

Data Path : Z:\voasrv\HPCHEM1\MSVOA_N\Data\VN020524\
 Data File : VN080907.D
 Acq On : 05 Feb 2024 19:26
 Operator : JC\MD
 Sample : P1366-04
 Misc : 5.0mL/MSVOA_N/WATER
 ALS Vial : 18 Sample Multiplier: 1

Instrument :
 MSVOA_N
 ClientSampleId :
 EB-1-0-2

Quant Time: Feb 06 04:47:42 2024
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_N\methods\82N012924W.M
 Quant Title : SW846 8260
 QLast Update : Mon Jan 29 12:54:23 2024
 Response via : Initial Calibration

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

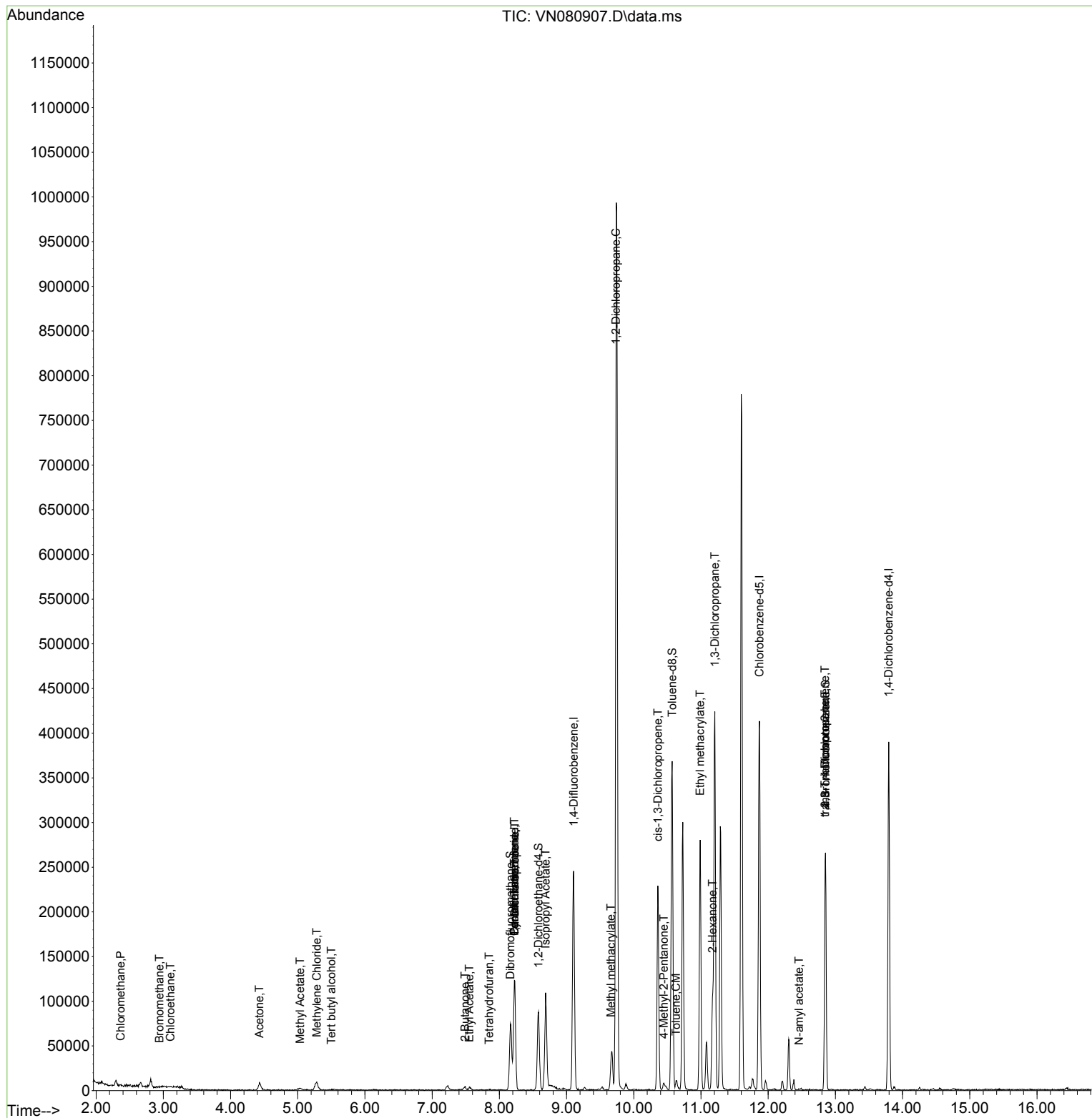
Internal Standards						
1) Pentafluorobenzene	8.224	168	78342	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	9.106	114	189672	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.870	117	212569	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.794	152	84389	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.582	65	68634	50.641	ug/l	0.00
Spiked Amount 50.000	Range 74 - 125		Recovery = 101.280%			
35) Dibromofluoromethane	8.165	113	49587	42.732	ug/l	0.00
Spiked Amount 50.000	Range 75 - 124		Recovery = 85.460%			
50) Toluene-d8	10.571	98	233444	51.399	ug/l	0.00
Spiked Amount 50.000	Range 86 - 113		Recovery = 102.800%			
62) 4-Bromofluorobenzene	12.853	95	89360	56.461	ug/l	0.00
Spiked Amount 50.000	Range 83 - 123		Recovery = 112.920%			
Target Compounds					Qvalue	
3) Chloromethane	2.365	50	1531	0.875	ug/l	94
5) Bromomethane	2.942	94	149	0.280	ug/l #	6
6) Chloroethane	3.106	64	540	0.762	ug/l #	42
11) Tert butyl alcohol	5.500	59	78	0.353	ug/l #	72
16) Acetone	4.430	43	14914	30.342	ug/l #	77
18) Methyl Acetate	5.036	43	5002	2.920	ug/l #	58
20) Methylene Chloride	5.283	84	6663	5.164	ug/l	92
25) 2-Butanone	7.488	43	5423	5.809	ug/l	92
29) Tetrahydrofuran	7.847	42	365	0.578	ug/l #	38
31) Cyclohexane	8.224	56	2918	1.256	ug/l #	1
36) 1,1-Dichloropropene	8.230	75	8943	4.146	ug/l #	52
37) Ethyl Acetate	7.553	43	4885	2.200	ug/l #	94
38) Carbon Tetrachloride	8.224	117	9536	5.487	ug/l #	18
43) Isopropyl Acetate	8.688	43	122142	30.215	ug/l #	89
45) 1,2-Dichloropropane	9.735	63	1245	0.726	ug/l #	42
48) Methyl methacrylate	9.659	41	3750	1.914	ug/l #	47
51) 4-Methyl-2-Pentanone	10.447	43	9933	4.396	ug/l #	73
52) Toluene	10.629	92	3861	1.062	ug/l	85
54) cis-1,3-Dichloropropene	10.359	75	35475	13.563	ug/l #	66
56) Ethyl methacrylate	10.988	69	882	0.411	ug/l #	1
57) 1,3-Dichloropropane	11.206	76	3959	1.506	ug/l #	43
59) 2-Hexanone	11.171	43	100610	57.317	ug/l #	26
74) N-amyl acetate	12.459	43	996	0.208	ug/l #	46
76) 1,2,3-Trichloropropane	12.847	75	52934	20.798	ug/l #	1
81) trans-1,4-Dichloro-2-b...	12.847	75	52934	53.579	ug/l #	14

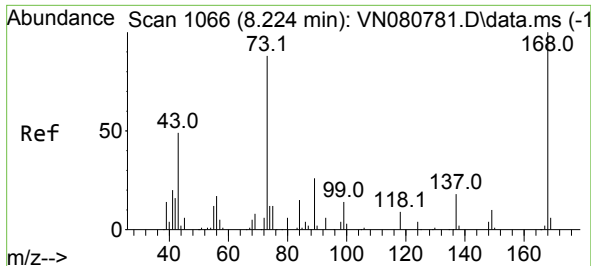
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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Quant Title : SW846 8260
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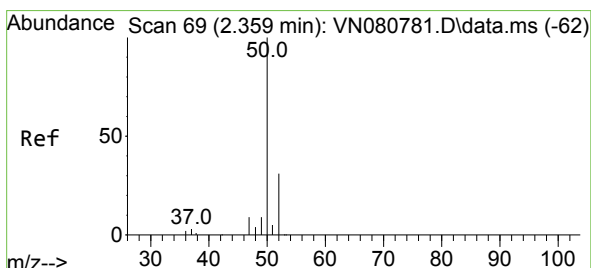
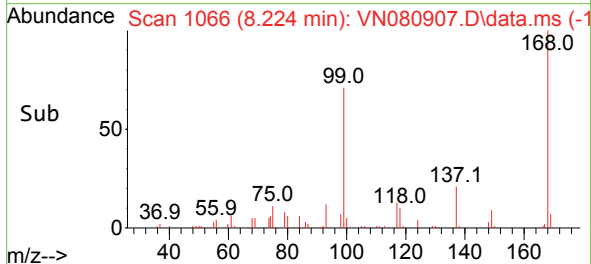
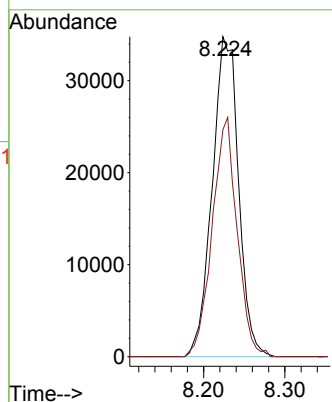
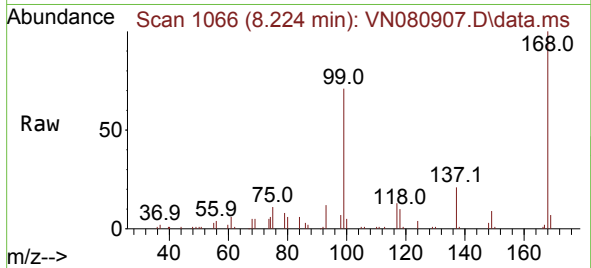




#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 8.224 min Scan# 1066
Delta R.T. -0.000 min
Lab File: VN080907.D
Acq: 05 Feb 2024 19:26

