

Data Path : Z:\voasrv\HPCHEM1\MSVOA_N\Data\VN020524\
 Data File : VN080912.D
 Acq On : 05 Feb 2024 21:26
 Operator : JC\MD
 Sample : P1367-08
 Misc : 5.0mL/MSVOA_N/WATER
 ALS Vial : 23 Sample Multiplier: 1

Instrument :
 MSVOA_N
 ClientSampleId :
 EB-7-5-7

Quant Time: Feb 06 04:49:47 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)

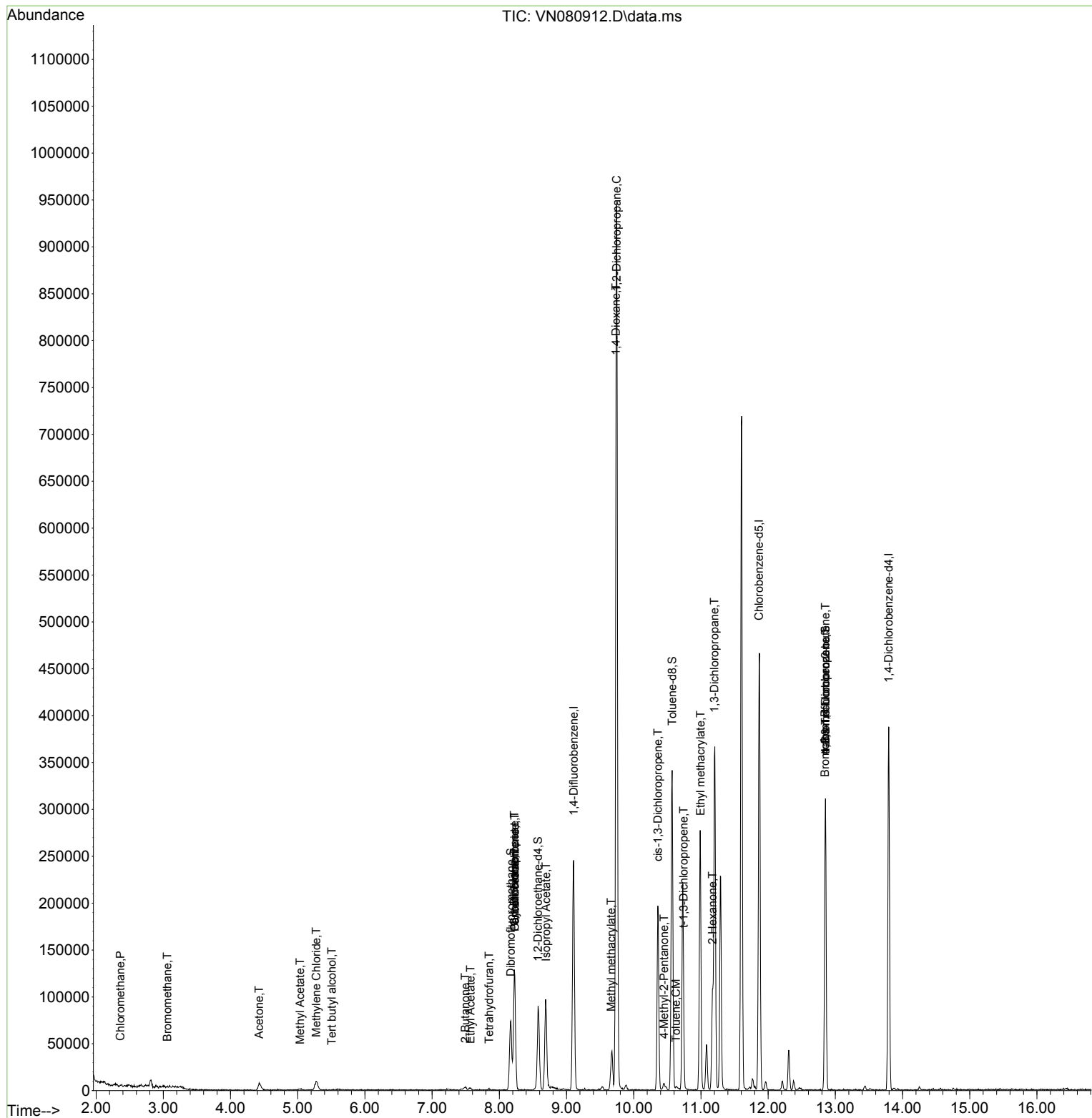
Internal Standards						
1) Pentafluorobenzene	8.230	168	75636	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	9.106	114	185697	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.865	117	229413	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.794	152	86371	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.577	65	65246	49.864	ug/l	0.00
Spiked Amount 50.000	Range 74 - 125		Recovery =	99.720%		
35) Dibromofluoromethane	8.171	113	51128	45.003	ug/l	0.00
Spiked Amount 50.000	Range 75 - 124		Recovery =	90.000%		
50) Toluene-d8	10.571	98	217196	48.845	ug/l	0.00
Spiked Amount 50.000	Range 86 - 113		Recovery =	97.700%		
62) 4-Bromofluorobenzene	12.853	95	100937	65.140	ug/l	0.00
Spiked Amount 50.000	Range 83 - 123		Recovery =	130.280%#		
Target Compounds						
					Qvalue	
3) Chloromethane	2.360	50	1155	0.684	ug/l #	46
5) Bromomethane	3.059	94	164	0.319	ug/l #	6
11) Tert butyl alcohol	5.506	59	596	2.794	ug/l #	72
16) Acetone	4.424	43	14469	30.490	ug/l	89
18) Methyl Acetate	5.036	43	2107	1.274	ug/l #	86
20) Methylene Chloride	5.277	84	6727	5.400	ug/l #	88
25) 2-Butanone	7.495	43	5618	6.233	ug/l	97
29) Tetrahydrofuran	7.847	42	538	0.882	ug/l #	83
31) Cyclohexane	8.224	56	2814	1.254	ug/l #	1
36) 1,1-Dichloropropene	8.224	75	9350	4.428	ug/l #	51
37) Ethyl Acetate	7.571	43	3393	1.561	ug/l #	90
38) Carbon Tetrachloride	8.230	117	9474	5.568	ug/l #	14
43) Isopropyl Acetate	8.694	43	114858	29.022	ug/l #	89
45) 1,2-Dichloropropane	9.747	63	1043	0.621	ug/l #	42
48) Methyl methacrylate	9.665	41	3056	1.593	ug/l #	49
49) 1,4-Dioxane	9.736	88	122	5.279	ug/l #	1
51) 4-Methyl-2-Pentanone	10.453	43	8319	3.760	ug/l #	67
52) Toluene	10.630	92	1361	0.382	ug/l	87
53) t-1,3-Dichloropropene	10.741	75	500	0.212	ug/l #	43
54) cis-1,3-Dichloropropene	10.359	75	30423	11.880	ug/l #	66
56) Ethyl methacrylate	10.994	69	794	0.378	ug/l #	1
57) 1,3-Dichloropropane	11.200	76	4109	1.597	ug/l #	43
59) 2-Hexanone	11.171	43	99835	58.093	ug/l #	26
71) Bromoform	12.847	173	376	0.342	ug/l #	30
76) 1,2,3-Trichloropropane	12.853	75	63281	24.293	ug/l #	1
81) trans-1,4-Dichloro-2-b...	12.853	75	63281	62.582	ug/l #	14

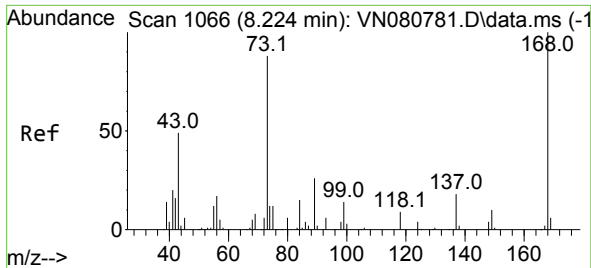
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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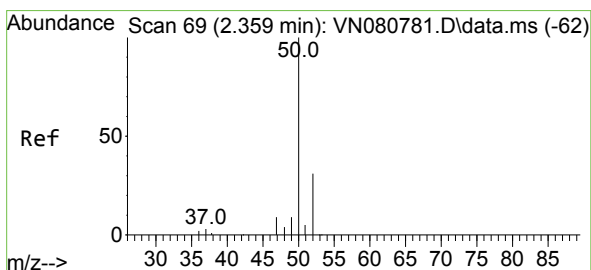
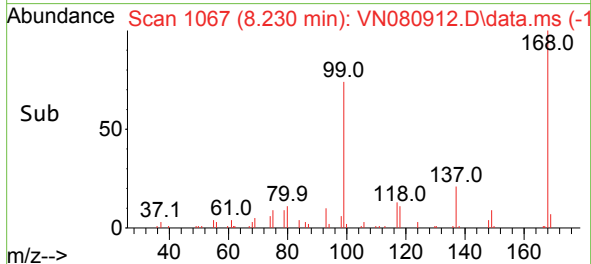
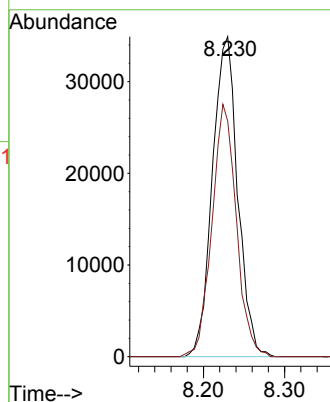
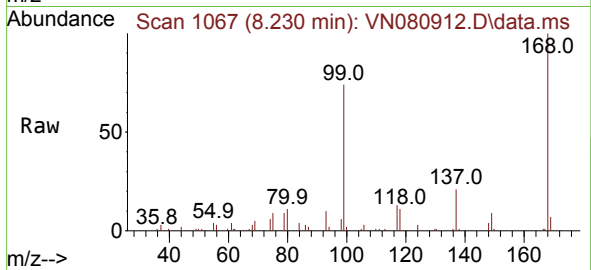




#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 8.230 min Scan# 1066
Delta R.T. 0.006 min
Lab File: VN080912.D
Acq: 05 Feb 2024 21:26

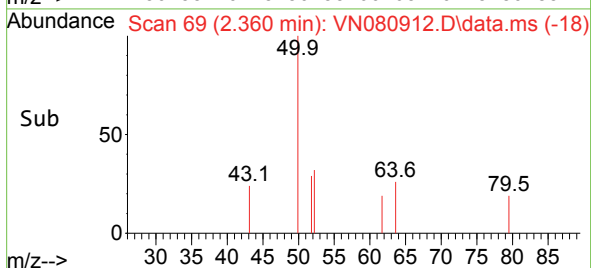
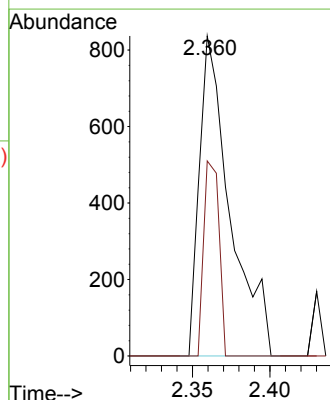
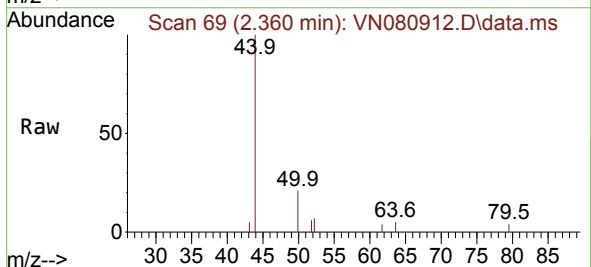
Instrument :
MSVOA_N
ClientSampleId :
EB-7-5-7

