

Data Path : Z:\voasrv\HPCHEM1\MSVOA_N\Data\VN020524\
 Data File : VN080911.D
 Acq On : 05 Feb 2024 21:02
 Operator : JC\MD
 Sample : P1367-06
 Misc : 5.0mL/MSVOA_N/WATER
 ALS Vial : 22 Sample Multiplier: 1

Instrument :
 MSVOA_N
 ClientSampleId :
 EB-6-7-9

Quant Time: Feb 06 04:49:17 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

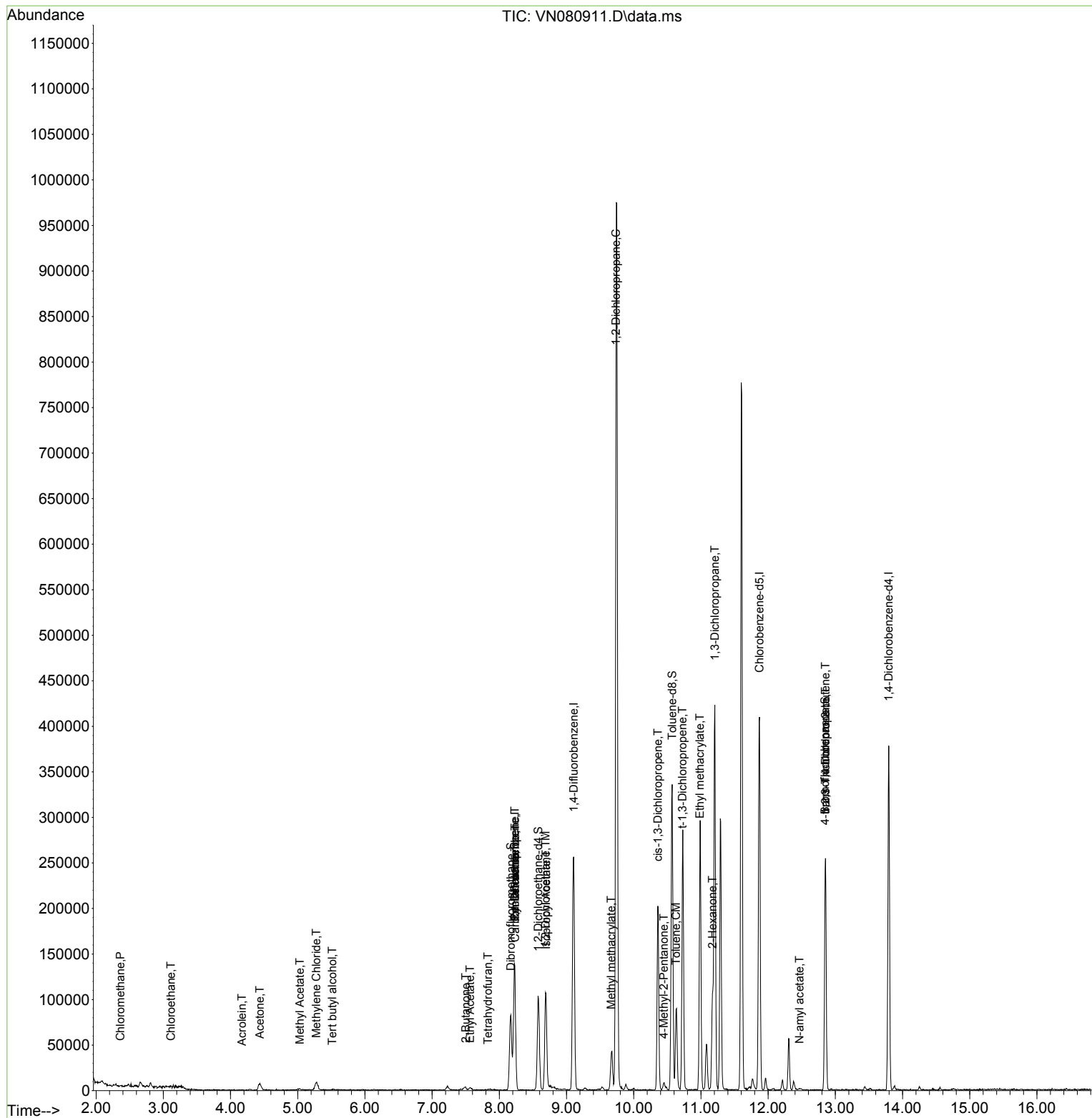
Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
Internal Standards						
1) Pentafluorobenzene	8.230	168	80388	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	9.106	114	191299	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.871	117	205824	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.794	152	86246	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.577	65	84938	61.076	ug/l	0.00
Spiked Amount	50.000	Range	74 - 125	Recovery	= 122.160%	
35) Dibromofluoromethane	8.171	113	56396	48.186	ug/l	0.00
Spiked Amount	50.000	Range	75 - 124	Recovery	= 96.380%	
50) Toluene-d8	10.571	98	214499	46.826	ug/l	0.00
Spiked Amount	50.000	Range	86 - 113	Recovery	= 93.660%	
62) 4-Bromofluorobenzene	12.847	95	86498	54.187	ug/l	0.00
Spiked Amount	50.000	Range	83 - 123	Recovery	= 108.380%	
Target Compounds						Qvalue
3) Chloromethane	2.359	50	1041	0.580	ug/l	96
6) Chloroethane	3.112	64	208	0.286	ug/l #	42
11) Tert butyl alcohol	5.512	59	443	1.954	ug/l #	72
13) Acrolein	4.171	56	64	0.224	ug/l #	47
16) Acetone	4.436	43	14123	28.001	ug/l	97
18) Methyl Acetate	5.030	43	1372	0.781	ug/l #	54
20) Methylene Chloride	5.277	84	5392	4.073	ug/l #	79
25) 2-Butanone	7.500	43	6152	6.422	ug/l	96
29) Tetrahydrofuran	7.830	42	136	0.210	ug/l #	38
31) Cyclohexane	8.230	56	3621	1.518	ug/l #	63
36) 1,1-Dichloropropene	8.230	75	10205	4.691	ug/l #	46
37) Ethyl Acetate	7.565	43	4524	2.020	ug/l #	79
38) Carbon Tetrachloride	8.236	117	10602	6.049	ug/l #	18
42) 1,2-Dichloroethane	8.688	62	753	0.362	ug/l #	75
43) Isopropyl Acetate	8.694	43	128242	31.454	ug/l #	87
45) 1,2-Dichloropropane	9.735	63	1564	0.904	ug/l #	42
48) Methyl methacrylate	9.665	41	3010	1.523	ug/l #	48
51) 4-Methyl-2-Pentanone	10.447	43	9231	4.050	ug/l #	73
52) Toluene	10.630	92	38269	10.439	ug/l	89
53) t-1,3-Dichloropropene	10.724	75	709	0.292	ug/l #	86
54) cis-1,3-Dichloropropene	10.359	75	33672	12.764	ug/l #	66
56) Ethyl methacrylate	10.982	69	719	0.332	ug/l #	1
57) 1,3-Dichloropropane	11.206	76	4175	1.575	ug/l #	43
59) 2-Hexanone	11.171	43	88697	50.100	ug/l #	26
74) N-amyl acetate	12.465	43	1923	0.392	ug/l #	46
76) 1,2,3-Trichloropropane	12.853	75	52640	20.237	ug/l #	1
81) trans-1,4-Dichloro-2-b...	12.853	75	52640	52.134	ug/l #	14

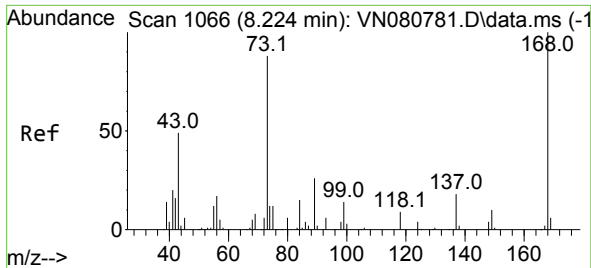
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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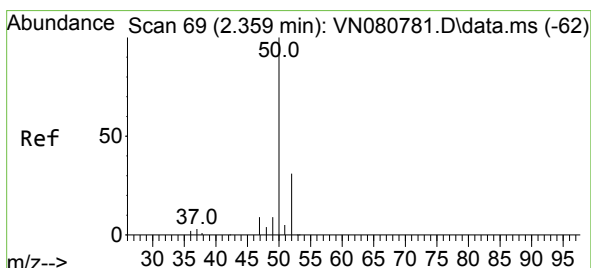
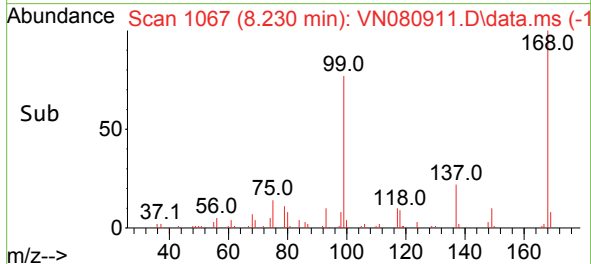
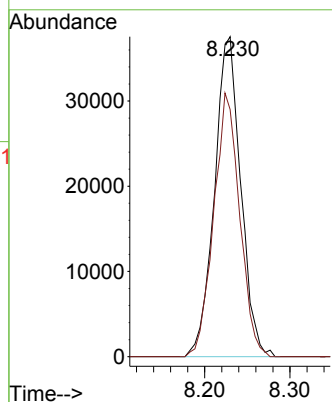
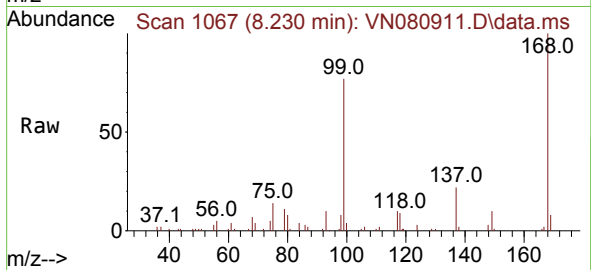




#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 8.230 min Scan# 1066
Delta R.T. 0.006 min
Lab File: VN080911.D
Acq: 05 Feb 2024 21:02

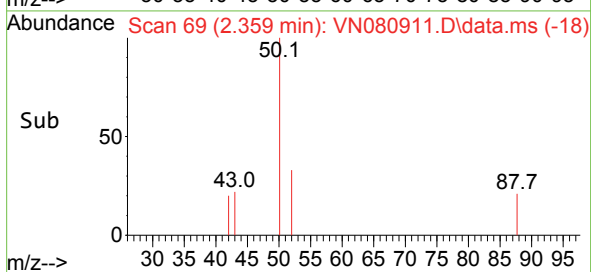
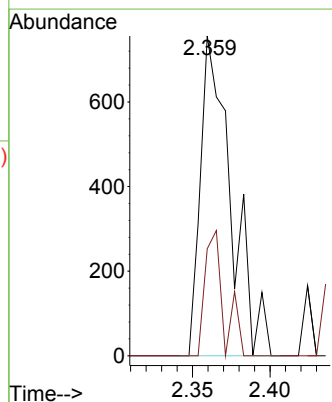
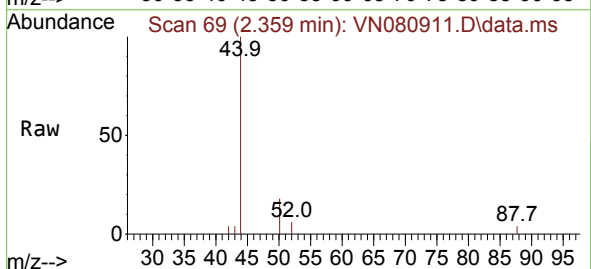
Instrument :
MSVOA_N
ClientSampleId :
EB-6-7-9

