

Data Path : Z:\voasrv\HPCHEM1\MSVOA_N\Data\VN020524\
 Data File : VN080906.D
 Acq On : 05 Feb 2024 19:02
 Operator : JC\MD
 Sample : P1366-02
 Misc : 5.0mL/MSVOA_N/WATER
 ALS Vial : 17 Sample Multiplier: 1

Instrument :
 MSVOA_N
 ClientSampleId :
 EB-2-6-8

Quant Time: Feb 06 04:47:18 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)

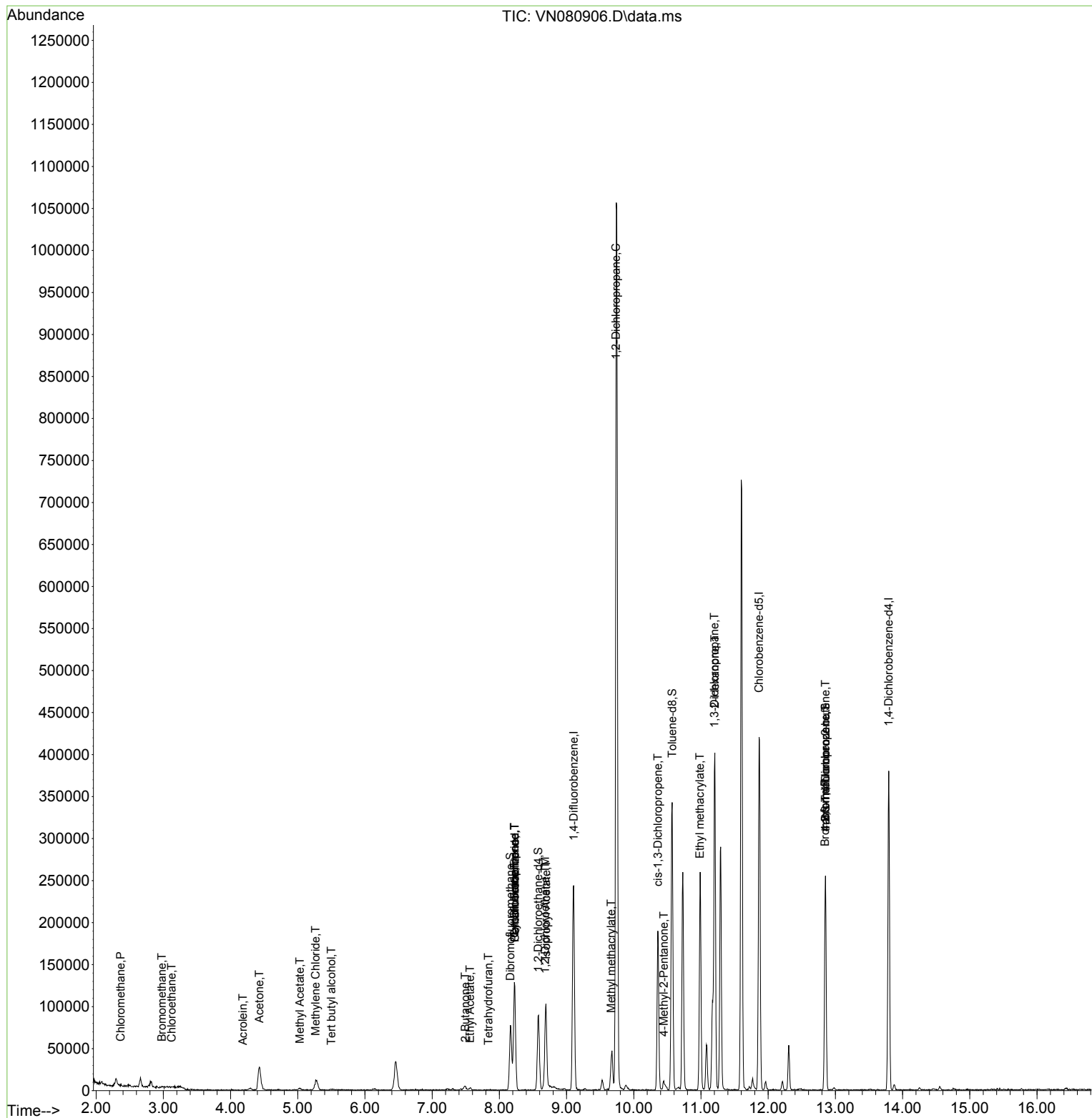
Internal Standards						
1) Pentafluorobenzene	8.230	168	79127	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	9.106	114	191463	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.865	117	214097	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.794	152	83046	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.577	65	64998	47.483	ug/l	0.00
Spiked Amount 50.000	Range 74 - 125		Recovery =	94.960%		
35) Dibromofluoromethane	8.165	113	53172	45.393	ug/l	0.00
Spiked Amount 50.000	Range 75 - 124		Recovery =	90.780%		
50) Toluene-d8	10.571	98	217398	47.418	ug/l	0.00
Spiked Amount 50.000	Range 86 - 113		Recovery =	94.840%		
62) 4-Bromofluorobenzene	12.853	95	85794	53.700	ug/l	0.00
Spiked Amount 50.000	Range 83 - 123		Recovery =	107.400%		
Target Compounds						Qvalue
3) Chloromethane	2.365	50	1472	0.833	ug/l #	43
5) Bromomethane	2.977	94	141	0.262	ug/l #	6
6) Chloroethane	3.124	64	577	0.806	ug/l #	42
11) Tert butyl alcohol	5.500	59	452	2.026	ug/l #	72
13) Acrolein	4.183	56	198	0.704	ug/l	95
16) Acetone	4.430	43	50760	102.245	ug/l	95
18) Methyl Acetate	5.030	43	4213	2.435	ug/l #	69
20) Methylene Chloride	5.265	84	7865	6.035	ug/l	90
25) 2-Butanone	7.494	43	8032	8.518	ug/l	96
29) Tetrahydrofuran	7.836	42	329	0.516	ug/l #	56
31) Cyclohexane	8.224	56	3132	1.334	ug/l #	53
36) 1,1-Dichloropropene	8.224	75	9314	4.278	ug/l #	46
37) Ethyl Acetate	7.565	43	4292	1.915	ug/l #	90
38) Carbon Tetrachloride	8.230	117	9760	5.564	ug/l #	17
42) 1,2-Dichloroethane	8.683	62	518	0.248	ug/l #	75
43) Isopropyl Acetate	8.694	43	121751	29.837	ug/l #	89
45) 1,2-Dichloropropane	9.735	63	1612	0.931	ug/l #	42
48) Methyl methacrylate	9.665	41	3813	1.927	ug/l #	44
51) 4-Methyl-2-Pentanone	10.447	43	12580	5.515	ug/l #	73
54) cis-1,3-Dichloropropene	10.359	75	30978	11.733	ug/l #	68
56) Ethyl methacrylate	10.982	69	612	0.282	ug/l #	1
57) 1,3-Dichloropropane	11.200	76	4172	1.572	ug/l #	43
59) 2-Hexanone	11.206	43	50633	28.575	ug/l #	61
71) Bromoform	12.847	173	247	0.240	ug/l #	1
76) 1,2,3-Trichloropropane	12.853	75	50979	20.354	ug/l #	1
81) trans-1,4-Dichloro-2-b...	12.853	75	50979	52.434	ug/l #	14