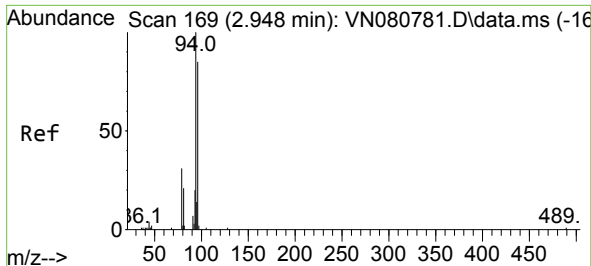
Tgt Ion:168 Resp: 75636
Ion Ratio Lower Upper
168 100
99 73.6 59.9 89.9



#3
Chloromethane
Concen: 0.684 ug/l
RT: 2.360 min Scan# 69
Delta R.T. 0.000 min
Lab File: VN080912.D
Acq: 05 Feb 2024 21:26

Tgt Ion: 50 Resp: 1155
Ion Ratio Lower Upper
50 100
52 60.9 25.0 37.4#

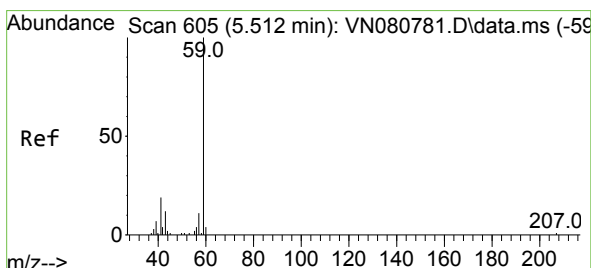
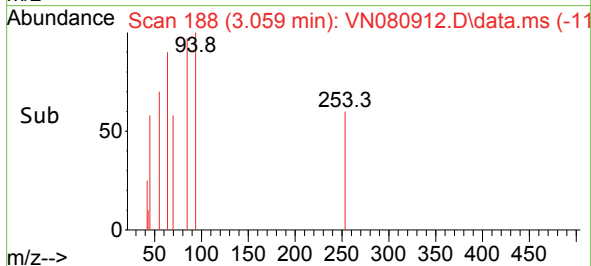
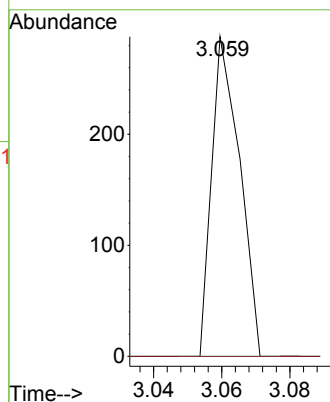
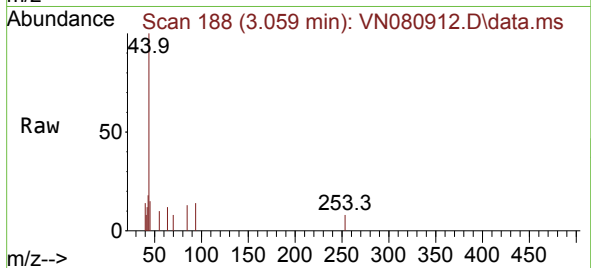




#5
Bromomethane
Concen: 0.319 ug/l
RT: 3.059 min Scan# 11
Delta R.T. 0.112 min
Lab File: VN080912.D
Acq: 05 Feb 2024 21:26

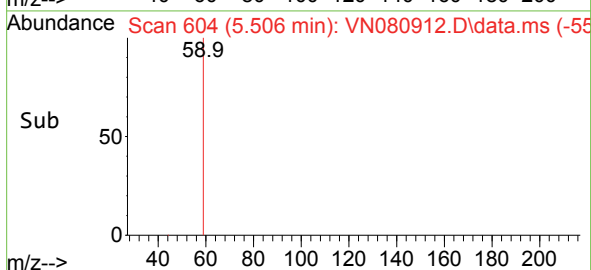
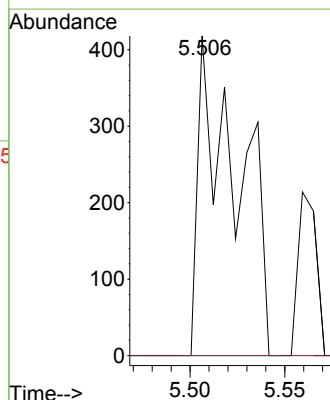
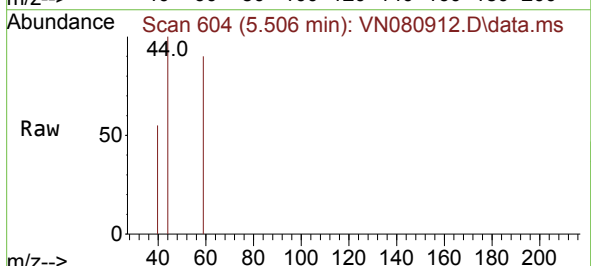
Instrument :
MSVOA_N
ClientSampleId :
EB-7-5-7

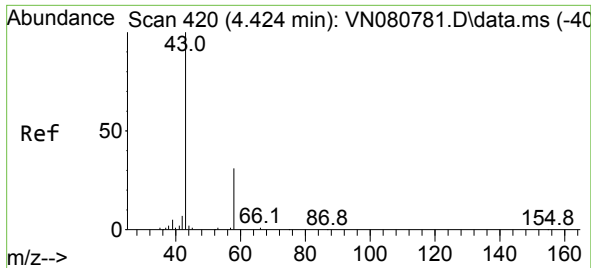
Tgt Ion: 94 Resp: 164
Ion Ratio Lower Upper
94 100
96 0.0 69.2 103.8#



#11
Tert butyl alcohol
Concen: 2.794 ug/l
RT: 5.506 min Scan# 604
Delta R.T. -0.006 min
Lab File: VN080912.D
Acq: 05 Feb 2024 21:26

Tgt Ion: 59 Resp: 596
Ion Ratio Lower Upper
59 100
57 0.0 8.6 12.8#

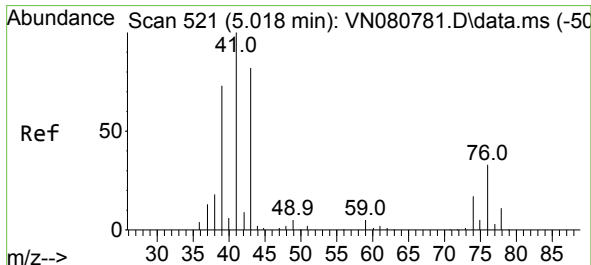
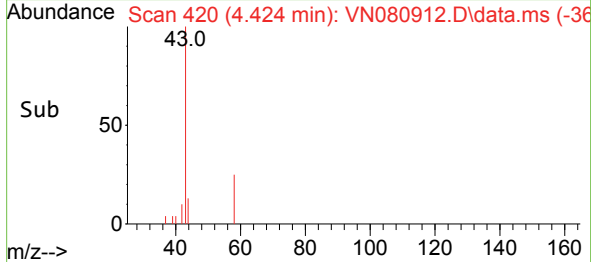
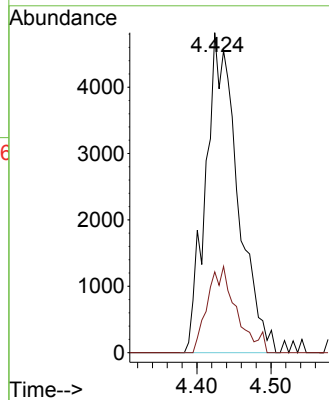
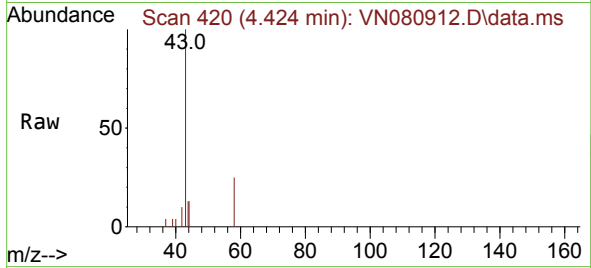




#16
Acetone
Concen: 30.490 ug/l
RT: 4.424 min Scan# 41
Delta R.T. 0.000 min
Lab File: VN080912.D
Acq: 05 Feb 2024 21:26

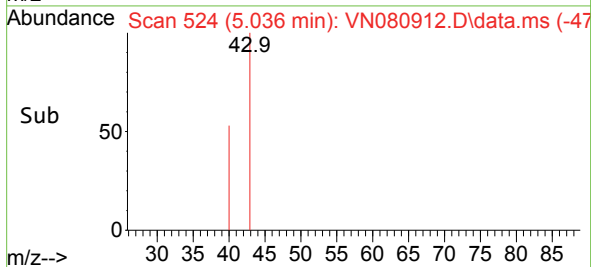
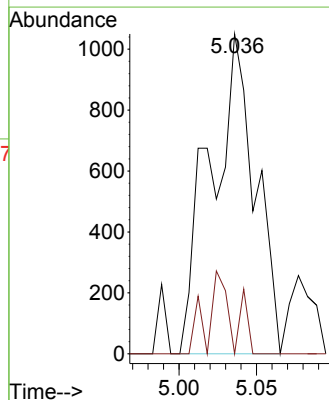
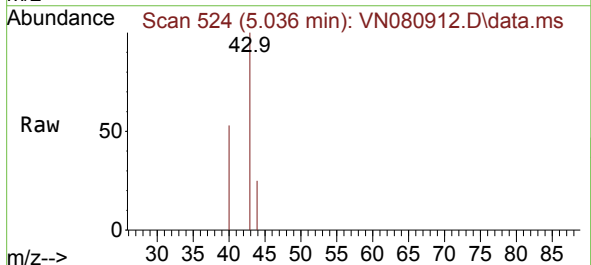
Instrument :
MSVOA_N
ClientSampleId :
EB-7-5-7

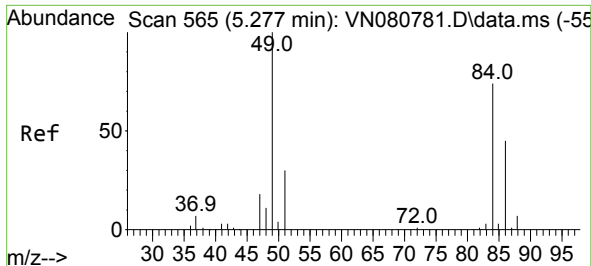
Tgt Ion: 43 Resp: 14469
Ion Ratio Lower Upper
43 100
58 25.2 24.8 37.2



#18
Methyl Acetate
Concen: 1.274 ug/l
RT: 5.036 min Scan# 524
Delta R.T. 0.018 min
Lab File: VN080912.D
Acq: 05 Feb 2024 21:26