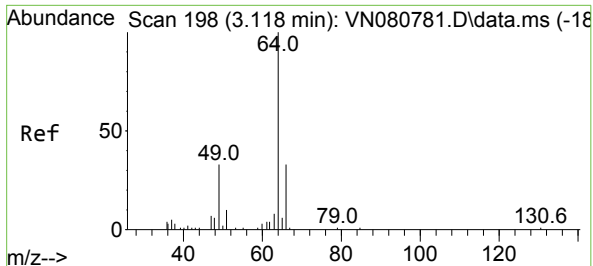
Tgt Ion:168 Resp: 80388
Ion Ratio Lower Upper
168 100
99 77.2 59.9 89.9



#3
Chloromethane
Concen: 0.580 ug/l
RT: 2.359 min Scan# 69
Delta R.T. 0.000 min
Lab File: VN080911.D
Acq: 05 Feb 2024 21:02

Tgt Ion: 50 Resp: 1041
Ion Ratio Lower Upper
50 100
52 33.5 25.0 37.4

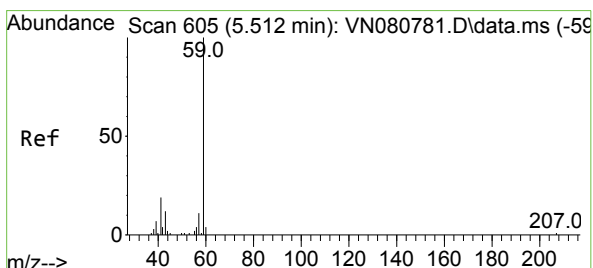
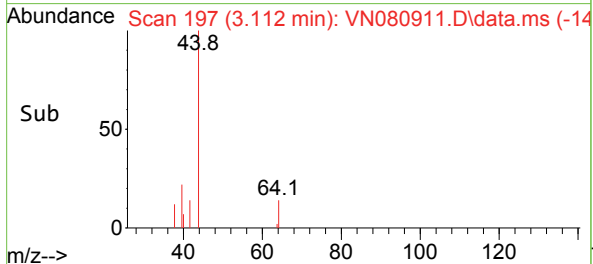
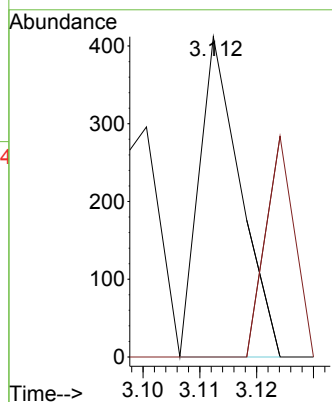
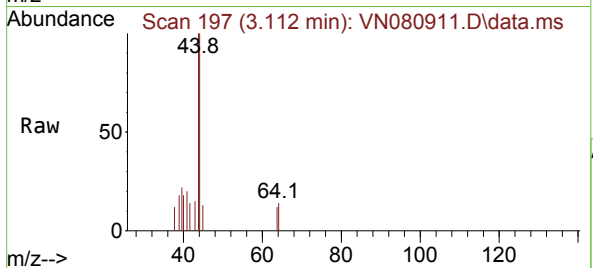




#6
Chloroethane
Concen: 0.286 ug/l
RT: 3.112 min Scan# 197
Delta R.T. -0.006 min
Lab File: VN080911.D
Acq: 05 Feb 2024 21:02

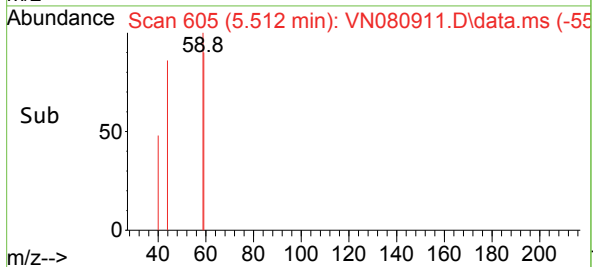
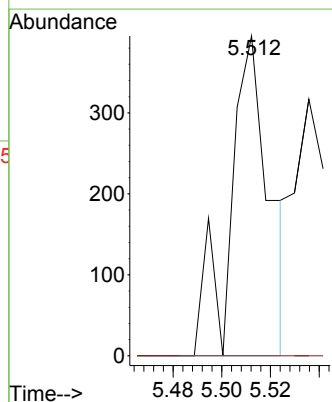
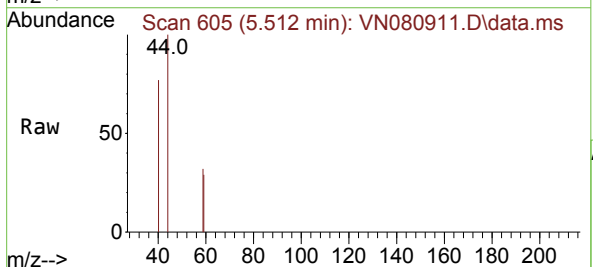
Instrument :
MSVOA_N
ClientSampleId :
EB-6-7-9

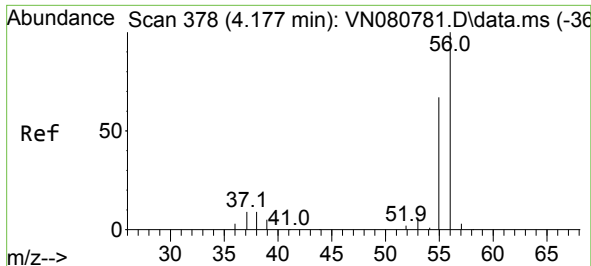
Tgt Ion: 64 Resp: 208
Ion Ratio Lower Upper
64 100
66 0.0 26.4 39.6#



#11
Tert butyl alcohol
Concen: 1.954 ug/l
RT: 5.512 min Scan# 605
Delta R.T. 0.000 min
Lab File: VN080911.D
Acq: 05 Feb 2024 21:02

Tgt Ion: 59 Resp: 443
Ion Ratio Lower Upper
59 100
57 0.0 8.6 12.8#





#13

Acrolein

Concen: 0.224 ug/l

RT: 4.171 min Scan# 31

Delta R.T. -0.006 min

Lab File: VN080911.D

Acq: 05 Feb 2024 21:02

Instrument :

MSVOA_N

ClientSampleId :

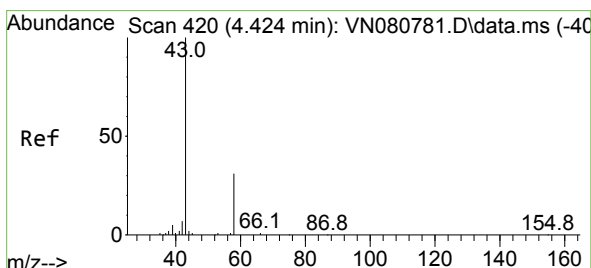
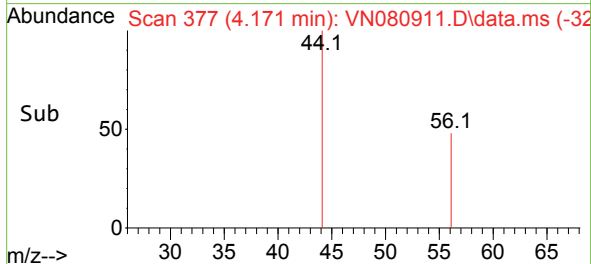
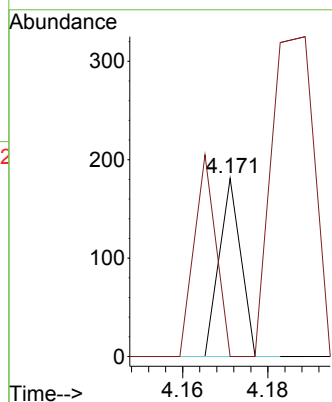
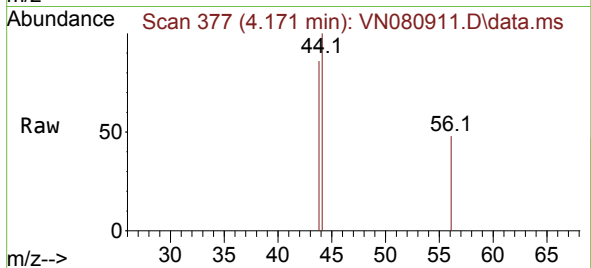
EB-6-7-9

Tgt Ion: 56 Resp: 64

Ion Ratio Lower Upper

56 100

55 112.5 55.3 82.9#



#16

Acetone

Concen: 28.001 ug/l

RT: 4.436 min Scan# 422

Delta R.T. 0.012 min

Lab File: VN080911.D

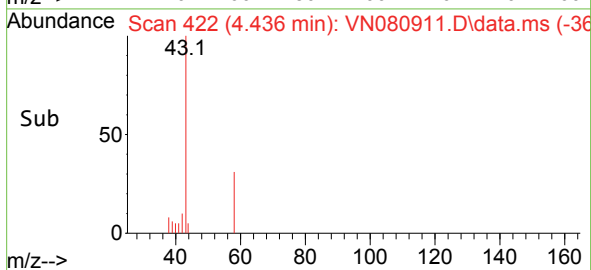
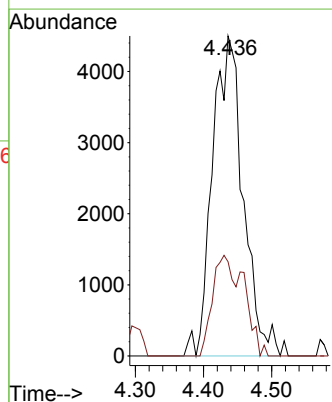
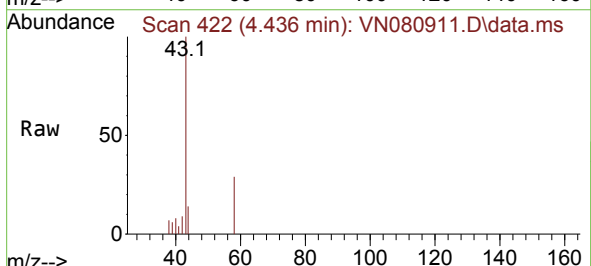
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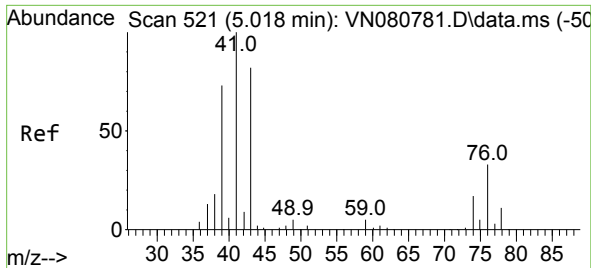
Tgt Ion: 43 Resp: 14123