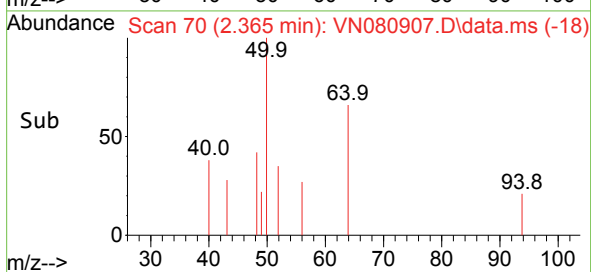
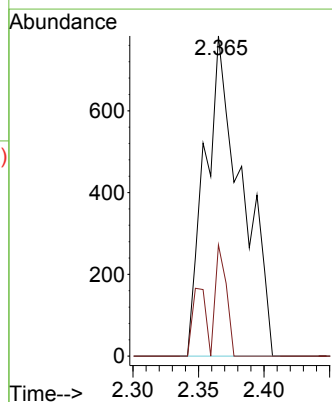
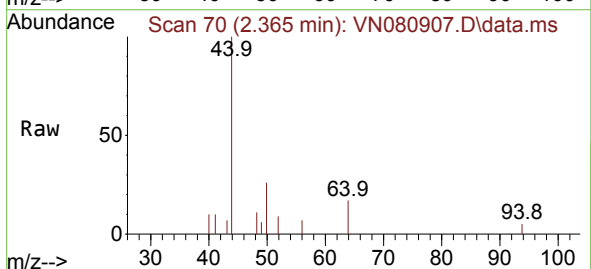
Instrument :
MSVOA_N
ClientSampleId :
EB-1-0-2

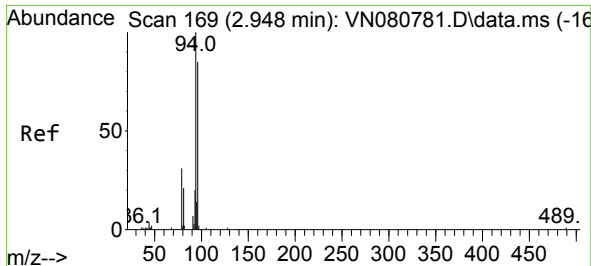
Tgt Ion:168 Resp: 78342
Ion Ratio Lower Upper
168 100
99 70.9 59.9 89.9



#3
Chloromethane
Concen: 0.875 ug/l
RT: 2.365 min Scan# 70
Delta R.T. 0.006 min
Lab File: VN080907.D
Acq: 05 Feb 2024 19:26

Tgt Ion: 50 Resp: 1531
Ion Ratio Lower Upper
50 100
52 34.7 25.0 37.4

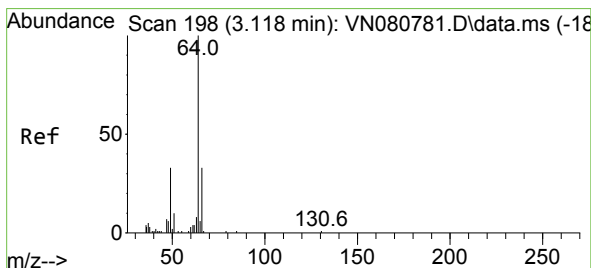
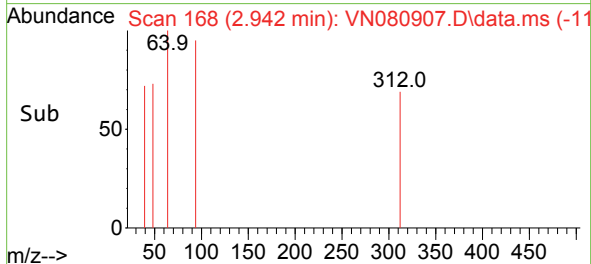
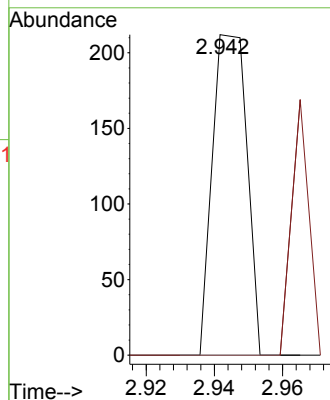
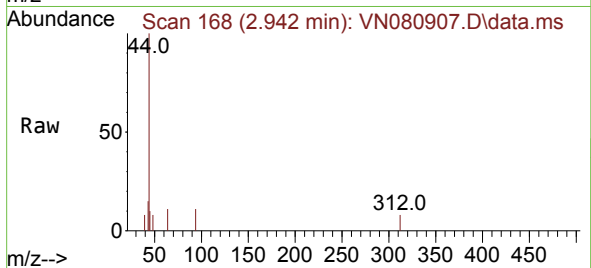




#5
Bromomethane
Concen: 0.280 ug/l
RT: 2.942 min Scan# 11
Delta R.T. -0.006 min
Lab File: VN080907.D
Acq: 05 Feb 2024 19:26

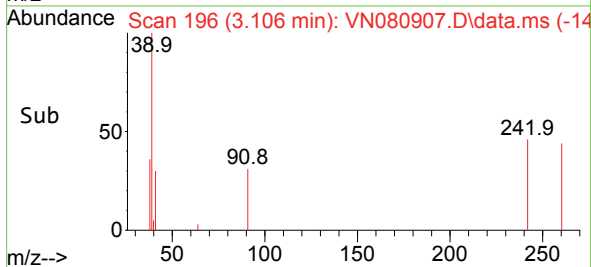
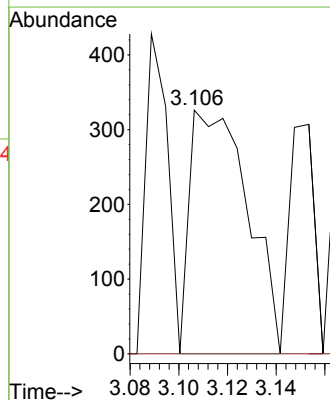
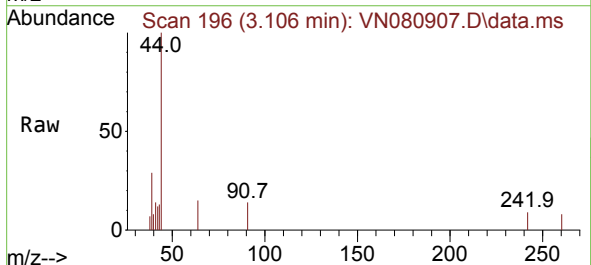
Instrument :
MSVOA_N
ClientSampleId :
EB-1-0-2

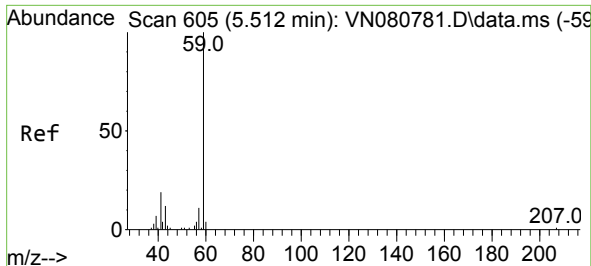
Tgt Ion: 94 Resp: 149
Ion Ratio Lower Upper
94 100
96 0.0 69.2 103.8#



#6
Chloroethane
Concen: 0.762 ug/l
RT: 3.106 min Scan# 196
Delta R.T. -0.012 min
Lab File: VN080907.D
Acq: 05 Feb 2024 19:26

Tgt Ion: 64 Resp: 540
Ion Ratio Lower Upper
64 100
66 0.0 26.4 39.6#

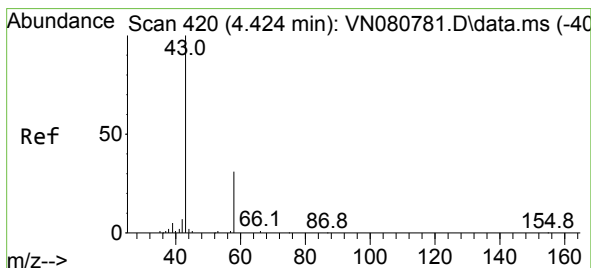
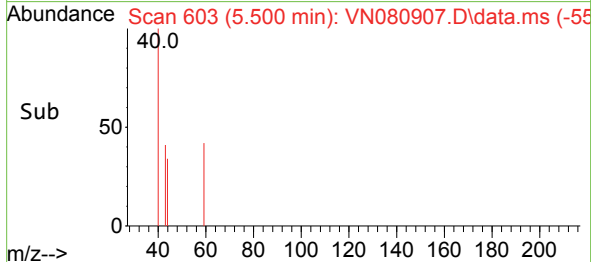
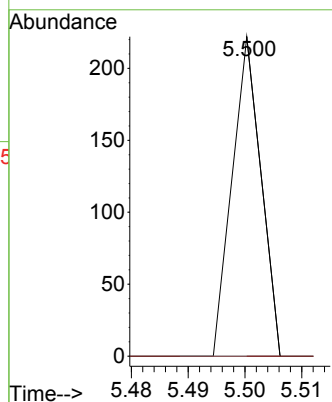
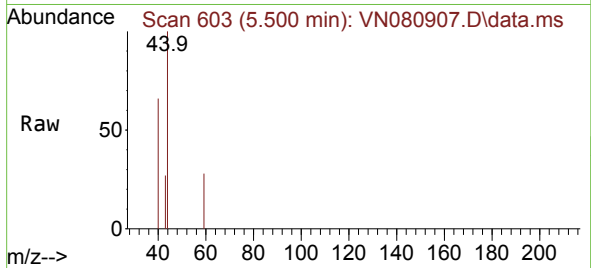




#11
Tert butyl alcohol
Concen: 0.353 ug/l
RT: 5.500 min Scan# 605
Delta R.T. -0.012 min
Lab File: VN080907.D
Acq: 05 Feb 2024 19:26

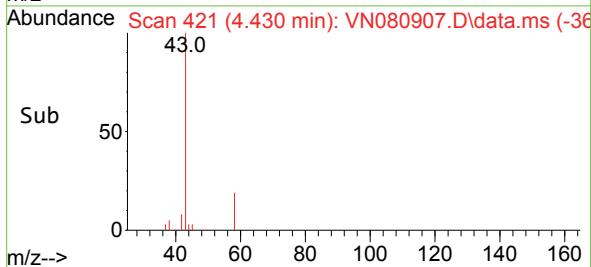
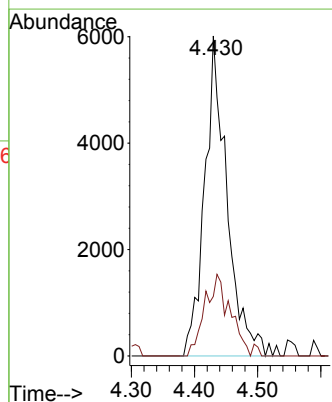
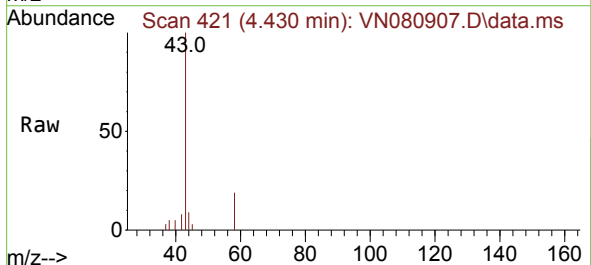
Instrument :
MSVOA_N
ClientSampleId :
EB-1-0-2