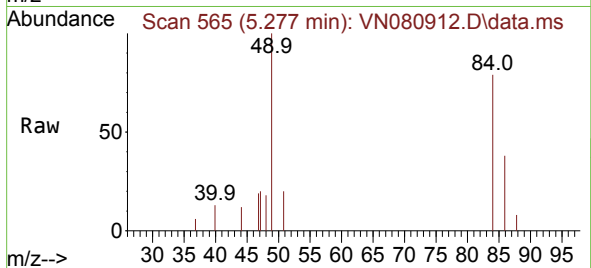
Tgt Ion: 43 Resp: 2107
Ion Ratio Lower Upper
43 100
74 14.8 17.3 25.9#





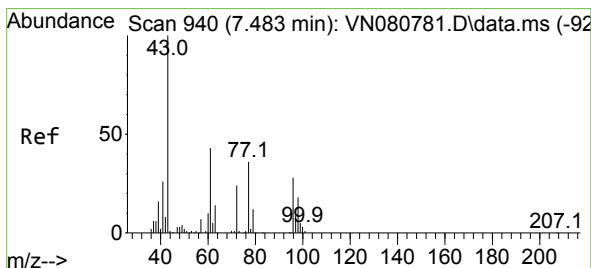
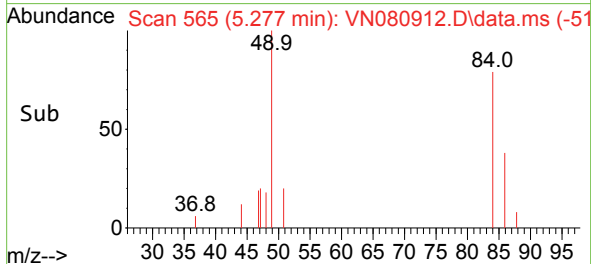
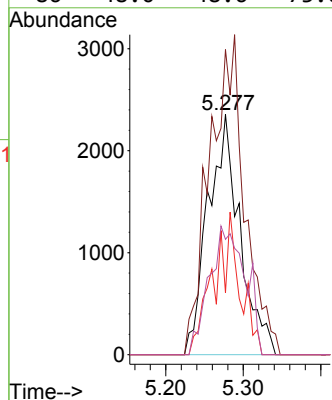
#20
Methylene Chloride
Concen: 5.400 ug/l
RT: 5.277 min Scan# 51
Delta R.T. 0.000 min
Lab File: VN080912.D
Acq: 05 Feb 2024 21:26

Instrument :
MSVOA_N
ClientSampleId :
EB-7-5-7



Tgt Ion: 84 Resp: 6727

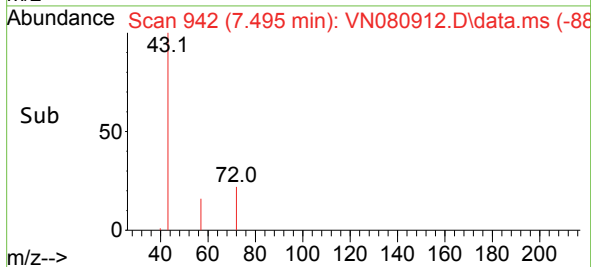
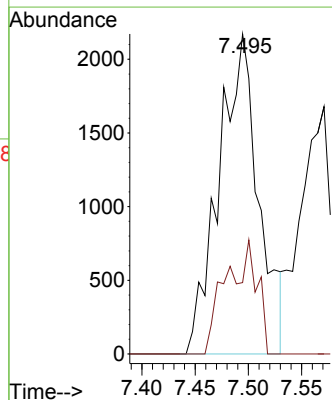
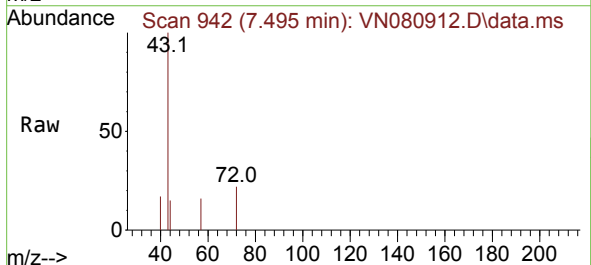
Ion	Ratio	Lower	Upper
84	100		
49	127.0	108.1	162.1
51	25.7	32.9	49.3#
86	48.0	48.6	73.0#

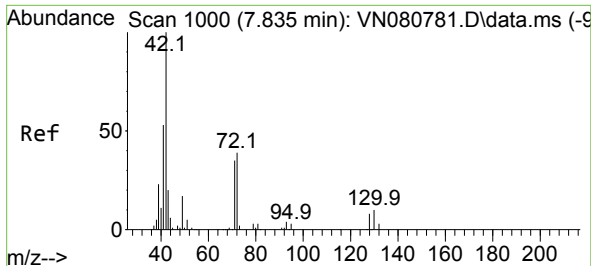


#25
2-Butanone
Concen: 6.233 ug/l
RT: 7.495 min Scan# 942
Delta R.T. 0.012 min
Lab File: VN080912.D
Acq: 05 Feb 2024 21:26

Tgt Ion: 43 Resp: 5618

Ion	Ratio	Lower	Upper
43	100		
72	25.7	19.5	29.3





#29

Tetrahydrofuran

Concen: 0.882 ug/l

RT: 7.847 min Scan# 1066

Delta R.T. 0.012 min

Lab File: VN080912.D

Acq: 05 Feb 2024 21:26

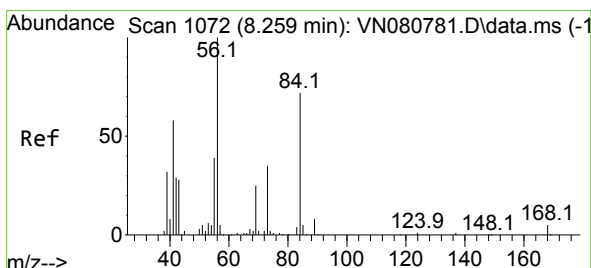
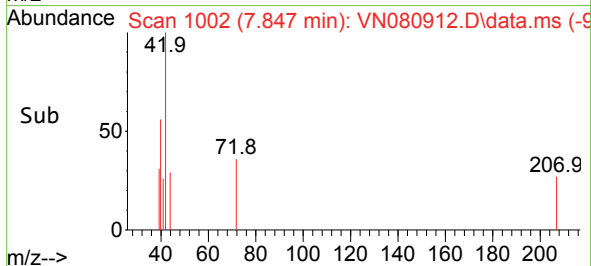
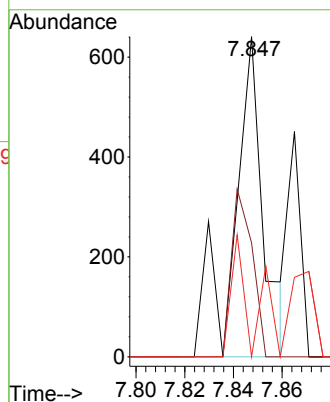
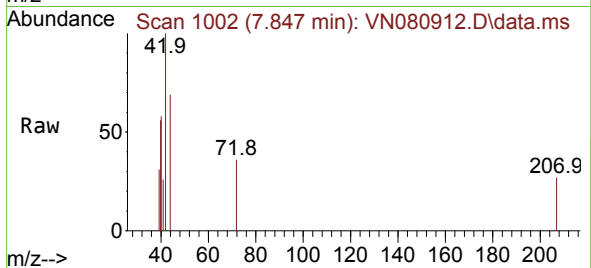
Instrument :

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ClientSampleId :

EB-7-5-7

Tgt Ion:	42	Resp:	538
Ion	Ratio	Lower	Upper
42	100		
72	37.0	31.1	46.7
71	16.0	28.3	42.5#



#31

Cyclohexane

Concen: 1.254 ug/l

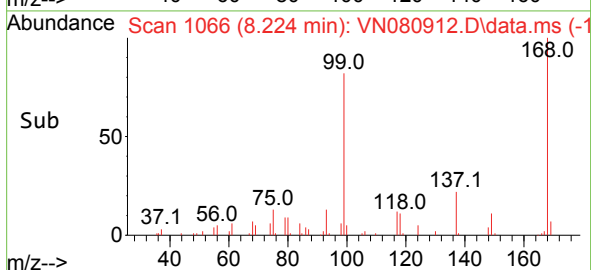
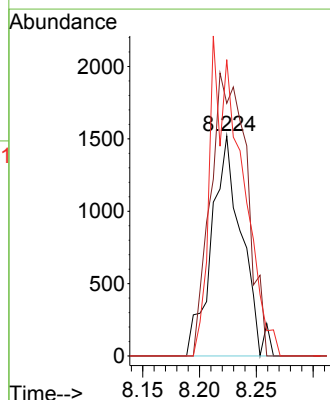
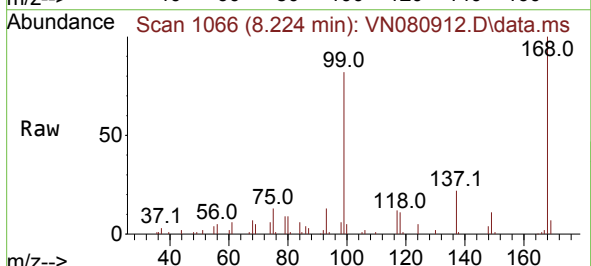
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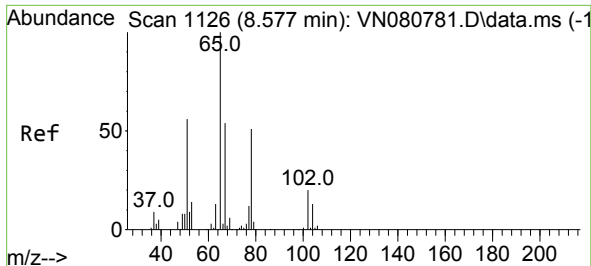
Delta R.T. -0.035 min

Lab File: VN080912.D

Acq: 05 Feb 2024 21:26

Tgt Ion:	56	Resp:	2814
Ion	Ratio	Lower	Upper
56	100		
69	114.9	20.1	30.1#
84	146.1	56.9	85.3#





#33

1,2-Dichloroethane-d4

Concen: 49.864 ug/l

RT: 8.577 min Scan# 1126

Delta R.T. 0.000 min

Lab File: VN080912.D

Acq: 05 Feb 2024 21:26

Instrument :

MSVOA_N

ClientSampleId :