Ion Ratio Lower Upper

43 100

58 29.4 24.8 37.2

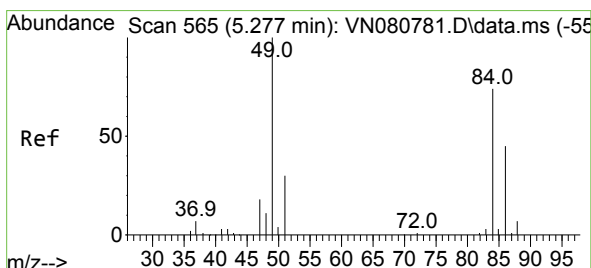
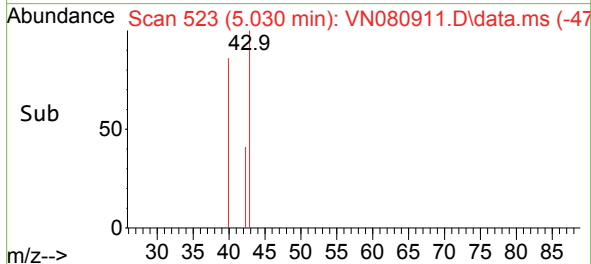
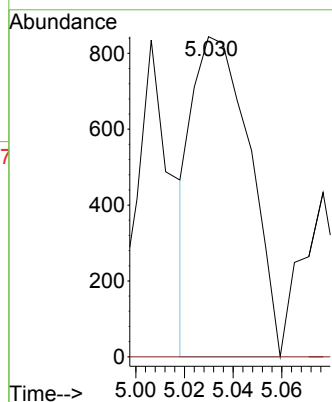
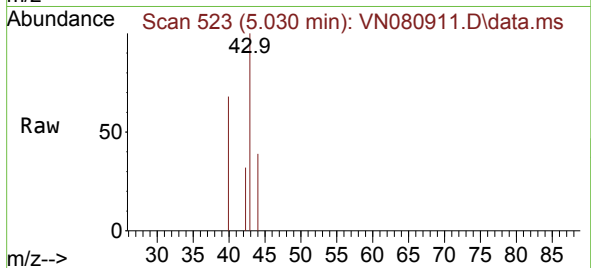




#18
Methyl Acetate
Concen: 0.781 ug/l
RT: 5.030 min Scan# 51
Delta R.T. 0.012 min
Lab File: VN080911.D
Acq: 05 Feb 2024 21:02

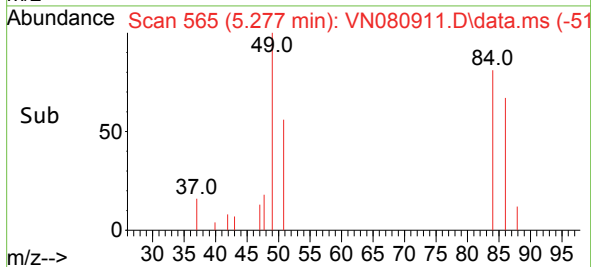
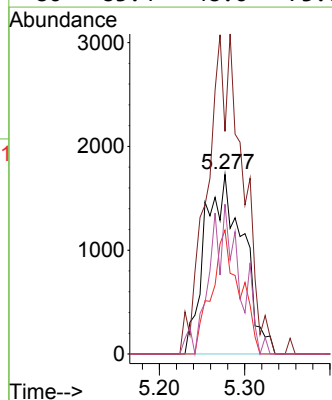
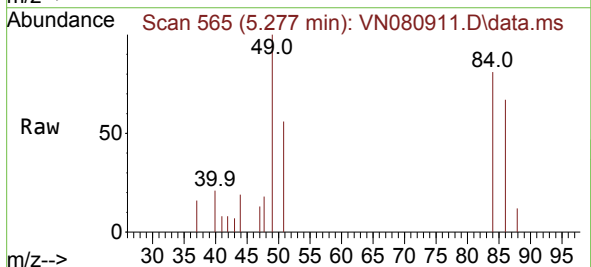
Instrument :
MSVOA_N
ClientSampleId :
EB-6-7-9

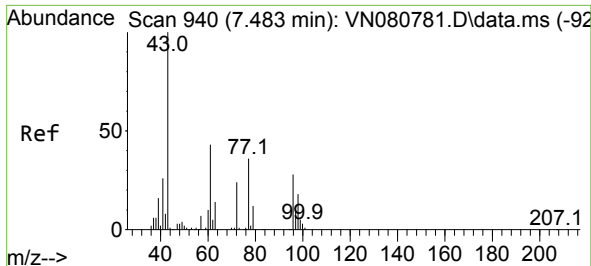
Tgt Ion: 43 Resp: 1372
Ion Ratio Lower Upper
43 100
74 0.0 17.3 25.9#



#20
Methylene Chloride
Concen: 4.073 ug/l
RT: 5.277 min Scan# 565
Delta R.T. 0.000 min
Lab File: VN080911.D
Acq: 05 Feb 2024 21:02

Tgt Ion: 84 Resp: 5392
Ion Ratio Lower Upper
84 100
49 124.0 108.1 162.1
51 69.0 32.9 49.3#
86 83.4 48.6 73.0#

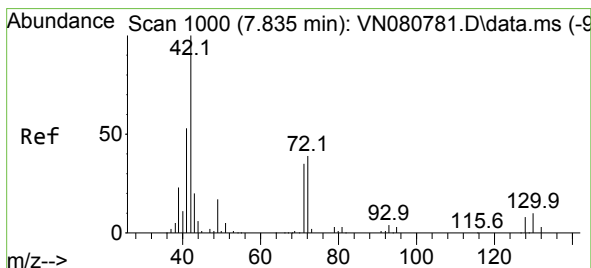
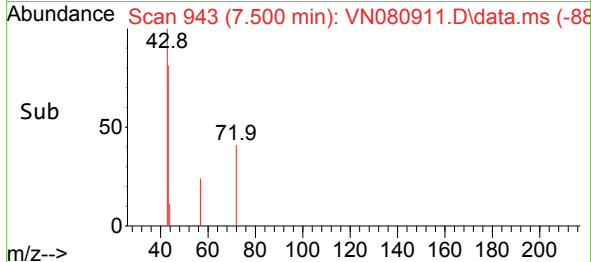
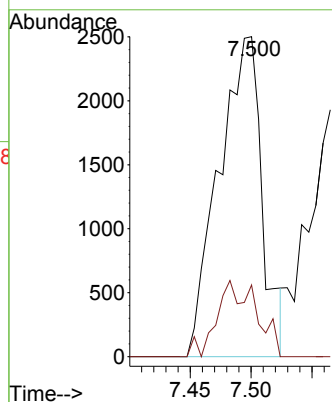
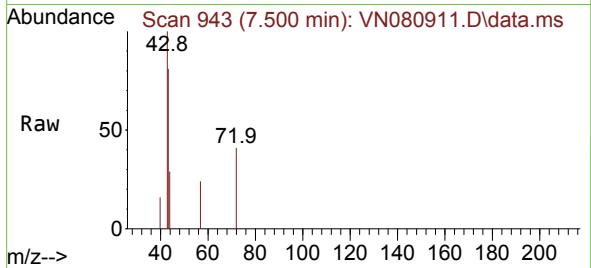




#25
2-Butanone
Concen: 6.422 ug/l
RT: 7.500 min Scan# 940
Delta R.T. 0.018 min
Lab File: VN080911.D
Acq: 05 Feb 2024 21:02

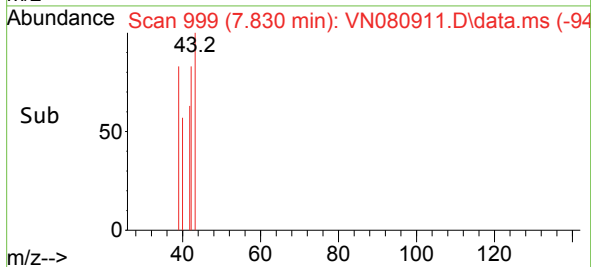
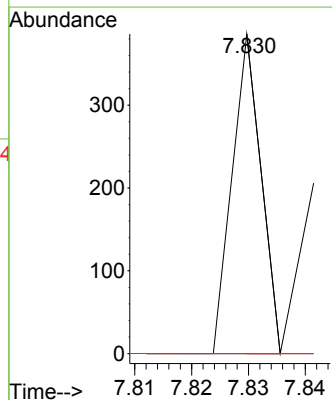
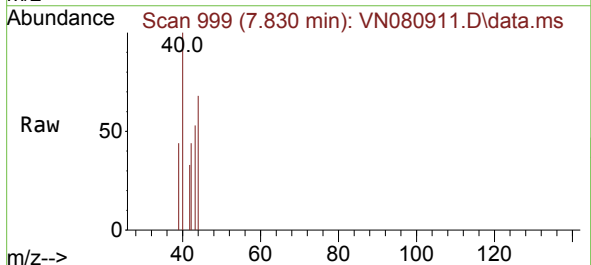
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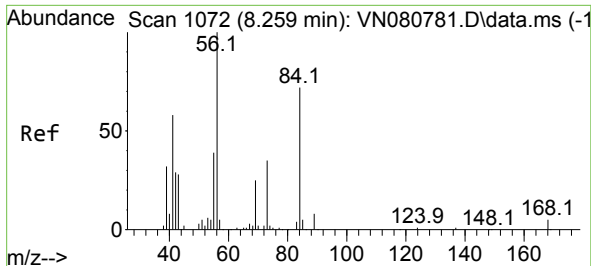
Tgt Ion: 43 Resp: 6152
Ion Ratio Lower Upper
43 100
72 22.4 19.5 29.3



#29
Tetrahydrofuran
Concen: 0.210 ug/l
RT: 7.830 min Scan# 999
Delta R.T. -0.006 min
Lab File: VN080911.D
Acq: 05 Feb 2024 21:02

Tgt Ion: 42 Resp: 136
Ion Ratio Lower Upper
42 100
72 0.0 31.1 46.7#
71 0.0 28.3 42.5#

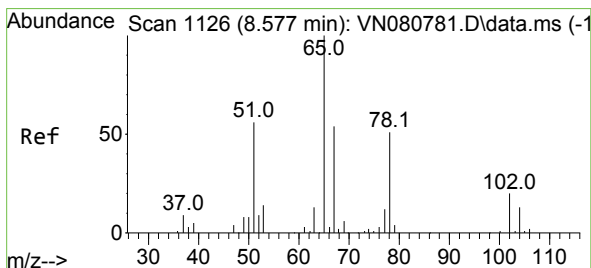
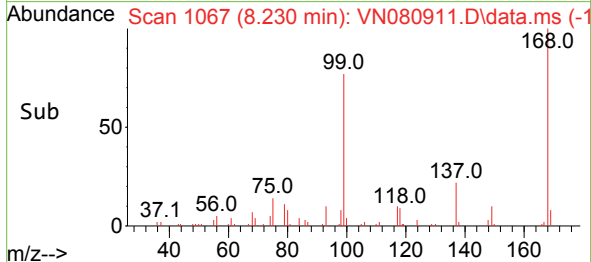
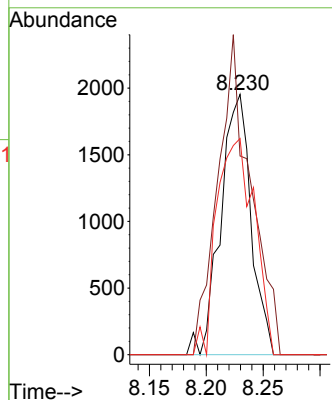
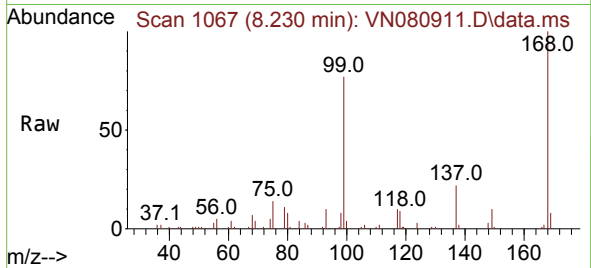




#31
Cyclohexane
Concen: 1.518 ug/l
RT: 8.230 min Scan# 1067
Delta R.T. -0.029 min
Lab File: VN080911.D
Acq: 05 Feb 2024 21:02

