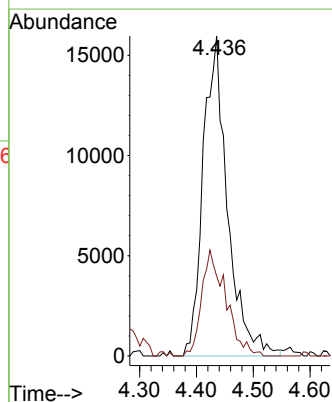
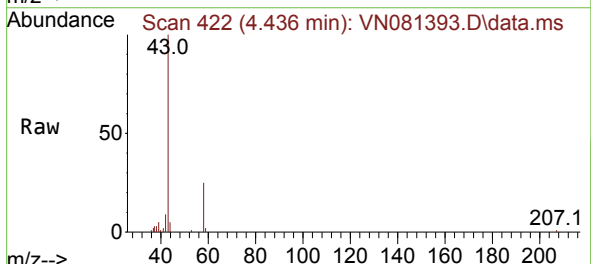
Instrument :
MSVOA_N
ClientSampleId :
WC-1

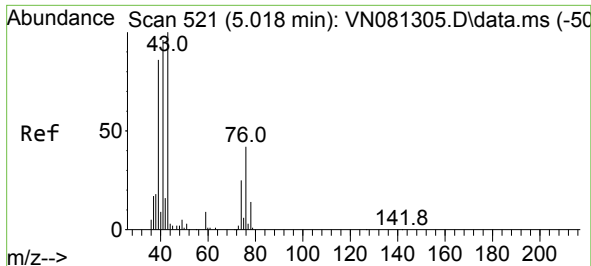
Tgt Ion: 56 Resp: 326
Ion Ratio Lower Upper
56 100
55 0.0 55.3 82.9#



#16
Acetone
Concen: 32.336 ug/l
RT: 4.436 min Scan# 422
Delta R.T. 0.012 min
Lab File: VN081393.D
Acq: 13 Mar 2024 14:43

Tgt Ion: 43 Resp: 47613
Ion Ratio Lower Upper
43 100
58 24.9 24.8 37.2

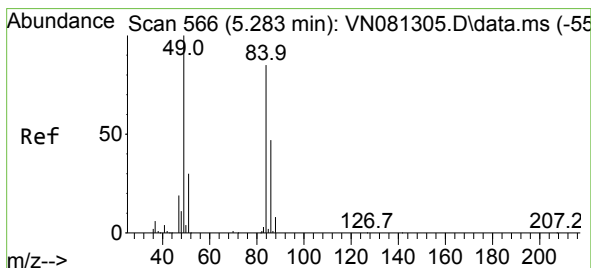
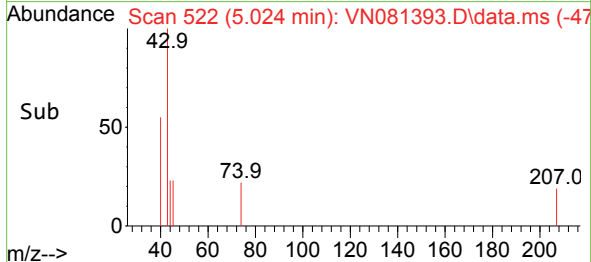
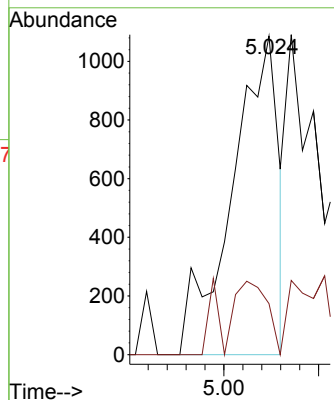
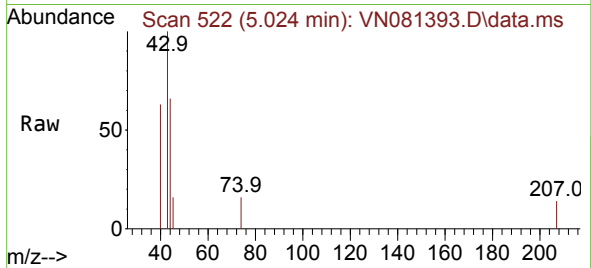




#18
Methyl Acetate
Concen: 0.439 ug/l
RT: 5.024 min Scan# 51
Delta R.T. 0.006 min
Lab File: VN081393.D
Acq: 13 Mar 2024 14:43

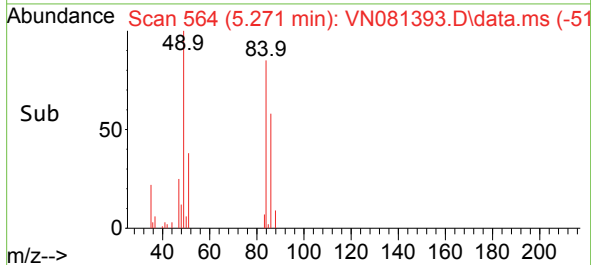
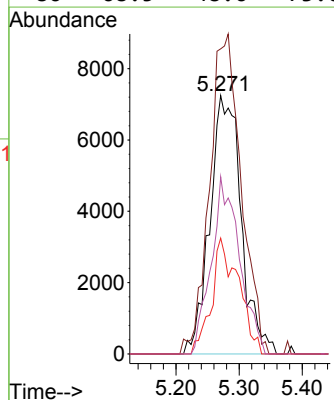
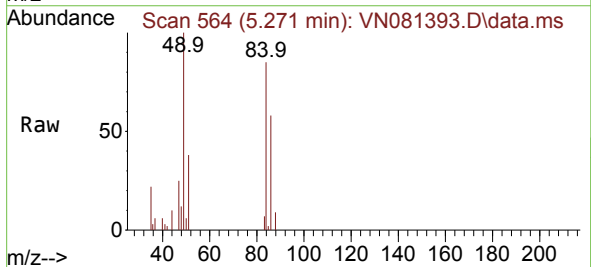
Instrument :
MSVOA_N
ClientSampleId :
WC-1

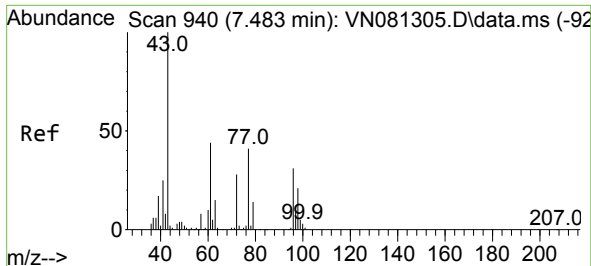
Tgt Ion: 43 Resp: 1850
Ion Ratio Lower Upper
43 100
74 16.4 17.3 25.9#



#20
Methylene Chloride
Concen: 6.139 ug/l
RT: 5.271 min Scan# 564
Delta R.T. -0.012 min
Lab File: VN081393.D
Acq: 13 Mar 2024 14:43

Tgt Ion: 84 Resp: 24902
Ion Ratio Lower Upper
84 100
49 118.1 108.1 162.1
51 44.8 32.9 49.3
86 68.5 48.6 73.0

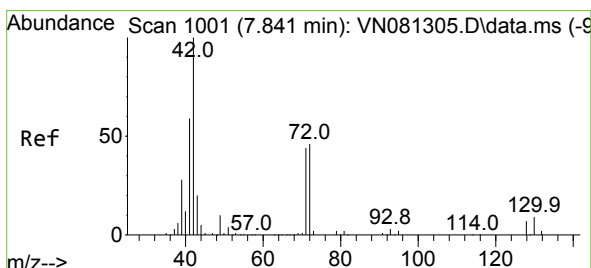
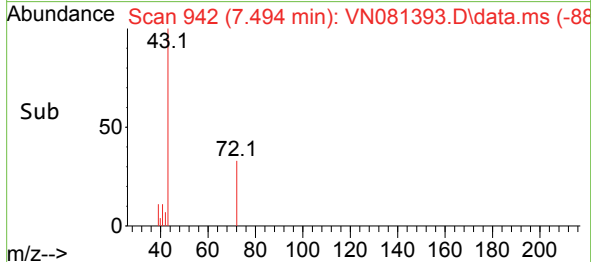
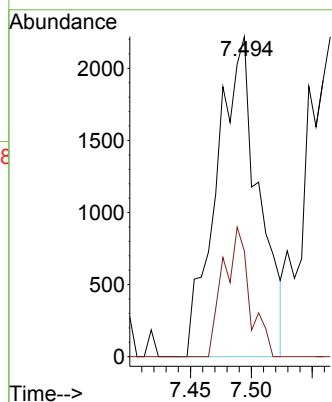
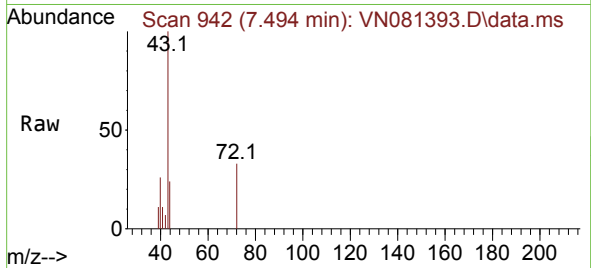