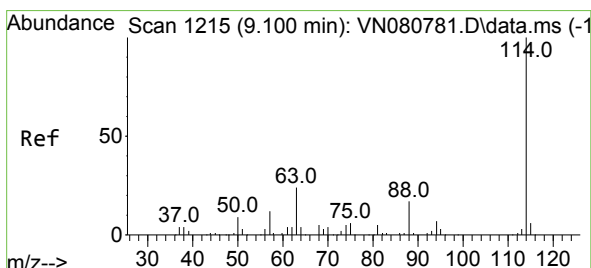
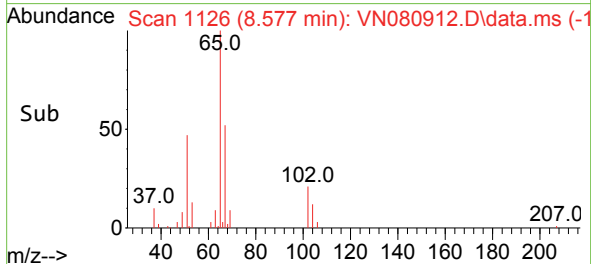
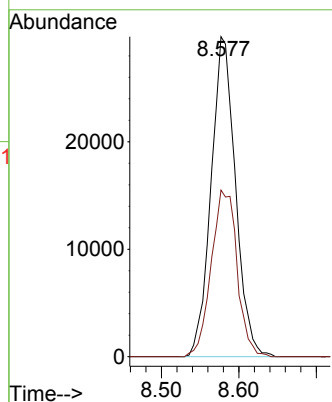
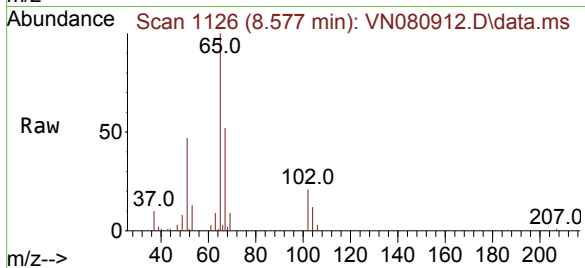
EB-7-5-7

Tgt Ion: 65 Resp: 65246

Ion Ratio Lower Upper

65 100

67 55.1 0.0 102.4



#34

1,4-Difluorobenzene

Concen: 50.000 ug/l

RT: 9.106 min Scan# 1216

Delta R.T. 0.006 min

Lab File: VN080912.D

Acq: 05 Feb 2024 21:26

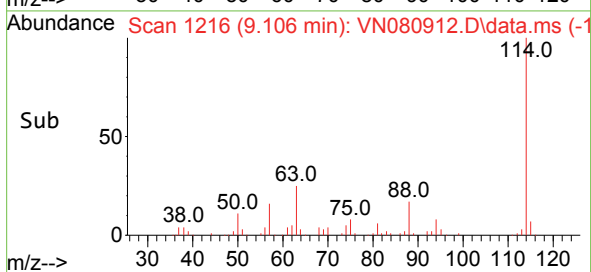
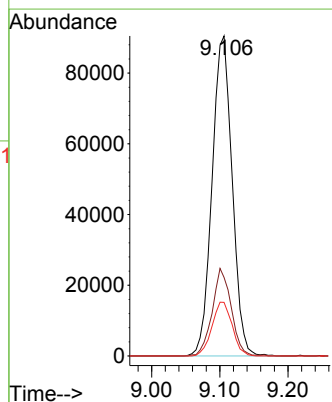
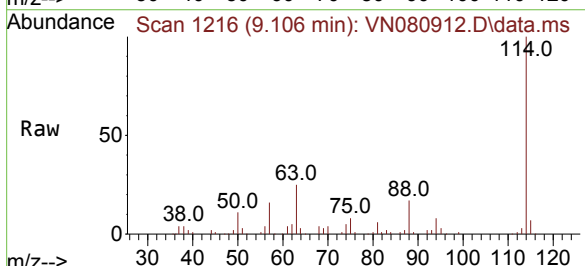
Tgt Ion: 114 Resp: 185697

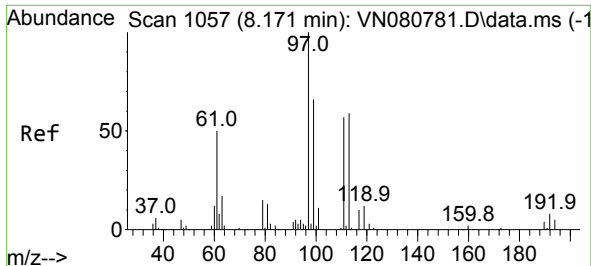
Ion Ratio Lower Upper

114 100

63 24.6 0.0 48.0

88 16.8 0.0 34.8





#35

Dibromofluoromethane

Concen: 45.003 ug/l

RT: 8.171 min Scan# 1057

Delta R.T. 0.000 min

Lab File: VN080912.D

Acq: 05 Feb 2024 21:26

Instrument :

MSVOA_N

ClientSampleId :

EB-7-5-7

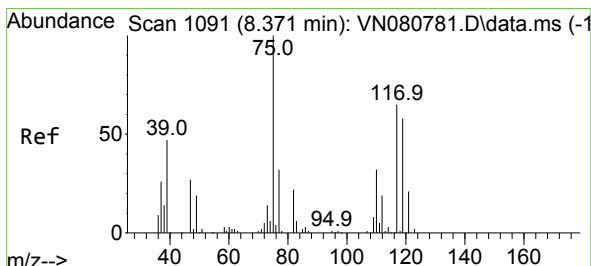
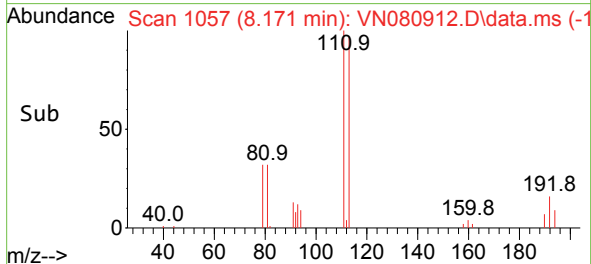
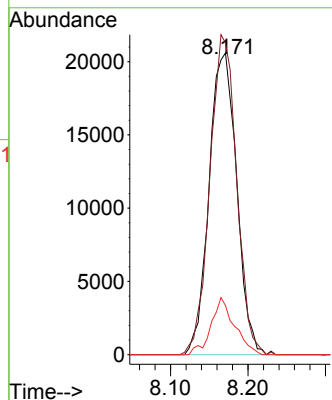
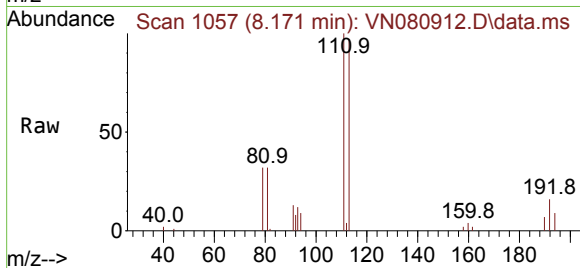
Tgt Ion:113 Resp: 51128

Ion Ratio Lower Upper

113 100

111 102.3 82.2 123.4

192 16.1 12.5 18.7



#36

1,1-Dichloropropene

Concen: 4.428 ug/l

RT: 8.224 min Scan# 1066

Delta R.T. -0.147 min

Lab File: VN080912.D

Acq: 05 Feb 2024 21:26

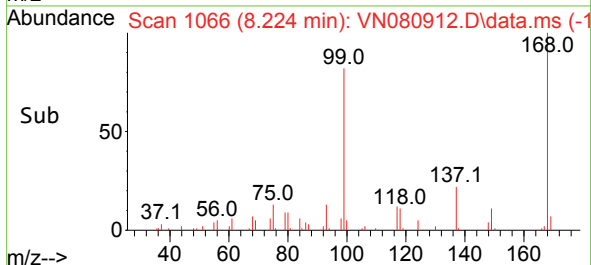
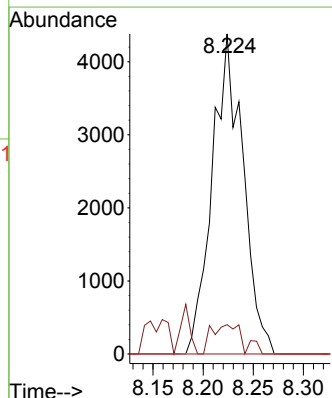
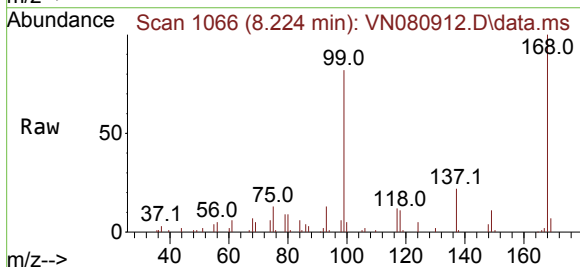
Tgt Ion: 75 Resp: 9350

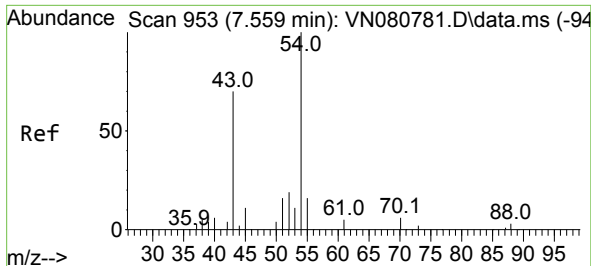
Ion Ratio Lower Upper

75 100

110 9.5 16.0 48.0#

77 0.0 25.8 38.6#

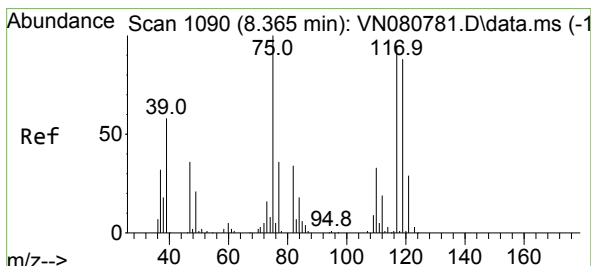
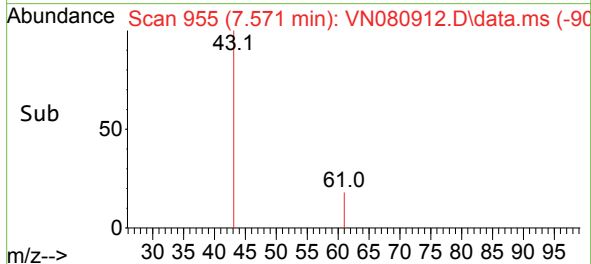
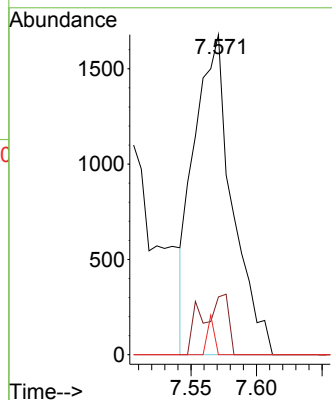
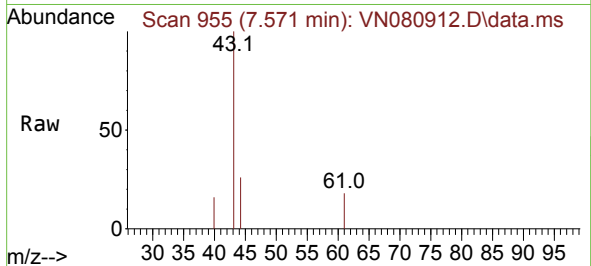




#37
Ethyl Acetate
Concen: 1.561 ug/l
RT: 7.571 min Scan# 91
Delta R.T. 0.012 min
Lab File: VN080912.D
Acq: 05 Feb 2024 21:26