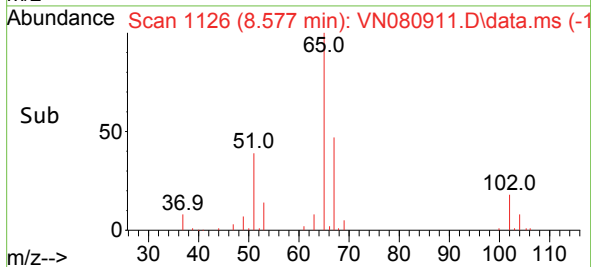
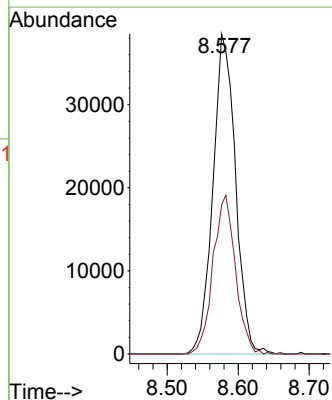
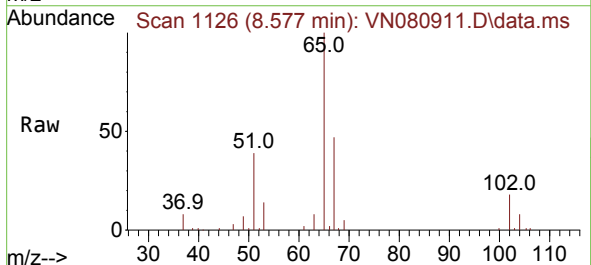
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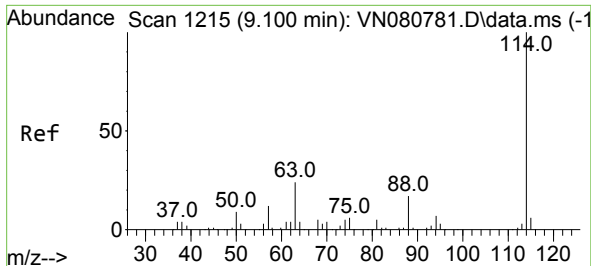
Tgt Ion: 56 Resp: 3621
Ion Ratio Lower Upper
56 100
69 76.3 20.1 30.1#
84 83.1 56.9 85.3



#33
1,2-Dichloroethane-d4
Concen: 61.076 ug/l
RT: 8.577 min Scan# 1126
Delta R.T. 0.000 min
Lab File: VN080911.D
Acq: 05 Feb 2024 21:02

Tgt Ion: 65 Resp: 84938
Ion Ratio Lower Upper
65 100
67 49.3 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: VN080911.D

Acq: 05 Feb 2024 21:02

Instrument :

MSVOA_N

ClientSampleId :

EB-6-7-9

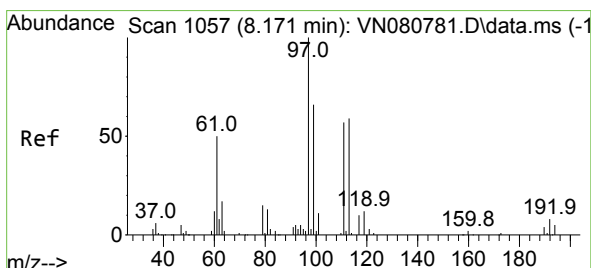
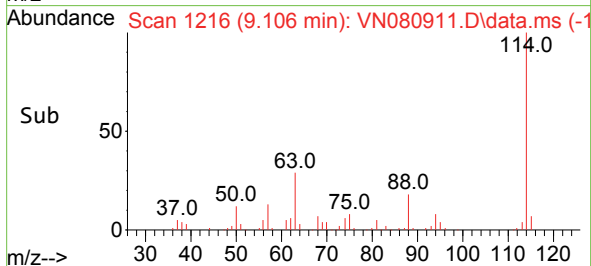
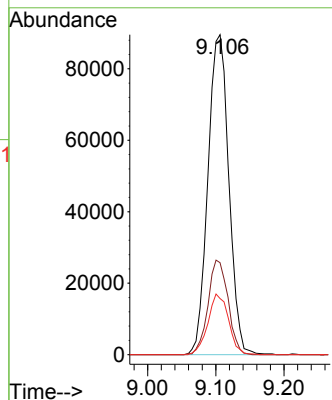
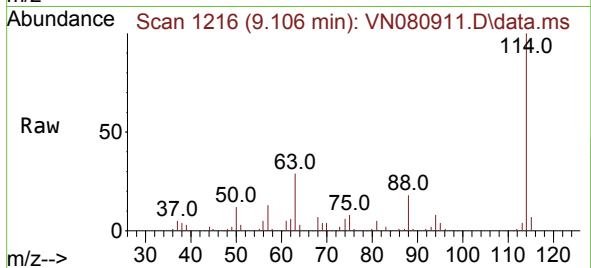
Tgt Ion:114 Resp: 191299

Ion Ratio Lower Upper

114 100

63 28.7 0.0 48.0

88 17.6 0.0 34.8



#35

Dibromofluoromethane

Concen: 48.186 ug/l

RT: 8.171 min Scan# 1057

Delta R.T. 0.000 min

Lab File: VN080911.D

Acq: 05 Feb 2024 21:02

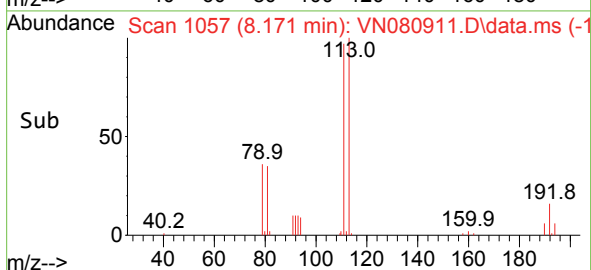
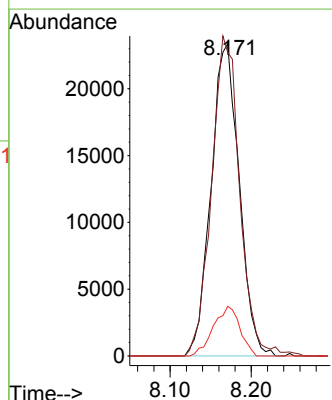
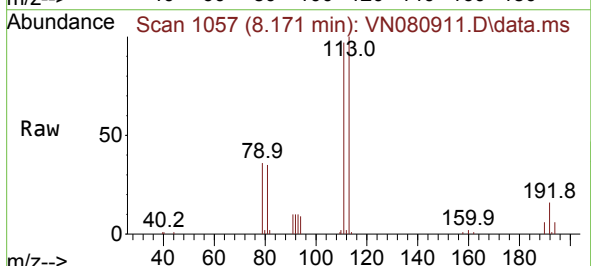
Tgt Ion:113 Resp: 56396

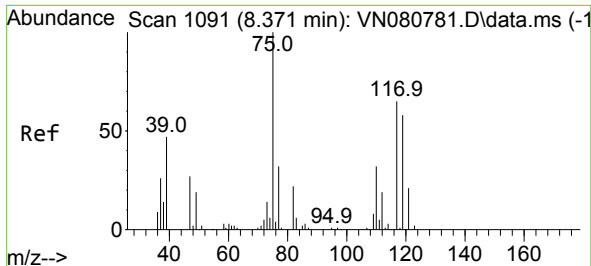
Ion Ratio Lower Upper

113 100

111 102.2 82.2 123.4

192 14.9 12.5 18.7





#36

1,1-Dichloropropene

Concen: 4.691 ug/l

RT: 8.230 min Scan# 1067

Delta R.T. -0.141 min

Lab File: VN080911.D

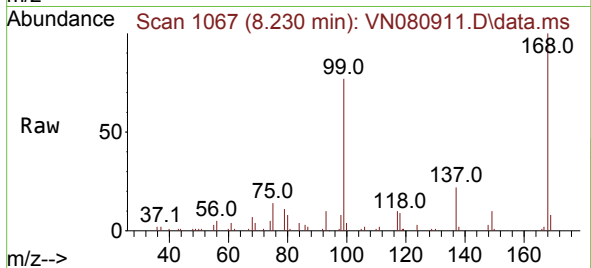
Acq: 05 Feb 2024 21:02

Instrument :

MSVOA_N

ClientSampleId :

EB-6-7-9



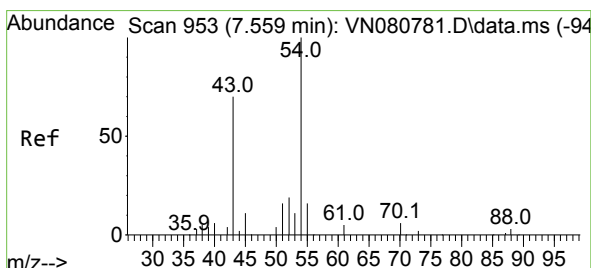
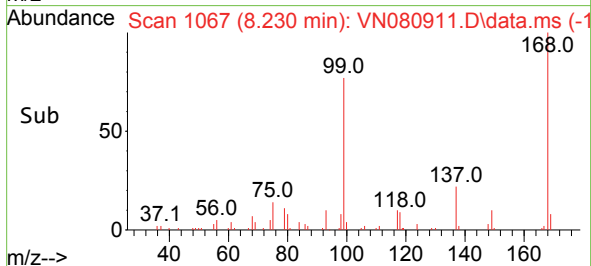
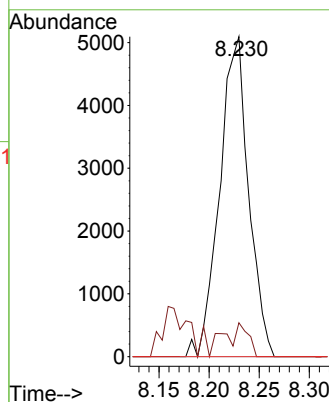
Tgt Ion: 75 Resp: 10205

Ion Ratio Lower Upper

75 100

110 4.4 16.0 48.0#

77 0.0 25.8 38.6#



#37

Ethyl Acetate

Concen: 2.020 ug/l

RT: 7.565 min Scan# 954

Delta R.T. 0.006 min

Lab File: VN080911.D

Acq: 05 Feb 2024 21:02

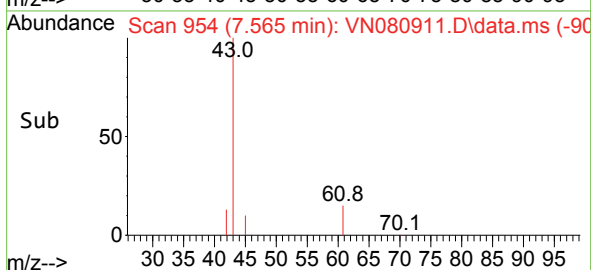
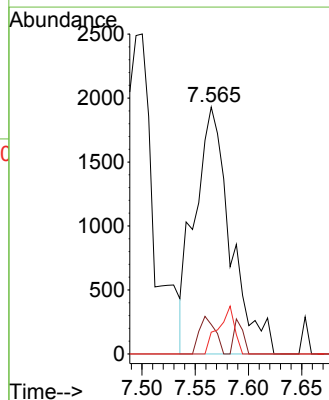
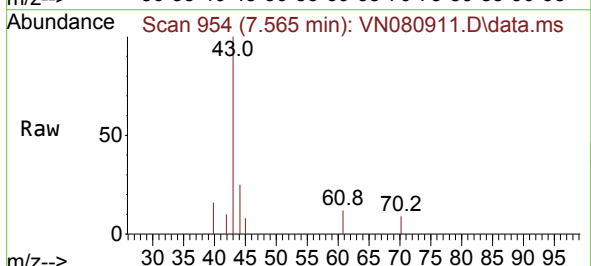
Tgt Ion: 43 Resp: 4524