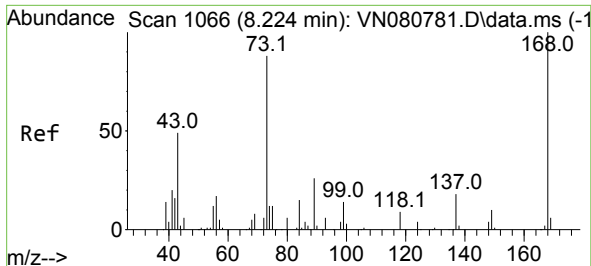
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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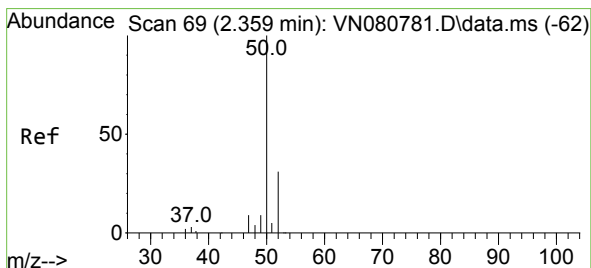
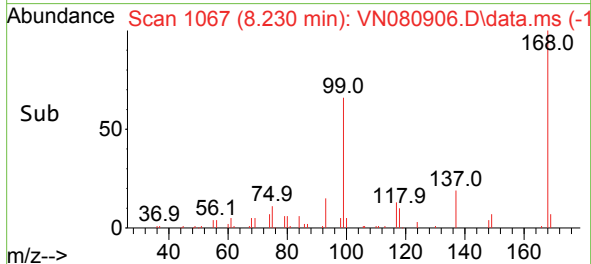
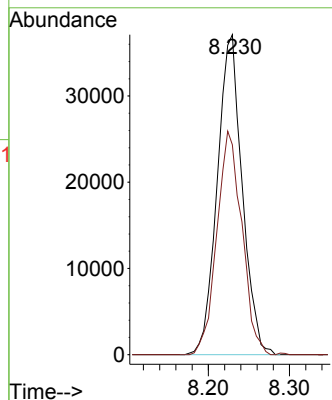
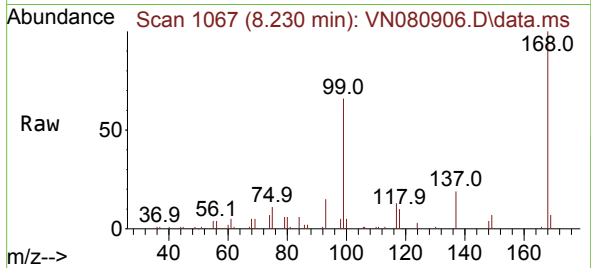




