

Data Path : Z:\voasrv\HPCHEM1\MSVOA_N\Data\VN020524\
 Data File : VN080910.D
 Acq On : 05 Feb 2024 20:38
 Operator : JC\MD
 Sample : P1367-04
 Misc : 5.0mL/MSVOA_N/WATER
 ALS Vial : 21 Sample Multiplier: 1

Instrument :
 MSVOA_N
 ClientSampleId :
 EB-7-0-2

Quant Time: Feb 06 04:48:55 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)

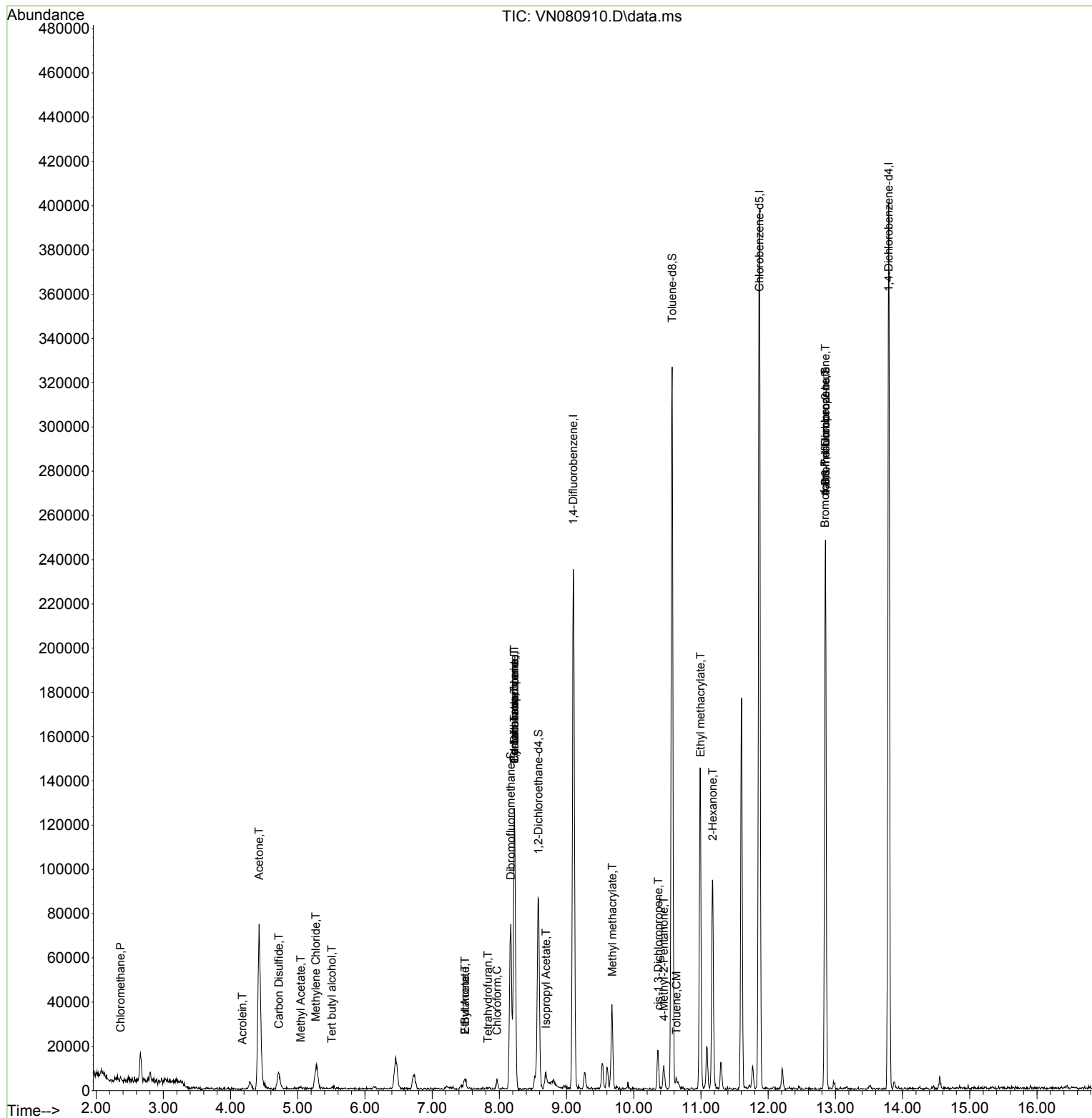
Internal Standards						
1) Pentafluorobenzene	8.224	168	77222	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	9.100	114	186239	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.871	117	204801	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.794	152	84032	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.583	65	66180	49.539	ug/l	0.00
Spiked Amount	50.000	Range	74 - 125	Recovery	=	99.080%
35) Dibromofluoromethane	8.171	113	51118	44.863	ug/l	0.00
Spiked Amount	50.000	Range	75 - 124	Recovery	=	89.720%
50) Toluene-d8	10.571	98	208422	46.736	ug/l	0.00
Spiked Amount	50.000	Range	86 - 113	Recovery	=	93.480%
62) 4-Bromofluorobenzene	12.853	95	84169	54.161	ug/l	0.00
Spiked Amount	50.000	Range	83 - 123	Recovery	=	108.320%
Target Compounds						
					Qvalue	
3) Chloromethane	2.365	50	1450	0.841	ug/l #	69
11) Tert butyl alcohol	5.506	59	505	2.319	ug/l #	49
13) Acrolein	4.177	56	291	1.060	ug/l #	53
16) Acetone	4.424	43	132402	273.274	ug/l	96
17) Carbon Disulfide	4.718	76	1673	0.496	ug/l #	78
18) Methyl Acetate	5.047	43	1501	0.889	ug/l #	54
20) Methylene Chloride	5.271	84	7782	6.119	ug/l #	67
25) 2-Butanone	7.489	43	9173	9.968	ug/l	92
29) Tetrahydrofuran	7.830	42	168	0.270	ug/l #	64
30) Chloroform	7.965	83	3411	1.531	ug/l #	39
31) Cyclohexane	8.224	56	2834	1.237	ug/l #	1
36) 1,1-Dichloropropene	8.224	75	8036	3.794	ug/l #	50
37) Ethyl Acetate	7.489	43	9173	4.208	ug/l #	70
38) Carbon Tetrachloride	8.224	117	8713	5.106	ug/l #	17
43) Isopropyl Acetate	8.694	43	8235	2.075	ug/l #	59
48) Methyl methacrylate	9.682	41	3320	1.725	ug/l #	49
51) 4-Methyl-2-Pentanone	10.447	43	8747	3.942	ug/l	93
52) Toluene	10.635	92	1724	0.483	ug/l	93
54) cis-1,3-Dichloropropene	10.365	75	2772	1.079	ug/l #	62
56) Ethyl methacrylate	10.994	69	659	0.313	ug/l #	1
59) 2-Hexanone	11.177	43	81654	47.375	ug/l #	27
71) Bromoform	12.847	173	462	0.470	ug/l #	30
76) 1,2,3-Trichloropropane	12.853	75	49649	19.590	ug/l #	1
81) trans-1,4-Dichloro-2-b...	12.853	75	49649	50.467	ug/l #	14

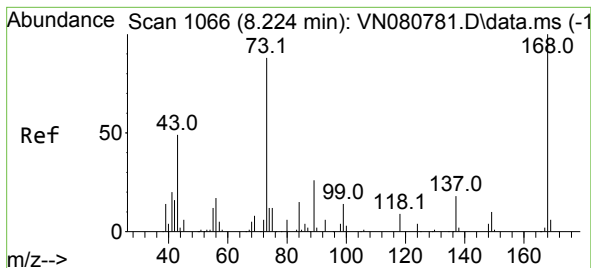
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 8.224 min Scan# 1066

Delta R.T. -0.000 min

Lab File: VN080910.D

Acq: 05 Feb 2024 20:38

Instrument :

MSVOA_N

ClientSampleId :

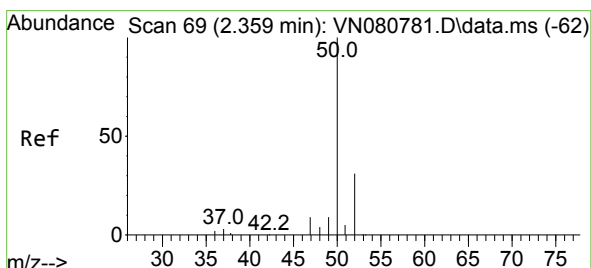
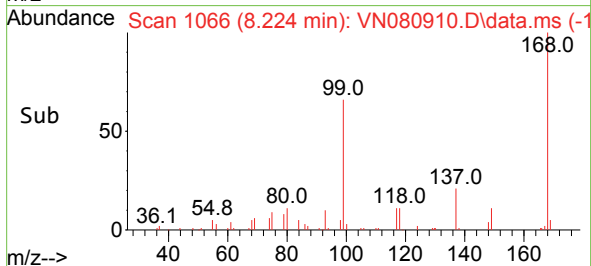
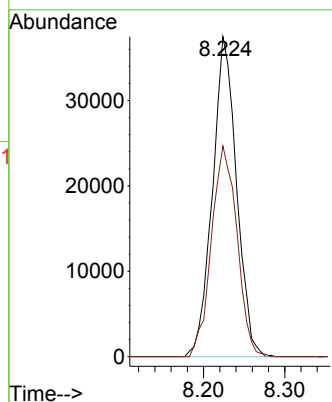
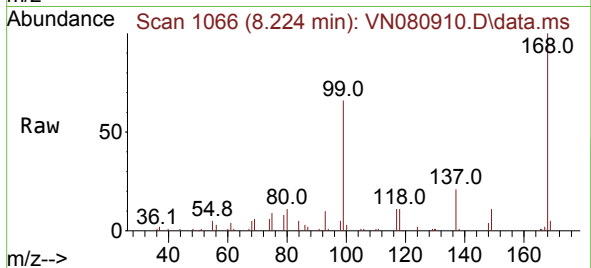
EB-7-0-2