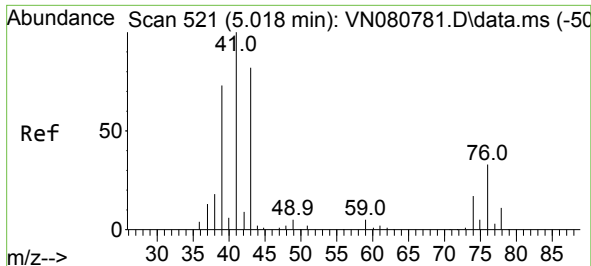
Tgt Ion: 59 Resp: 78
Ion Ratio Lower Upper
59 100
57 0.0 8.6 12.8#



#16
Acetone
Concen: 30.342 ug/l
RT: 4.430 min Scan# 421
Delta R.T. 0.006 min
Lab File: VN080907.D
Acq: 05 Feb 2024 19:26

Tgt Ion: 43 Resp: 14914
Ion Ratio Lower Upper
43 100
58 18.6 24.8 37.2#

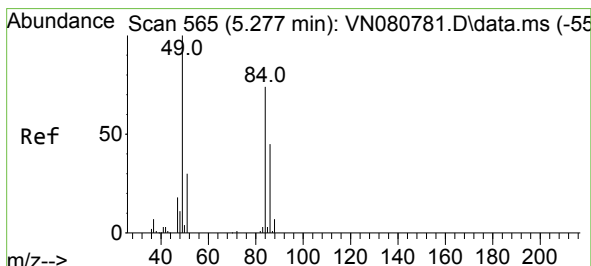
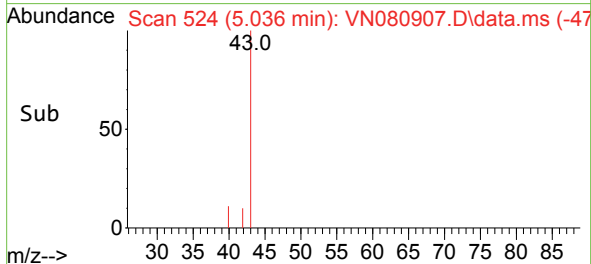
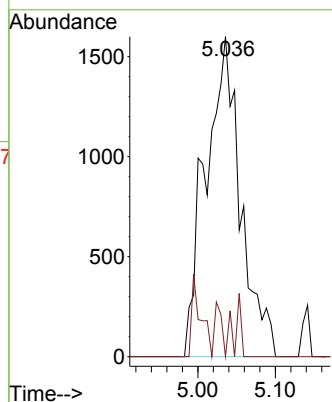
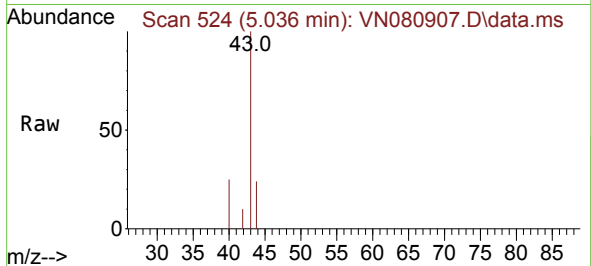




#18
Methyl Acetate
Concen: 2.920 ug/l
RT: 5.036 min Scan# 51
Delta R.T. 0.018 min
Lab File: VN080907.D
Acq: 05 Feb 2024 19:26

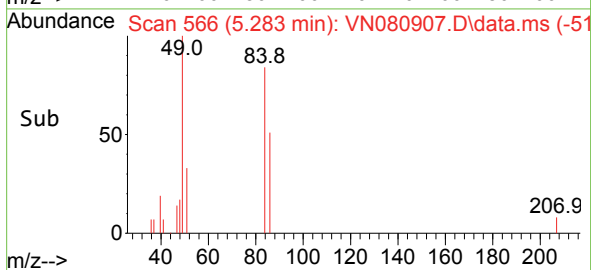
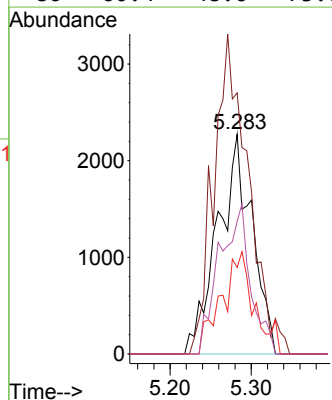
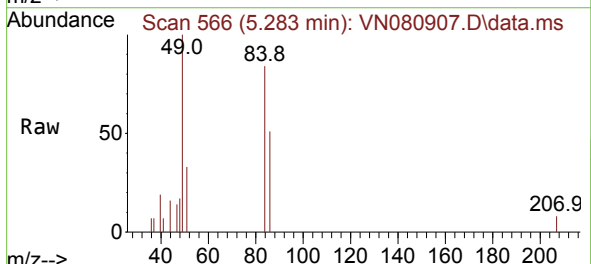
Instrument :
MSVOA_N
ClientSampleId :
EB-1-0-2

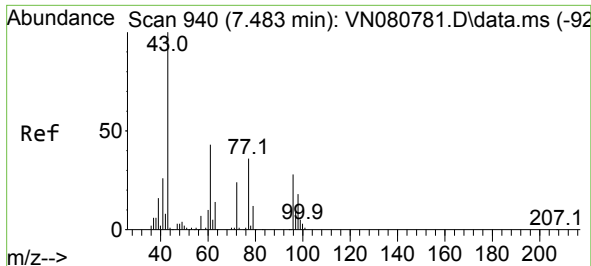
Tgt Ion: 43 Resp: 5002
Ion Ratio Lower Upper
43 100
74 1.6 17.3 25.9#



#20
Methylene Chloride
Concen: 5.164 ug/l
RT: 5.283 min Scan# 566
Delta R.T. 0.006 min
Lab File: VN080907.D
Acq: 05 Feb 2024 19:26

Tgt Ion: 84 Resp: 6663
Ion Ratio Lower Upper
84 100
49 118.8 108.1 162.1
51 39.4 32.9 49.3
86 60.4 48.6 73.0





#25

2-Butanone

Concen: 5.809 ug/l

RT: 7.488 min Scan# 941

Delta R.T. 0.006 min

Lab File: VN080907.D

Acq: 05 Feb 2024 19:26

Instrument :

MSVOA_N

ClientSampleId :

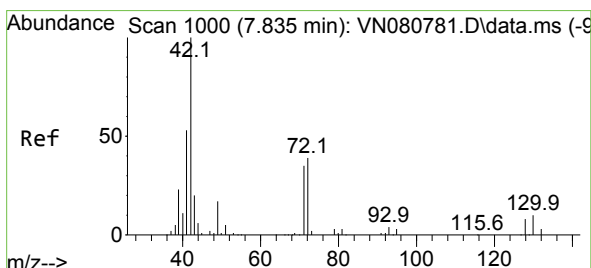
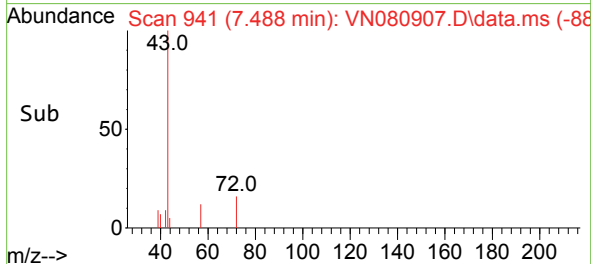
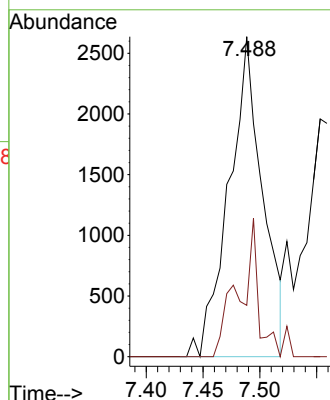
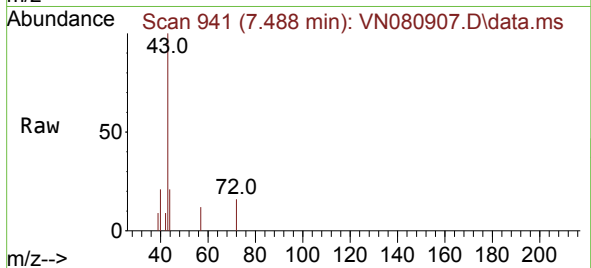
EB-1-0-2

Tgt Ion: 43 Resp: 5423

Ion Ratio Lower Upper

43 100

72 20.2 19.5 29.3



#29

Tetrahydrofuran

Concen: 0.578 ug/l

RT: 7.847 min Scan# 1002

Delta R.T. 0.012 min

Lab File: VN080907.D

Acq: 05 Feb 2024 19:26

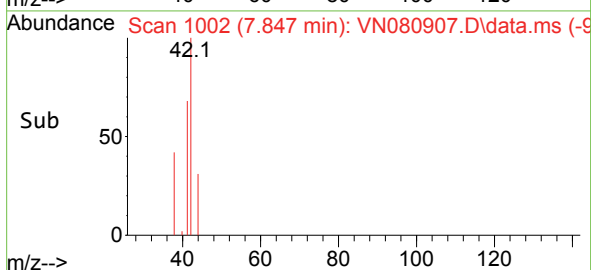
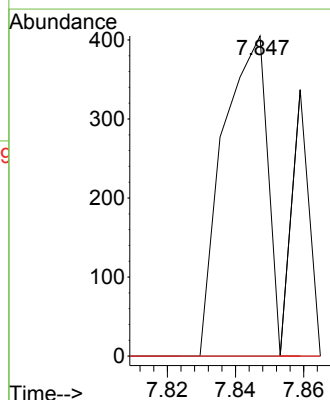
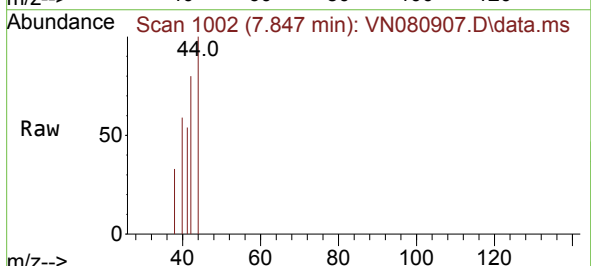
Tgt Ion: 42 Resp: 365