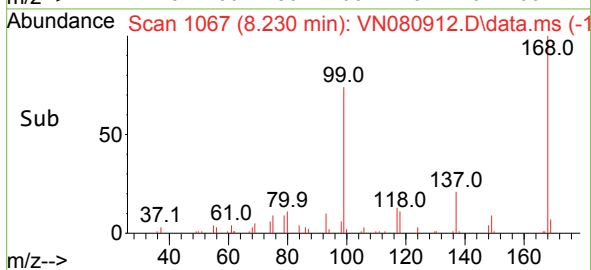
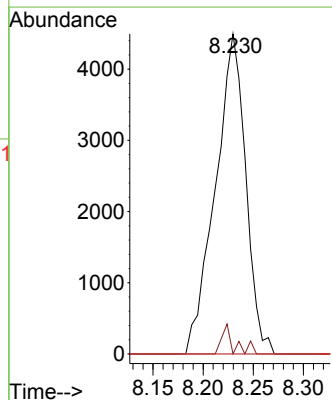
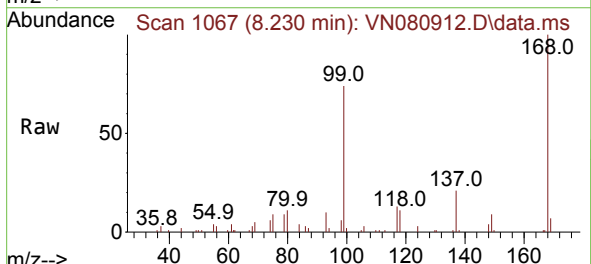
Instrument :
MSVOA_N
ClientSampleId :
EB-7-5-7

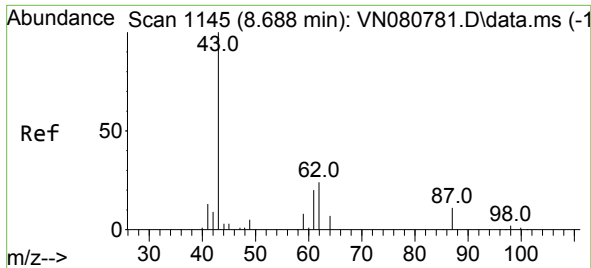
Tgt Ion: 43 Resp: 3393
Ion Ratio Lower Upper
43 100
61 12.9 10.6 15.8
70 2.2 8.0 12.0#



#38
Carbon Tetrachloride
Concen: 5.568 ug/l
RT: 8.230 min Scan# 1067
Delta R.T. -0.135 min
Lab File: VN080912.D
Acq: 05 Feb 2024 21:26

Tgt Ion: 117 Resp: 9474
Ion Ratio Lower Upper
117 100
119 0.0 73.4 110.2#
121 0.0 24.4 36.6#

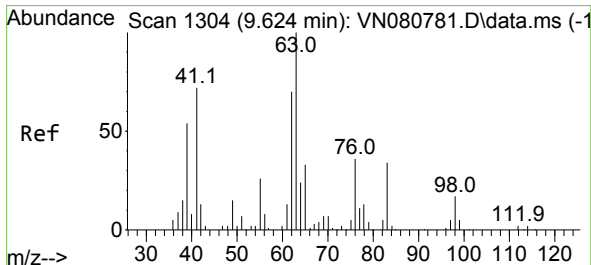
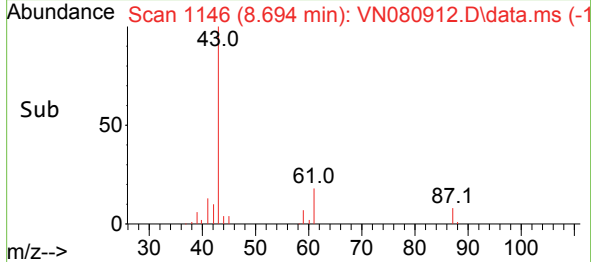
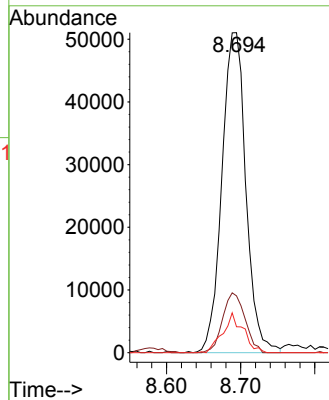
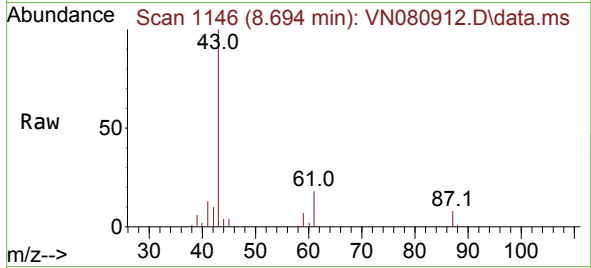




#43
Isopropyl Acetate
Concen: 29.022 ug/l
RT: 8.694 min Scan# 1146
Delta R.T. 0.006 min
Lab File: VN080912.D
Acq: 05 Feb 2024 21:26

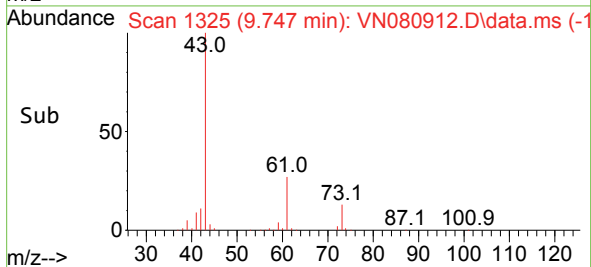
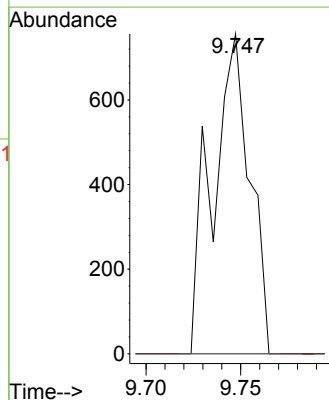
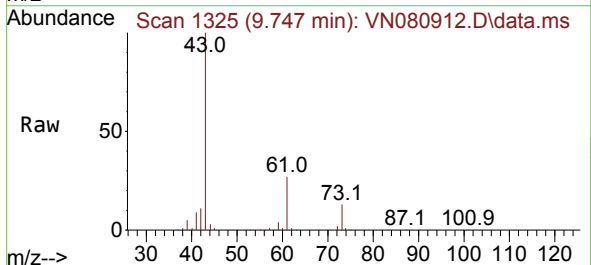
Instrument :
MSVOA_N
ClientSampleId :
EB-7-5-7

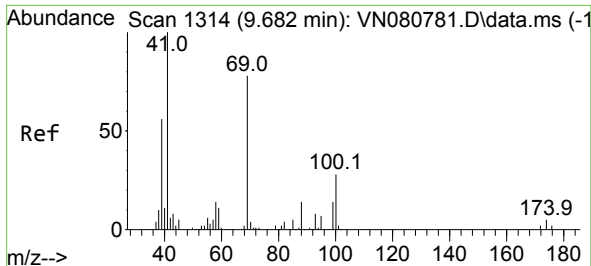
Tgt Ion: 43 Resp: 114858
Ion Ratio Lower Upper
43 100
61 17.4 19.9 29.9#
87 10.5 9.0 13.6



#45
1,2-Dichloropropane
Concen: 0.621 ug/l
RT: 9.747 min Scan# 1325
Delta R.T. 0.124 min
Lab File: VN080912.D
Acq: 05 Feb 2024 21:26

Tgt Ion: 63 Resp: 1043
Ion Ratio Lower Upper
63 100
65 0.0 26.1 39.1#

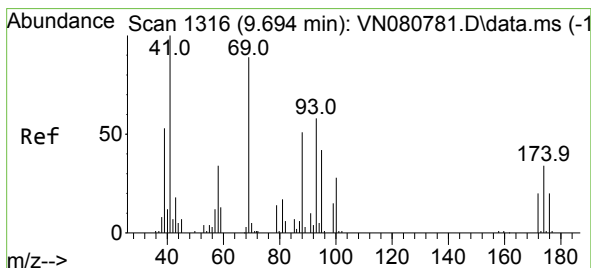
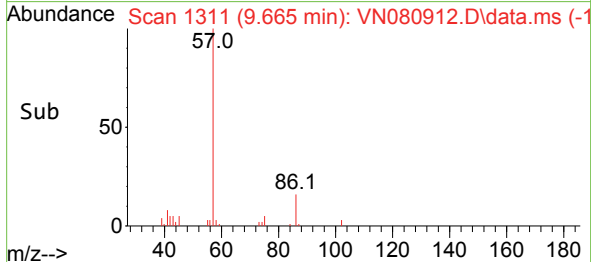
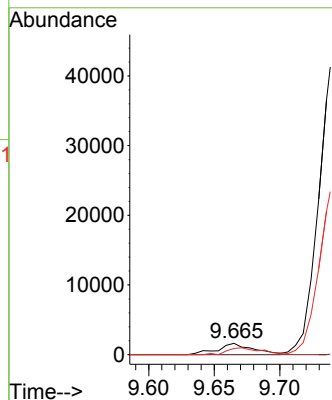
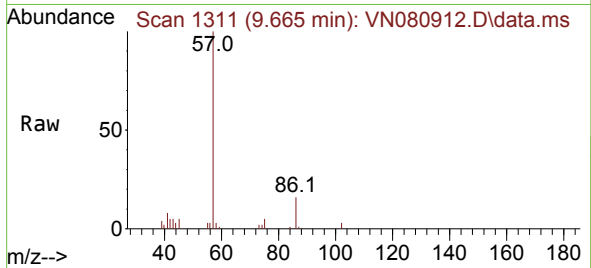




#48
Methyl methacrylate
Concen: 1.593 ug/l
RT: 9.665 min Scan# 11
Delta R.T. -0.017 min
Lab File: VN080912.D
Acq: 05 Feb 2024 21:26

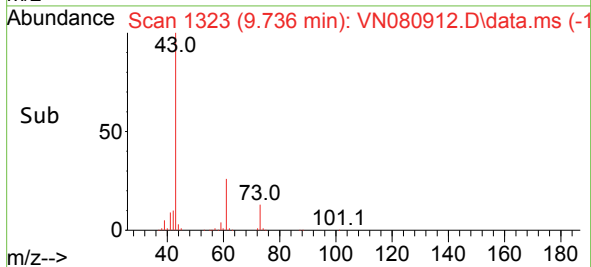
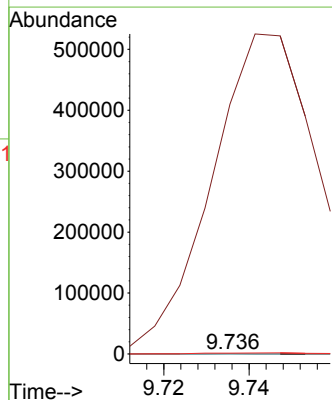
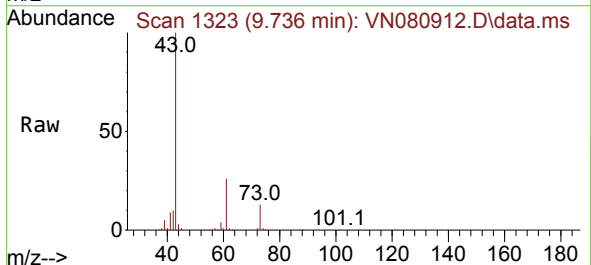
Instrument :
MSVOA_N
ClientSampleId :
EB-7-5-7