#25
2-Butanone
Concen: 2.171 ug/l
RT: 7.494 min Scan# 940
Delta R.T. 0.012 min
Lab File: VN081393.D
Acq: 13 Mar 2024 14:43

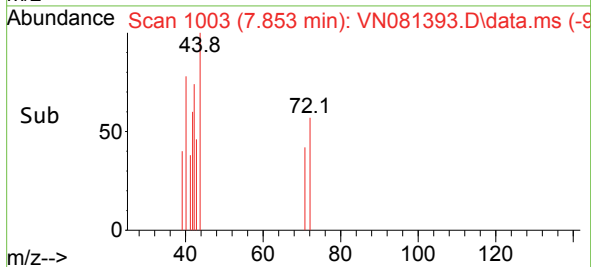
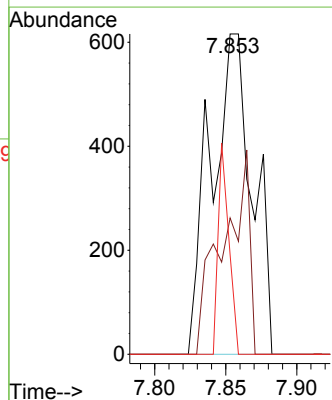
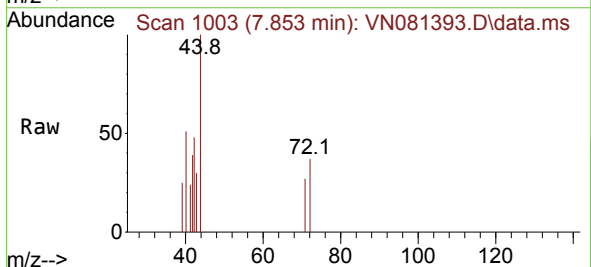
Instrument :
MSVOA_N
ClientSampleId :
WC-1

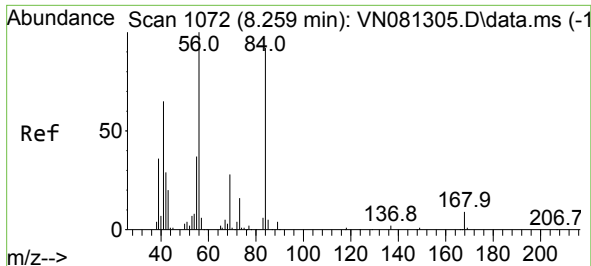
Tgt Ion: 43 Resp: 5354
Ion Ratio Lower Upper
43 100
72 33.0 19.5 29.3#



#29
Tetrahydrofuran
Concen: 0.746 ug/l
RT: 7.853 min Scan# 1003
Delta R.T. 0.012 min
Lab File: VN081393.D
Acq: 13 Mar 2024 14:43

Tgt Ion: 42 Resp: 1255
Ion Ratio Lower Upper
42 100
72 40.6 31.1 46.7
71 16.8 28.3 42.5#

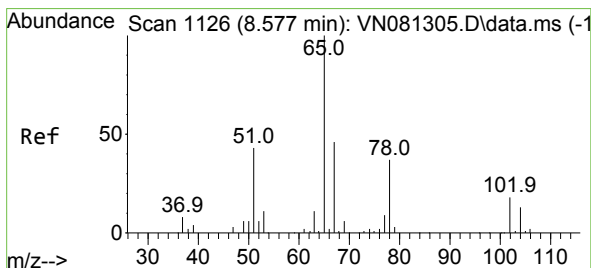
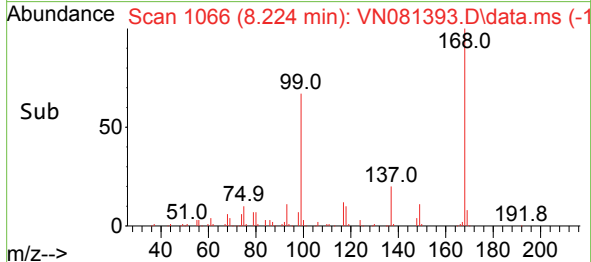
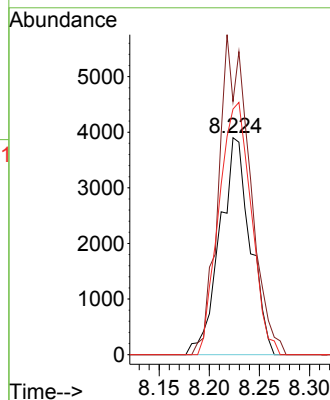
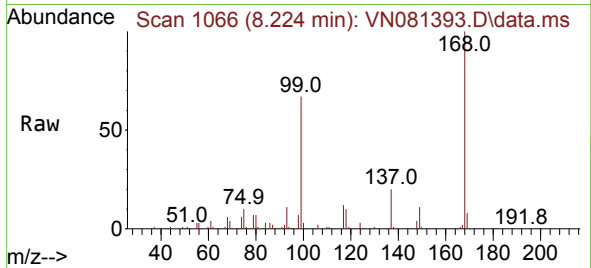




#31
Cyclohexane
Concen: 1.312 ug/l
RT: 8.224 min Scan# 1066
Delta R.T. -0.035 min
Lab File: VN081393.D
Acq: 13 Mar 2024 14:43

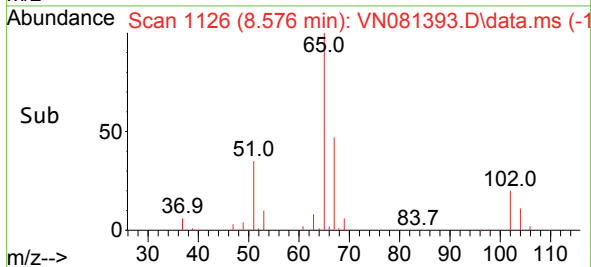
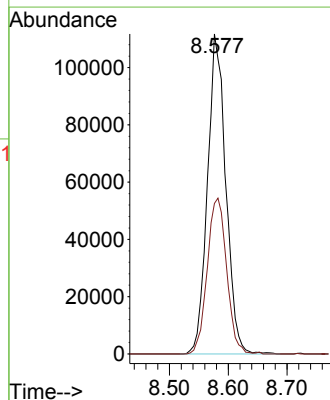
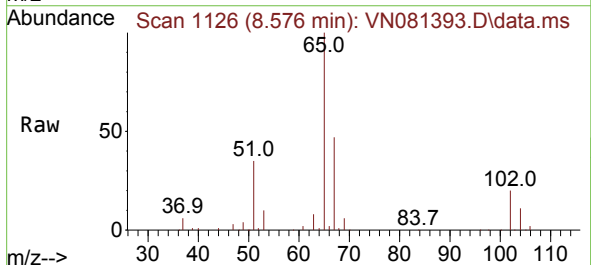
Instrument :
MSVOA_N
ClientSampleId :
WC-1

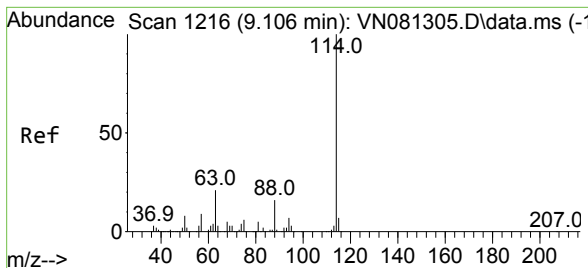
Tgt Ion: 56 Resp: 8253
Ion Ratio Lower Upper
56 100
69 116.7 20.1 30.1#
84 113.2 56.9 85.3#



#33
1,2-Dichloroethane-d4
Concen: 58.292 ug/l
RT: 8.576 min Scan# 1126
Delta R.T. -0.000 min
Lab File: VN081393.D
Acq: 13 Mar 2024 14:43

Tgt Ion: 65 Resp: 242254
Ion Ratio Lower Upper
65 100
67 51.7 0.0 102.4





#34

1,4-Difluorobenzene

Concen: 50.000 ug/l

RT: 9.100 min Scan# 1

Delta R.T. -0.006 min

Lab File: VN081393.D

Acq: 13 Mar 2024 14:43

Instrument :

MSVOA_N

ClientSampleId :