Tgt Ion:168 Resp: 77222

Ion Ratio Lower Upper

168 100

99 65.9 59.9 89.9



#3

Chloromethane

Concen: 0.841 ug/l

RT: 2.365 min Scan# 70

Delta R.T. 0.006 min

Lab File: VN080910.D

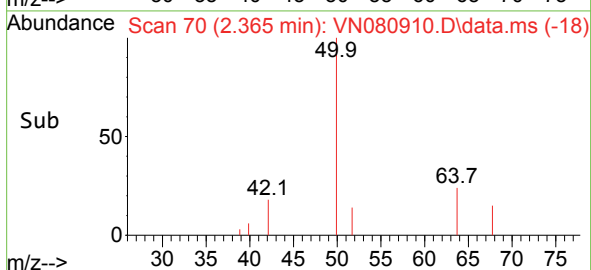
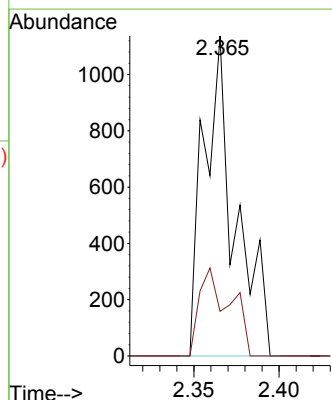
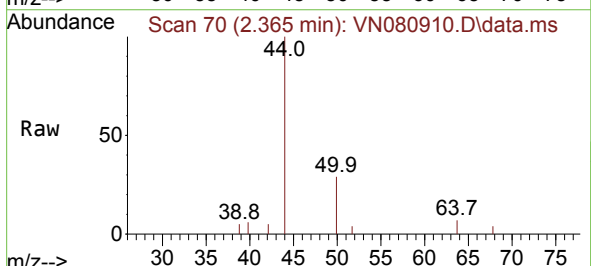
Acq: 05 Feb 2024 20:38

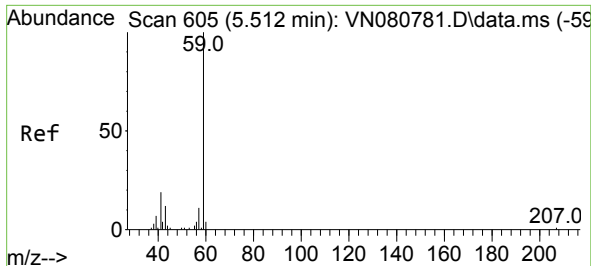
Tgt Ion: 50 Resp: 1450

Ion Ratio Lower Upper

50 100

52 14.0 25.0 37.4#





#11

Tert butyl alcohol

Concen: 2.319 ug/l

RT: 5.506 min Scan# 605

Delta R.T. -0.006 min

Lab File: VN080910.D

Acq: 05 Feb 2024 20:38

Instrument :

MSVOA_N

ClientSampleId :

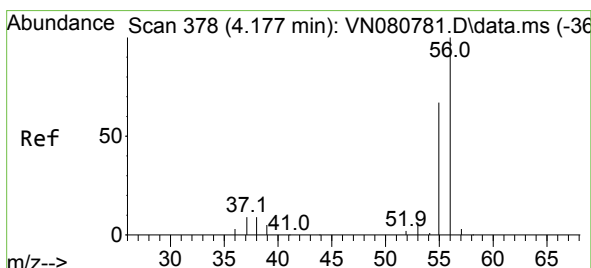
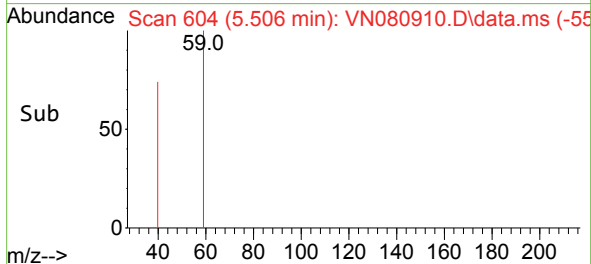
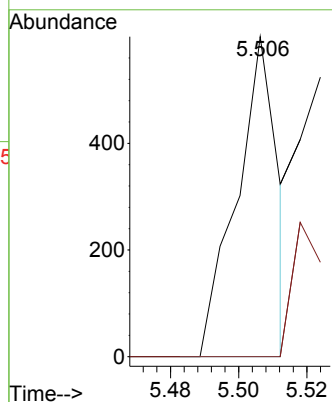
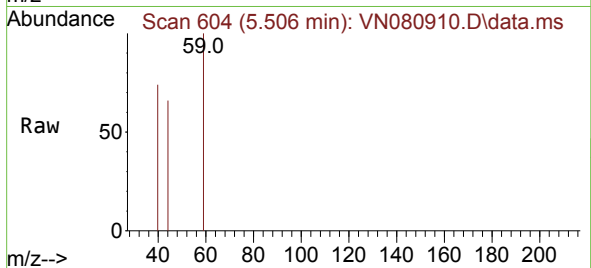
EB-7-0-2

Tgt Ion: 59 Resp: 505

Ion Ratio Lower Upper

59 100

57 29.9 8.6 12.8#



#13

Acrolein

Concen: 1.060 ug/l

RT: 4.177 min Scan# 378

Delta R.T. 0.000 min

Lab File: VN080910.D

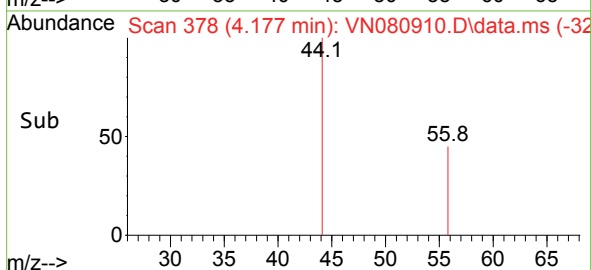
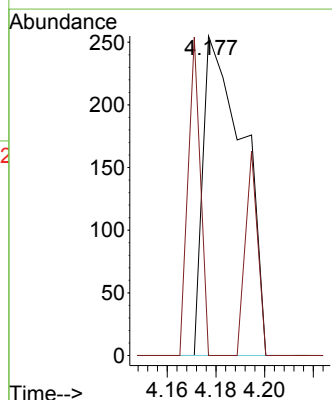
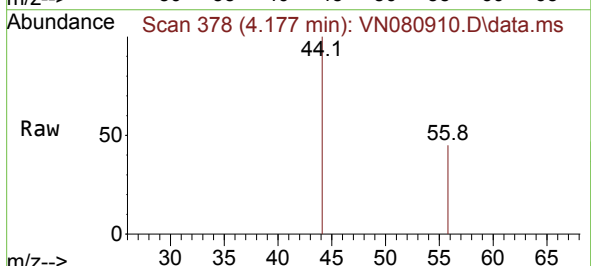
Acq: 05 Feb 2024 20:38

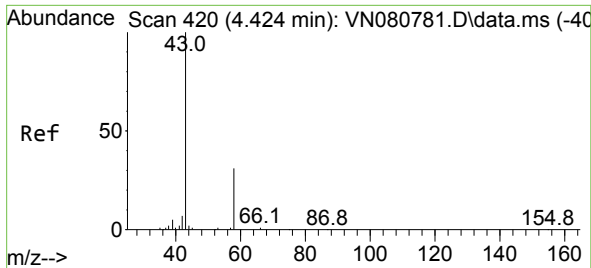
Tgt Ion: 56 Resp: 291

Ion Ratio Lower Upper

56 100

55 30.9 55.3 82.9#

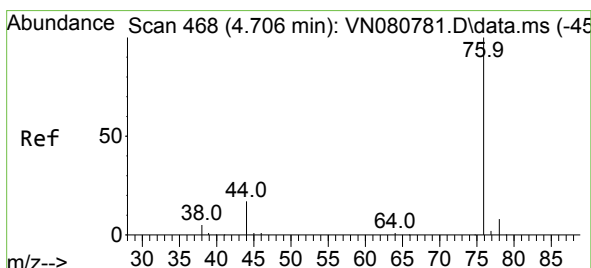
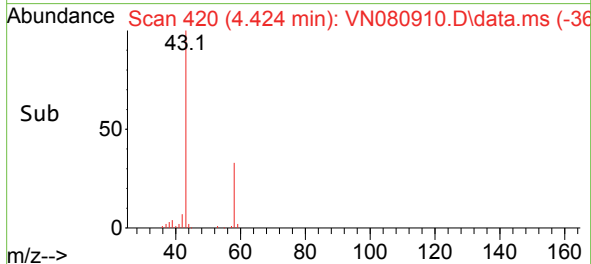
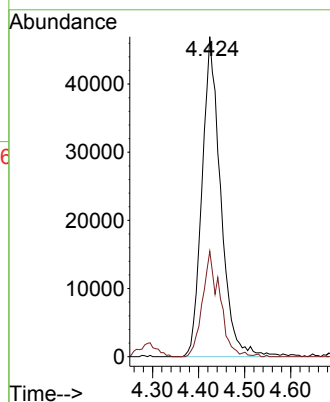
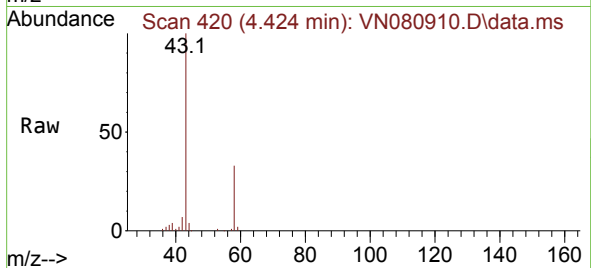




#16
Acetone
Concen: 273.274 ug/l
RT: 4.424 min Scan# 41
Delta R.T. 0.000 min
Lab File: VN080910.D
Acq: 05 Feb 2024 20:38

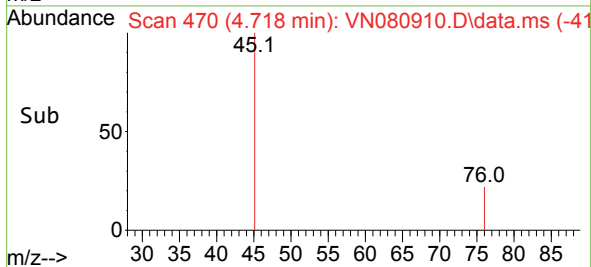
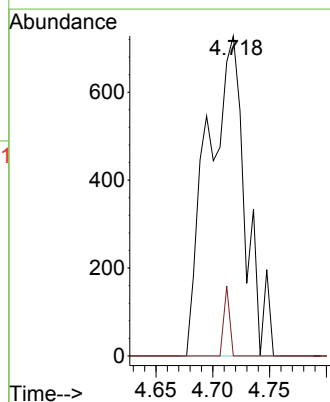
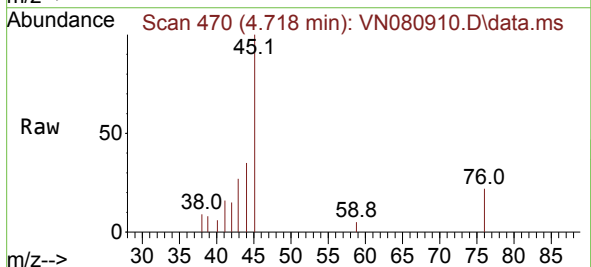
Instrument :
MSVOA_N
ClientSampleId :
EB-7-0-2