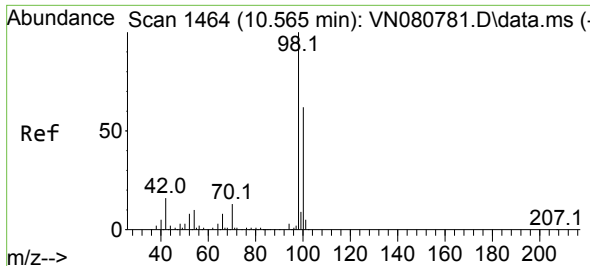
Tgt Ion: 41 Resp: 3056
Ion Ratio Lower Upper
41 100
69 0.0 62.2 93.2#
39 60.4 47.6 71.4



#49
1,4-Dioxane
Concen: 5.279 ug/l
RT: 9.736 min Scan# 1323
Delta R.T. 0.041 min
Lab File: VN080912.D
Acq: 05 Feb 2024 21:26

Tgt Ion: 88 Resp: 122
Ion Ratio Lower Upper
88 100
43 776667.2 30.1 45.1#
58 2842.6 63.9 95.9#

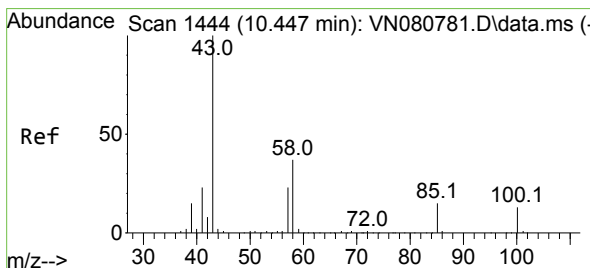
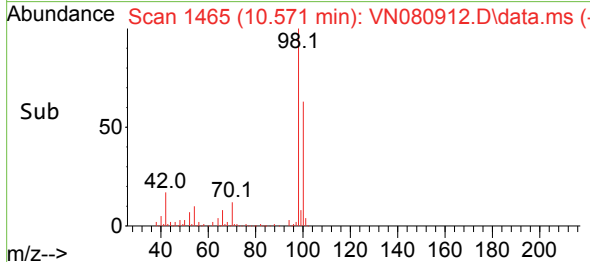
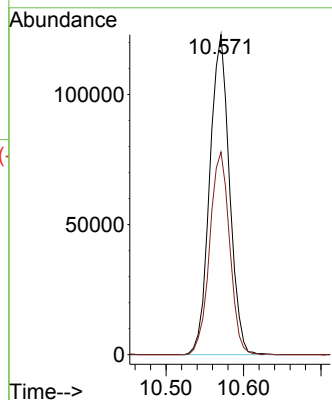
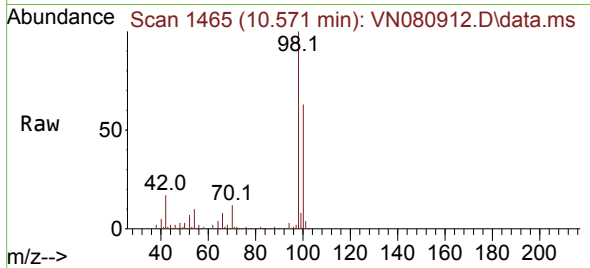




#50
Toluene-d8
Concen: 48.845 ug/l
RT: 10.571 min Scan# 1465
Delta R.T. 0.006 min
Lab File: VN080912.D
Acq: 05 Feb 2024 21:26

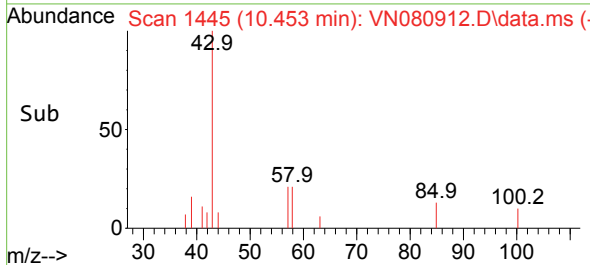
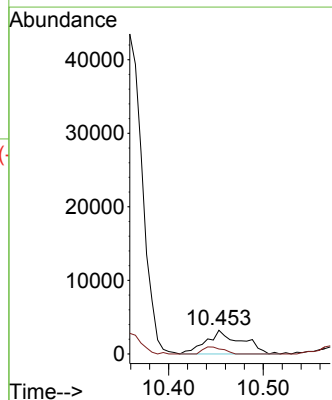
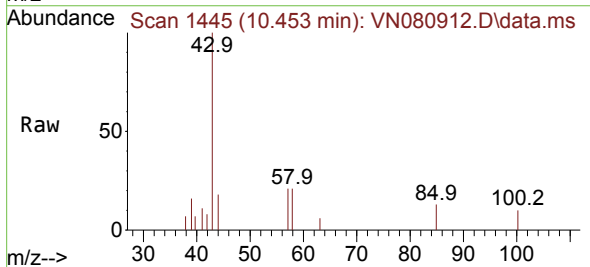
Instrument :
MSVOA_N
ClientSampleId :
EB-7-5-7

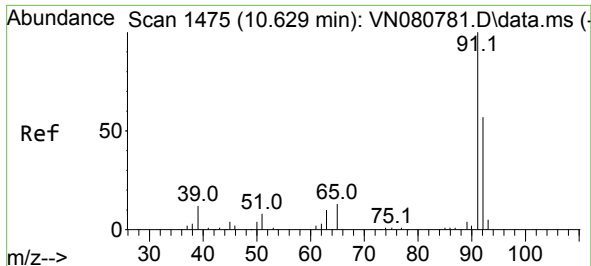
Tgt Ion: 98 Resp: 217196
Ion Ratio Lower Upper
98 100
100 64.0 51.4 77.0



#51
4-Methyl-2-Pentanone
Concen: 3.760 ug/l
RT: 10.453 min Scan# 1445
Delta R.T. 0.006 min
Lab File: VN080912.D
Acq: 05 Feb 2024 21:26

Tgt Ion: 43 Resp: 8319
Ion Ratio Lower Upper
43 100
58 16.9 29.4 44.0#





#52

Toluene

Concen: 0.382 ug/l

RT: 10.630 min Scan# 1475

Delta R.T. 0.000 min

Lab File: VN080912.D

Acq: 05 Feb 2024 21:26

Instrument :

MSVOA_N

ClientSampleId :

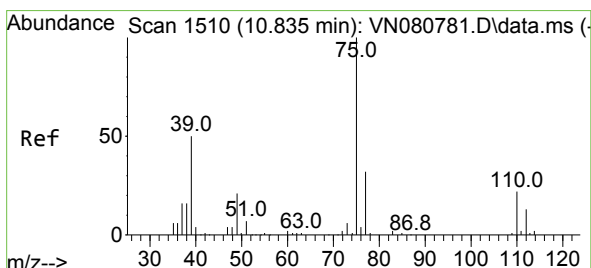
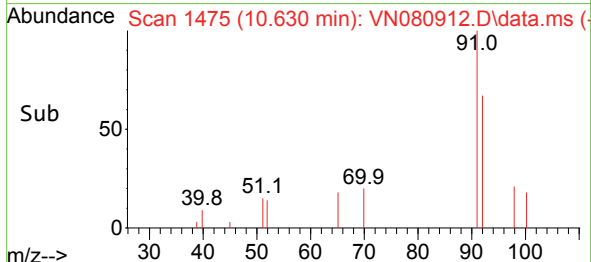
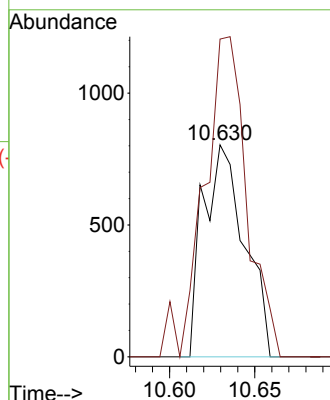
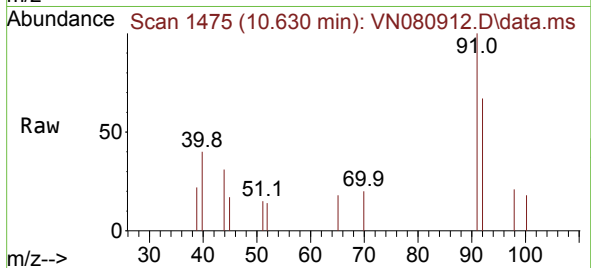
EB-7-5-7

Tgt Ion: 92 Resp: 1361

Ion Ratio Lower Upper

92 100

91 156.5 139.4 209.0



#53

t-1,3-Dichloropropene

Concen: 0.212 ug/l

RT: 10.741 min Scan# 1494

Delta R.T. -0.094 min

Lab File: VN080912.D

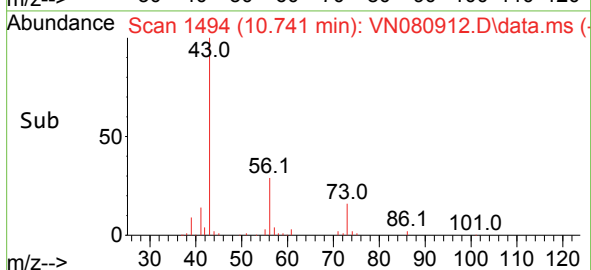
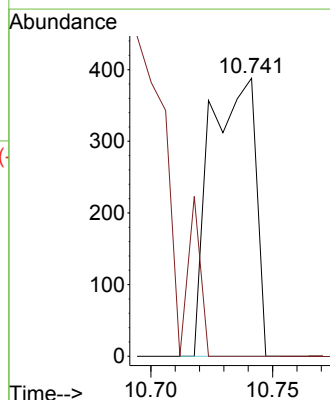
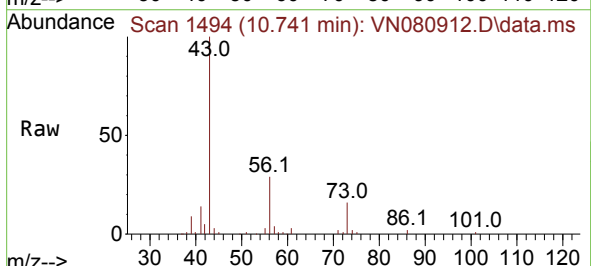
Acq: 05 Feb 2024 21:26