WC-1

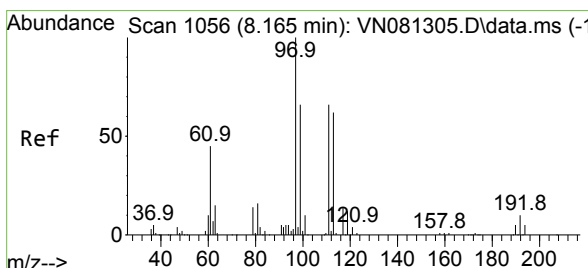
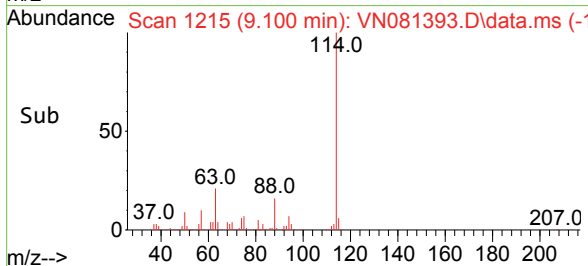
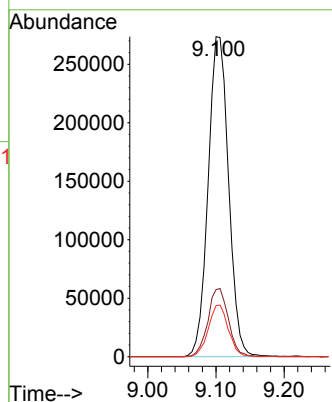
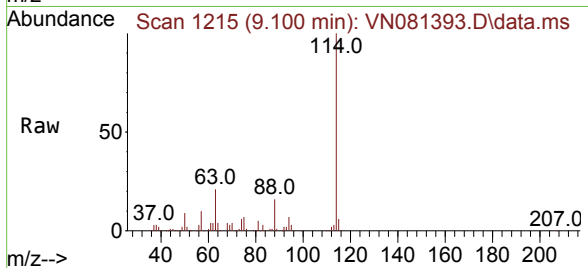
Tgt Ion:114 Resp: 571589

Ion Ratio Lower Upper

114 100

63 20.9 0.0 48.0

88 15.9 0.0 34.8



#35

Dibromofluoromethane

Concen: 51.685 ug/l

RT: 8.165 min Scan# 1056

Delta R.T. -0.000 min

Lab File: VN081393.D

Acq: 13 Mar 2024 14:43

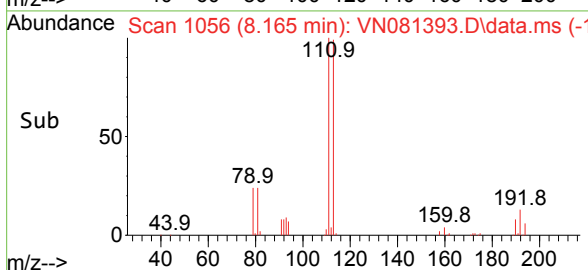
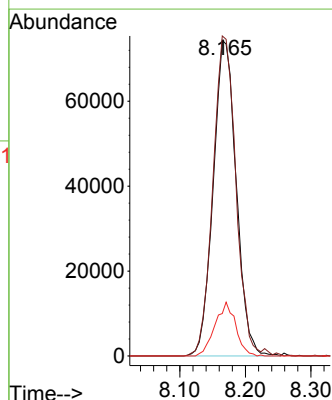
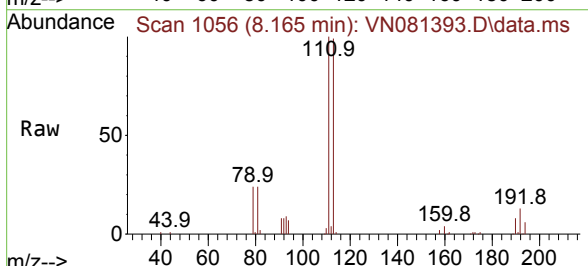
Tgt Ion:113 Resp: 180997

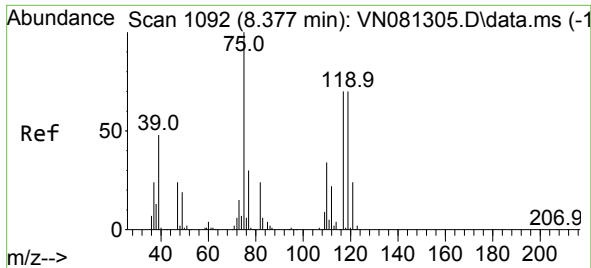
Ion Ratio Lower Upper

113 100

111 101.6 82.2 123.4

192 15.4 12.5 18.7

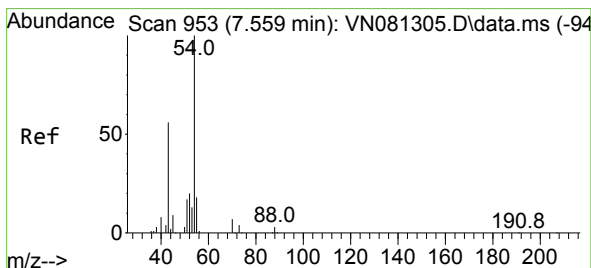
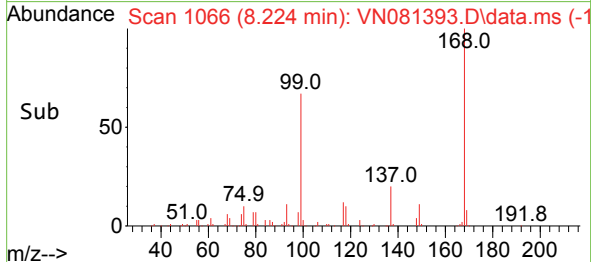
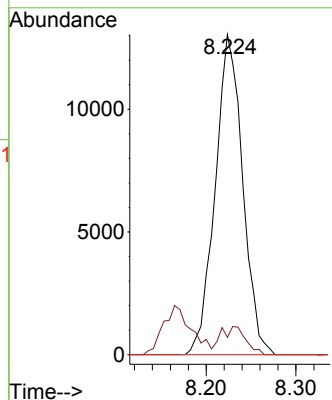
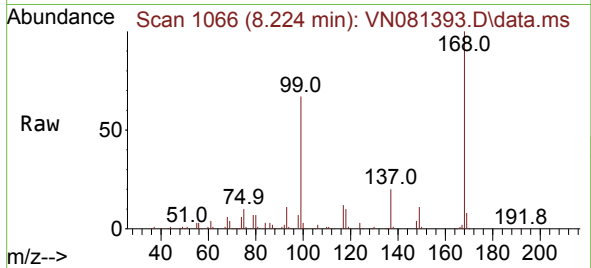




#36
1,1-Dichloropropene
Concen: 4.908 ug/l
RT: 8.224 min Scan# 1066
Delta R.T. -0.153 min
Lab File: VN081393.D
Acq: 13 Mar 2024 14:43

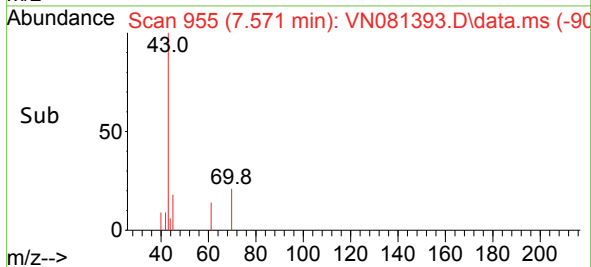
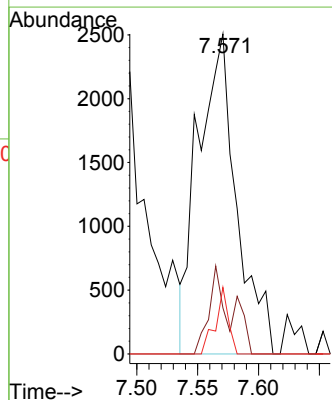
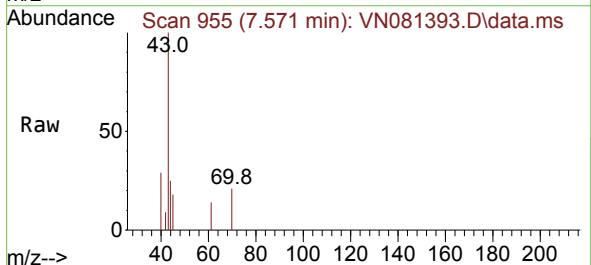
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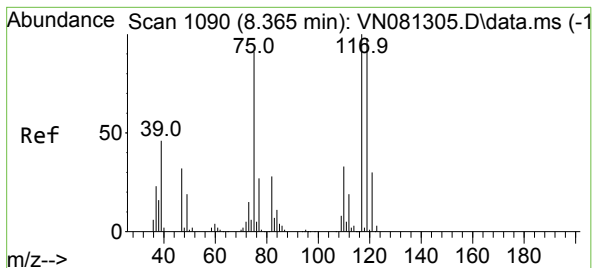
Tgt Ion: 75 Resp: 27730
Ion Ratio Lower Upper
75 100
110 7.9 16.0 48.0#
77 0.0 25.8 38.6#