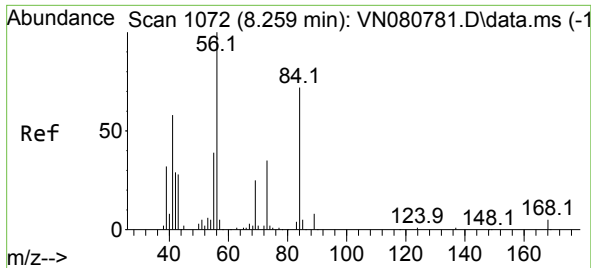
Ion Ratio Lower Upper

42 100

72 0.0 31.1 46.7#

71 0.0 28.3 42.5#

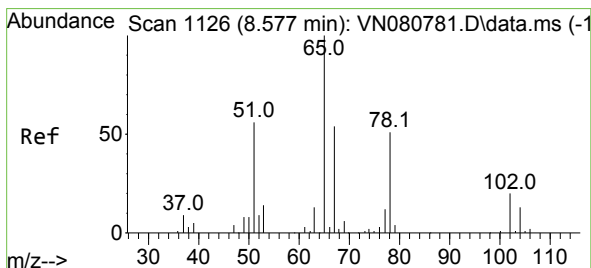
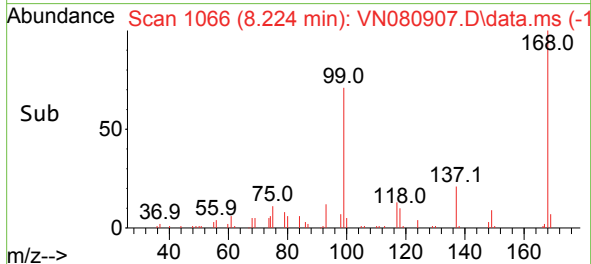
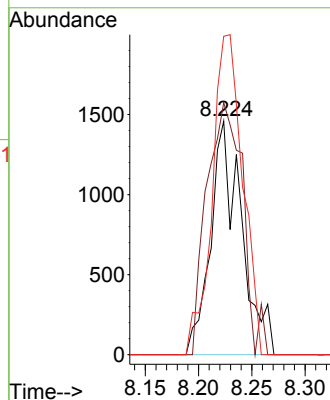
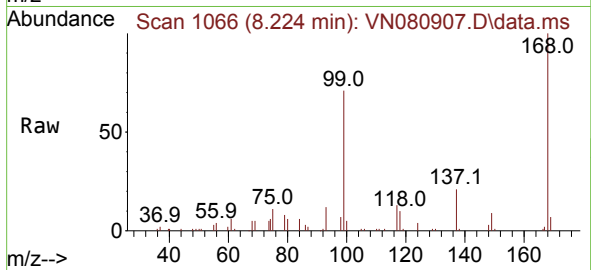




#31
Cyclohexane
Concen: 1.256 ug/l
RT: 8.224 min Scan# 1066
Delta R.T. -0.035 min
Lab File: VN080907.D
Acq: 05 Feb 2024 19:26

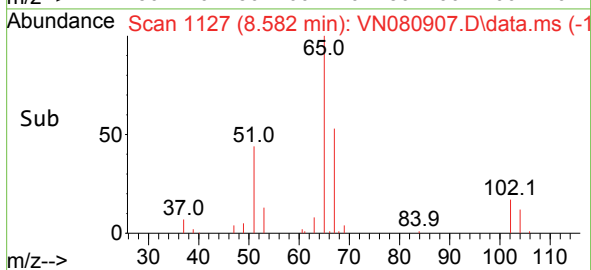
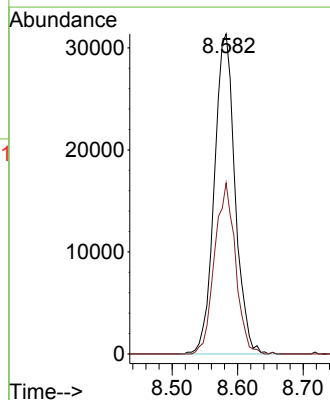
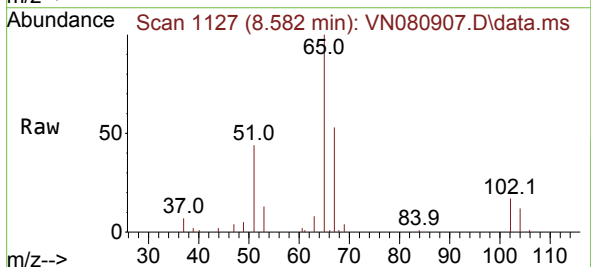
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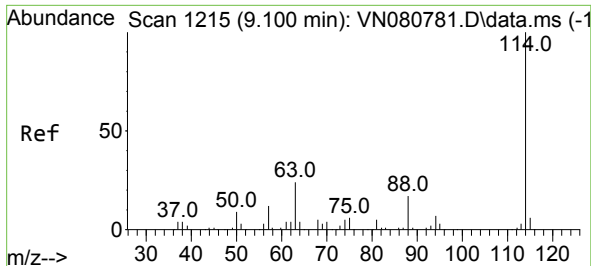
Tgt Ion: 56 Resp: 2918
Ion Ratio Lower Upper
56 100
69 107.9 20.1 30.1#
84 136.3 56.9 85.3#



#33
1,2-Dichloroethane-d4
Concen: 50.641 ug/l
RT: 8.582 min Scan# 1127
Delta R.T. 0.006 min
Lab File: VN080907.D
Acq: 05 Feb 2024 19:26

Tgt Ion: 65 Resp: 68634
Ion Ratio Lower Upper
65 100
67 53.8 0.0 102.4





#34

1,4-Difluorobenzene

Concen: 50.000 ug/l

RT: 9.106 min Scan# 1

Delta R.T. 0.006 min

Lab File: VN080907.D

Acq: 05 Feb 2024 19:26

Instrument :

MSVOA_N

ClientSampleId :

EB-1-0-2

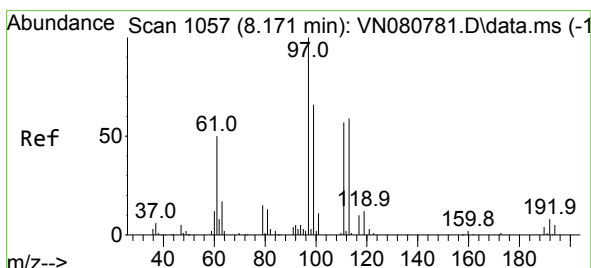
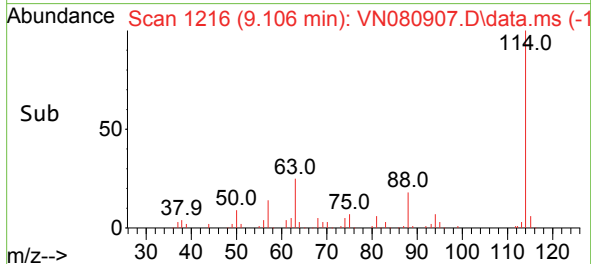
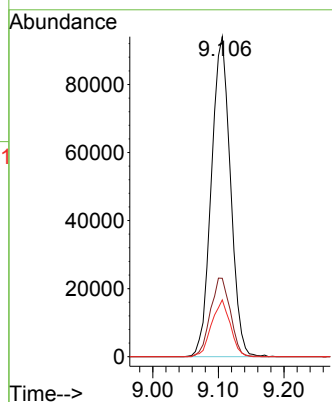
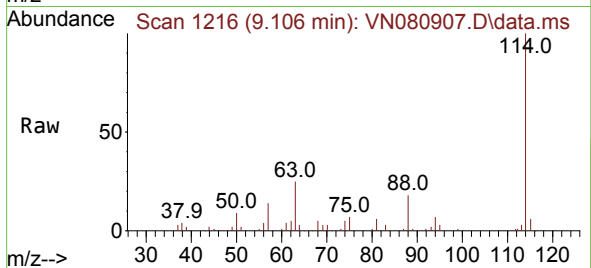
Tgt Ion:114 Resp: 189672

Ion Ratio Lower Upper

114 100

63 24.5 0.0 48.0

88 17.7 0.0 34.8



#35

Dibromofluoromethane

Concen: 42.732 ug/l

RT: 8.165 min Scan# 1056

Delta R.T. -0.006 min

Lab File: VN080907.D

Acq: 05 Feb 2024 19:26

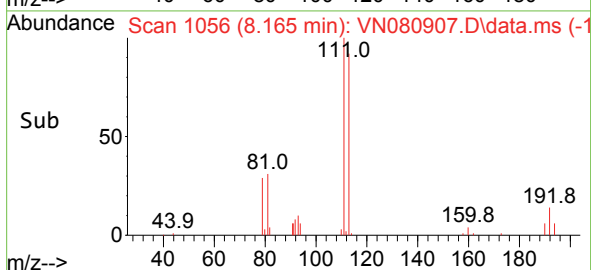
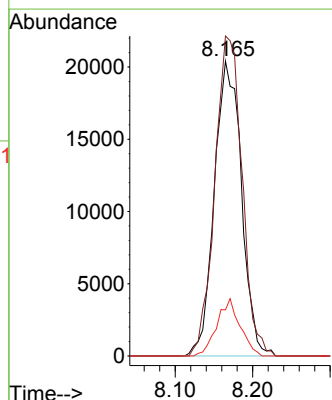
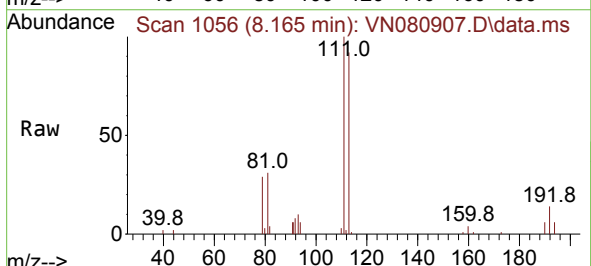
Tgt Ion:113 Resp: 49587

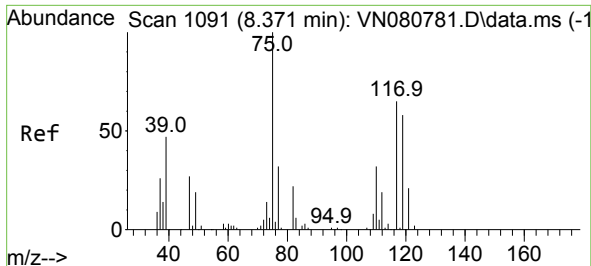
Ion Ratio Lower Upper

113 100

111 108.8 82.2 123.4

192 16.6 12.5 18.7





#36

1,1-Dichloropropene

Concen: 4.146 ug/l

RT: 8.230 min Scan# 1

Delta R.T. -0.141 min

Lab File: VN080907.D

Acq: 05 Feb 2024 19:26

Instrument :

MSVOA_N

ClientSampleId :