#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 8.230 min Scan# 10
Delta R.T. 0.006 min
Lab File: VN080906.D
Acq: 05 Feb 2024 19:02

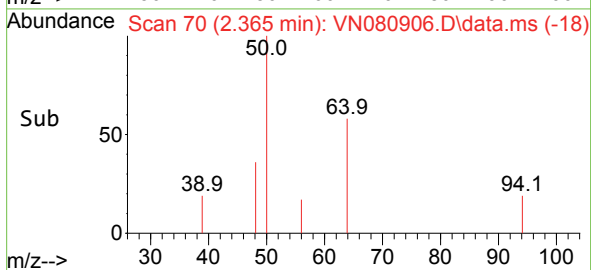
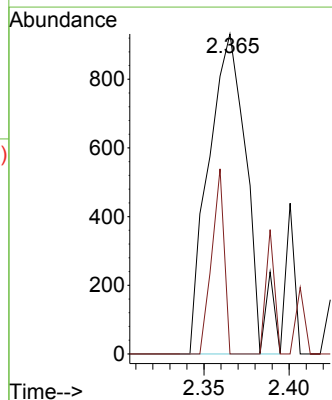
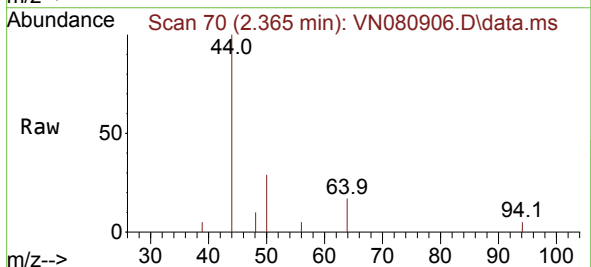
Instrument :
MSVOA_N
ClientSampleId :
EB-2-6-8

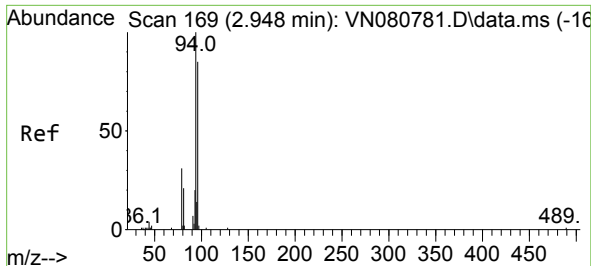
Tgt Ion:168 Resp: 79127
Ion Ratio Lower Upper
168 100
99 65.6 59.9 89.9



#3
Chloromethane
Concen: 0.833 ug/l
RT: 2.365 min Scan# 70
Delta R.T. 0.006 min
Lab File: VN080906.D
Acq: 05 Feb 2024 19:02