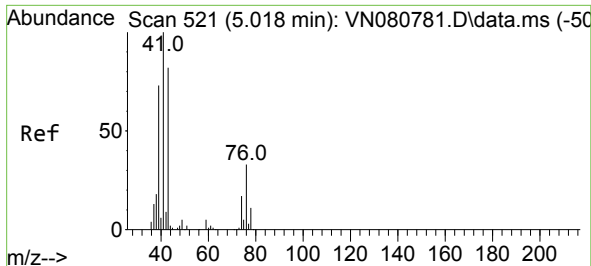
Tgt Ion: 43 Resp: 132402
Ion Ratio Lower Upper
43 100
58 33.0 24.8 37.2



#17
Carbon Disulfide
Concen: 0.496 ug/l
RT: 4.718 min Scan# 470
Delta R.T. 0.012 min
Lab File: VN080910.D
Acq: 05 Feb 2024 20:38

Tgt Ion: 76 Resp: 1673
Ion Ratio Lower Upper
76 100
78 0.0 6.3 9.5#

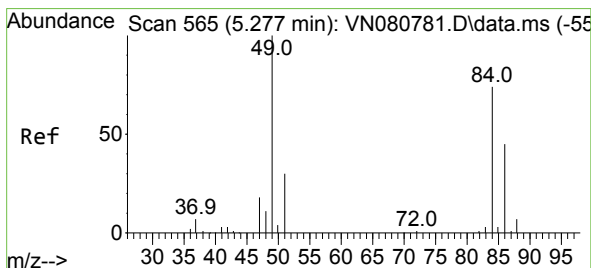
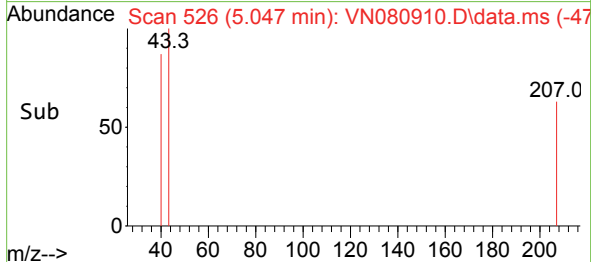
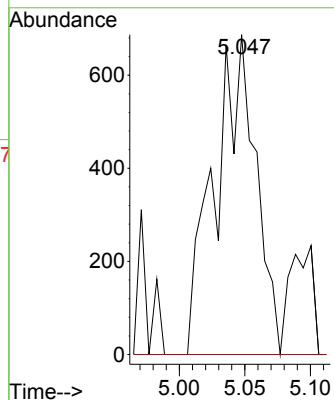
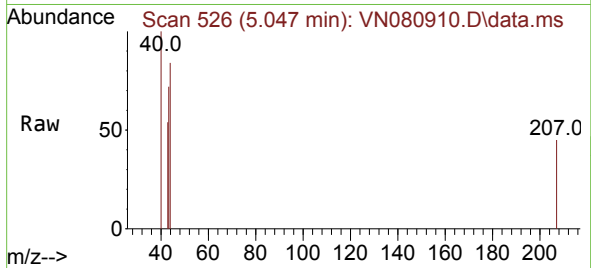




#18
Methyl Acetate
Concen: 0.889 ug/l
RT: 5.047 min Scan# 51
Delta R.T. 0.029 min
Lab File: VN080910.D
Acq: 05 Feb 2024 20:38

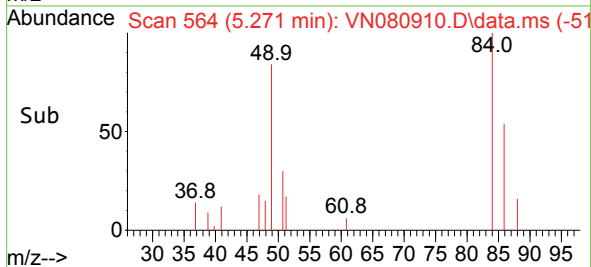
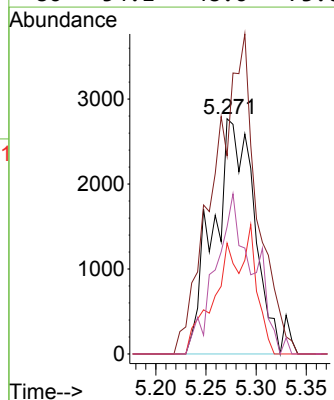
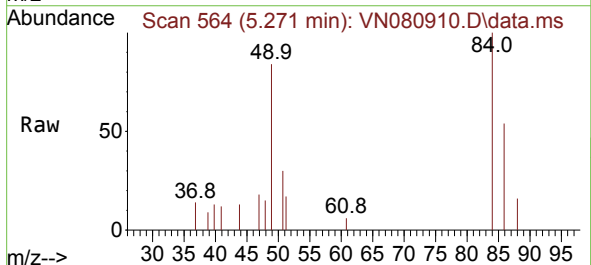
Instrument :
MSVOA_N
ClientSampleId :
EB-7-0-2

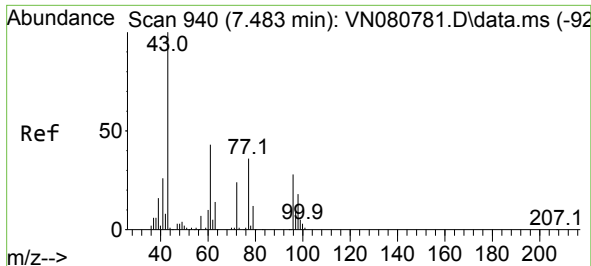
Tgt Ion: 43 Resp: 1501
Ion Ratio Lower Upper
43 100
74 0.0 17.3 25.9#



#20
Methylene Chloride
Concen: 6.119 ug/l
RT: 5.271 min Scan# 564
Delta R.T. -0.006 min
Lab File: VN080910.D
Acq: 05 Feb 2024 20:38

Tgt Ion: 84 Resp: 7782
Ion Ratio Lower Upper
84 100
49 74.7 108.1 162.1#
51 47.1 32.9 49.3
86 54.1 48.6 73.0

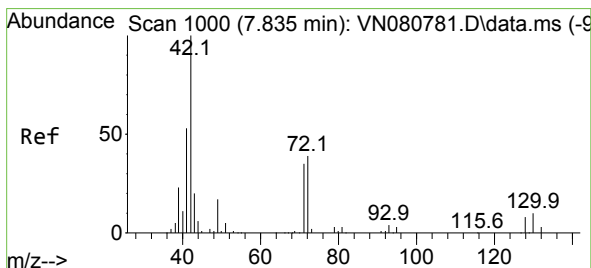
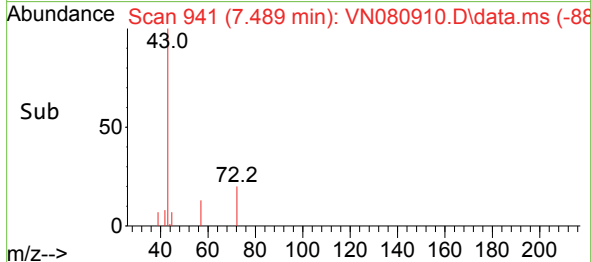
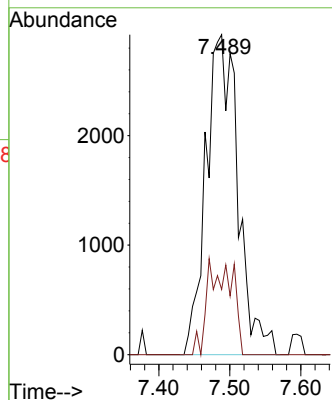
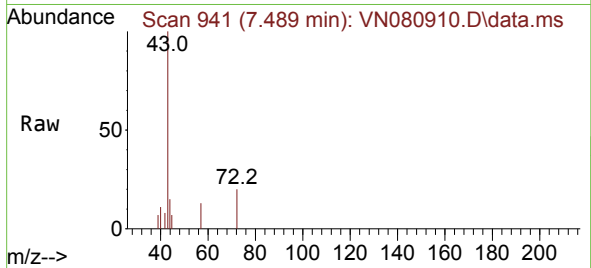




#25
2-Butanone
Concen: 9.968 ug/l
RT: 7.489 min Scan# 941
Delta R.T. 0.006 min
Lab File: VN080910.D
Acq: 05 Feb 2024 20:38

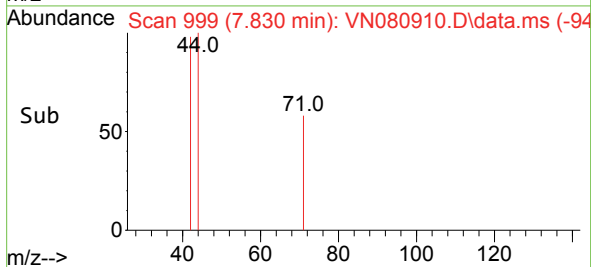
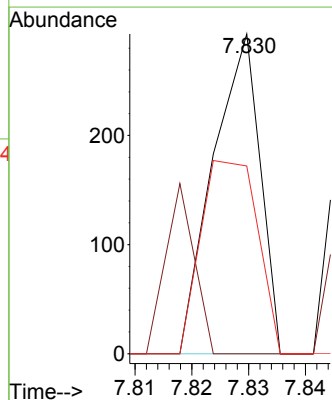
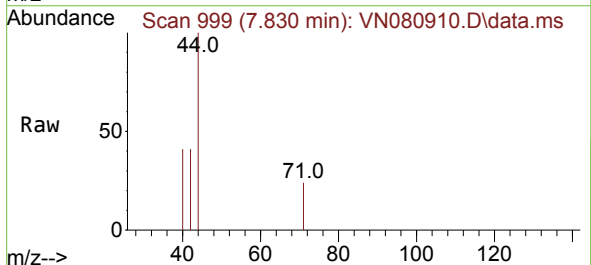
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MSVOA_N
ClientSampleId :
EB-7-0-2

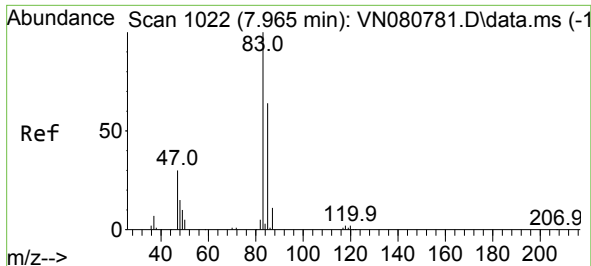
Tgt Ion: 43 Resp: 9173
Ion Ratio Lower Upper
43 100
72 20.4 19.5 29.3