EB-1-0-2

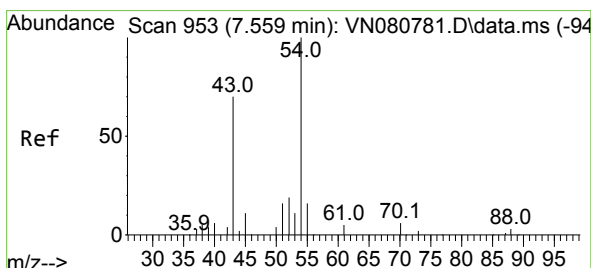
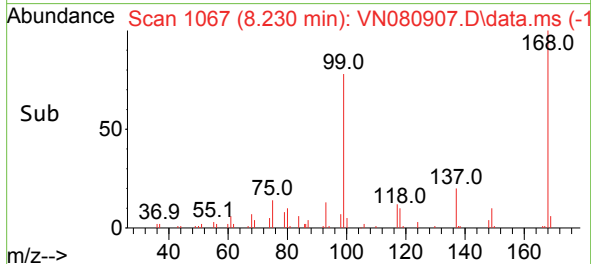
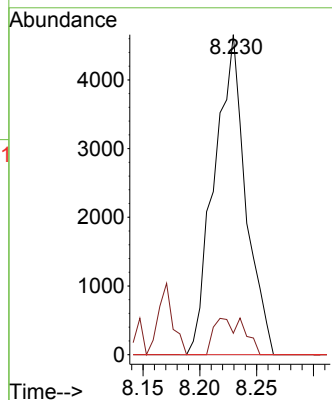
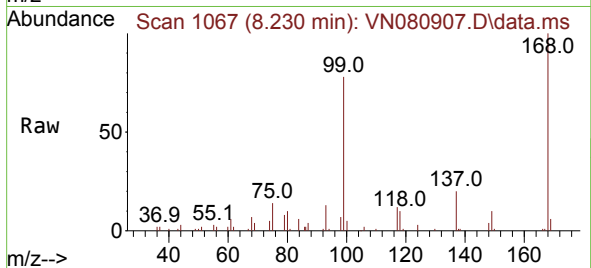
Tgt Ion: 75 Resp: 8943

Ion Ratio Lower Upper

75 100

110 11.0 16.0 48.0#

77 0.0 25.8 38.6#



#37

Ethyl Acetate

Concen: 2.200 ug/l

RT: 7.553 min Scan# 952

Delta R.T. -0.006 min

Lab File: VN080907.D

Acq: 05 Feb 2024 19:26

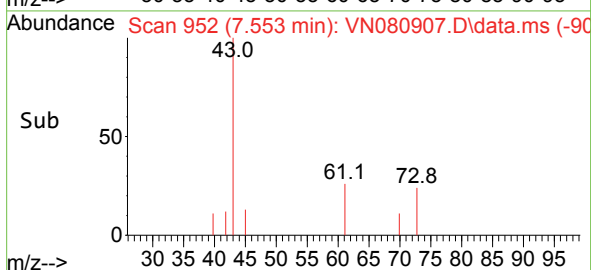
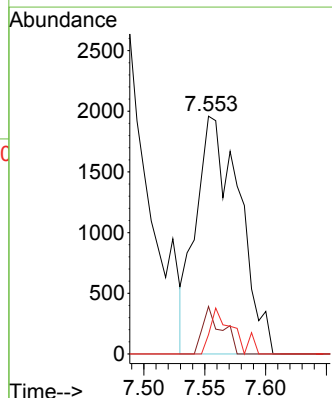
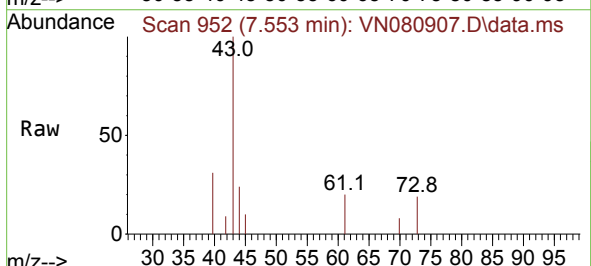
Tgt Ion: 43 Resp: 4885

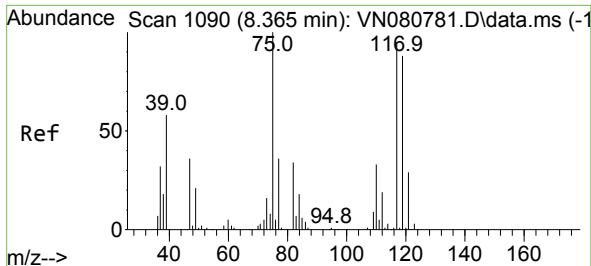
Ion Ratio Lower Upper

43 100

61 8.8 10.6 15.8#

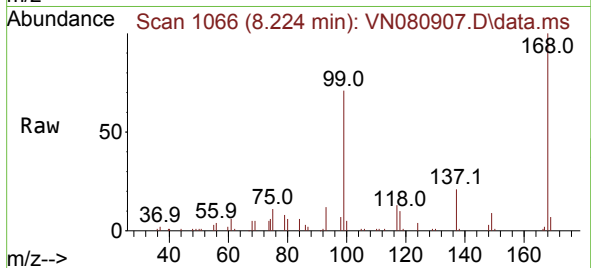
70 10.1 8.0 12.0



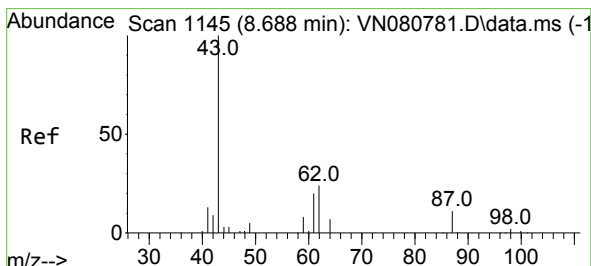
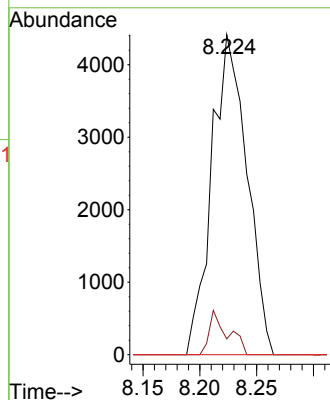
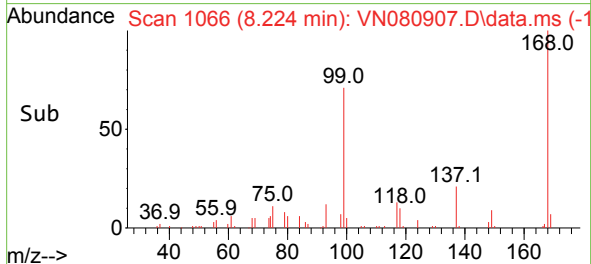


#38
Carbon Tetrachloride
Concen: 5.487 ug/l
RT: 8.224 min Scan# 1066
Delta R.T. -0.141 min
Lab File: VN080907.D
Acq: 05 Feb 2024 19:26

Instrument :
MSVOA_N
ClientSampleId :
EB-1-0-2

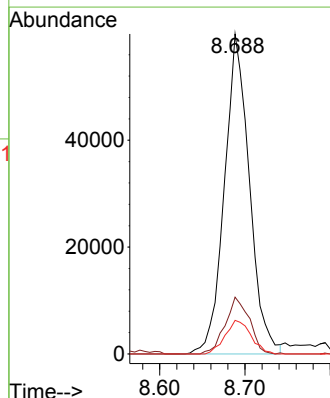
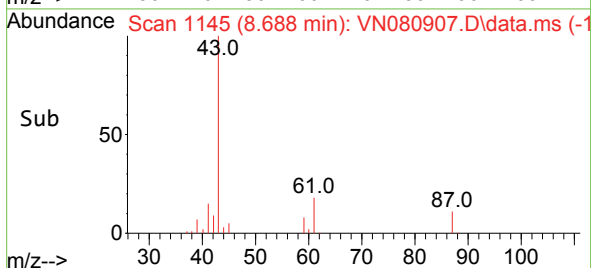
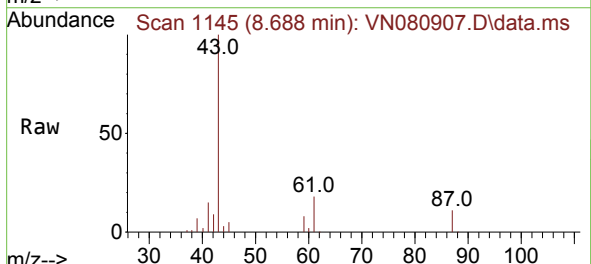


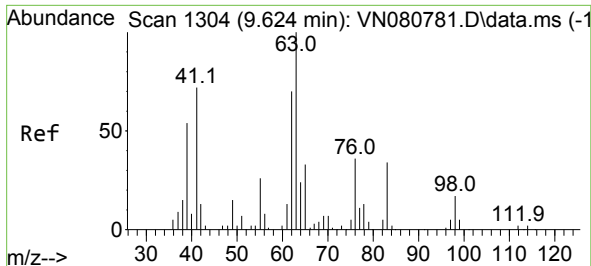
Tgt Ion:117 Resp: 9536
Ion Ratio Lower Upper
117 100
119 5.0 73.4 110.2#
121 0.0 24.4 36.6#



#43
Isopropyl Acetate
Concen: 30.215 ug/l
RT: 8.688 min Scan# 1145
Delta R.T. 0.000 min
Lab File: VN080907.D
Acq: 05 Feb 2024 19:26

Tgt Ion: 43 Resp: 122142
Ion Ratio Lower Upper
43 100
61 17.1 19.9 29.9#
87 10.8 9.0 13.6





#45

1,2-Dichloropropane

Concen: 0.726 ug/l

RT: 9.735 min Scan# 11

Delta R.T. 0.112 min

Lab File: VN080907.D

Acq: 05 Feb 2024 19:26

Instrument :

MSVOA_N

ClientSampleId :

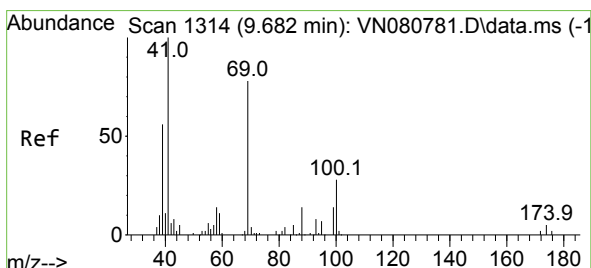
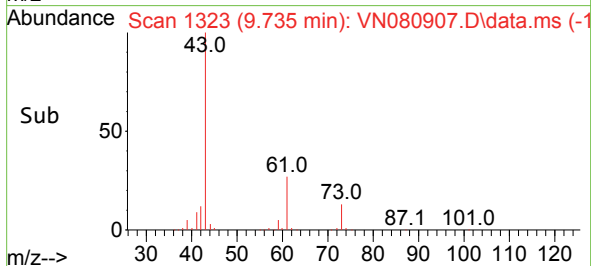
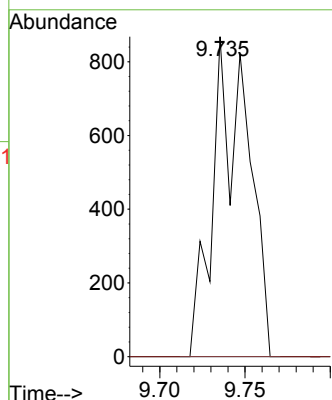
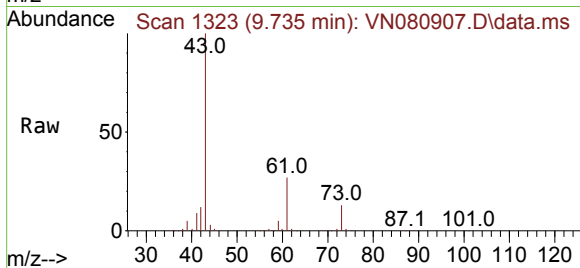
EB-1-0-2