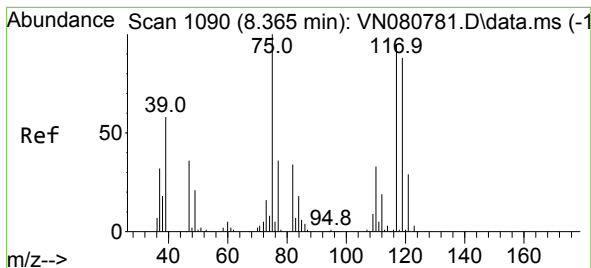
Ion Ratio Lower Upper

43 100

61 6.7 10.6 15.8#

70 0.0 8.0 12.0#





#38

Carbon Tetrachloride

Concen: 6.049 ug/l

RT: 8.236 min Scan# 1106

Delta R.T. -0.129 min

Lab File: VN080911.D

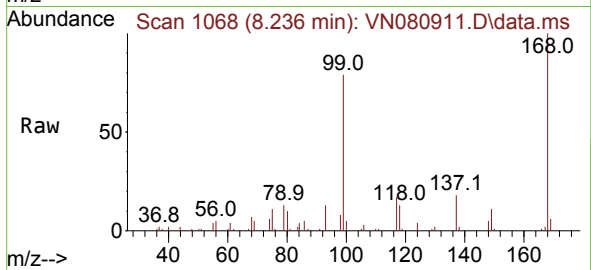
Acq: 05 Feb 2024 21:02

Instrument :

MSVOA_N

ClientSampleId :

EB-6-7-9



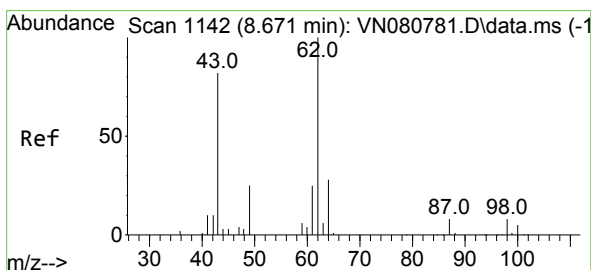
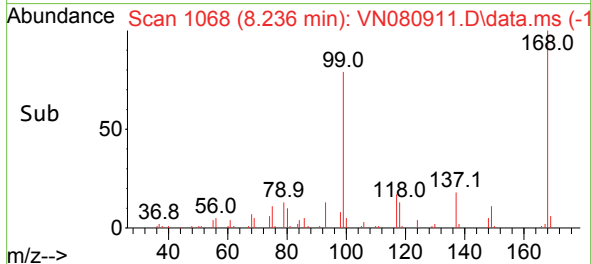
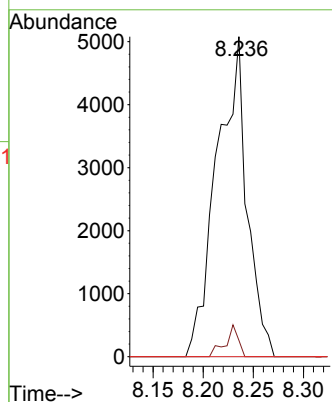
Tgt Ion:117 Resp: 10602

Ion Ratio Lower Upper

117 100

119 5.1 73.4 110.2#

121 0.0 24.4 36.6#



#42

1,2-Dichloroethane

Concen: 0.362 ug/l

RT: 8.688 min Scan# 1145

Delta R.T. 0.018 min

Lab File: VN080911.D

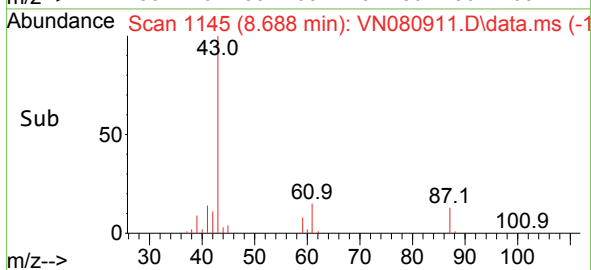
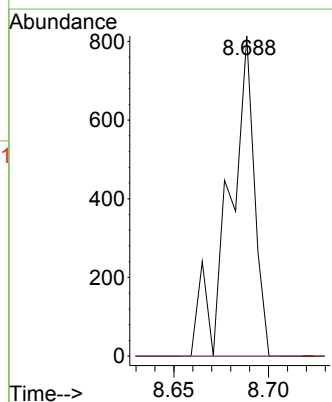
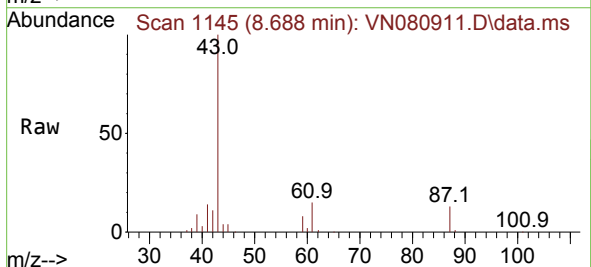
Acq: 05 Feb 2024 21:02

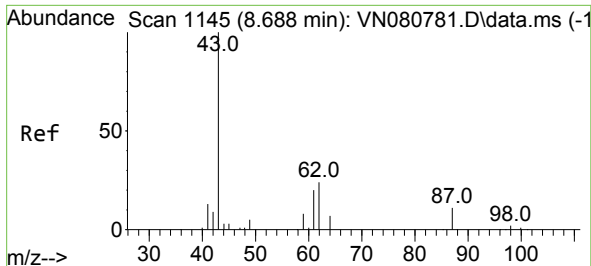
Tgt Ion: 62 Resp: 753

Ion Ratio Lower Upper

62 100

98 0.0 0.0 18.0

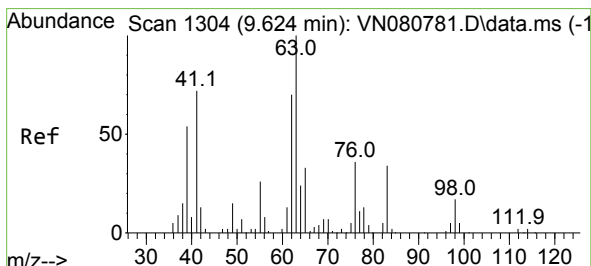
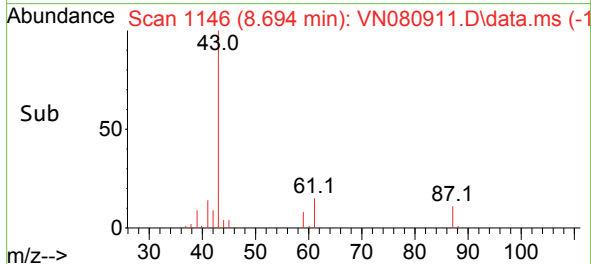
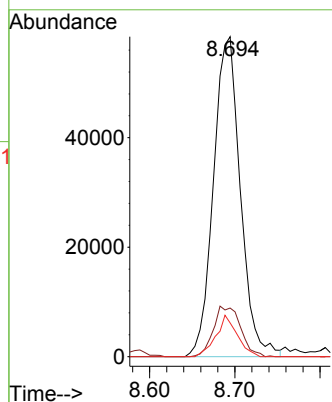
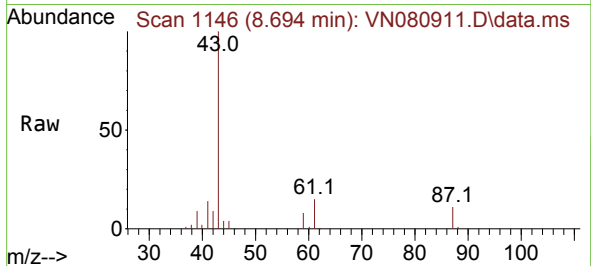




#43
Isopropyl Acetate
Concen: 31.454 ug/l
RT: 8.694 min Scan# 1145
Delta R.T. 0.006 min
Lab File: VN080911.D
Acq: 05 Feb 2024 21:02

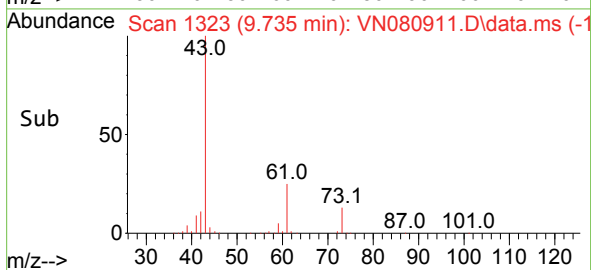
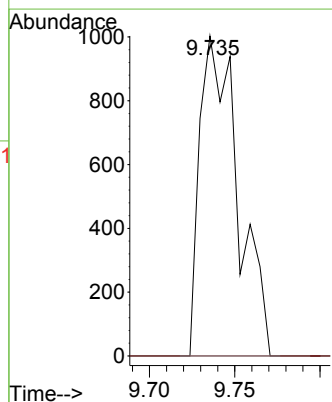
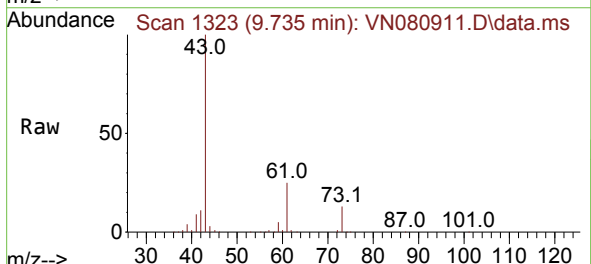
Instrument :
MSVOA_N
ClientSampleId :
EB-6-7-9

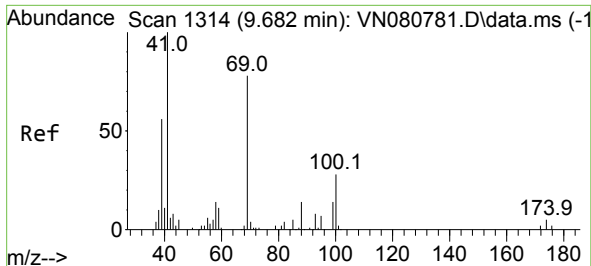
Tgt Ion: 43 Resp: 128242
Ion Ratio Lower Upper
43 100
61 15.9 19.9 29.9#
87 10.2 9.0 13.6



#45
1,2-Dichloropropane
Concen: 0.904 ug/l
RT: 9.735 min Scan# 1323
Delta R.T. 0.112 min
Lab File: VN080911.D
Acq: 05 Feb 2024 21:02