#37
Ethyl Acetate
Concen: 0.994 ug/l
RT: 7.571 min Scan# 955
Delta R.T. 0.012 min
Lab File: VN081393.D
Acq: 13 Mar 2024 14:43

Tgt Ion: 43 Resp: 5489
Ion Ratio Lower Upper
43 100
61 10.7 10.6 15.8
70 7.1 8.0 12.0#





#38

Carbon Tetrachloride

Concen: 6.051 ug/l

RT: 8.224 min Scan# 1066

Delta R.T. -0.141 min

Lab File: VN081393.D

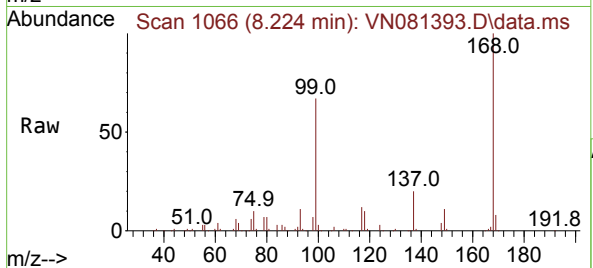
Acq: 13 Mar 2024 14:43

Instrument :

MSVOA_N

ClientSampleId :

WC-1



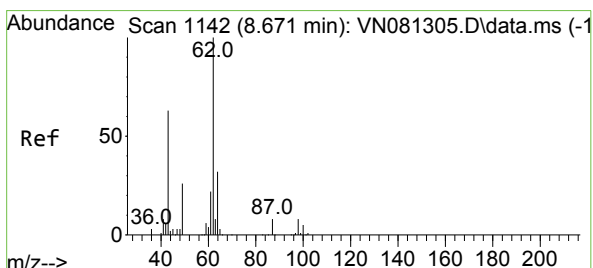
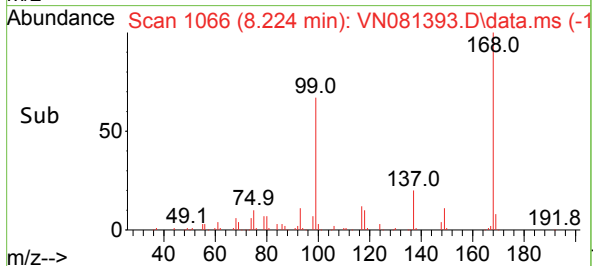
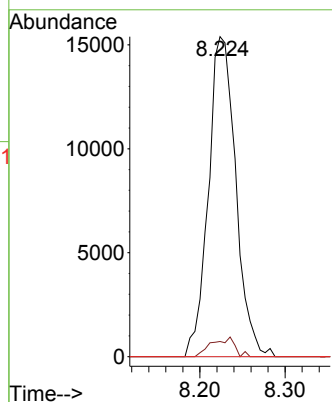
Tgt Ion:117 Resp: 34406

Ion Ratio Lower Upper

117 100

119 4.8 73.4 110.2#

121 0.0 24.4 36.6#



#42

1,2-Dichloroethane

Concen: 0.379 ug/l

RT: 8.677 min Scan# 1143

Delta R.T. 0.006 min

Lab File: VN081393.D

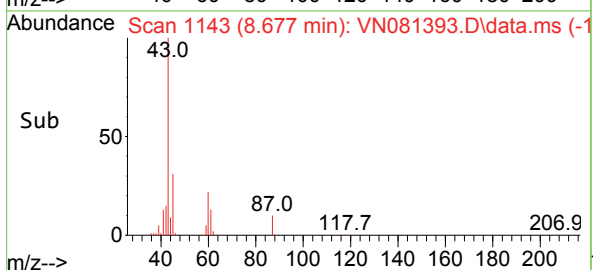
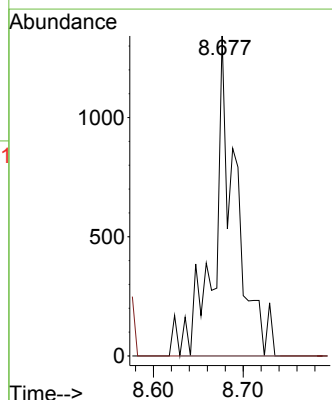
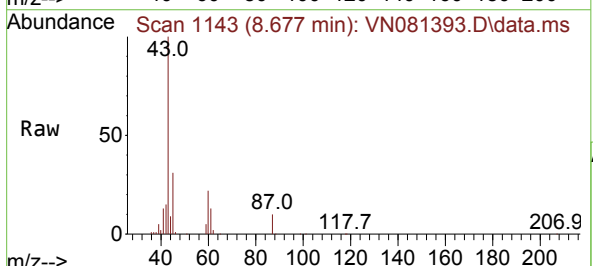
Acq: 13 Mar 2024 14:43

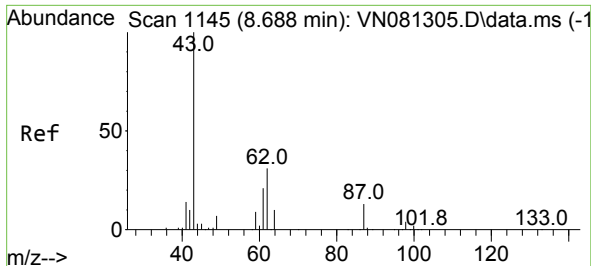
Tgt Ion: 62 Resp: 2251

Ion Ratio Lower Upper

62 100

98 0.0 0.0 18.0

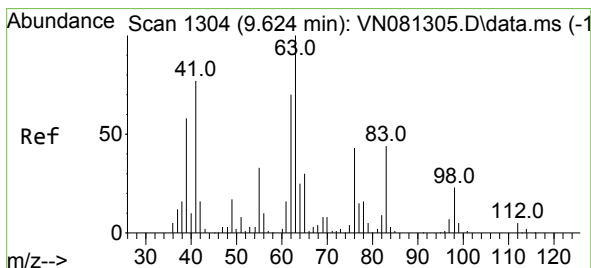
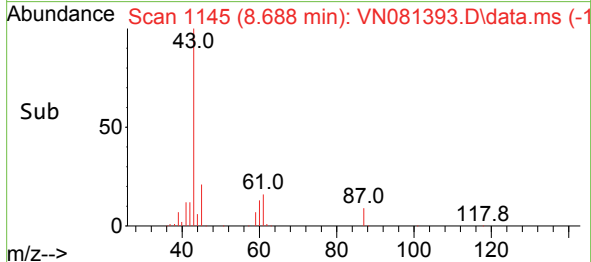
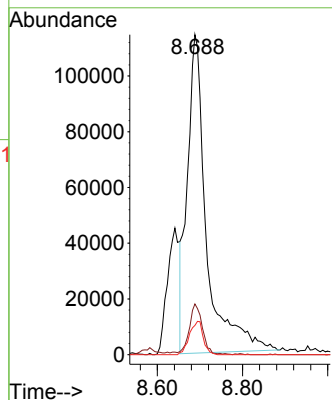
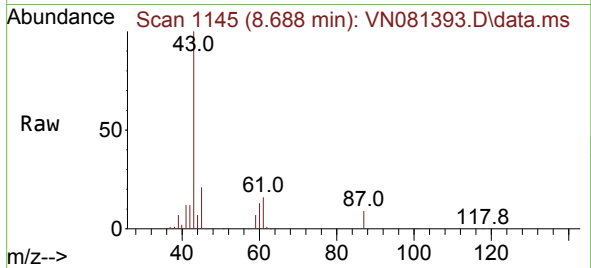




#43
Isopropyl Acetate
Concen: 37.014 ug/l
RT: 8.688 min Scan# 1145
Delta R.T. -0.000 min
Lab File: VN081393.D
Acq: 13 Mar 2024 14:43