Tgt Ion: 50 Resp: 1472
Ion Ratio Lower Upper
50 100
52 0.0 25.0 37.4#

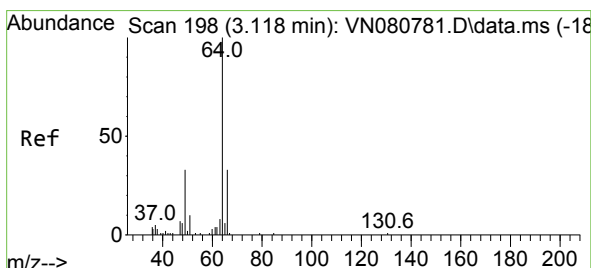
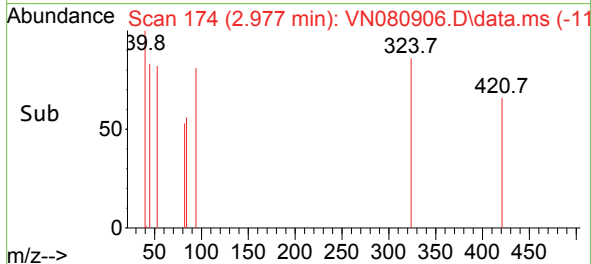
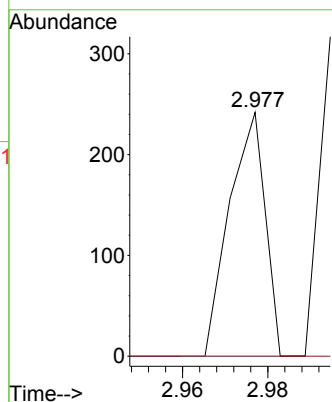
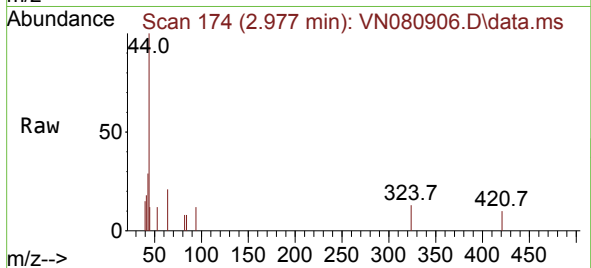




#5
Bromomethane
Concen: 0.262 ug/l
RT: 2.977 min Scan# 11
Delta R.T. 0.029 min
Lab File: VN080906.D
Acq: 05 Feb 2024 19:02

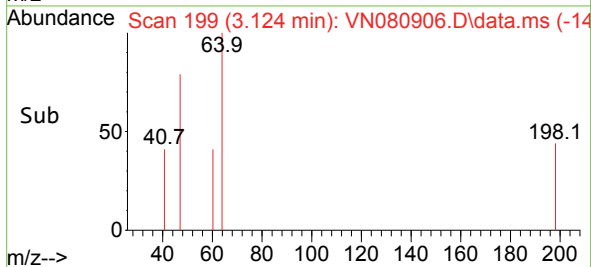
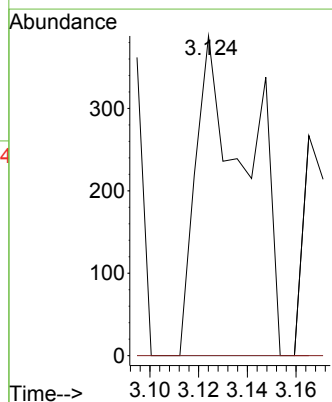
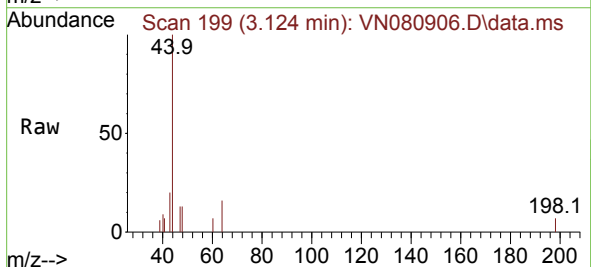
Instrument :
MSVOA_N
ClientSampleId :
EB-2-6-8

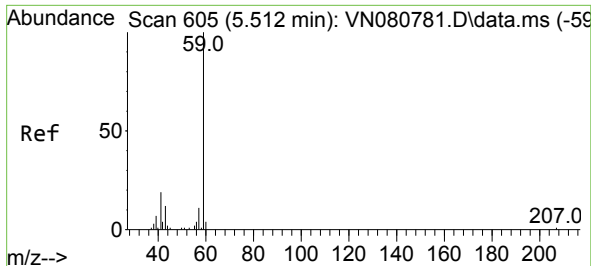
Tgt Ion: 94 Resp: 141
Ion Ratio Lower Upper
94 100
96 0.0 69.2 103.8#



#6
Chloroethane
Concen: 0.806 ug/l
RT: 3.124 min Scan# 199
Delta R.T. 0.006 min
Lab File: VN080906.D
Acq: 05 Feb 2024 19:02