#29
Tetrahydrofuran
Concen: 0.270 ug/l
RT: 7.830 min Scan# 999
Delta R.T. -0.006 min
Lab File: VN080910.D
Acq: 05 Feb 2024 20:38

Tgt Ion: 42 Resp: 168
Ion Ratio Lower Upper
42 100
72 32.7 31.1 46.7
71 73.2 28.3 42.5#

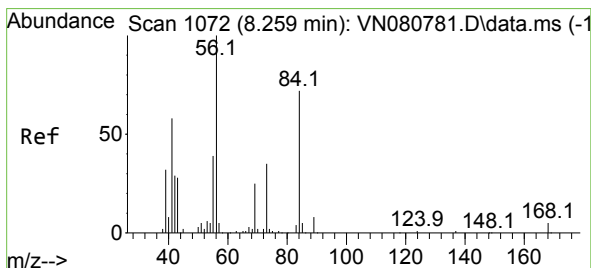
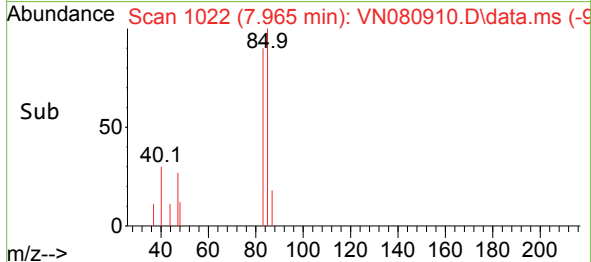
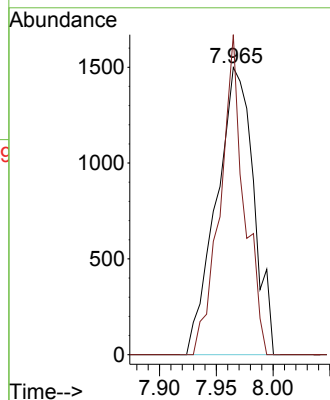
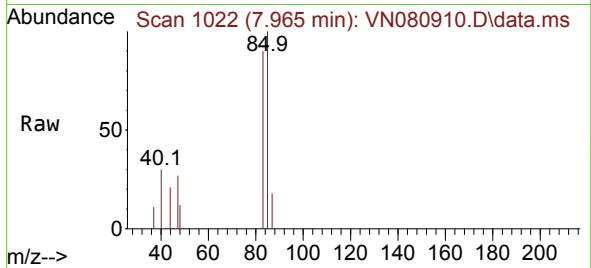




#30
Chloroform
Concen: 1.531 ug/l
RT: 7.965 min Scan# 1022
Delta R.T. 0.000 min
Lab File: VN080910.D
Acq: 05 Feb 2024 20:38

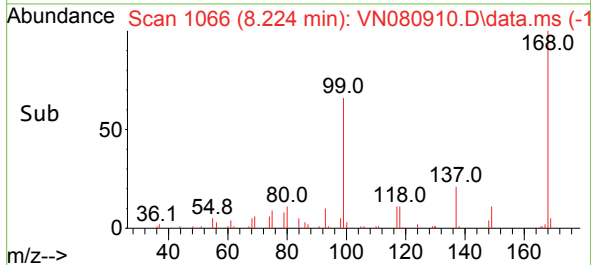
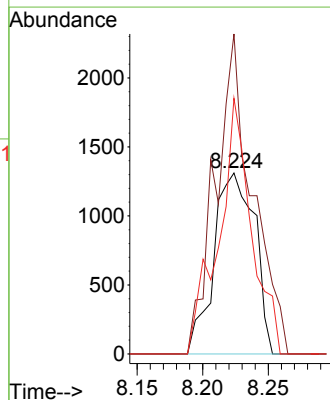
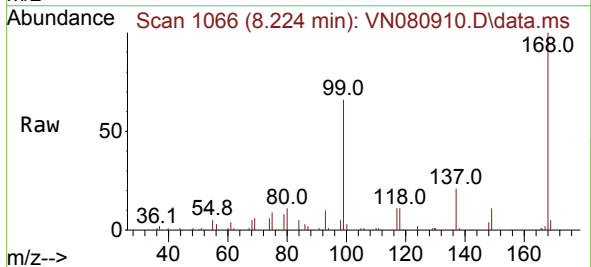
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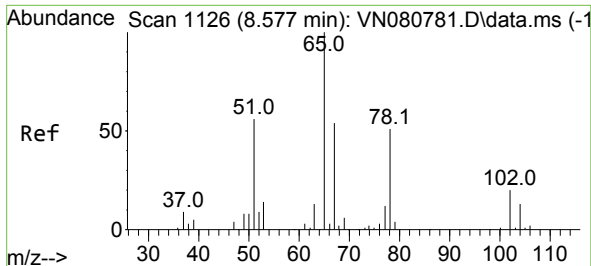
Tgt Ion: 83 Resp: 3411
Ion Ratio Lower Upper
83 100
85 111.4 51.0 76.6#



#31
Cyclohexane
Concen: 1.237 ug/l
RT: 8.224 min Scan# 1066
Delta R.T. -0.035 min
Lab File: VN080910.D
Acq: 05 Feb 2024 20:38

Tgt Ion: 56 Resp: 2834
Ion Ratio Lower Upper
56 100
69 176.9 20.1 30.1#
84 141.3 56.9 85.3#





#33

1,2-Dichloroethane-d4

Concen: 49.539 ug/l

RT: 8.583 min Scan# 1127

Delta R.T. 0.006 min

Lab File: VN080910.D

Acq: 05 Feb 2024 20:38

Instrument :

MSVOA_N

ClientSampleId :

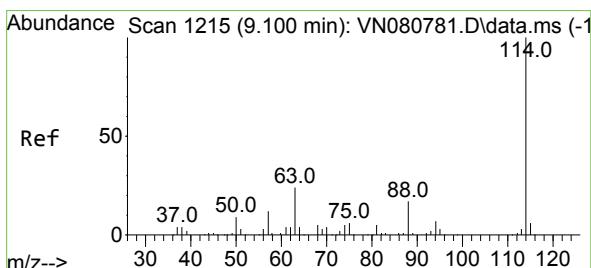
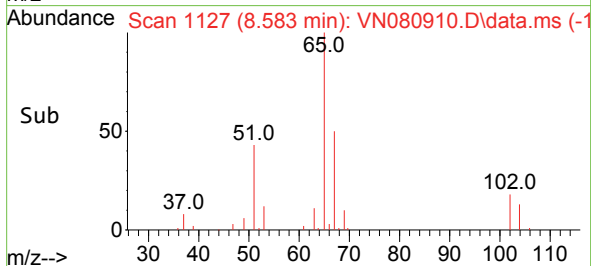
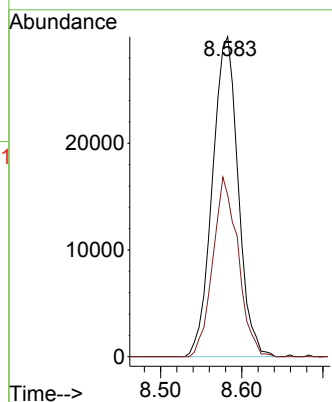
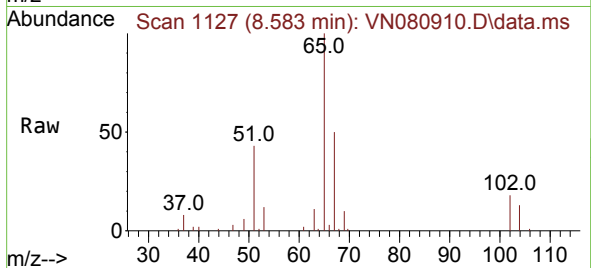
EB-7-0-2

Tgt Ion: 65 Resp: 66180

Ion Ratio Lower Upper

65 100

67 55.0 0.0 102.4



#34

1,4-Difluorobenzene

Concen: 50.000 ug/l

RT: 9.100 min Scan# 1215

Delta R.T. 0.000 min

Lab File: VN080910.D

Acq: 05 Feb 2024 20:38

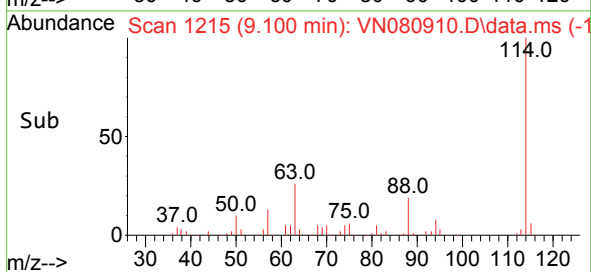
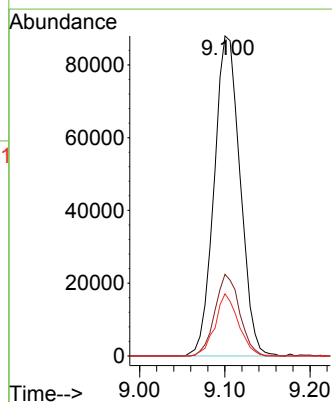
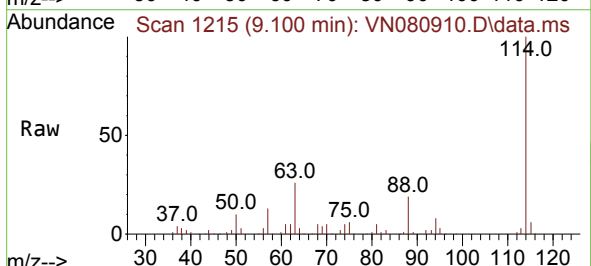
Tgt Ion: 114 Resp: 186239