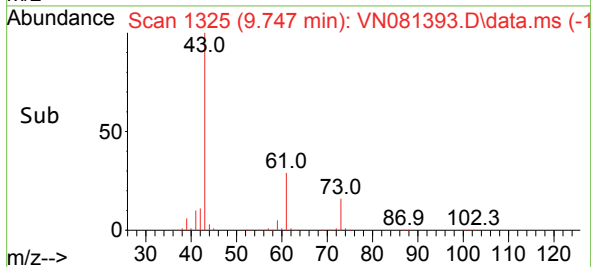
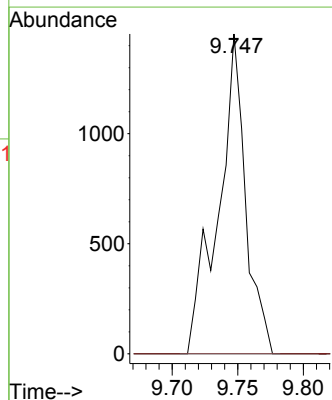
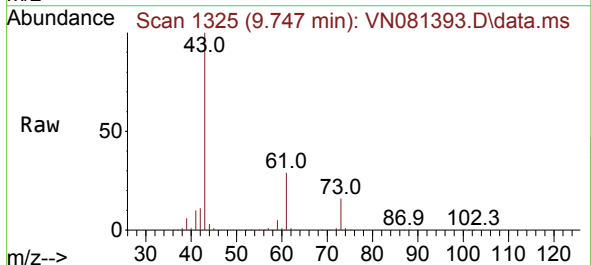
Instrument :
MSVOA_N
ClientSampleId :
WC-1

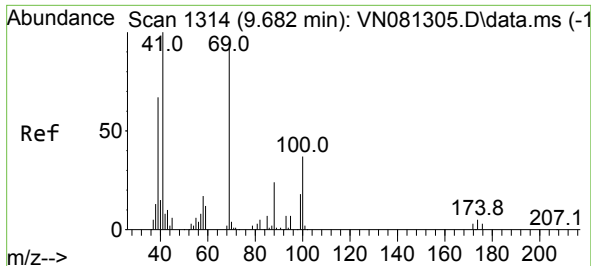
Tgt Ion: 43 Resp: 357795
Ion Ratio Lower Upper
43 100
61 11.4 19.9 29.9#
87 7.5 9.0 13.6#



#45
1,2-Dichloropropane
Concen: 0.499 ug/l
RT: 9.747 min Scan# 1325
Delta R.T. 0.123 min
Lab File: VN081393.D
Acq: 13 Mar 2024 14:43

Tgt Ion: 63 Resp: 2112
Ion Ratio Lower Upper
63 100
65 0.0 26.1 39.1#

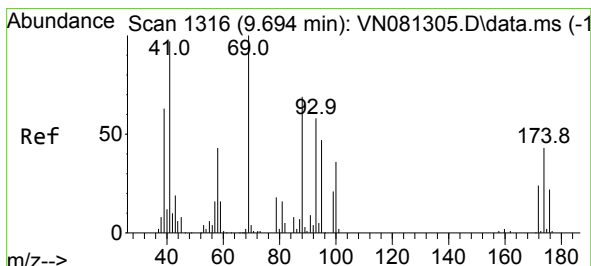
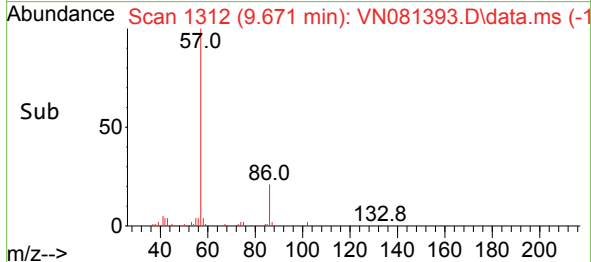
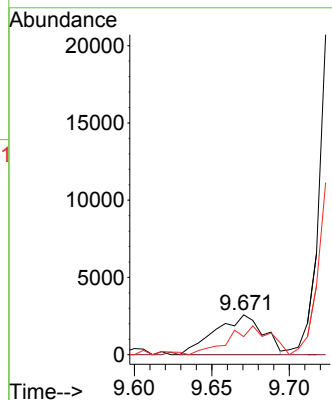
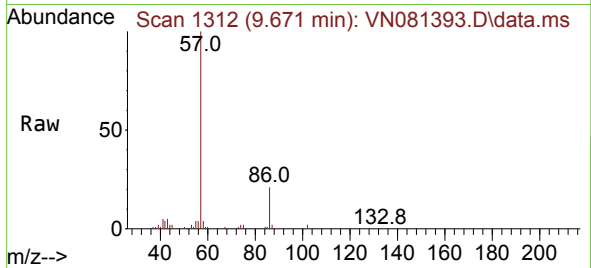




#48
Methyl methacrylate
Concen: 1.294 ug/l
RT: 9.671 min Scan# 11
Delta R.T. -0.012 min
Lab File: VN081393.D
Acq: 13 Mar 2024 14:43

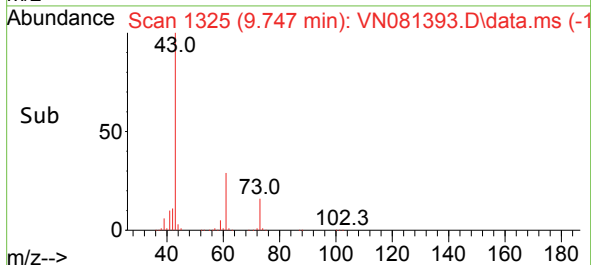
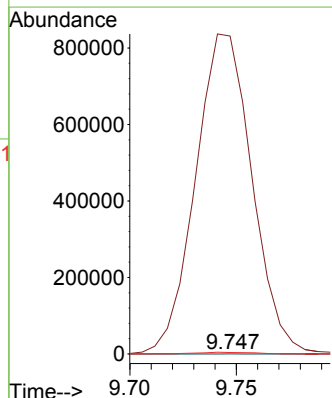
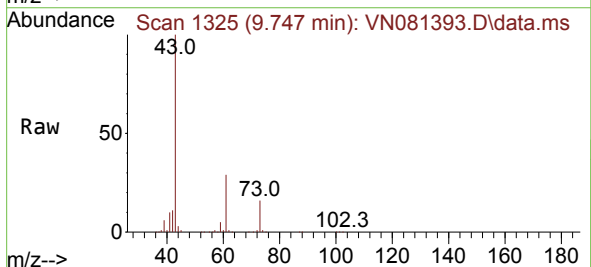
Instrument :
MSVOA_N
ClientSampleId :
WC-1

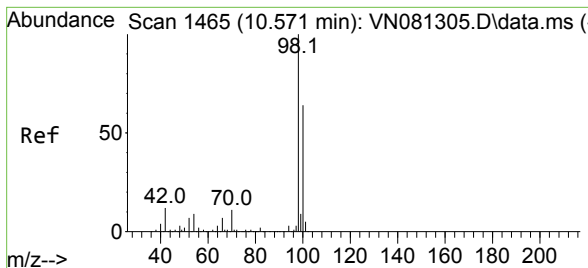
Tgt Ion: 41 Resp: 5527
Ion Ratio Lower Upper
41 100
69 0.0 62.2 93.2#
39 62.5 47.6 71.4



#49
1,4-Dioxane
Concen: 4.205 ug/l
RT: 9.747 min Scan# 1325
Delta R.T. 0.053 min
Lab File: VN081393.D
Acq: 13 Mar 2024 14:43

Tgt Ion: 88 Resp: 396
Ion Ratio Lower Upper
88 100
43 391034.6 30.1 45.1#
58 2177.3 63.9 95.9#





#50

Toluene-d8

Concen: 50.653 ug/l

RT: 10.570 min Scan# 1465

Delta R.T. -0.000 min

Lab File: VN081393.D

Acq: 13 Mar 2024 14:43

Instrument :

MSVOA_N

ClientSampleId :

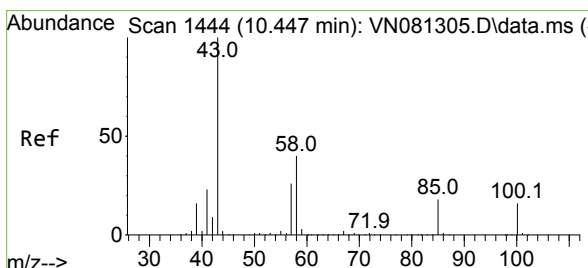
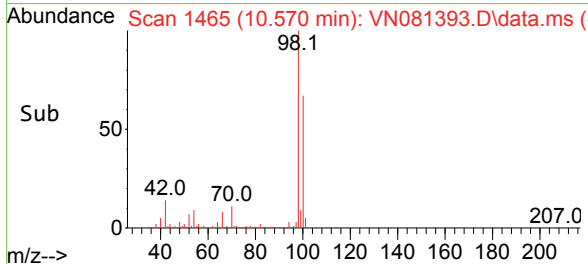
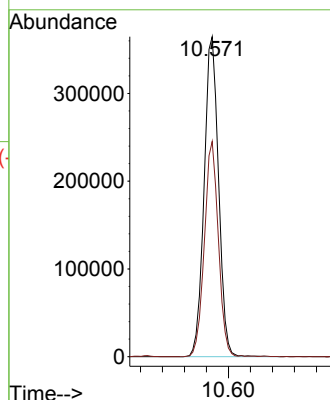
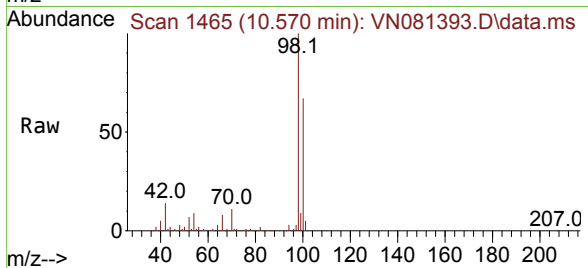
WC-1