Tgt Ion: 64 Resp: 577
Ion Ratio Lower Upper
64 100
66 0.0 26.4 39.6#

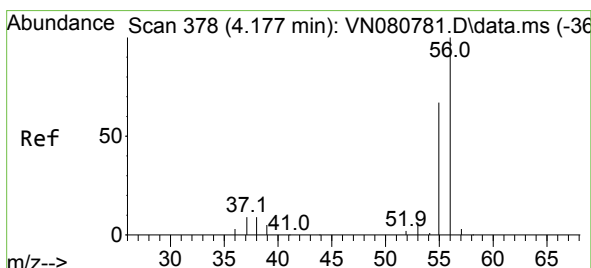
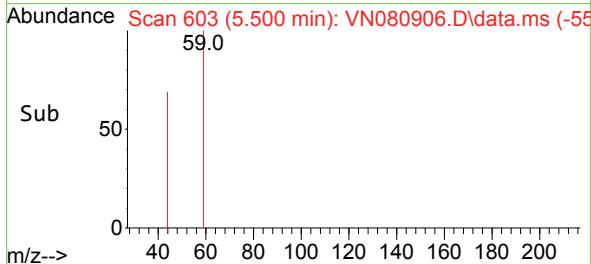
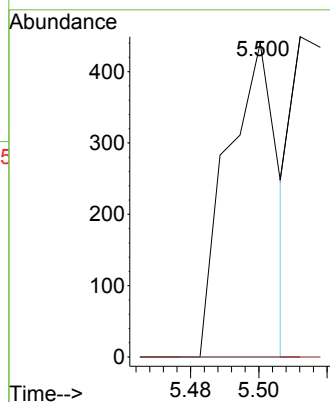
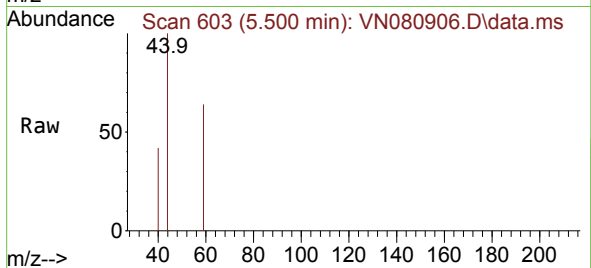




#11
Tert butyl alcohol
Concen: 2.026 ug/l
RT: 5.500 min Scan# 605
Delta R.T. -0.012 min
Lab File: VN080906.D
Acq: 05 Feb 2024 19:02

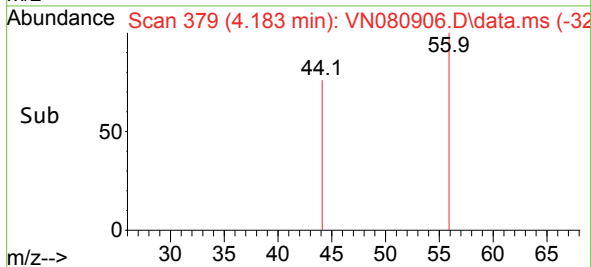
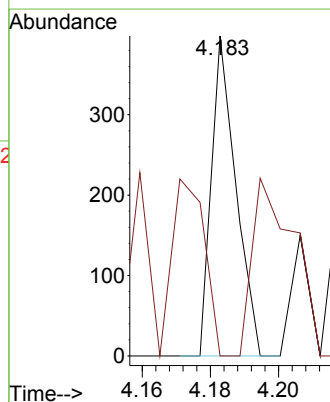
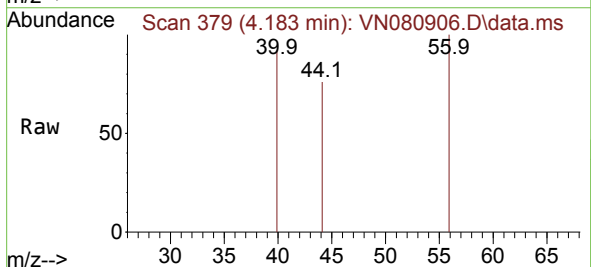
Instrument :
MSVOA_N
ClientSampleId :
EB-2-6-8

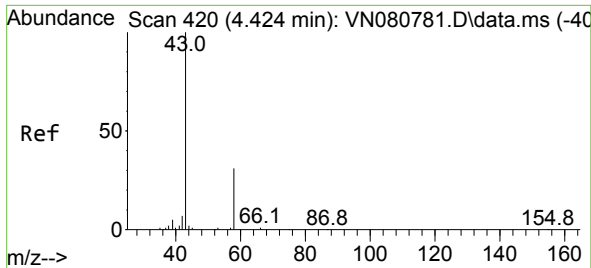
Tgt Ion: 59 Resp: 452
Ion Ratio Lower Upper
59 100
57 0.0 8.6 12.8#