Tgt Ion: 63 Resp: 1564
Ion Ratio Lower Upper
63 100
65 0.0 26.1 39.1#

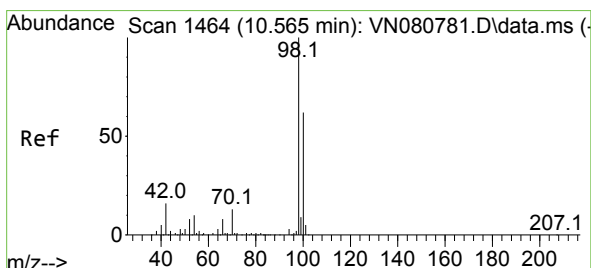
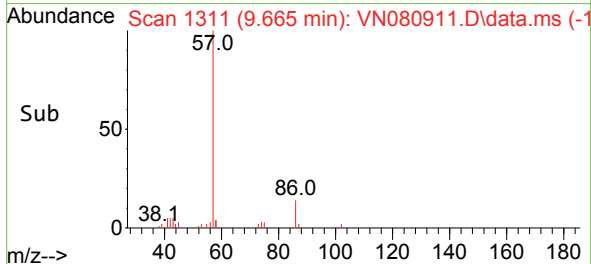
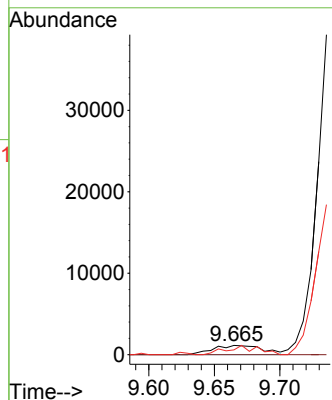
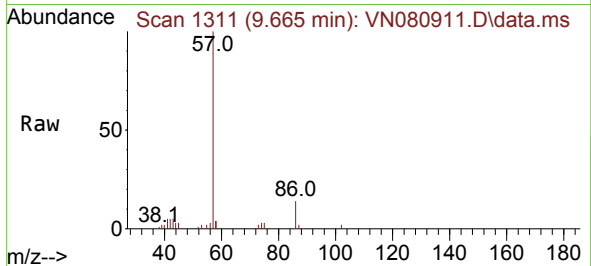




#48
Methyl methacrylate
Concen: 1.523 ug/l
RT: 9.665 min Scan# 11
Delta R.T. -0.018 min
Lab File: VN080911.D
Acq: 05 Feb 2024 21:02

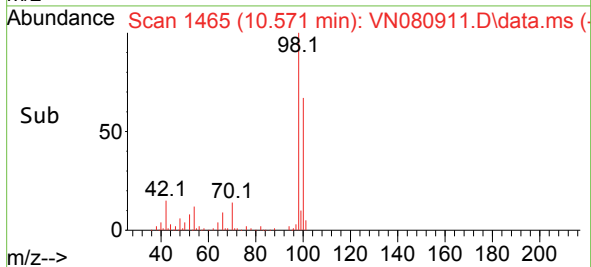
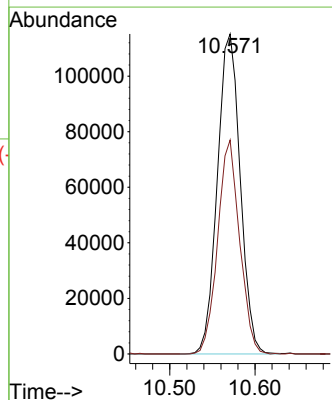
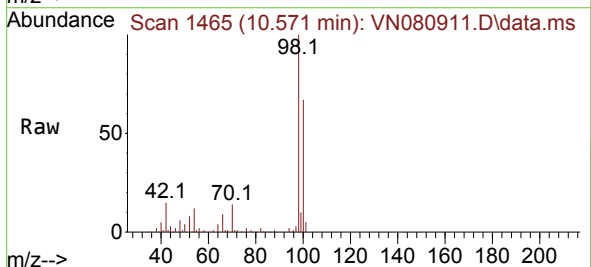
Instrument :
MSVOA_N
ClientSampleId :
EB-6-7-9

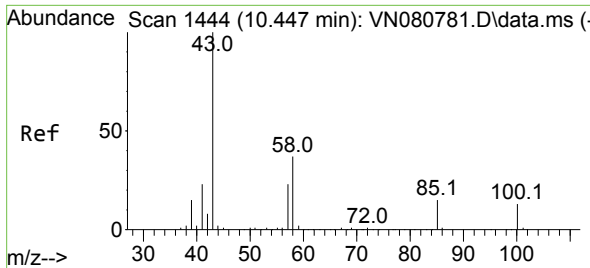
Tgt Ion: 41 Resp: 3010
Ion Ratio Lower Upper
41 100
69 0.0 62.2 93.2#
39 62.2 47.6 71.4



#50
Toluene-d8
Concen: 46.826 ug/l
RT: 10.571 min Scan# 1465
Delta R.T. 0.006 min
Lab File: VN080911.D
Acq: 05 Feb 2024 21:02

Tgt Ion: 98 Resp: 214499
Ion Ratio Lower Upper
98 100
100 64.2 51.4 77.0

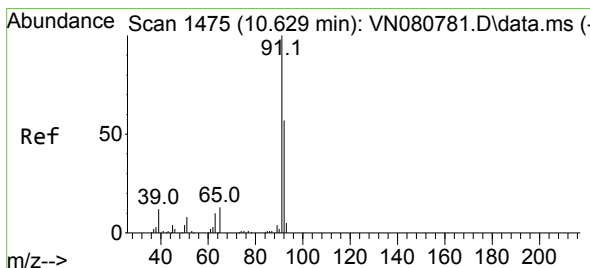
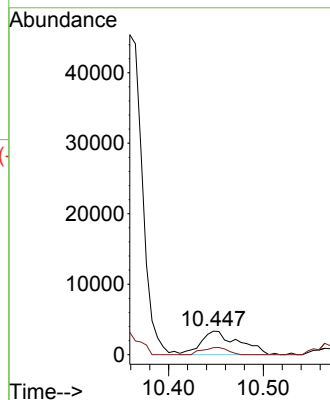
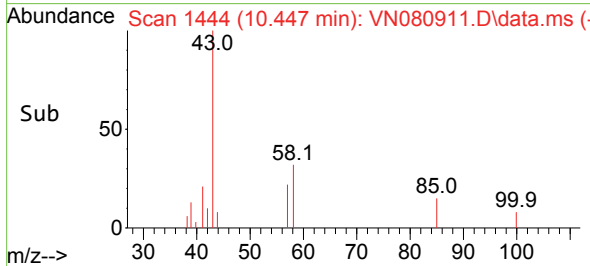
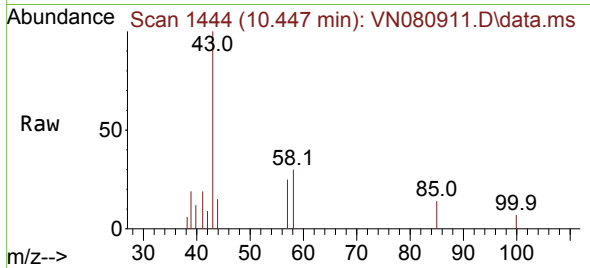




#51
4-Methyl-2-Pentanone
Concen: 4.050 ug/l
RT: 10.447 min Scan# 1444
Delta R.T. 0.000 min
Lab File: VN080911.D
Acq: 05 Feb 2024 21:02

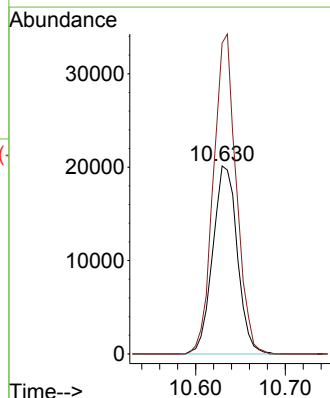
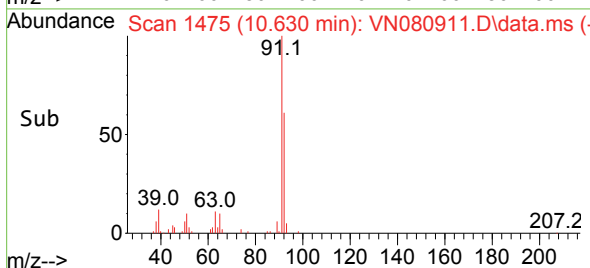
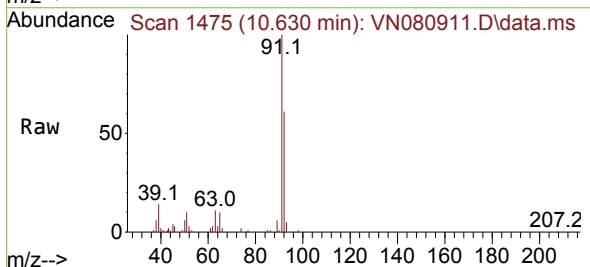
Instrument :
MSVOA_N
ClientSampleId :
EB-6-7-9

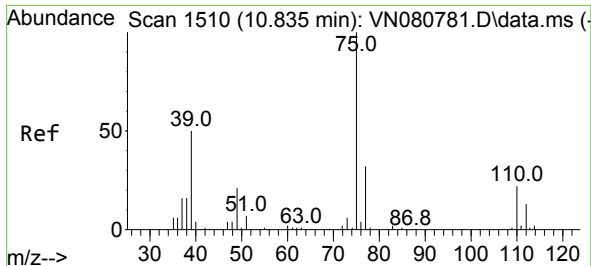
Tgt Ion: 43 Resp: 9231
Ion Ratio Lower Upper
43 100
58 20.6 29.4 44.0#



#52
Toluene
Concen: 10.439 ug/l
RT: 10.630 min Scan# 1475
Delta R.T. 0.000 min
Lab File: VN080911.D
Acq: 05 Feb 2024 21:02

Tgt Ion: 92 Resp: 38269
Ion Ratio Lower Upper
92 100
91 158.3 139.4 209.0

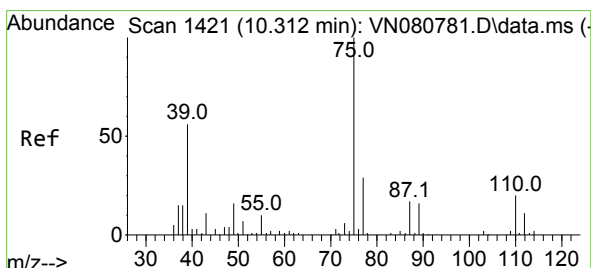
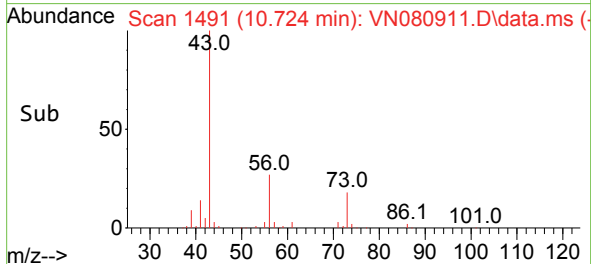
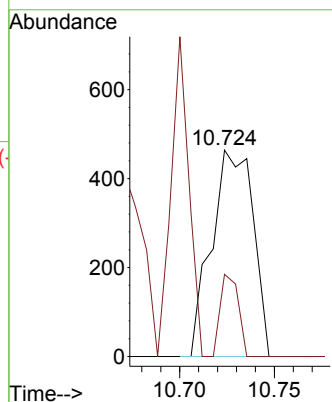
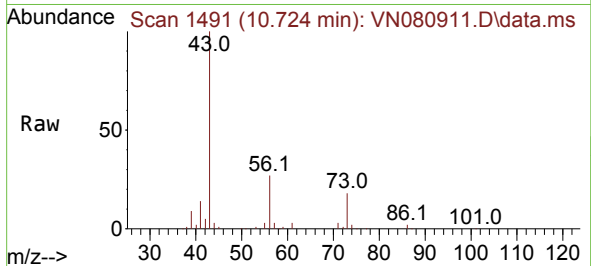




#53
t-1,3-Dichloropropene
Concen: 0.292 ug/l
RT: 10.724 min Scan# 1491
Delta R.T. -0.112 min
Lab File: VN080911.D
Acq: 05 Feb 2024 21:02