Tgt Ion: 63 Resp: 1245

Ion Ratio Lower Upper

63 100

65 0.0 26.1 39.1#



#48

Methyl methacrylate

Concen: 1.914 ug/l

RT: 9.659 min Scan# 1310

Delta R.T. -0.024 min

Lab File: VN080907.D

Acq: 05 Feb 2024 19:26

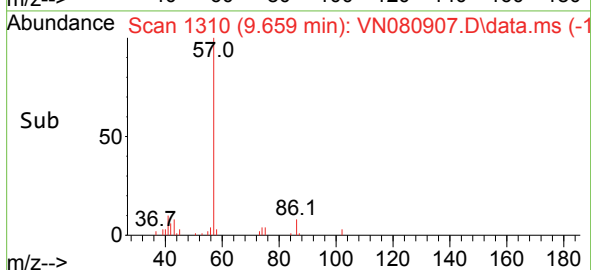
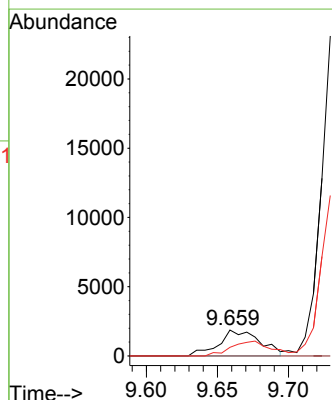
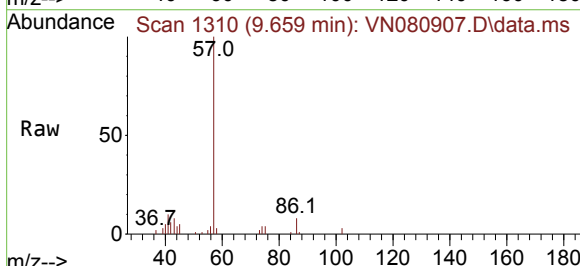
Tgt Ion: 41 Resp: 3750

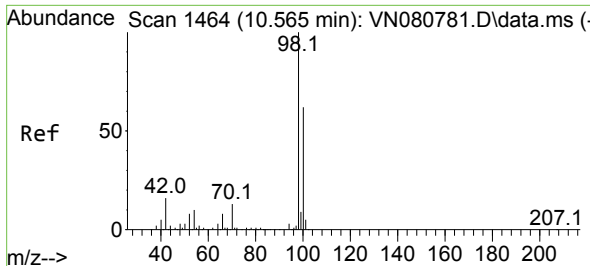
Ion Ratio Lower Upper

41 100

69 0.0 62.2 93.2#

39 55.5 47.6 71.4

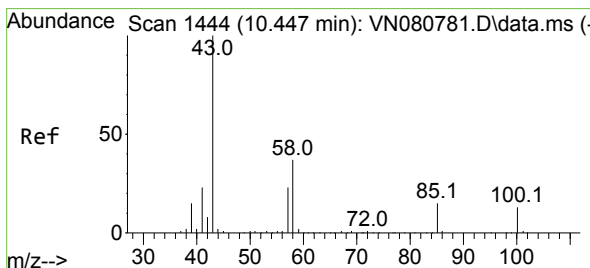
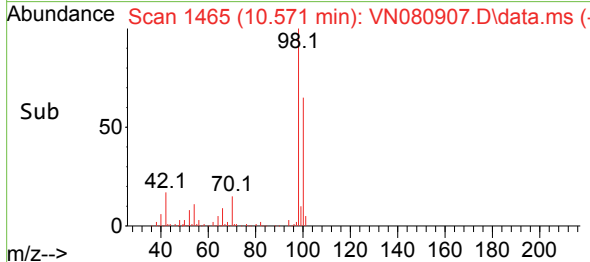
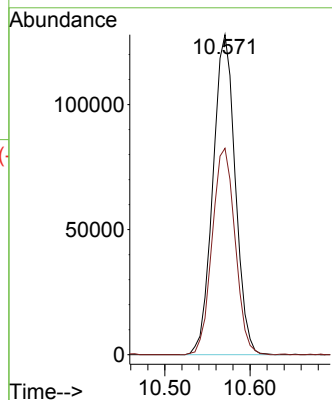
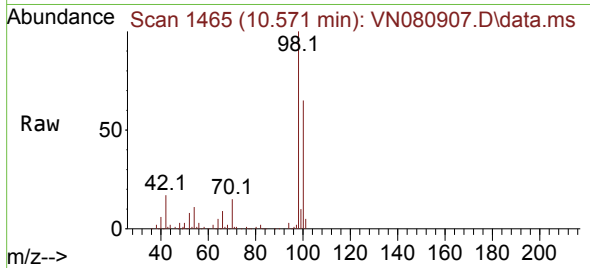




#50
Toluene-d8
Concen: 51.399 ug/l
RT: 10.571 min Scan# 1465
Delta R.T. 0.006 min
Lab File: VN080907.D
Acq: 05 Feb 2024 19:26

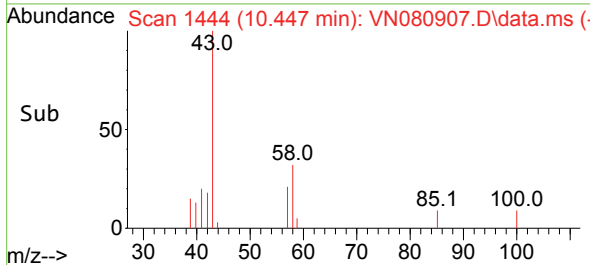
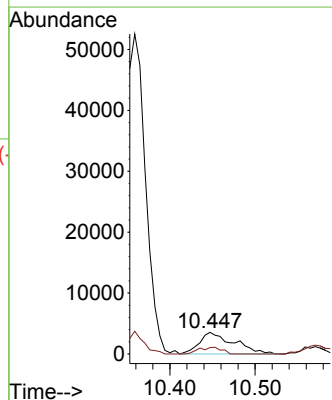
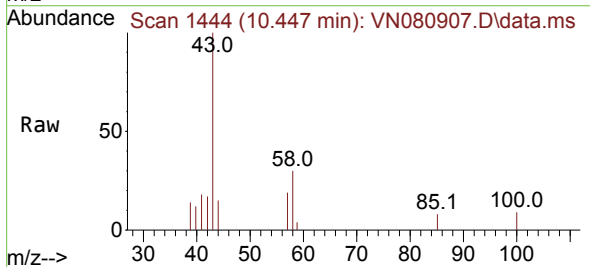
Instrument :
MSVOA_N
ClientSampleId :
EB-1-0-2

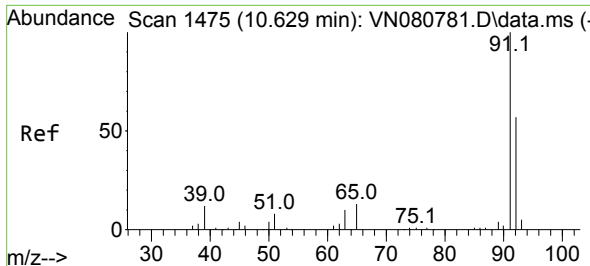
Tgt Ion: 98 Resp: 233444
Ion Ratio Lower Upper
98 100
100 66.2 51.4 77.0



#51
4-Methyl-2-Pentanone
Concen: 4.396 ug/l
RT: 10.447 min Scan# 1444
Delta R.T. 0.000 min
Lab File: VN080907.D
Acq: 05 Feb 2024 19:26

Tgt Ion: 43 Resp: 9933
Ion Ratio Lower Upper
43 100
58 20.6 29.4 44.0#

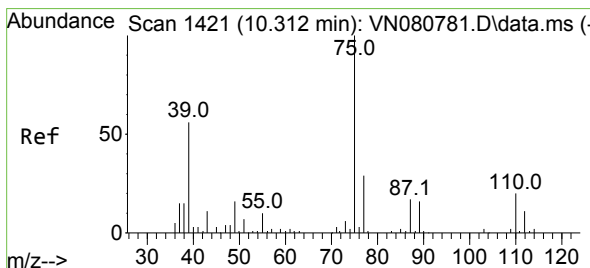
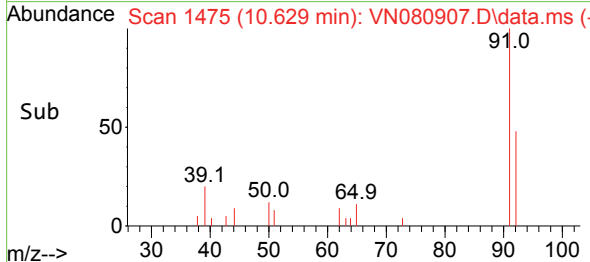
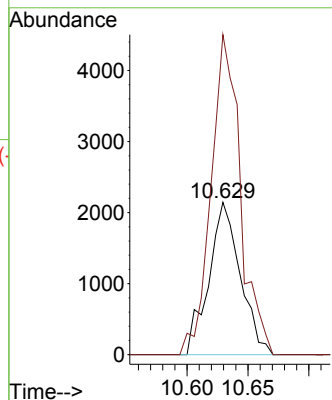
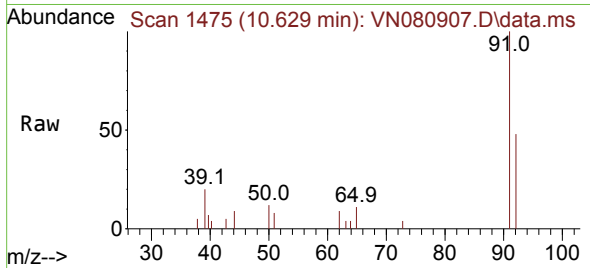




#52
Toluene
Concen: 1.062 ug/l
RT: 10.629 min Scan# 1475
Delta R.T. 0.000 min
Lab File: VN080907.D
Acq: 05 Feb 2024 19:26