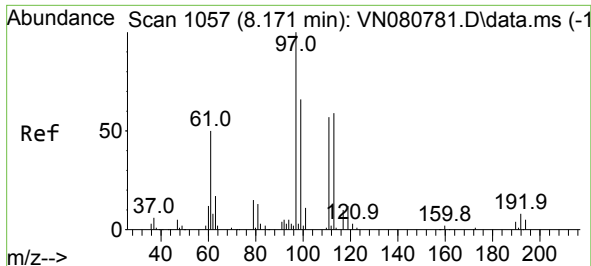
Ion Ratio Lower Upper

114 100

63 25.5 0.0 48.0

88 19.4 0.0 34.8

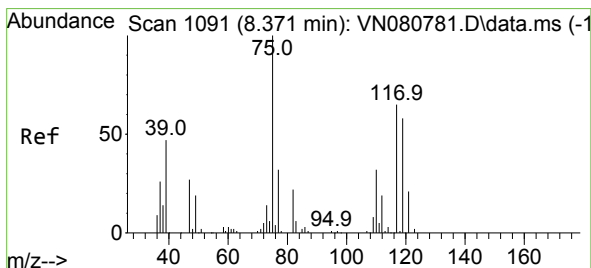
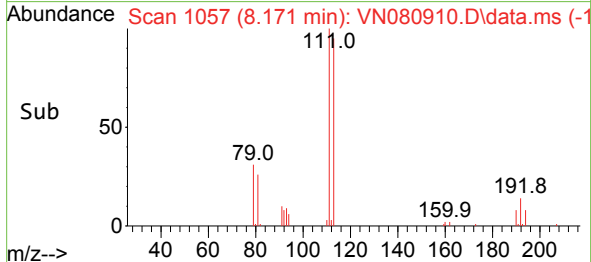
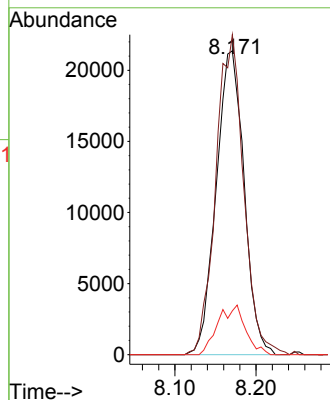
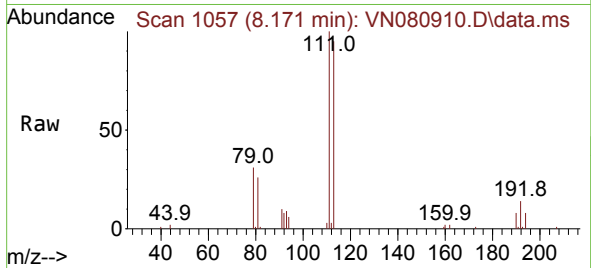




#35
Dibromofluoromethane
Concen: 44.863 ug/l
RT: 8.171 min Scan# 1057
Delta R.T. 0.000 min
Lab File: VN080910.D
Acq: 05 Feb 2024 20:38

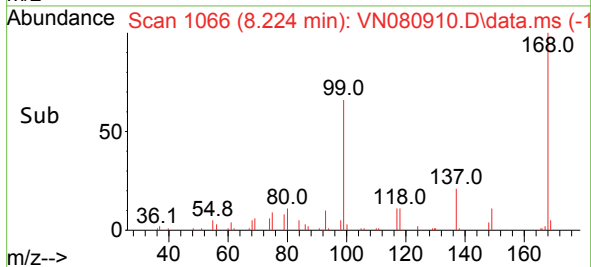
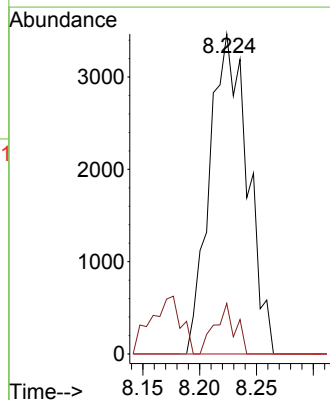
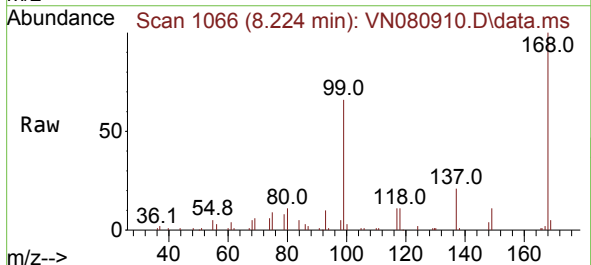
Instrument :
MSVOA_N
ClientSampleId :
EB-7-0-2

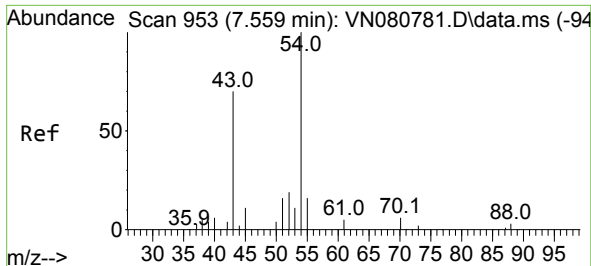
Tgt Ion:113 Resp: 51118
Ion Ratio Lower Upper
113 100
111 104.7 82.2 123.4
192 16.1 12.5 18.7



#36
1,1-Dichloropropene
Concen: 3.794 ug/l
RT: 8.224 min Scan# 1066
Delta R.T. -0.147 min
Lab File: VN080910.D
Acq: 05 Feb 2024 20:38

Tgt Ion: 75 Resp: 8036
Ion Ratio Lower Upper
75 100
110 8.5 16.0 48.0#
77 0.0 25.8 38.6#

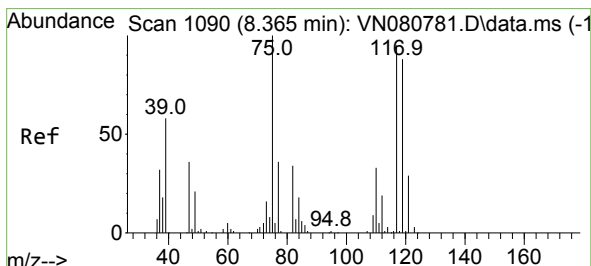
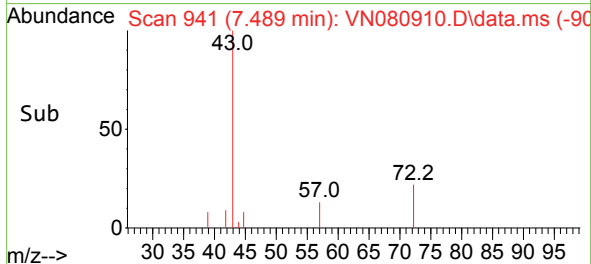
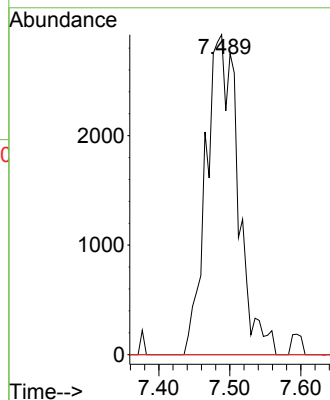
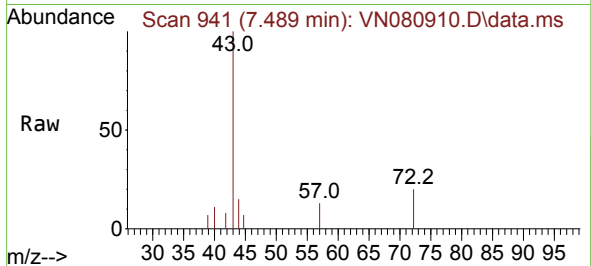




#37
Ethyl Acetate
Concen: 4.208 ug/l
RT: 7.489 min Scan# 941
Delta R.T. -0.071 min
Lab File: VN080910.D
Acq: 05 Feb 2024 20:38

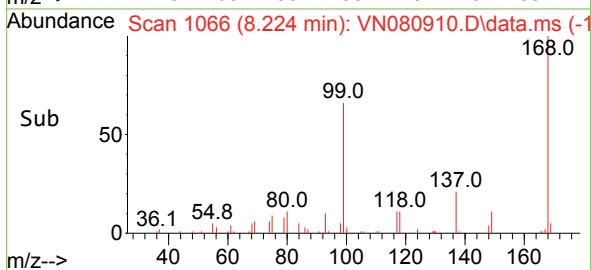
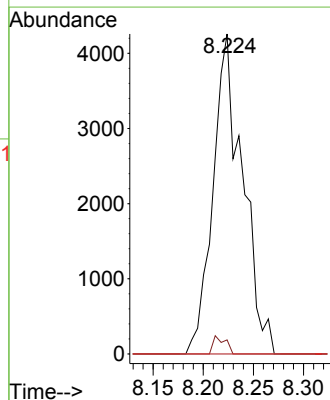
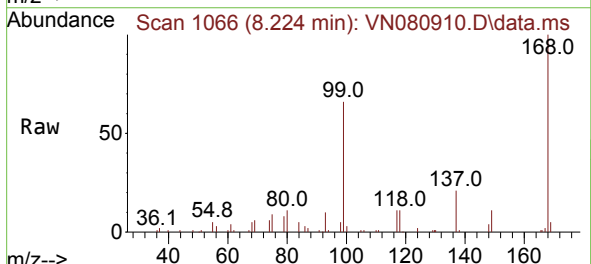
Instrument :
MSVOA_N
ClientSampleId :
EB-7-0-2

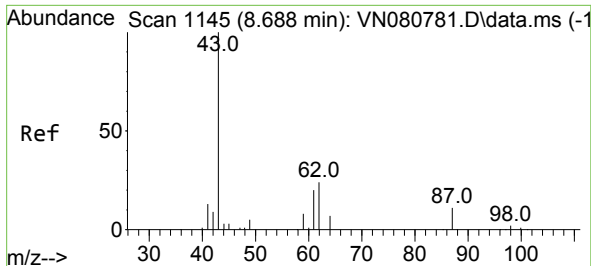
Tgt Ion: 43 Resp: 9173
Ion Ratio Lower Upper
43 100
61 0.0 10.6 15.8#
70 0.0 8.0 12.0#



#38
Carbon Tetrachloride
Concen: 5.106 ug/l
RT: 8.224 min Scan# 1066
Delta R.T. -0.141 min
Lab File: VN080910.D
Acq: 05 Feb 2024 20:38

Tgt Ion: 117 Resp: 8713
Ion Ratio Lower Upper
117 100
119 4.4 73.4 110.2#
121 0.0 24.4 36.6#