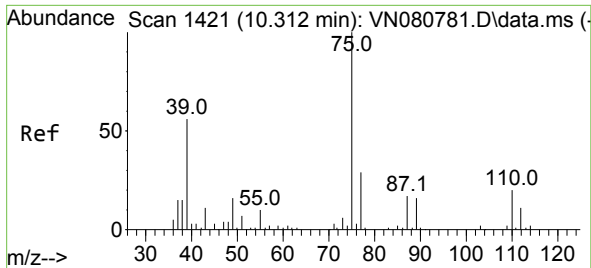
Tgt Ion: 75 Resp: 500

Ion Ratio Lower Upper

75 100

77 0.0 25.5 38.3#

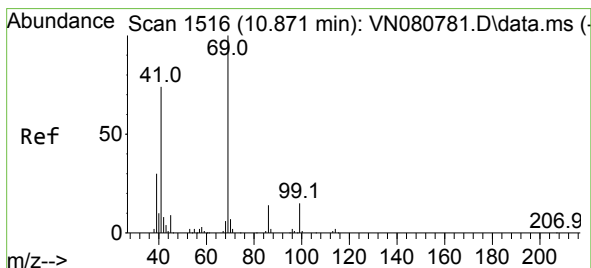
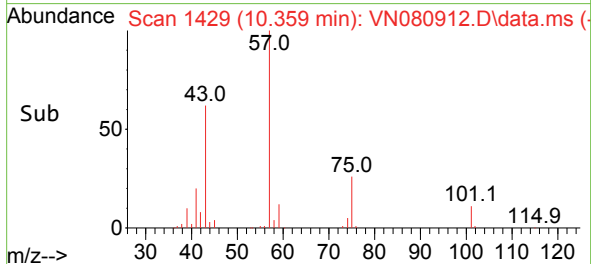
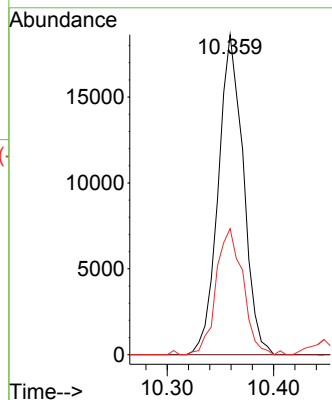
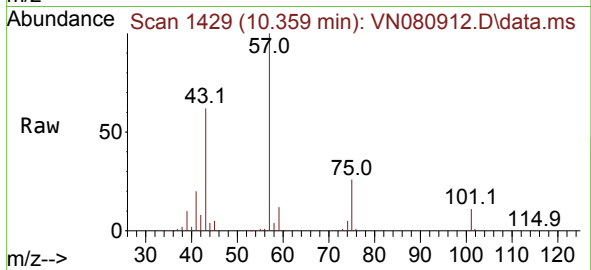




#54
 cis-1,3-Dichloropropene
 Concen: 11.880 ug/l
 RT: 10.359 min Scan# 1429
 Delta R.T. 0.047 min
 Lab File: VN080912.D
 Acq: 05 Feb 2024 21:26

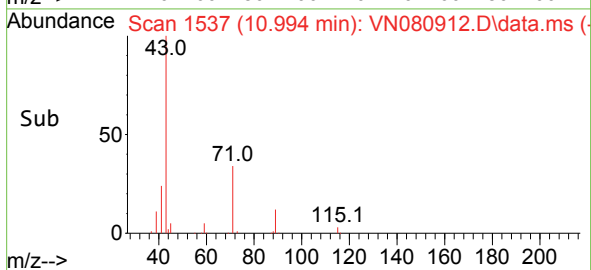
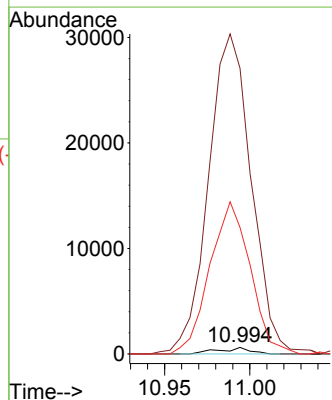
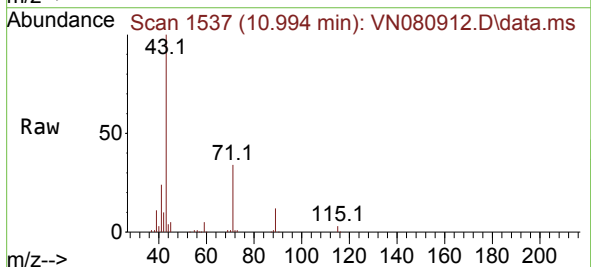
Instrument :
 MSVOA_N
 ClientSampleId :
 EB-7-5-7

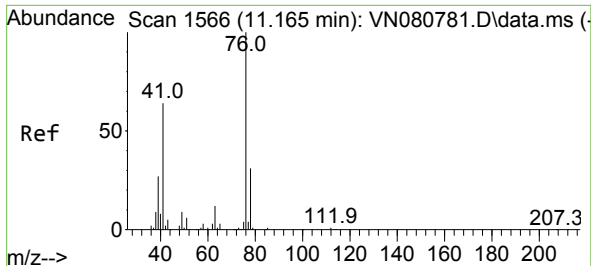
Tgt Ion: 75 Resp: 30423
 Ion Ratio Lower Upper
 75 100
 77 0.0 23.3 34.9#
 39 38.2 44.6 66.8#



#56
 Ethyl methacrylate
 Concen: 0.378 ug/l
 RT: 10.994 min Scan# 1537
 Delta R.T. 0.123 min
 Lab File: VN080912.D
 Acq: 05 Feb 2024 21:26

Tgt Ion: 69 Resp: 794
 Ion Ratio Lower Upper
 69 100
 41 6692.2 61.0 91.6#
 39 2998.4 31.8 47.6#





#57

1,3-Dichloropropane

Concen: 1.597 ug/l

RT: 11.200 min Scan# 11

Delta R.T. 0.035 min

Lab File: VN080912.D

Acq: 05 Feb 2024 21:26

Instrument :

MSVOA_N

ClientSampleId :

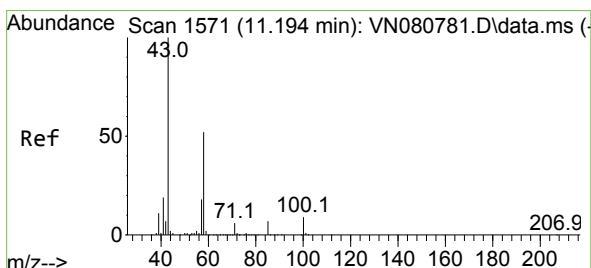
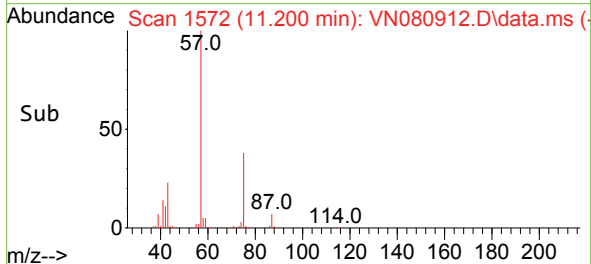
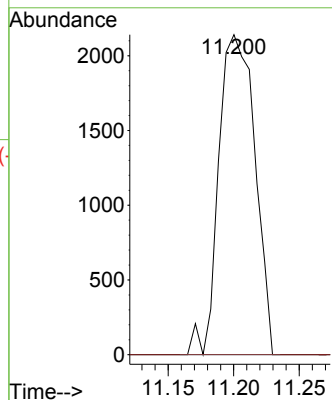
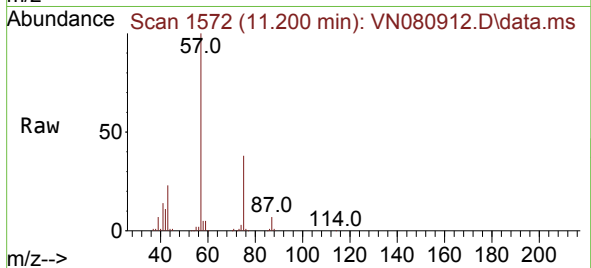
EB-7-5-7

Tgt Ion: 76 Resp: 4109

Ion Ratio Lower Upper

76 100

78 0.0 25.5 38.3#



#59

2-Hexanone

Concen: 58.093 ug/l

RT: 11.171 min Scan# 1567

Delta R.T. -0.023 min

Lab File: VN080912.D

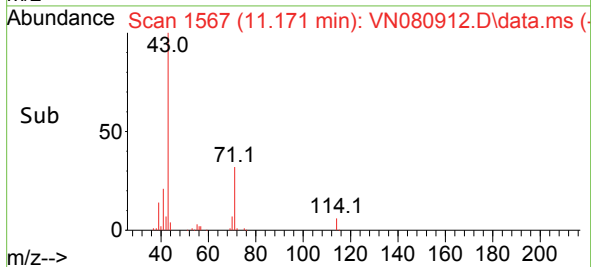
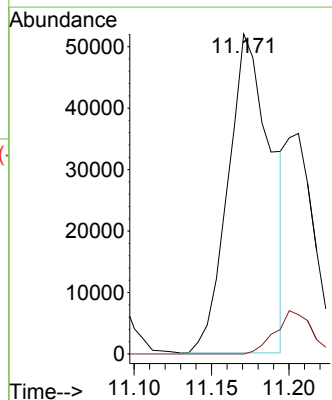
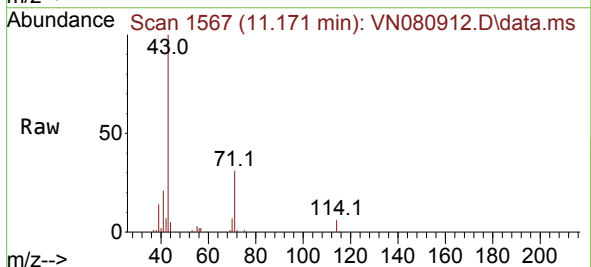
Acq: 05 Feb 2024 21:26

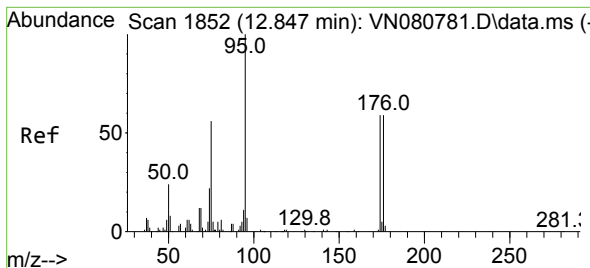
Tgt Ion: 43 Resp: 99835

Ion Ratio Lower Upper

43 100

58 0.0 25.9 77.8#

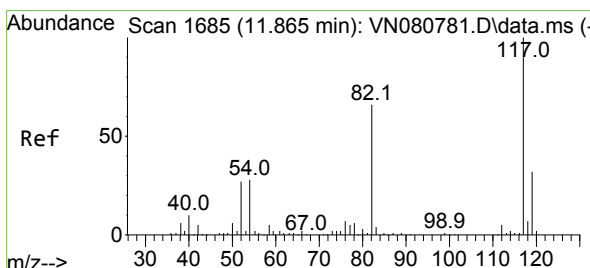
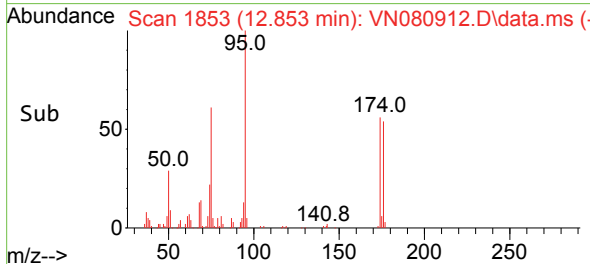
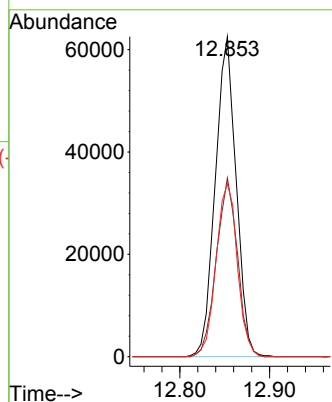
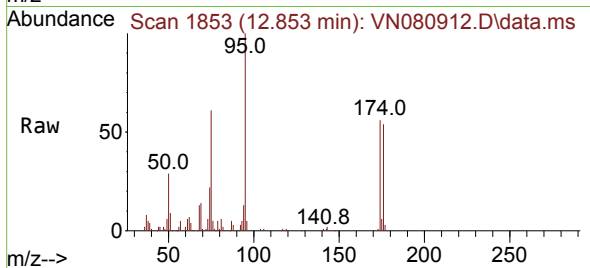