Tgt Ion: 98 Resp: 663105

Ion Ratio Lower Upper

98 100

100 65.3 51.4 77.0



#51

4-Methyl-2-Pentanone

Concen: 1.406 ug/l

RT: 10.453 min Scan# 1445

Delta R.T. 0.006 min

Lab File: VN081393.D

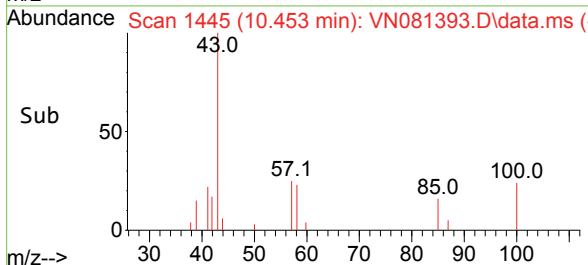
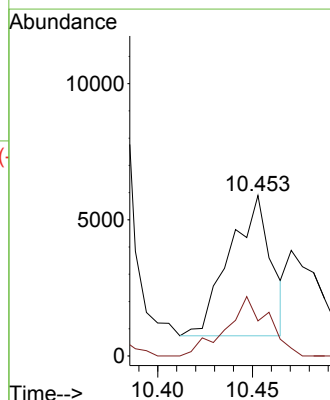
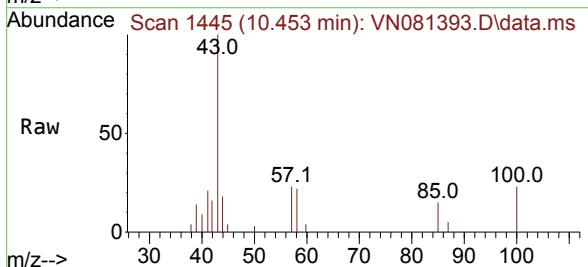
Acq: 13 Mar 2024 14:43

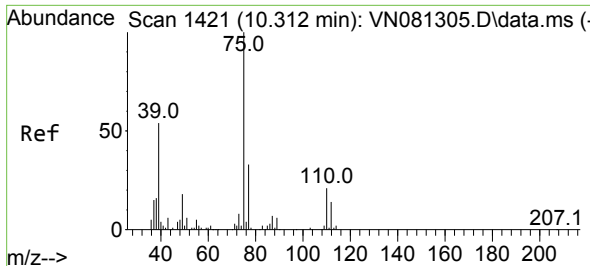
Tgt Ion: 43 Resp: 7894

Ion Ratio Lower Upper

43 100

58 42.7 29.4 44.0

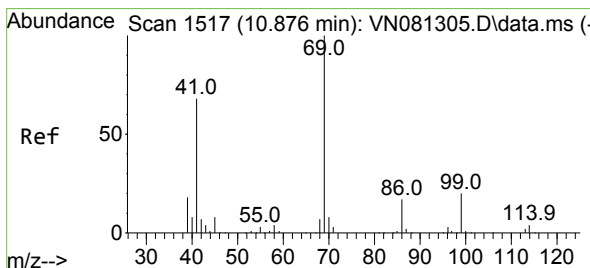
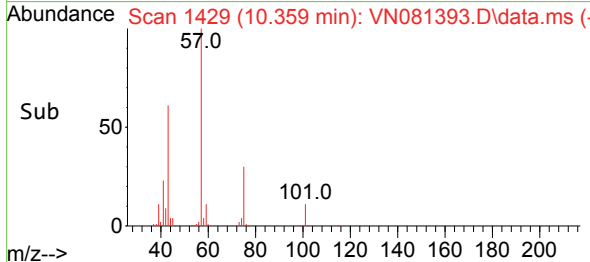
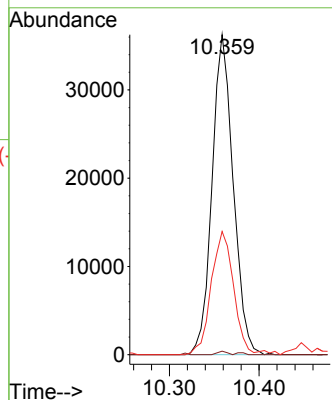
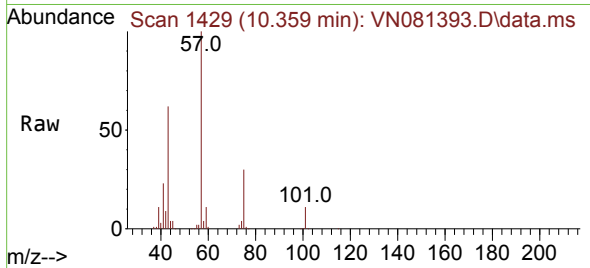




#54
 cis-1,3-Dichloropropene
 Concen: 8.776 ug/l
 RT: 10.359 min Scan# 1429
 Delta R.T. 0.047 min
 Lab File: VN081393.D
 Acq: 13 Mar 2024 14:43

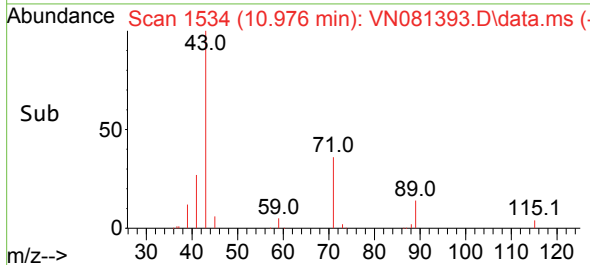
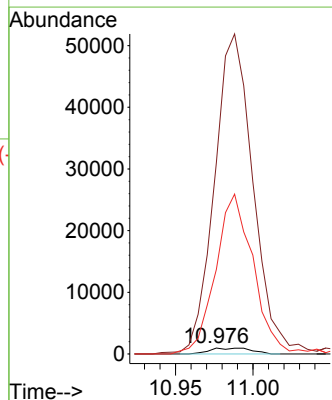
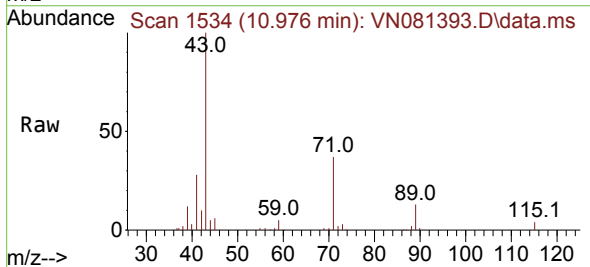
Instrument :
 MSVOA_N
 ClientSampleId :
 WC-1

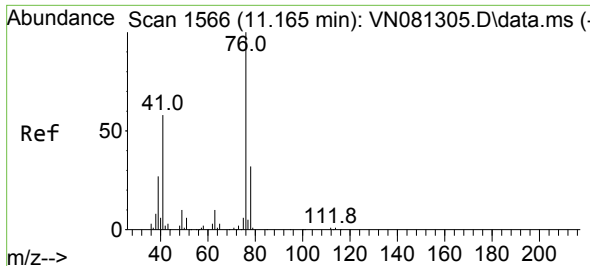
Tgt Ion: 75 Resp: 59423
 Ion Ratio Lower Upper
 75 100
 77 1.1 23.3 34.9#
 39 38.5 44.6 66.8#



#56
 Ethyl methacrylate
 Concen: 0.307 ug/l
 RT: 10.976 min Scan# 1534
 Delta R.T. 0.100 min
 Lab File: VN081393.D
 Acq: 13 Mar 2024 14:43

Tgt Ion: 69 Resp: 1779
 Ion Ratio Lower Upper
 69 100
 41 5076.9 61.0 91.6#
 39 2459.2 31.8 47.6#





#57

1,3-Dichloropropane

Concen: 1.132 ug/l

RT: 11.212 min Scan# 1574

Delta R.T. 0.047 min

Lab File: VN081393.D

Acq: 13 Mar 2024 14:43

Instrument :

MSVOA_N

ClientSampleId :