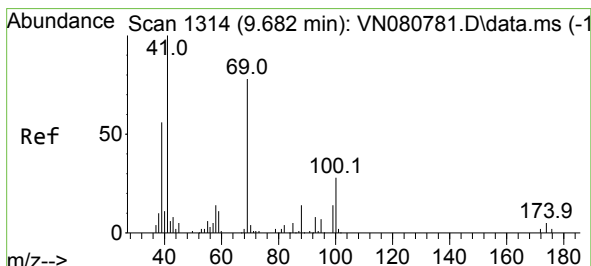
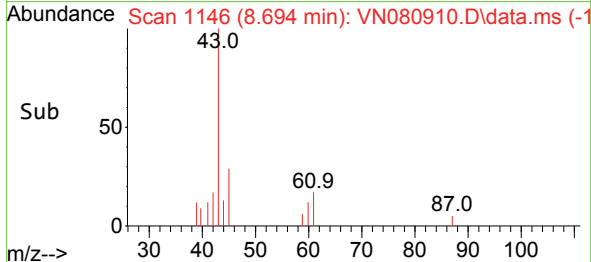
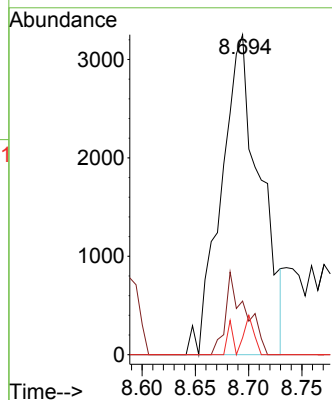
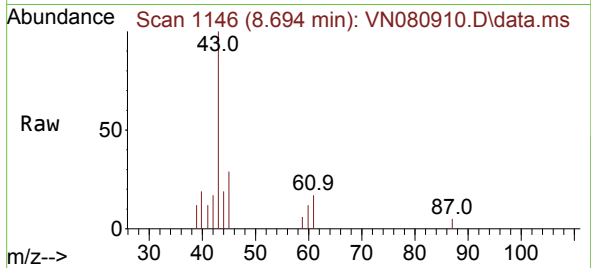




#43
Isopropyl Acetate
Concen: 2.075 ug/l
RT: 8.694 min Scan# 1146
Delta R.T. 0.006 min
Lab File: VN080910.D
Acq: 05 Feb 2024 20:38

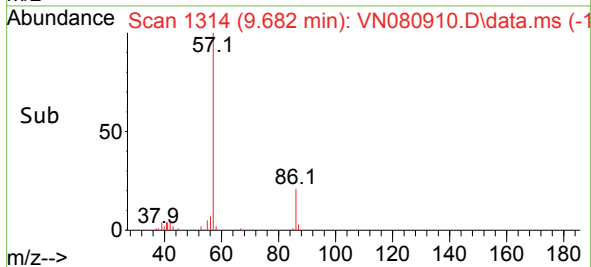
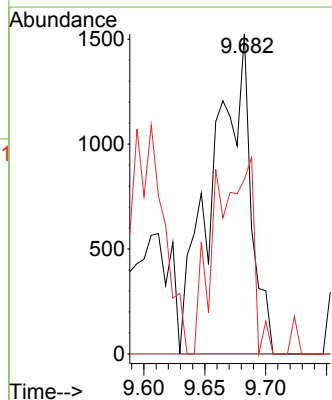
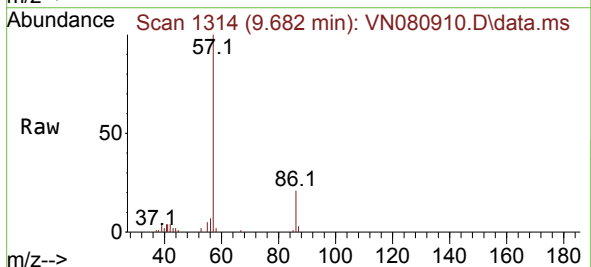
Instrument :
MSVOA_N
ClientSampleId :
EB-7-0-2

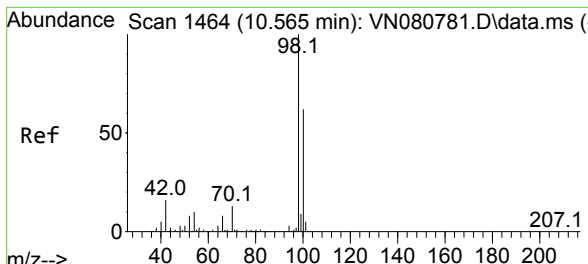
Tgt Ion: 43 Resp: 8235
Ion Ratio Lower Upper
43 100
61 0.0 19.9 29.9#
87 3.2 9.0 13.6#



#48
Methyl methacrylate
Concen: 1.725 ug/l
RT: 9.682 min Scan# 1314
Delta R.T. 0.000 min
Lab File: VN080910.D
Acq: 05 Feb 2024 20:38

Tgt Ion: 41 Resp: 3320
Ion Ratio Lower Upper
41 100
69 0.0 62.2 93.2#
39 60.8 47.6 71.4

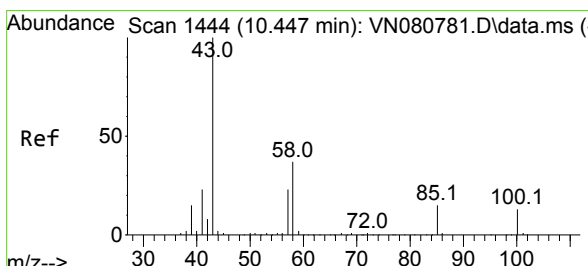
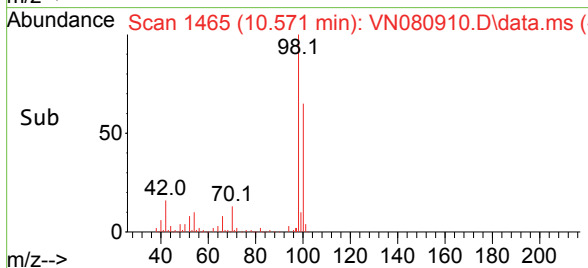
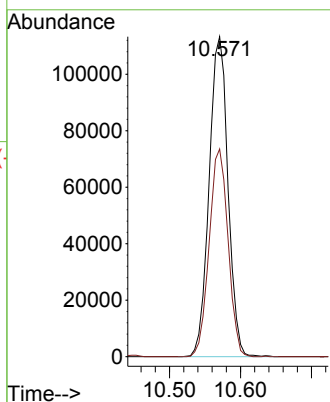
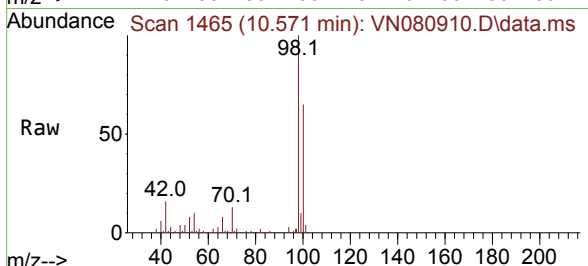




#50
Toluene-d8
Concen: 46.736 ug/l
RT: 10.571 min Scan# 1465
Delta R.T. 0.006 min
Lab File: VN080910.D
Acq: 05 Feb 2024 20:38

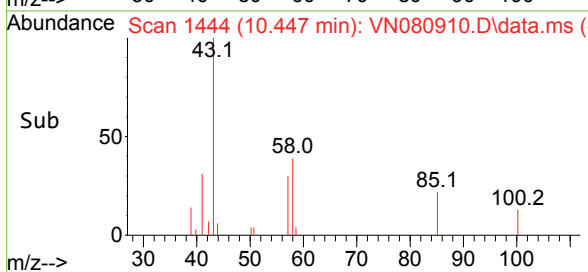
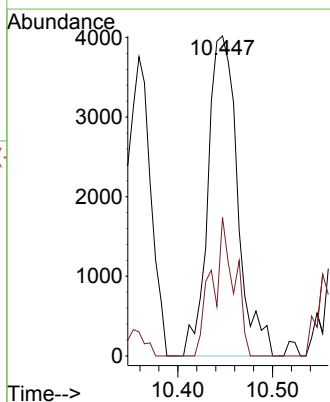
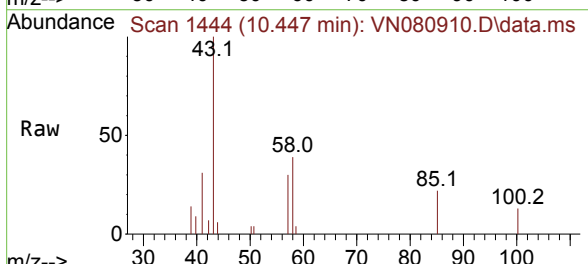
Instrument :
MSVOA_N
ClientSampleId :
EB-7-0-2

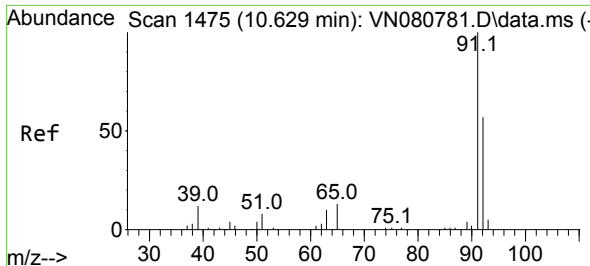
Tgt Ion: 98 Resp: 208422
Ion Ratio Lower Upper
98 100
100 65.0 51.4 77.0



#51
4-Methyl-2-Pentanone
Concen: 3.942 ug/l
RT: 10.447 min Scan# 1444
Delta R.T. 0.000 min
Lab File: VN080910.D
Acq: 05 Feb 2024 20:38

Tgt Ion: 43 Resp: 8747
Ion Ratio Lower Upper
43 100
58 32.7 29.4 44.0

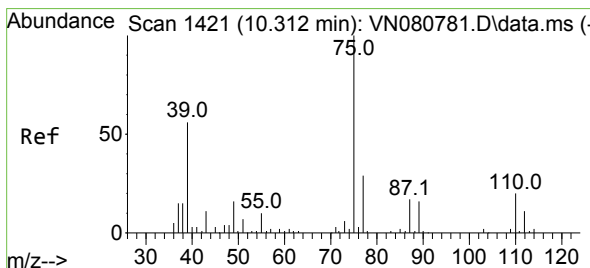
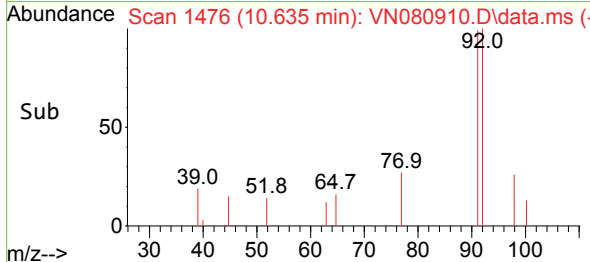
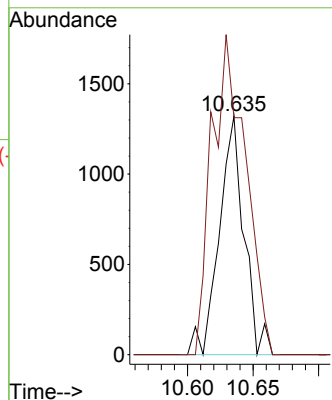
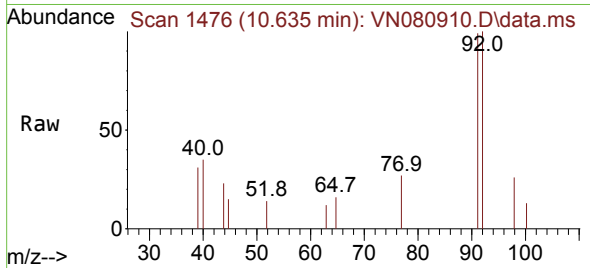