#62
4-Bromofluorobenzene
Concen: 65.140 ug/l
RT: 12.853 min Scan# 1853
Delta R.T. 0.006 min
Lab File: VN080912.D
Acq: 05 Feb 2024 21:26

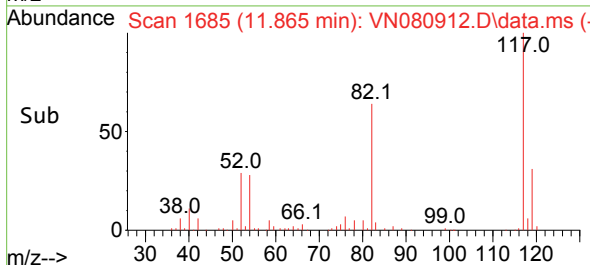
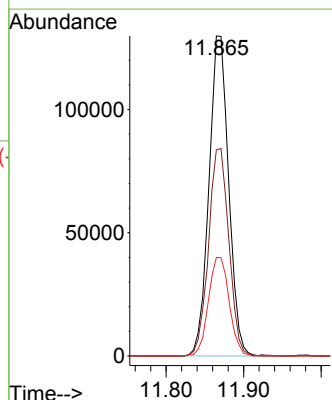
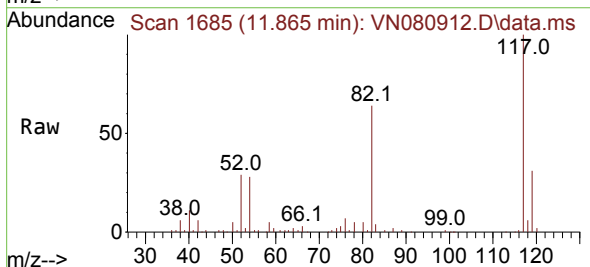
Instrument :
MSVOA_N
ClientSampleId :
EB-7-5-7

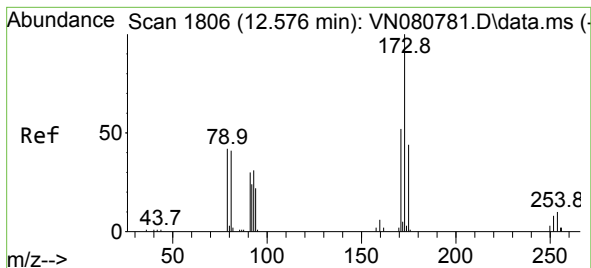
Tgt Ion: 95 Resp: 100937
Ion Ratio Lower Upper
95 100
174 56.6 0.0 120.4
176 55.1 0.0 121.0



#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.865 min Scan# 1685
Delta R.T. 0.000 min
Lab File: VN080912.D
Acq: 05 Feb 2024 21:26

Tgt Ion: 117 Resp: 229413
Ion Ratio Lower Upper
117 100
82 64.4 52.7 79.1
119 30.8 25.3 37.9





#71

Bromoform

Concen: 0.342 ug/l

RT: 12.847 min Scan# 1806

Delta R.T. 0.271 min

Lab File: VN080912.D

Acq: 05 Feb 2024 21:26

Instrument :

MSVOA_N

ClientSampleId :

EB-7-5-7

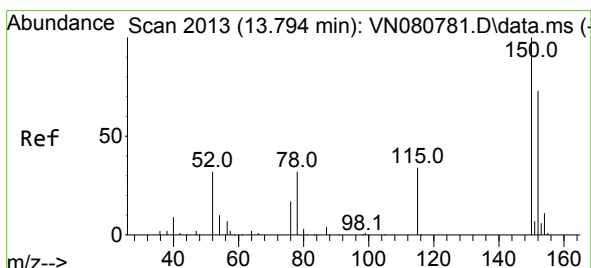
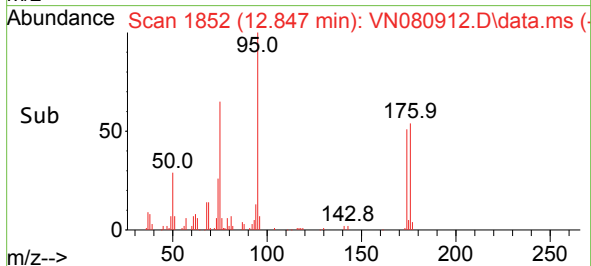
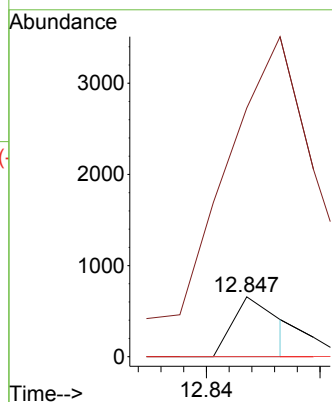
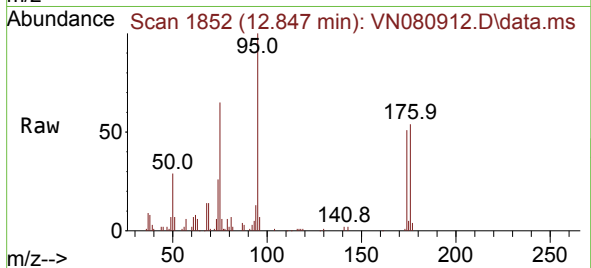
Tgt Ion:173 Resp: 376

Ion Ratio Lower Upper

173 100

175 0.0 23.1 69.2#

254 0.0 0.0 0.0



#72

1,4-Dichlorobenzene-d4

Concen: 50.000 ug/l

RT: 13.794 min Scan# 2013

Delta R.T. 0.000 min

Lab File: VN080912.D

Acq: 05 Feb 2024 21:26

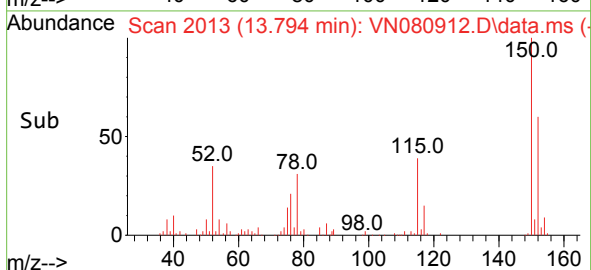
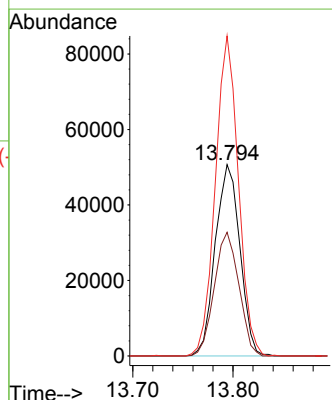
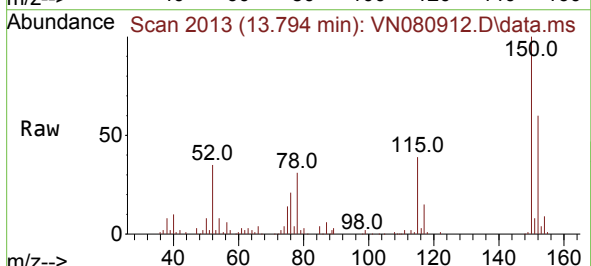
Tgt Ion:152 Resp: 86371

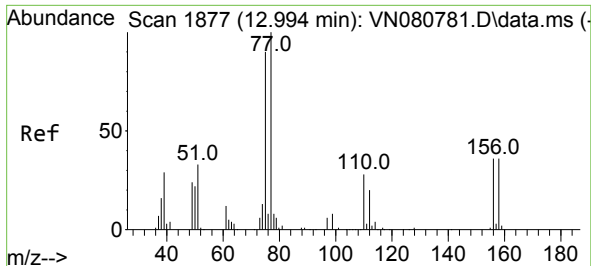
Ion Ratio Lower Upper

152 100

115 64.5 32.3 96.8

150 156.5 0.0 339.8

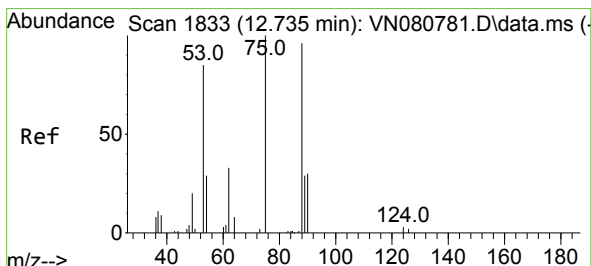
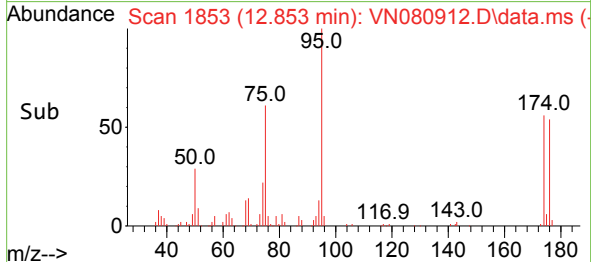
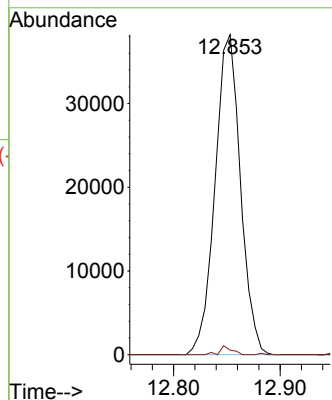
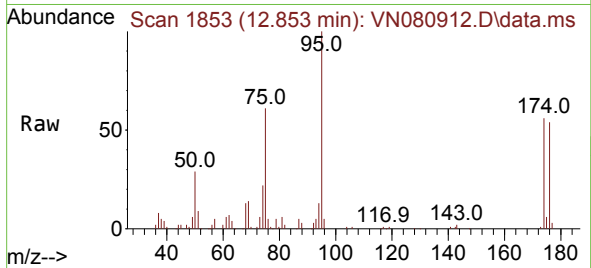




#76
1,2,3-Trichloropropane
Concen: 24.293 ug/l
RT: 12.853 min Scan# 1853
Delta R.T. -0.141 min
Lab File: VN080912.D
Acq: 05 Feb 2024 21:26

Instrument :
MSVOA_N
ClientSampleId :
EB-7-5-7

Tgt Ion: 75 Resp: 63281
Ion Ratio Lower Upper
75 100
77 1.3 91.0 272.8#



#81
trans-1,4-Dichloro-2-butene
Concen: 62.582 ug/l
RT: 12.853 min Scan# 1853
Delta R.T. 0.118 min
Lab File: VN080912.D
Acq: 05 Feb 2024 21:26

Tgt Ion: 75 Resp: 63281
Ion Ratio Lower Upper
75 100
53 0.0 71.4 107.2#
89 0.0 33.4 50.0#