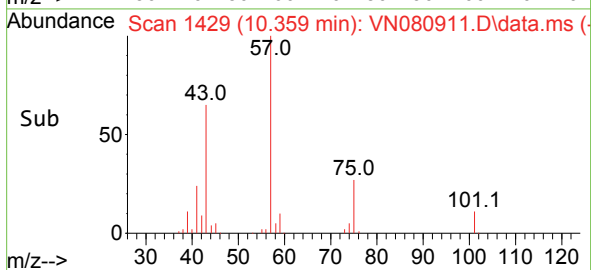
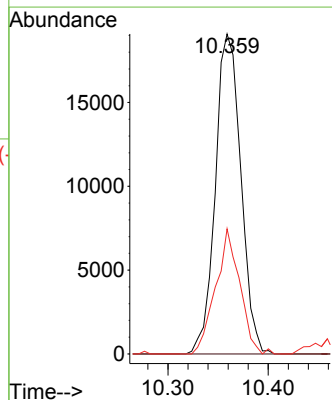
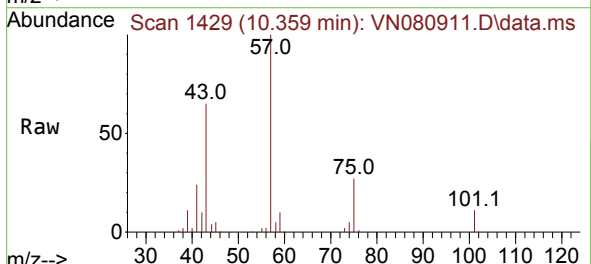
Instrument :
MSVOA_N
ClientSampleId :
EB-6-7-9

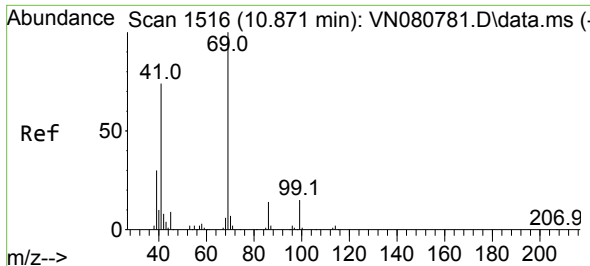
Tgt Ion: 75 Resp: 709
Ion Ratio Lower Upper
75 100
77 39.9 25.5 38.3#



#54
cis-1,3-Dichloropropene
Concen: 12.764 ug/l
RT: 10.359 min Scan# 1429
Delta R.T. 0.047 min
Lab File: VN080911.D
Acq: 05 Feb 2024 21:02

Tgt Ion: 75 Resp: 33672
Ion Ratio Lower Upper
75 100
77 0.0 23.3 34.9#
39 39.1 44.6 66.8#

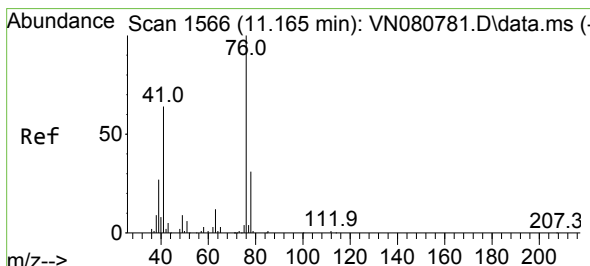
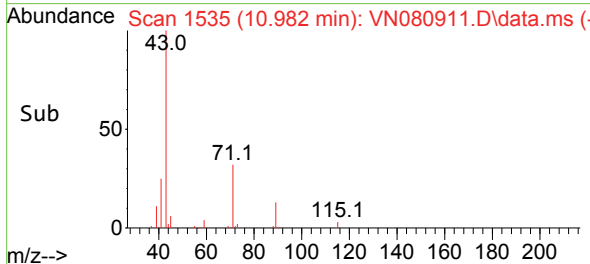
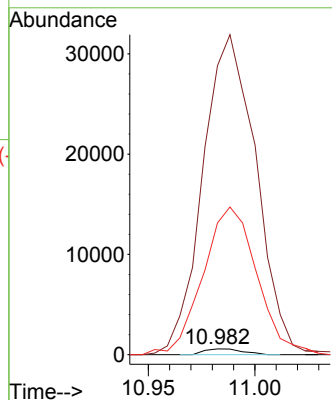
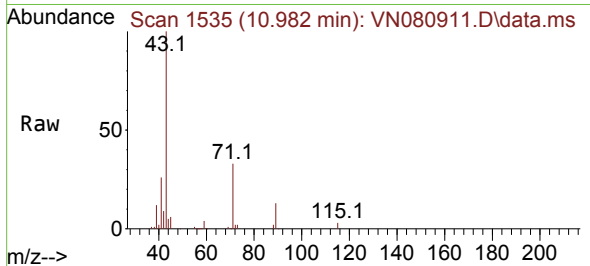




#56
Ethyl methacrylate
Concen: 0.332 ug/l
RT: 10.982 min Scan# 1535
Delta R.T. 0.111 min
Lab File: VN080911.D
Acq: 05 Feb 2024 21:02

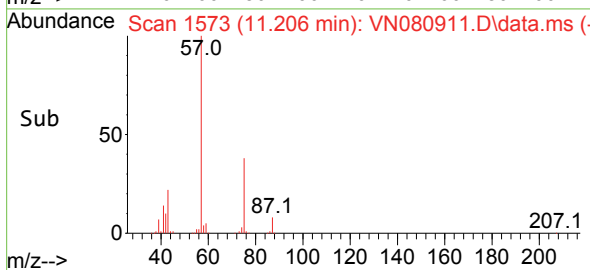
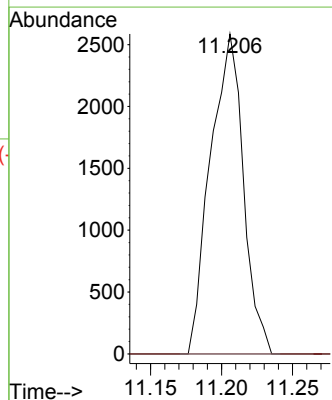
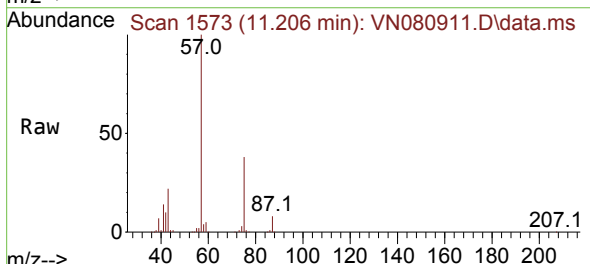
Instrument :
MSVOA_N
ClientSampleId :
EB-6-7-9

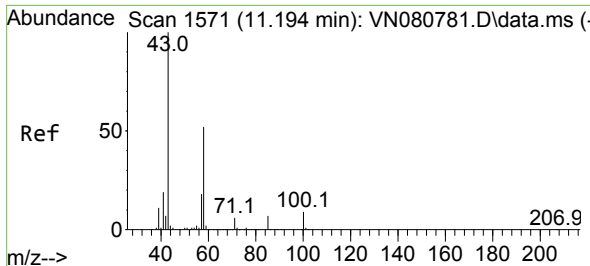
Tgt Ion: 69 Resp: 719
Ion Ratio Lower Upper
69 100
41 7762.3 61.0 91.6#
39 3622.0 31.8 47.6#



#57
1,3-Dichloropropane
Concen: 1.575 ug/l
RT: 11.206 min Scan# 1573
Delta R.T. 0.041 min
Lab File: VN080911.D
Acq: 05 Feb 2024 21:02

Tgt Ion: 76 Resp: 4175
Ion Ratio Lower Upper
76 100
78 0.0 25.5 38.3#

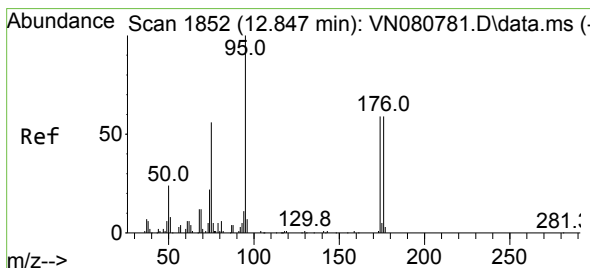
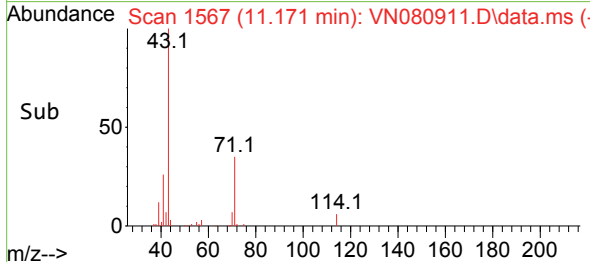
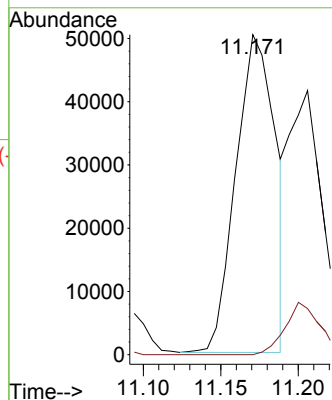
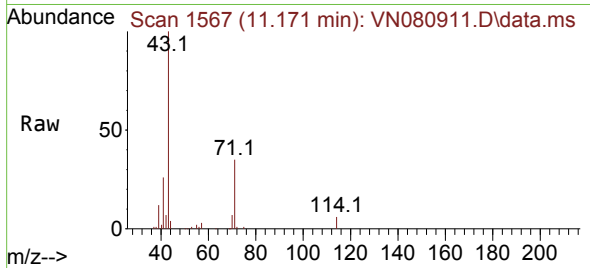




#59
2-Hexanone
Concen: 50.100 ug/l
RT: 11.171 min Scan# 111
Delta R.T. -0.023 min
Lab File: VN080911.D
Acq: 05 Feb 2024 21:02

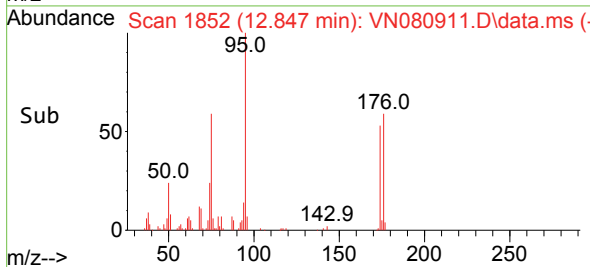
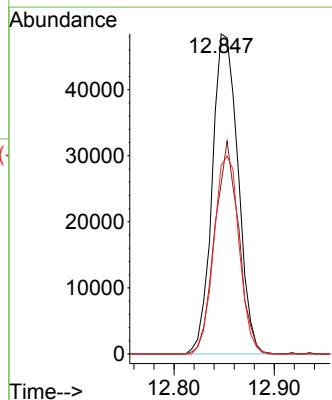
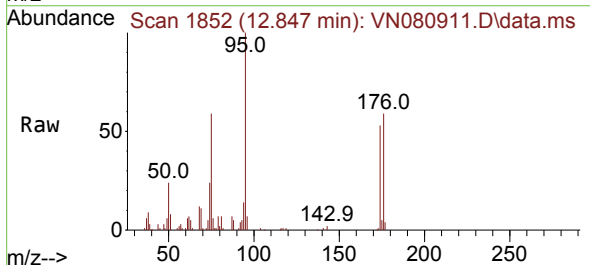
Instrument :
MSVOA_N
ClientSampleId :
EB-6-7-9