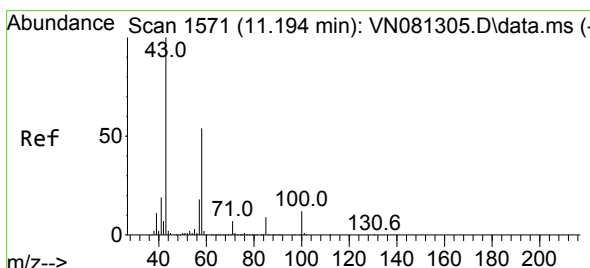
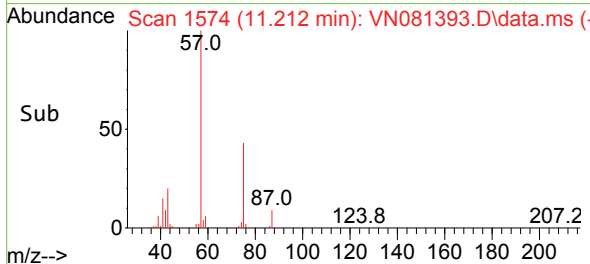
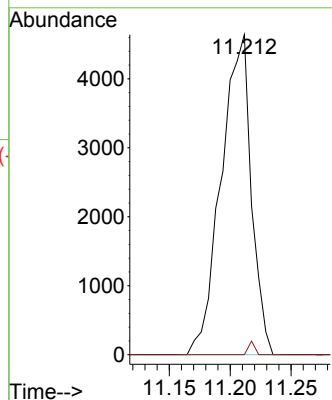
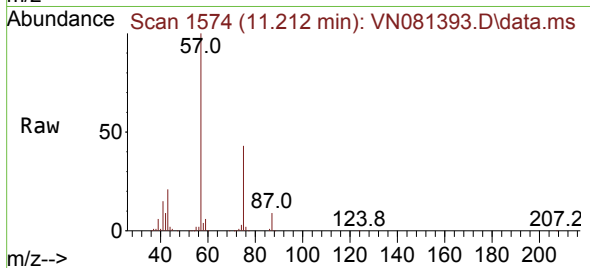
WC-1

Tgt Ion: 76 Resp: 7980

Ion Ratio Lower Upper

76 100

78 0.9 25.5 38.3#



#59

2-Hexanone

Concen: 33.715 ug/l

RT: 11.170 min Scan# 1567

Delta R.T. -0.024 min

Lab File: VN081393.D

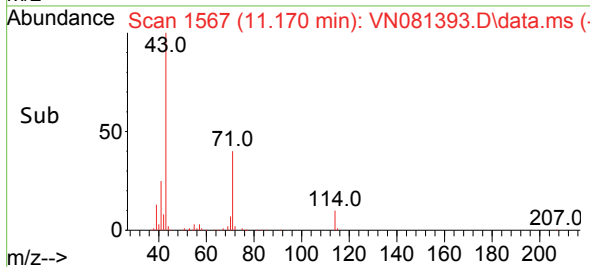
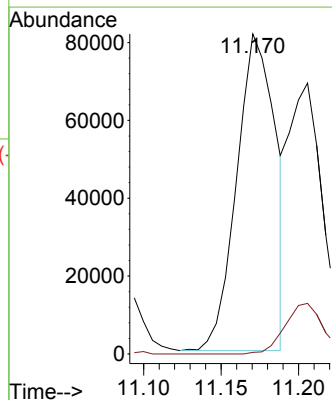
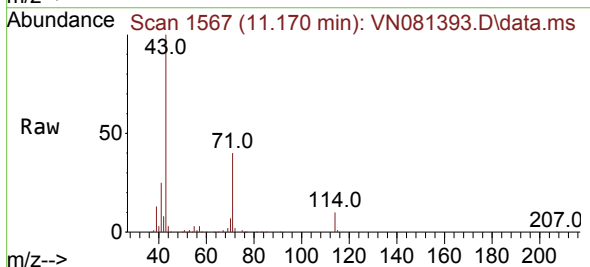
Acq: 13 Mar 2024 14:43

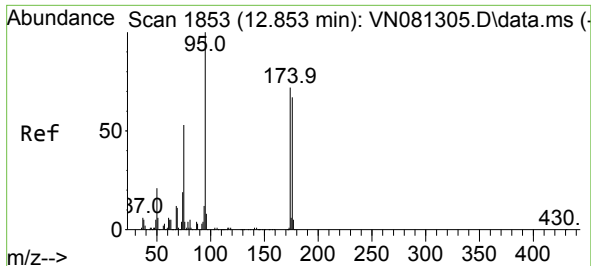
Tgt Ion: 43 Resp: 141471

Ion Ratio Lower Upper

43 100

58 0.0 25.9 77.8#

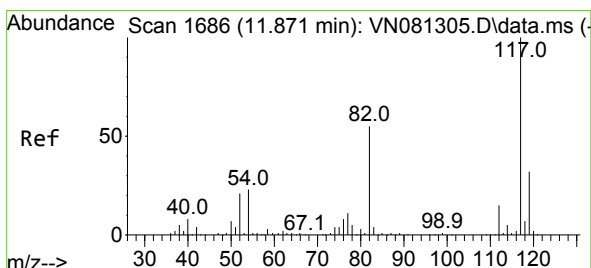
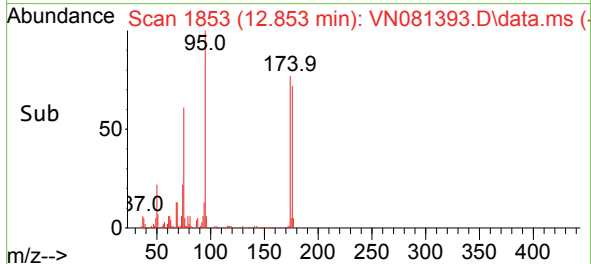
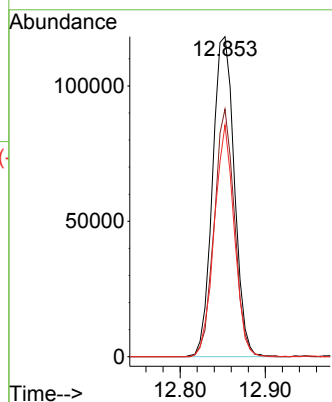
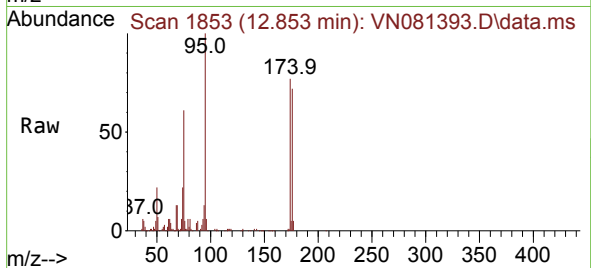




#62
4-Bromofluorobenzene
Concen: 45.405 ug/l
RT: 12.853 min Scan# 1853
Delta R.T. -0.000 min
Lab File: VN081393.D
Acq: 13 Mar 2024 14:43

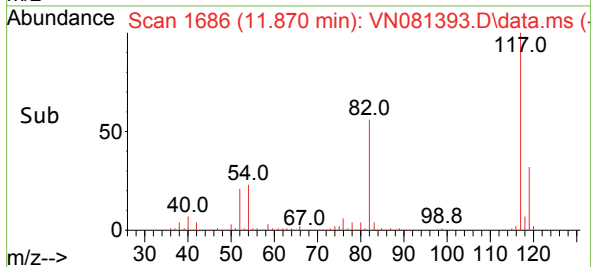
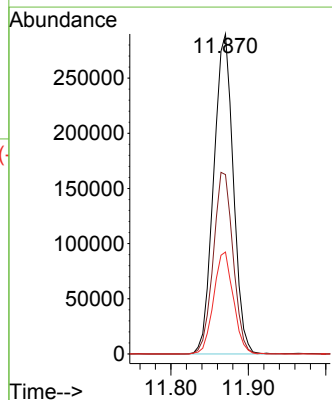
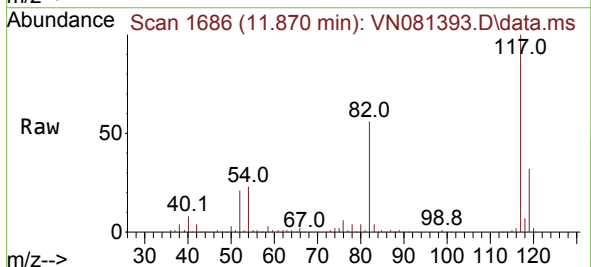
Instrument :
MSVOA_N
ClientSampleId :
WC-1

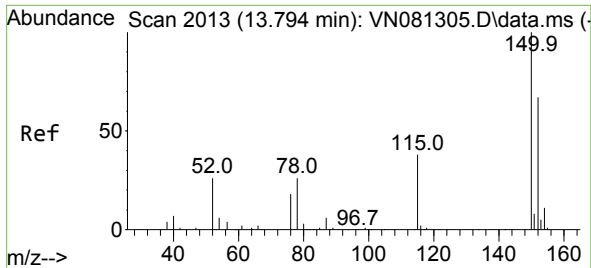
Tgt Ion: 95 Resp: 210085
Ion Ratio Lower Upper
95 100
174 72.1 0.0 120.4
176 66.4 0.0 121.0