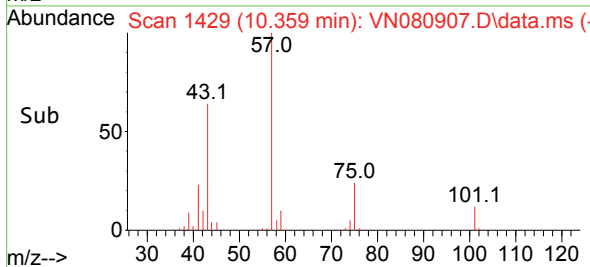
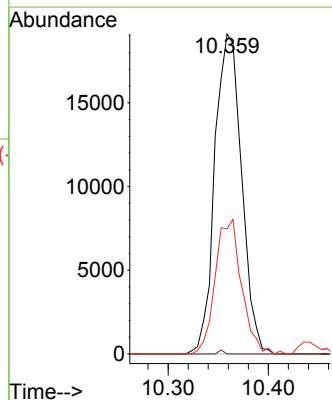
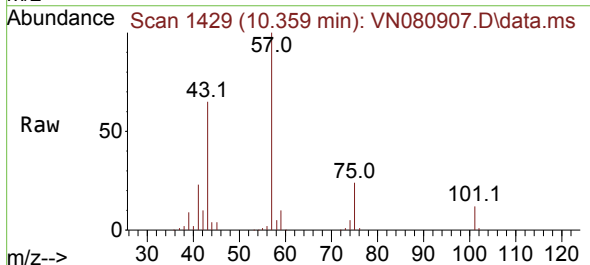
Instrument :
MSVOA_N
ClientSampleId :
EB-1-0-2

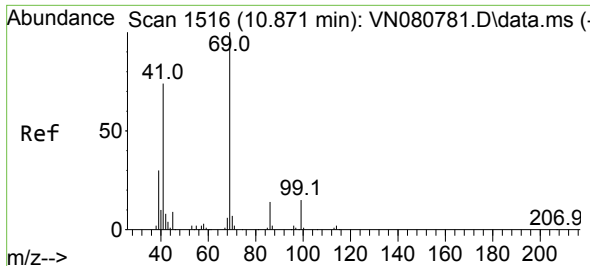
Tgt Ion: 92 Resp: 3861
Ion Ratio Lower Upper
92 100
91 195.2 139.4 209.0



#54
cis-1,3-Dichloropropene
Concen: 13.563 ug/l
RT: 10.359 min Scan# 1429
Delta R.T. 0.047 min
Lab File: VN080907.D
Acq: 05 Feb 2024 19:26

Tgt Ion: 75 Resp: 35475
Ion Ratio Lower Upper
75 100
77 0.0 23.3 34.9#
39 39.1 44.6 66.8#

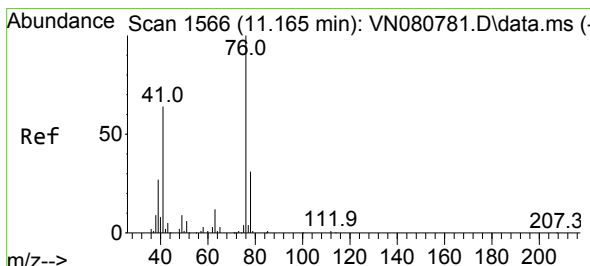
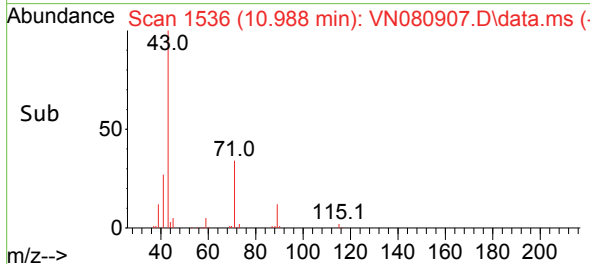
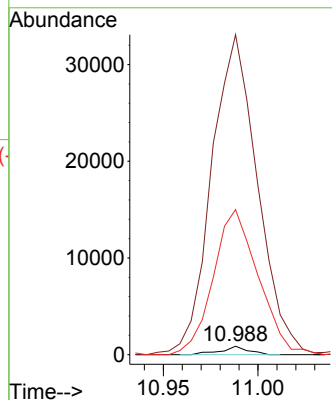
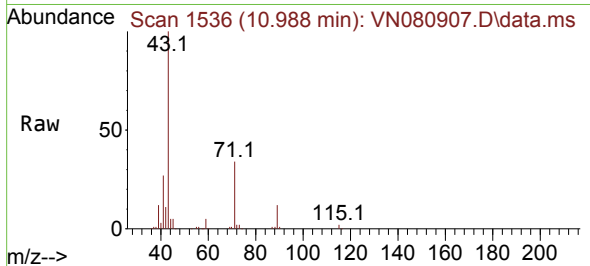




#56
Ethyl methacrylate
Concen: 0.411 ug/l
RT: 10.988 min Scan# 1536
Delta R.T. 0.117 min
Lab File: VN080907.D
Acq: 05 Feb 2024 19:26

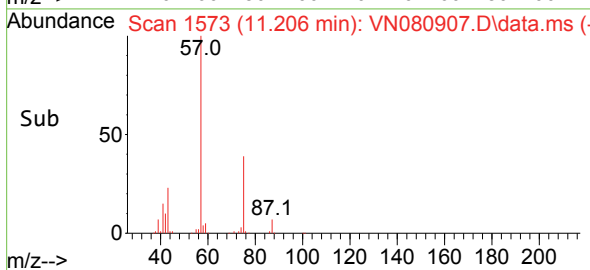
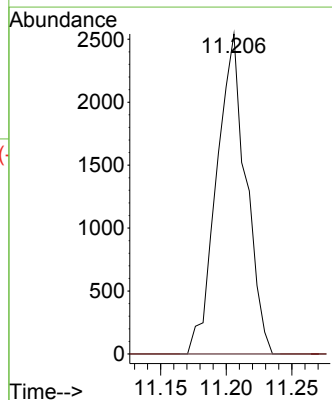
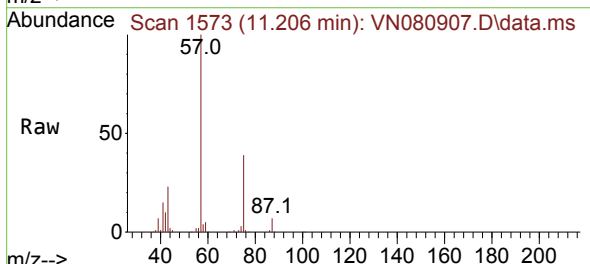
Instrument :
MSVOA_N
ClientSampleId :
EB-1-0-2

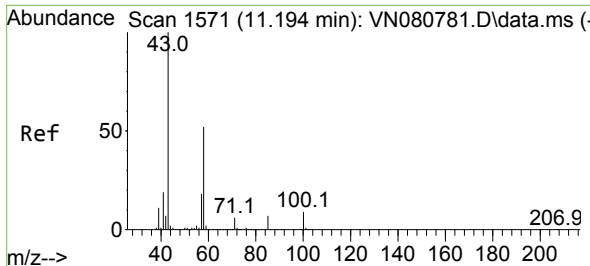
Tgt Ion: 69 Resp: 882
Ion Ratio Lower Upper
69 100
41 6353.2 61.0 91.6#
39 2815.9 31.8 47.6#



#57
1,3-Dichloropropane
Concen: 1.506 ug/l
RT: 11.206 min Scan# 1573
Delta R.T. 0.041 min
Lab File: VN080907.D
Acq: 05 Feb 2024 19:26

Tgt Ion: 76 Resp: 3959
Ion Ratio Lower Upper
76 100
78 0.0 25.5 38.3#

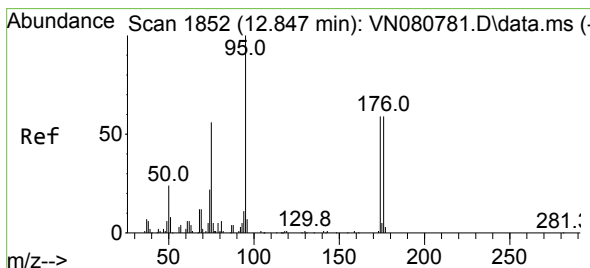
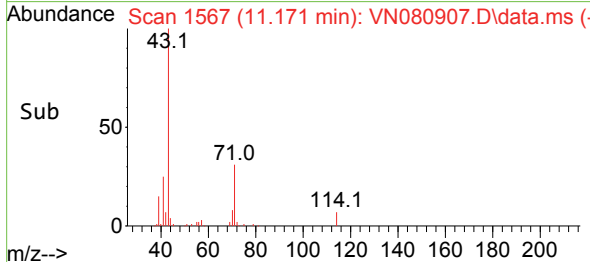
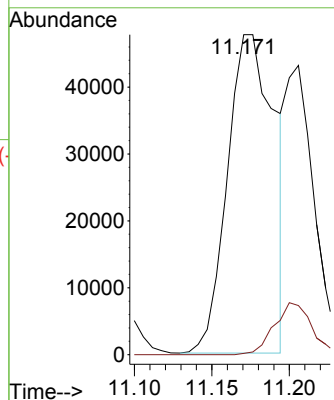
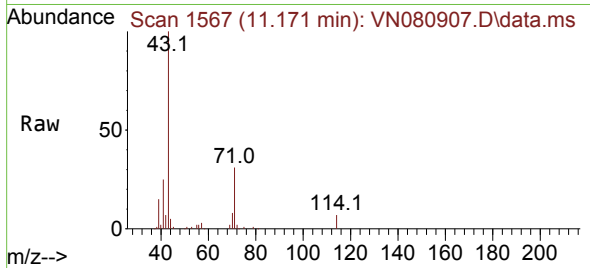




#59
2-Hexanone
Concen: 57.317 ug/l
RT: 11.171 min Scan# 111
Delta R.T. -0.024 min
Lab File: VN080907.D
Acq: 05 Feb 2024 19:26

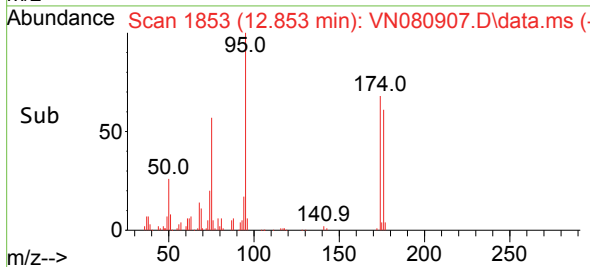
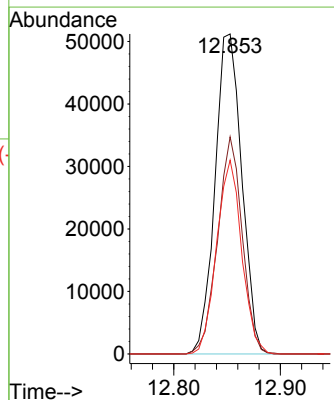
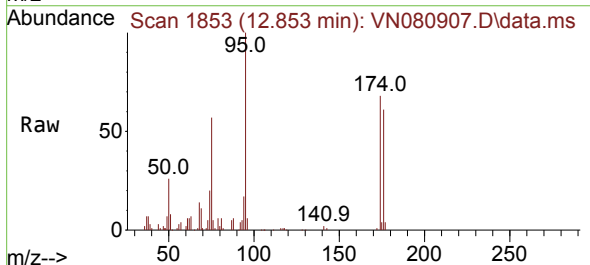
Instrument :
MSVOA_N
ClientSampleId :
EB-1-0-2