#52
Toluene
Concen: 0.483 ug/l
RT: 10.635 min Scan# 1475
Delta R.T. 0.006 min
Lab File: VN080910.D
Acq: 05 Feb 2024 20:38

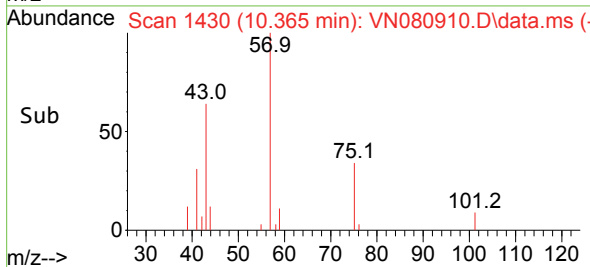
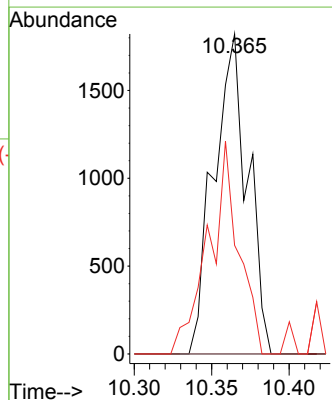
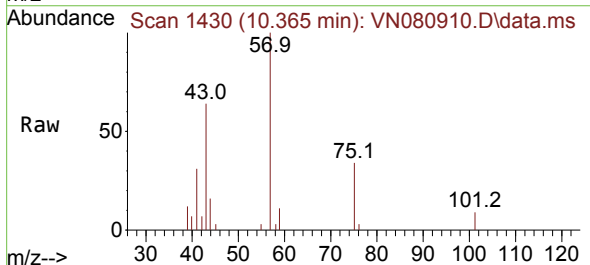
Instrument :
MSVOA_N
ClientSampleId :
EB-7-0-2

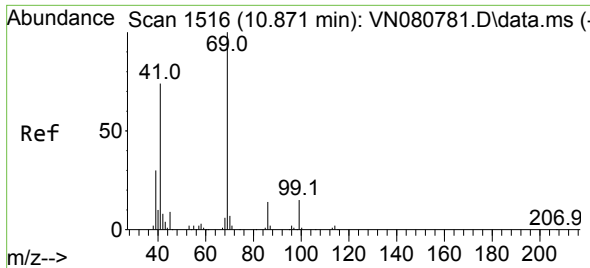
Tgt Ion: 92 Resp: 1724
Ion Ratio Lower Upper
92 100
91 184.6 139.4 209.0



#54
cis-1,3-Dichloropropene
Concen: 1.079 ug/l
RT: 10.365 min Scan# 1430
Delta R.T. 0.053 min
Lab File: VN080910.D
Acq: 05 Feb 2024 20:38

Tgt Ion: 75 Resp: 2772
Ion Ratio Lower Upper
75 100
77 0.0 23.3 34.9#
39 33.9 44.6 66.8#

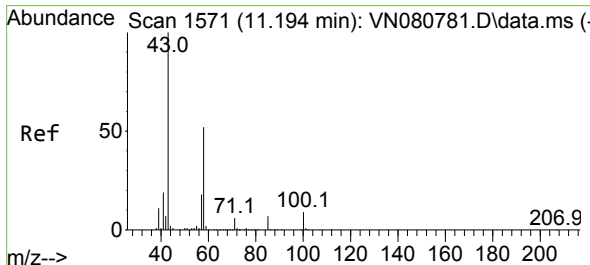
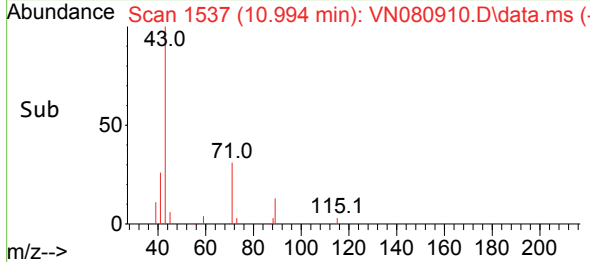
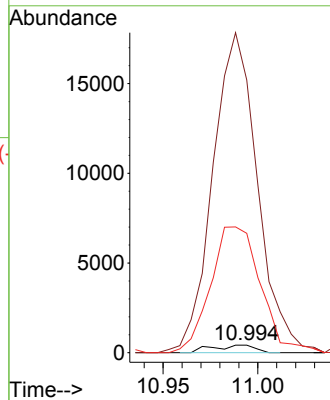
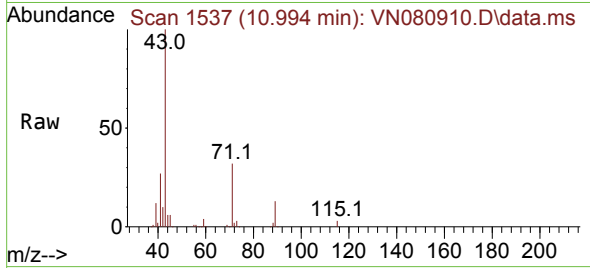




#56
Ethyl methacrylate
Concen: 0.313 ug/l
RT: 10.994 min Scan# 11
Delta R.T. 0.123 min
Lab File: VN080910.D
Acq: 05 Feb 2024 20:38

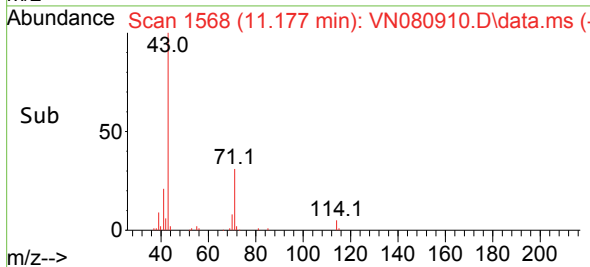
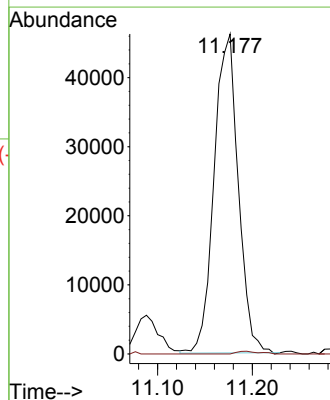
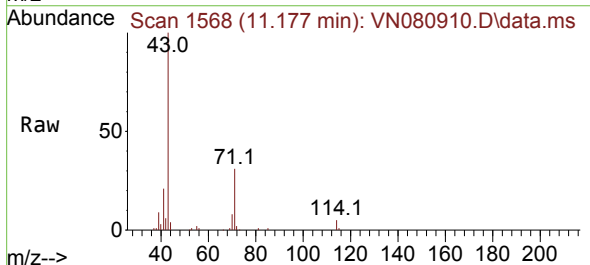
Instrument :
MSVOA_N
ClientSampleId :
EB-7-0-2

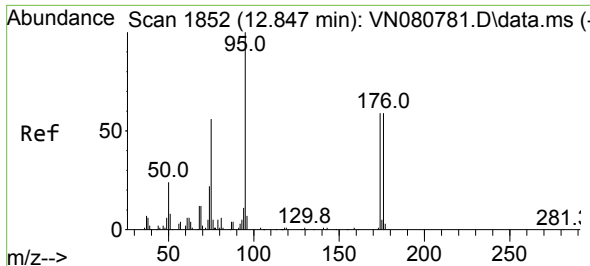
Tgt Ion: 69 Resp: 659
Ion Ratio Lower Upper
69 100
41 4455.8 61.0 91.6#
39 1957.4 31.8 47.6#



#59
2-Hexanone
Concen: 47.375 ug/l
RT: 11.177 min Scan# 1568
Delta R.T. -0.018 min
Lab File: VN080910.D
Acq: 05 Feb 2024 20:38

Tgt Ion: 43 Resp: 81654
Ion Ratio Lower Upper
43 100
58 0.8 25.9 77.8#

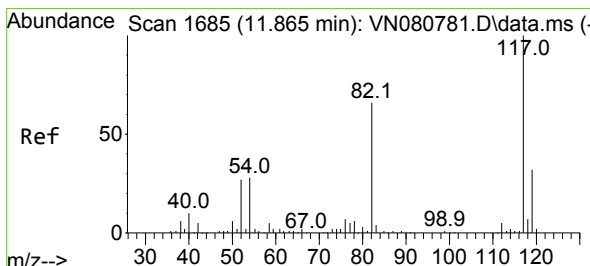
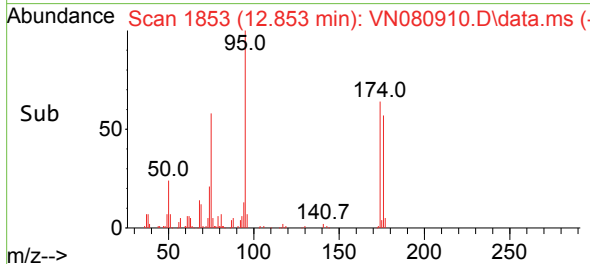
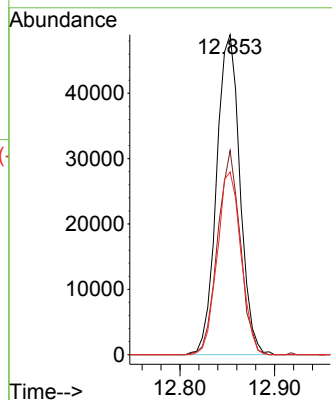
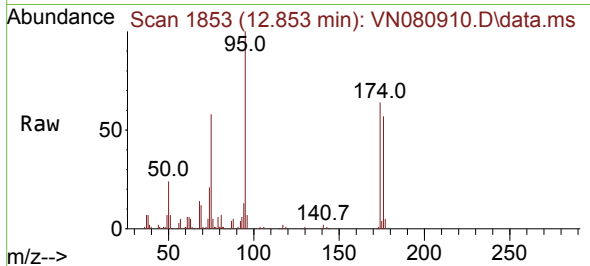