#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.870 min Scan# 1686
Delta R.T. -0.000 min
Lab File: VN081393.D
Acq: 13 Mar 2024 14:43

Tgt Ion: 117 Resp: 511868
Ion Ratio Lower Upper
117 100
82 56.1 52.7 79.1
119 31.9 25.3 37.9

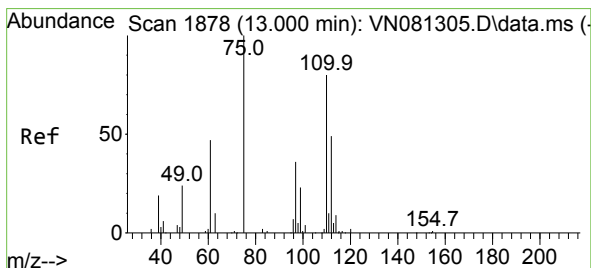
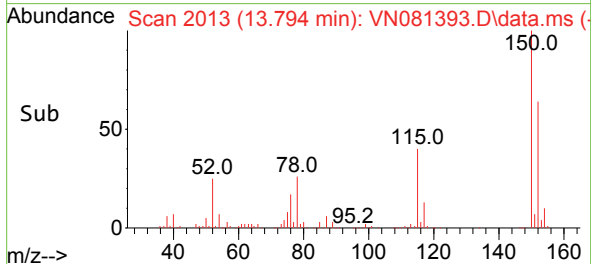
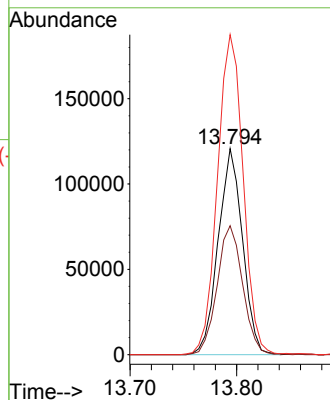
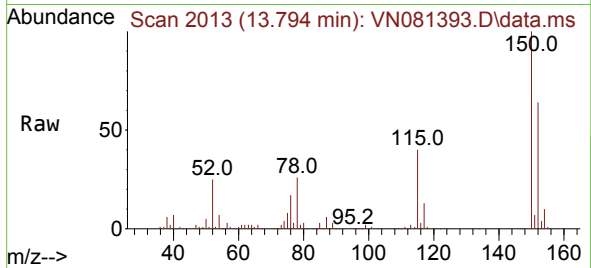




#72
 1,4-Dichlorobenzene-d4
 Concen: 50.000 ug/l
 RT: 13.794 min Scan# 2013
 Delta R.T. -0.000 min
 Lab File: VN081393.D
 Acq: 13 Mar 2024 14:43

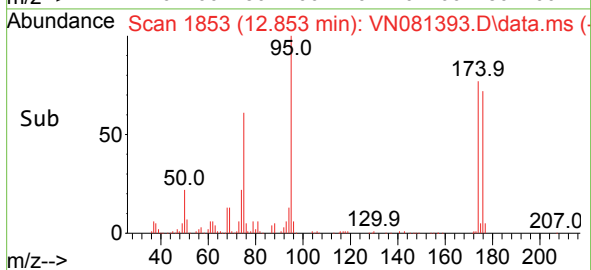
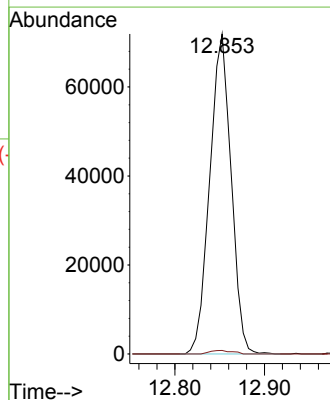
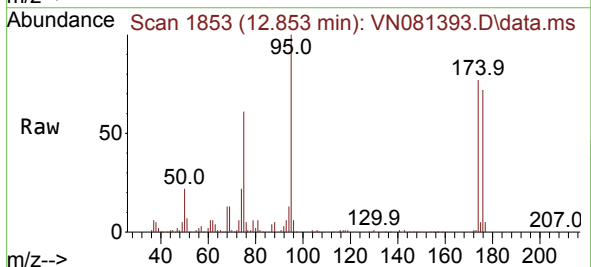
Instrument :
 MSVOA_N
 ClientSampleId :
 WC-1

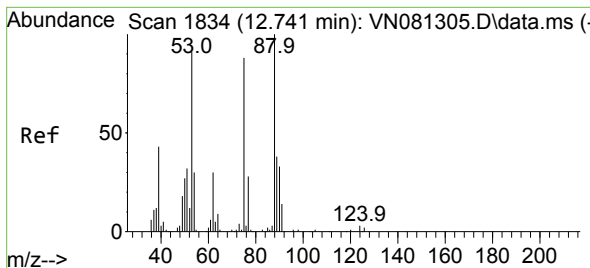
Tgt Ion:152 Resp: 191366
 Ion Ratio Lower Upper
 152 100
 115 65.7 32.3 96.8
 150 164.3 0.0 339.8



#76
 1,2,3-Trichloropropane
 Concen: 26.313 ug/l
 RT: 12.853 min Scan# 1853
 Delta R.T. -0.147 min
 Lab File: VN081393.D
 Acq: 13 Mar 2024 14:43

Tgt Ion: 75 Resp: 118934
 Ion Ratio Lower Upper
 75 100
 77 1.2 91.0 272.8#

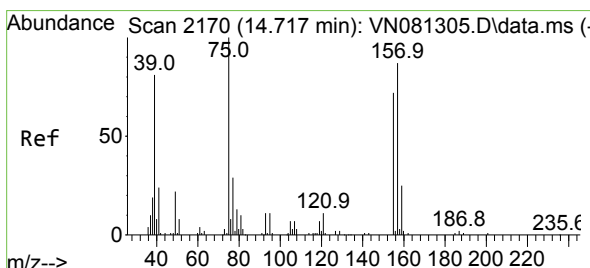
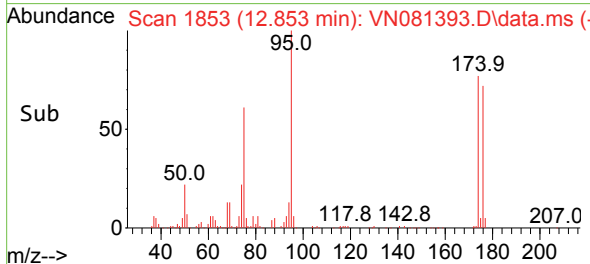
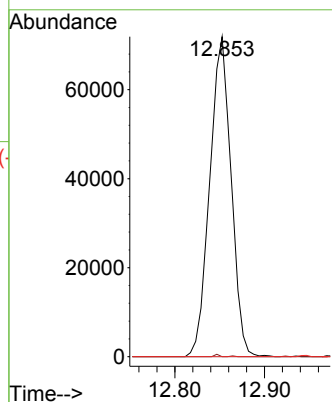
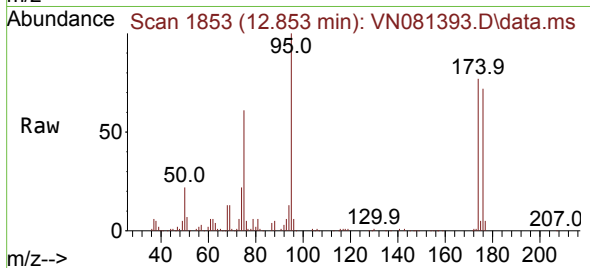




#81
 trans-1,4-Dichloro-2-butene
 Concen: 73.434 ug/l
 RT: 12.853 min Scan# 118934
 Delta R.T. 0.112 min
 Lab File: VN081393.D
 Acq: 13 Mar 2024 14:43

Instrument :
 MSVOA_N
 ClientSampleId :
 WC-1

Tgt Ion: 75 Resp: 118934
 Ion Ratio Lower Upper
 75 100
 53 0.2 71.4 107.2#
 89 0.0 33.4 50.0#



#92
 1,2-Dibromo-3-Chloropropane
 Concen: 0.972 ug/l
 RT: 14.711 min Scan# 2169
 Delta R.T. -0.006 min
 Lab File: VN081393.D
 Acq: 13 Mar 2024 14:43

Tgt Ion: 75 Resp: 992
 Ion Ratio Lower Upper
 75 100
 155 0.0 31.8 95.4#
 157 0.0 41.1 123.4#