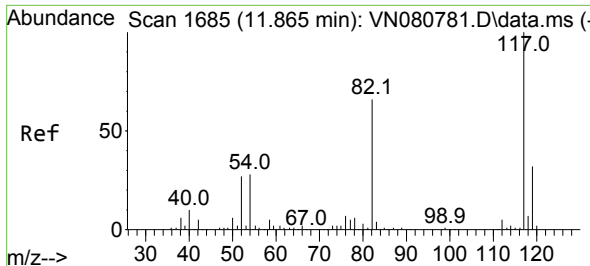
Tgt Ion: 43 Resp: 100610
Ion Ratio Lower Upper
43 100
58 0.0 25.9 77.8#



#62
4-Bromofluorobenzene
Concen: 56.461 ug/l
RT: 12.853 min Scan# 1853
Delta R.T. 0.006 min
Lab File: VN080907.D
Acq: 05 Feb 2024 19:26

Tgt Ion: 95 Resp: 89360
Ion Ratio Lower Upper
95 100
174 62.3 0.0 120.4
176 56.8 0.0 121.0

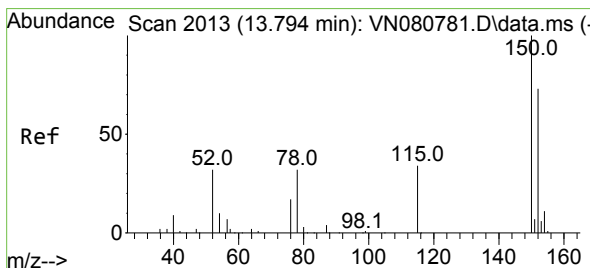
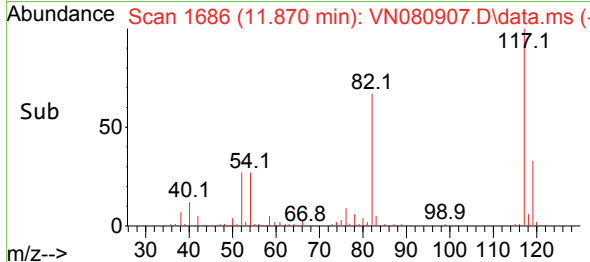
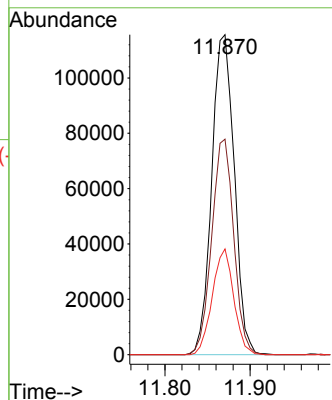
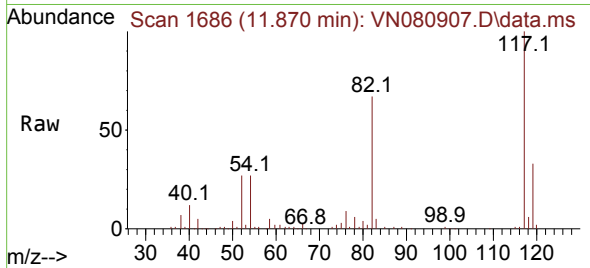




#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.870 min Scan# 11
Delta R.T. 0.006 min
Lab File: VN080907.D
Acq: 05 Feb 2024 19:26

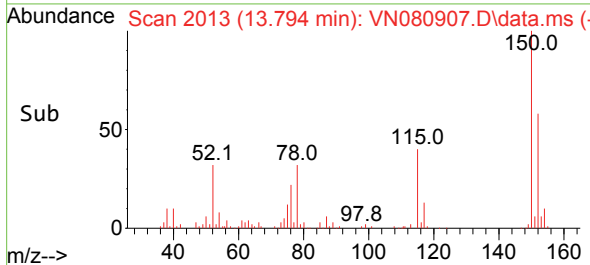
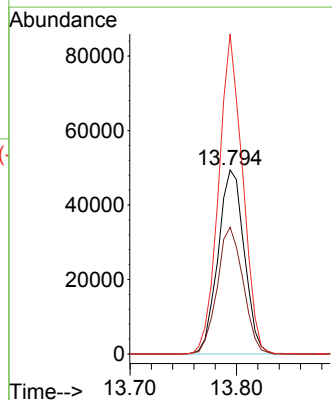
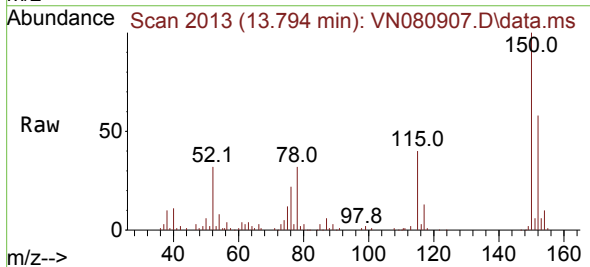
Instrument :
MSVOA_N
ClientSampleId :
EB-1-0-2

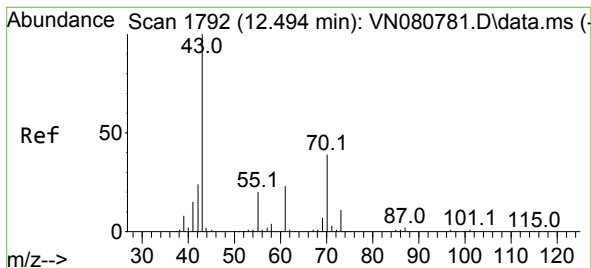
Tgt Ion:117 Resp: 212569
Ion Ratio Lower Upper
117 100
82 67.4 52.7 79.1
119 33.1 25.3 37.9



#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 13.794 min Scan# 2013
Delta R.T. 0.000 min
Lab File: VN080907.D
Acq: 05 Feb 2024 19:26

Tgt Ion:152 Resp: 84389
Ion Ratio Lower Upper
152 100
115 68.1 32.3 96.8
150 158.5 0.0 339.8





#74

N-amy1 acetate

Concen: 0.208 ug/l

RT: 12.459 min Scan# 1

Delta R.T. -0.035 min

Lab File: VN080907.D

Acq: 05 Feb 2024 19:26

Instrument :

MSVOA_N

ClientSampleId :

EB-1-0-2

Tgt Ion: 43 Resp: 996

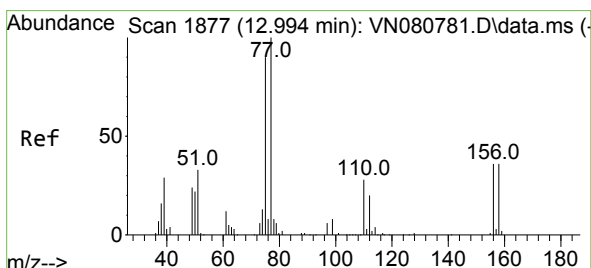
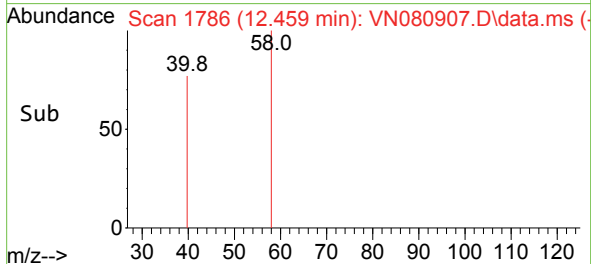
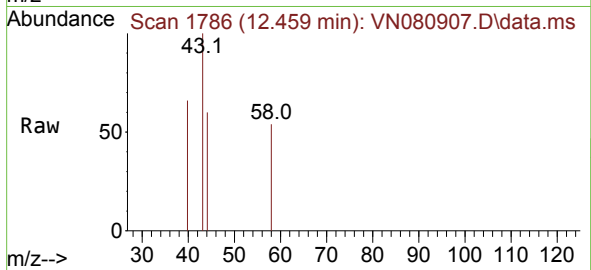
Ion Ratio Lower Upper

43 100

70 0.0 30.1 45.1#

55 0.0 17.0 25.4#

61 0.0 17.5 26.3#



#76

1,2,3-Trichloropropane

Concen: 20.798 ug/l

RT: 12.847 min Scan# 1852

Delta R.T. -0.147 min

Lab File: VN080907.D

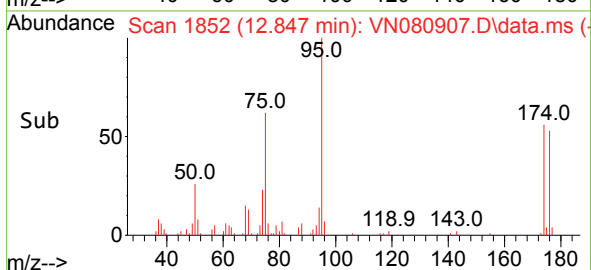
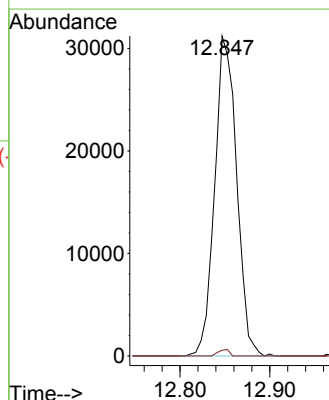
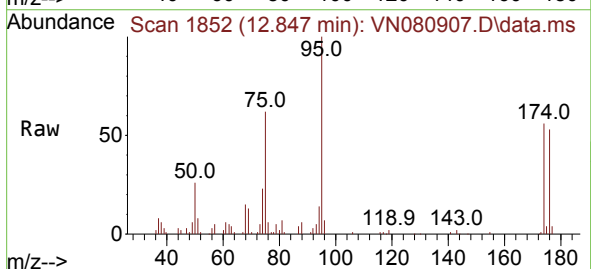
Acq: 05 Feb 2024 19:26

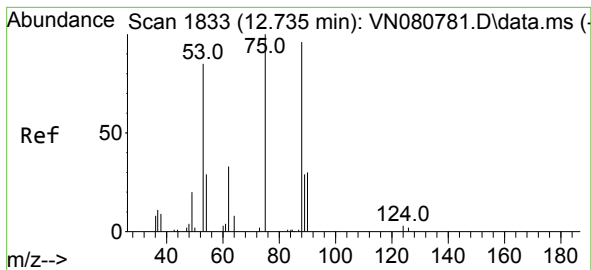
Tgt Ion: 75 Resp: 52934

Ion Ratio Lower Upper

75 100

77 1.0 91.0 272.8#





#81
 trans-1,4-Dichloro-2-butene
 Concen: 53.579 ug/l
 RT: 12.847 min Scan# 11
 Delta R.T. 0.112 min
 Lab File: VN080907.D
 Acq: 05 Feb 2024 19:26

Instrument :
 MSVOA_N
 ClientSampleId :
 EB-1-0-2

Tgt Ion: 75 Resp: 52934
 Ion Ratio Lower Upper
 75 100
 53 0.0 71.4 107.2#
 89 0.0 33.4 50.0#