#62
4-Bromofluorobenzene
Concen: 54.161 ug/l
RT: 12.853 min Scan# 1853
Delta R.T. 0.006 min
Lab File: VN080910.D
Acq: 05 Feb 2024 20:38

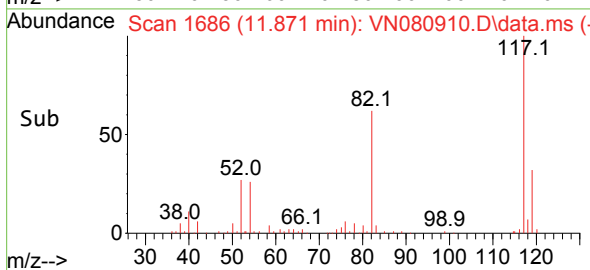
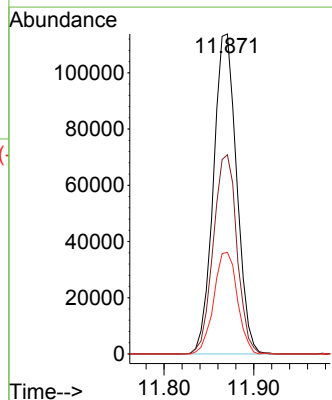
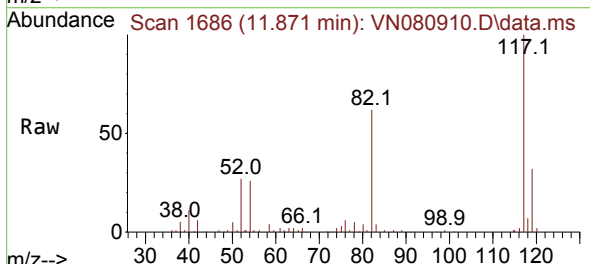
Instrument :
MSVOA_N
ClientSampleId :
EB-7-0-2

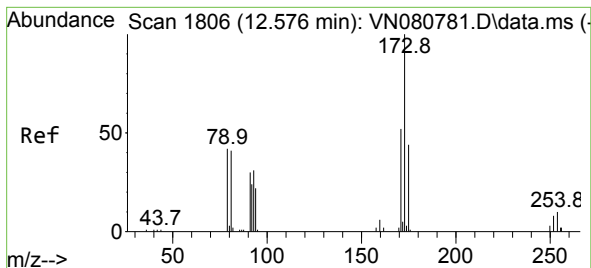
Tgt Ion: 95 Resp: 84169
Ion Ratio Lower Upper
95 100
174 61.6 0.0 120.4
176 58.0 0.0 121.0



#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.871 min Scan# 1686
Delta R.T. 0.006 min
Lab File: VN080910.D
Acq: 05 Feb 2024 20:38

Tgt Ion: 117 Resp: 204801
Ion Ratio Lower Upper
117 100
82 62.3 52.7 79.1
119 31.7 25.3 37.9





#71

Bromoform

Concen: 0.470 ug/l

RT: 12.847 min Scan# 11

Delta R.T. 0.271 min

Lab File: VN080910.D

Acq: 05 Feb 2024 20:38

Instrument :

MSVOA_N

ClientSampleId :

EB-7-0-2

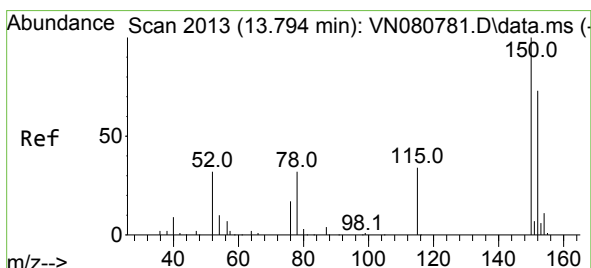
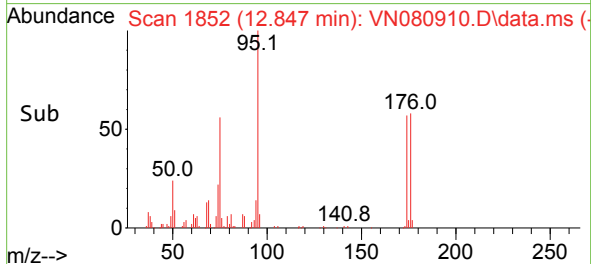
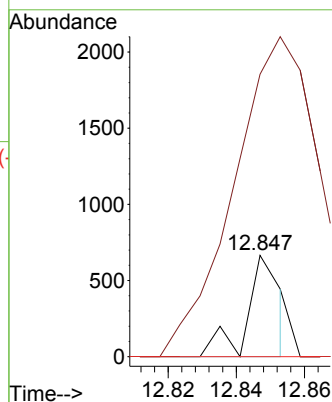
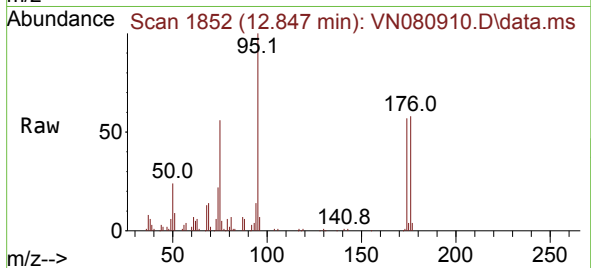
Tgt Ion:173 Resp: 462

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: VN080910.D

Acq: 05 Feb 2024 20:38

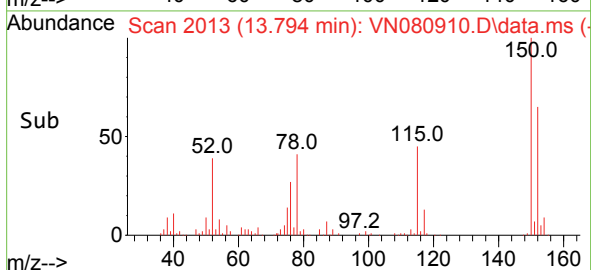
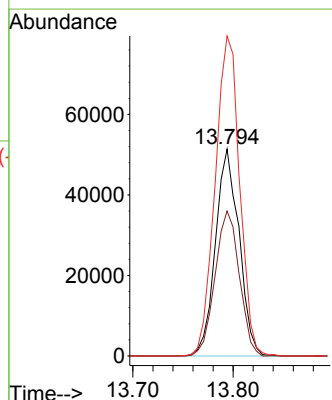
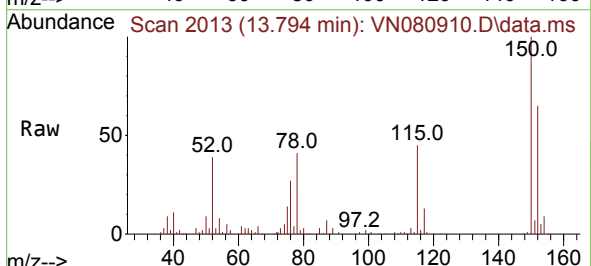
Tgt Ion:152 Resp: 84032

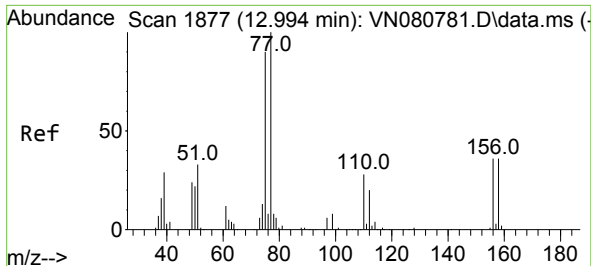
Ion Ratio Lower Upper

152 100

115 72.0 32.3 96.8

150 160.4 0.0 339.8

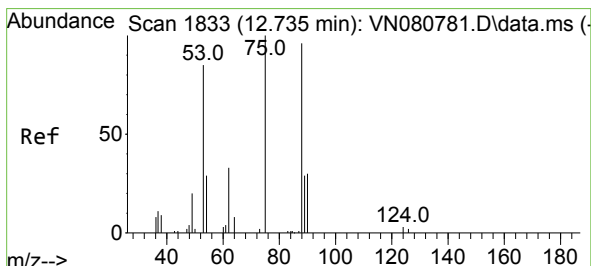
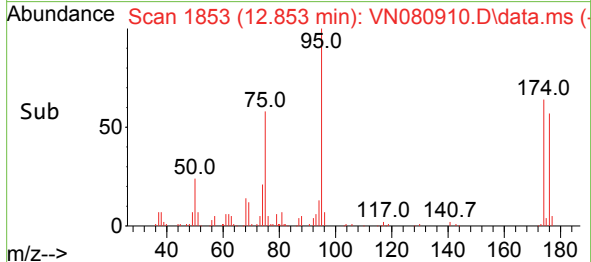
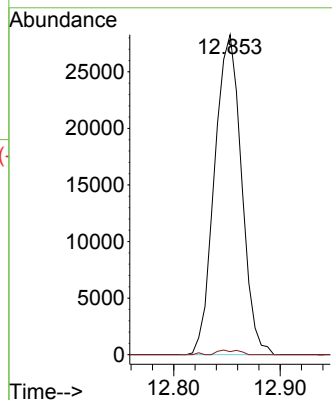
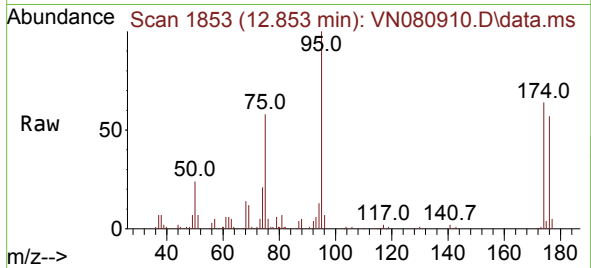




#76
 1,2,3-Trichloropropane
 Concen: 19.590 ug/l
 RT: 12.853 min Scan# 1853
 Delta R.T. -0.141 min
 Lab File: VN080910.D
 Acq: 05 Feb 2024 20:38

Instrument :
 MSVOA_N
 ClientSampleId :
 EB-7-0-2

Tgt Ion: 75 Resp: 49649
 Ion Ratio Lower Upper
 75 100
 77 1.1 91.0 272.8#



#81
 trans-1,4-Dichloro-2-butene
 Concen: 50.467 ug/l
 RT: 12.853 min Scan# 1853
 Delta R.T. 0.118 min
 Lab File: VN080910.D
 Acq: 05 Feb 2024 20:38

Tgt Ion: 75 Resp: 49649
 Ion Ratio Lower Upper
 75 100
 53 0.0 71.4 107.2#
 89 0.0 33.4 50.0#