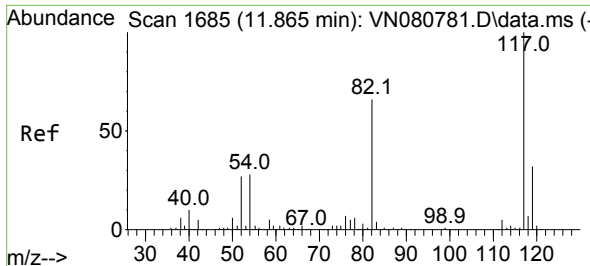
Tgt Ion: 43 Resp: 88697
Ion Ratio Lower Upper
43 100
58 0.0 25.9 77.8#



#62
4-Bromofluorobenzene
Concen: 54.187 ug/l
RT: 12.847 min Scan# 1852
Delta R.T. 0.000 min
Lab File: VN080911.D
Acq: 05 Feb 2024 21:02

Tgt Ion: 95 Resp: 86498
Ion Ratio Lower Upper
95 100
174 61.9 0.0 120.4
176 61.0 0.0 121.0

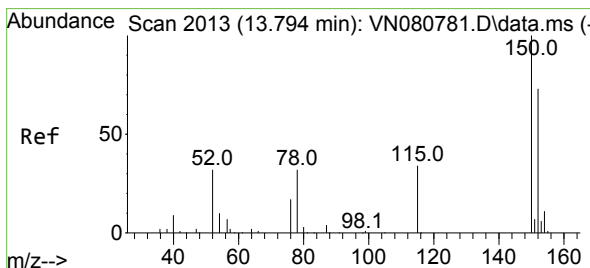
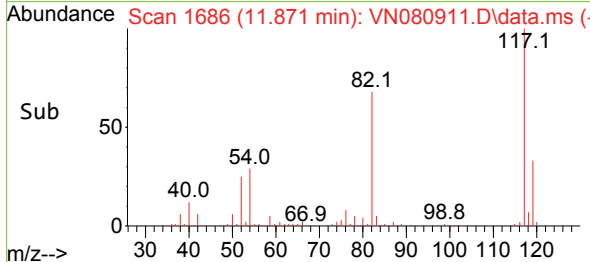
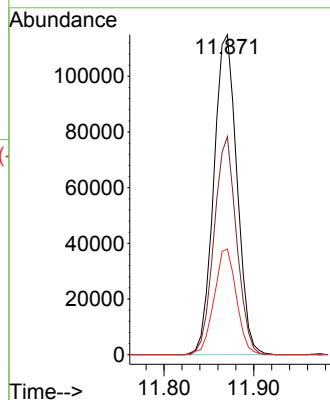
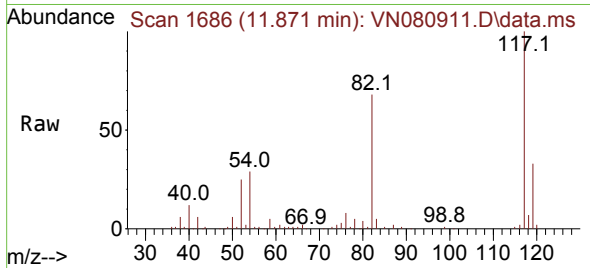




#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.871 min Scan# 11
Delta R.T. 0.006 min
Lab File: VN080911.D
Acq: 05 Feb 2024 21:02

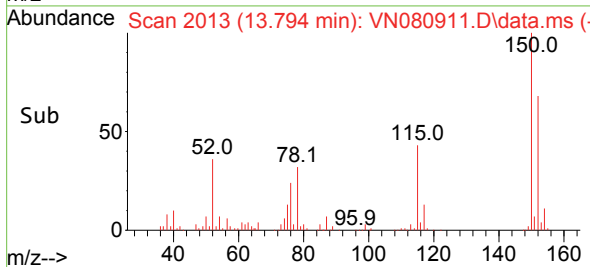
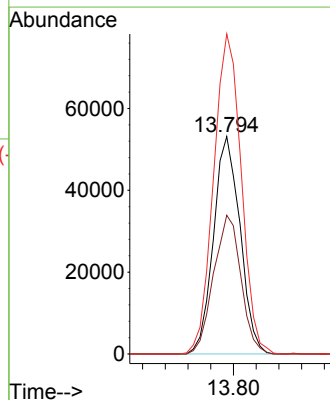
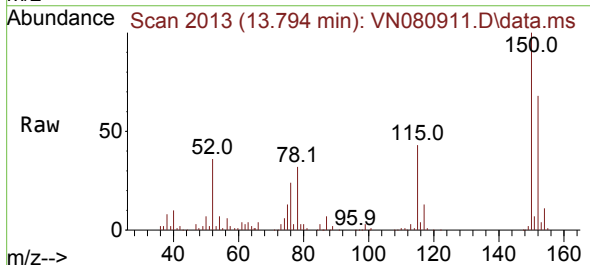
Instrument :
MSVOA_N
ClientSampleId :
EB-6-7-9

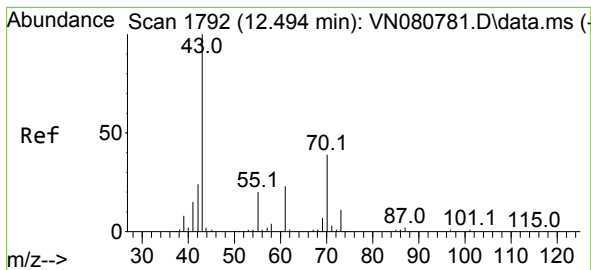
Tgt Ion:117 Resp: 205824
Ion Ratio Lower Upper
117 100
82 68.2 52.7 79.1
119 33.0 25.3 37.9



#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 13.794 min Scan# 2013
Delta R.T. 0.000 min
Lab File: VN080911.D
Acq: 05 Feb 2024 21:02

Tgt Ion:152 Resp: 86246
Ion Ratio Lower Upper
152 100
115 65.7 32.3 96.8
150 153.0 0.0 339.8

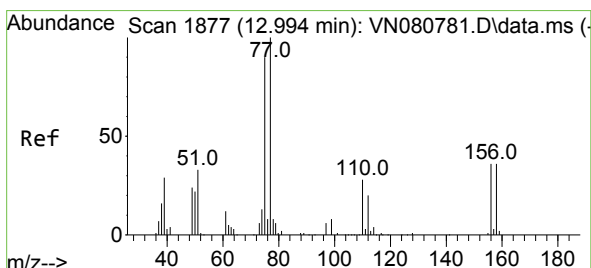
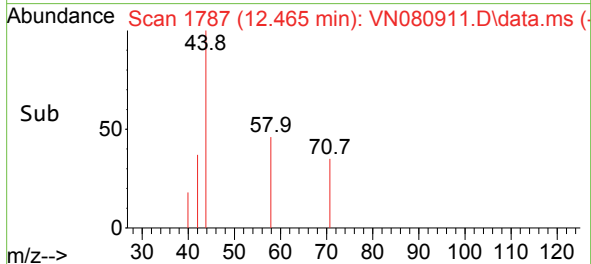
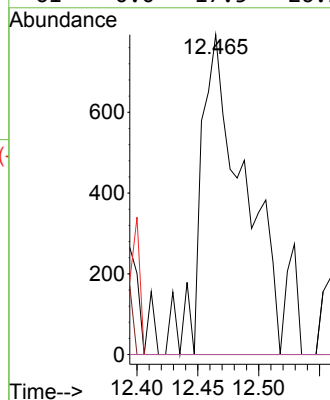
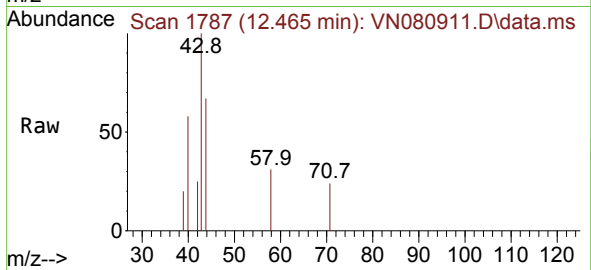




#74
N-amy1 acetate
Concen: 0.392 ug/l
RT: 12.465 min Scan# 1787
Delta R.T. -0.029 min
Lab File: VN080911.D
Acq: 05 Feb 2024 21:02

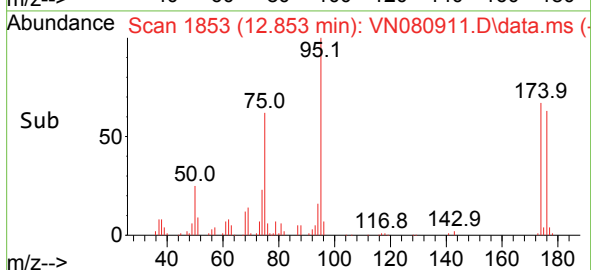
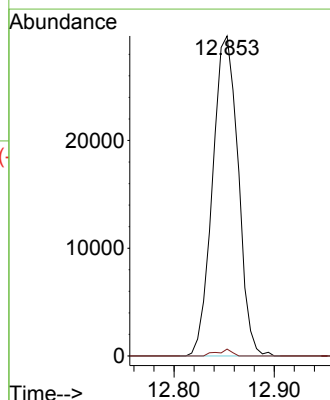
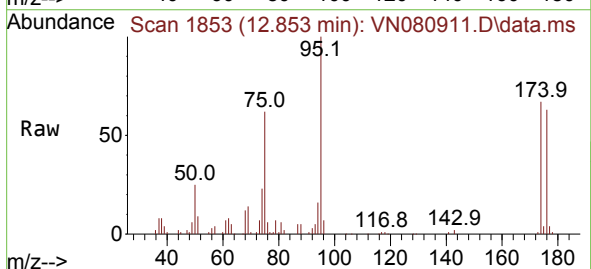
Instrument :
MSVOA_N
ClientSampleId :
EB-6-7-9

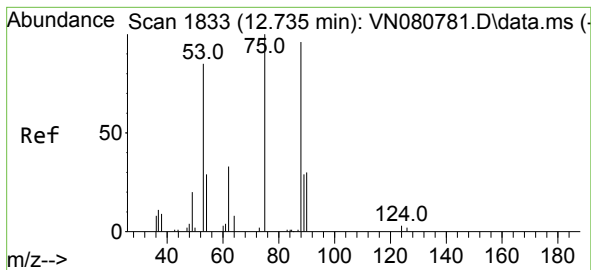
Tgt Ion: 43 Resp: 1923
Ion Ratio Lower Upper
43 100
70 0.0 30.1 45.1#
55 0.0 17.0 25.4#
61 0.0 17.5 26.3#



#76
1,2,3-Trichloropropane
Concen: 20.237 ug/l
RT: 12.853 min Scan# 1853
Delta R.T. -0.141 min
Lab File: VN080911.D
Acq: 05 Feb 2024 21:02

Tgt Ion: 75 Resp: 52640
Ion Ratio Lower Upper
75 100
77 1.2 91.0 272.8#





#81
 trans-1,4-Dichloro-2-butene
 Concen: 52.134 ug/l
 RT: 12.853 min Scan# 11
 Delta R.T. 0.118 min
 Lab File: VN080911.D
 Acq: 05 Feb 2024 21:02

Instrument :
 MSVOA_N
 ClientSampleId :
 EB-6-7-9

Tgt Ion: 75 Resp: 52640
 Ion Ratio Lower Upper
 75 100
 53 0.0 71.4 107.2#
 89 0.0 33.4 50.0#