#13
Acrolein
Concen: 0.704 ug/l
RT: 4.183 min Scan# 379
Delta R.T. 0.006 min
Lab File: VN080906.D
Acq: 05 Feb 2024 19:02

Tgt Ion: 56 Resp: 198
Ion Ratio Lower Upper
56 100
55 73.2 55.3 82.9

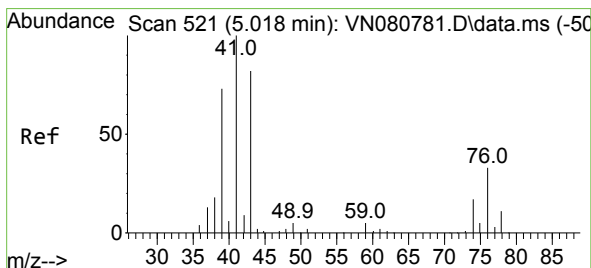
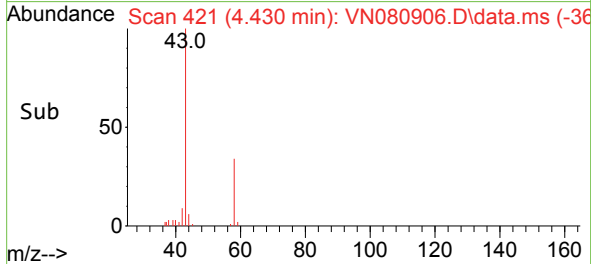
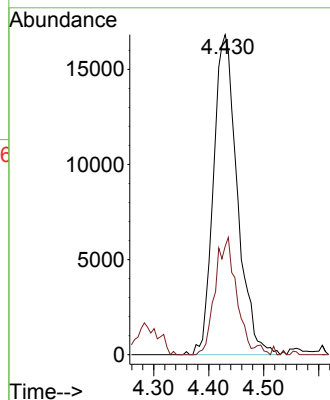
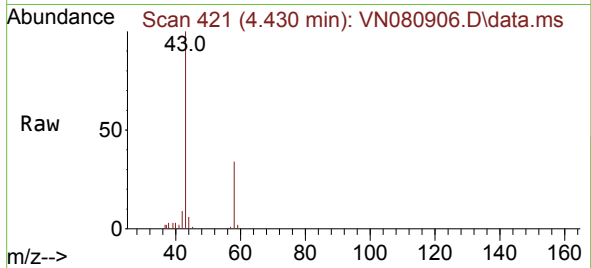




#16
Acetone
Concen: 102.245 ug/l
RT: 4.430 min Scan# 41
Delta R.T. 0.006 min
Lab File: VN080906.D
Acq: 05 Feb 2024 19:02

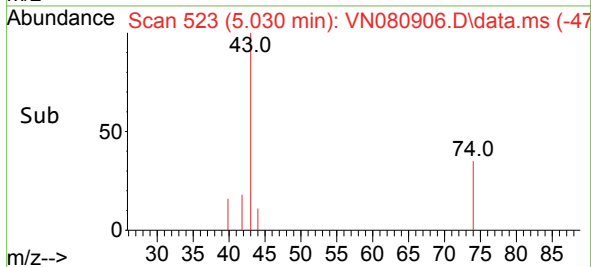
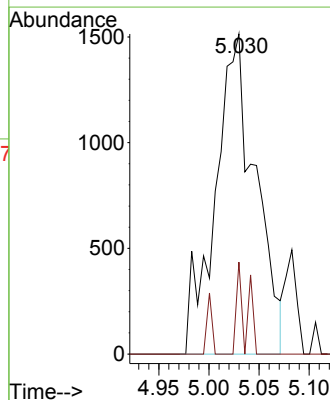
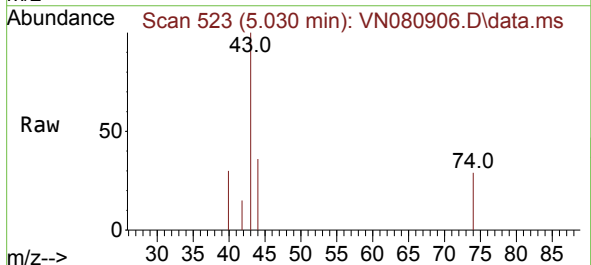
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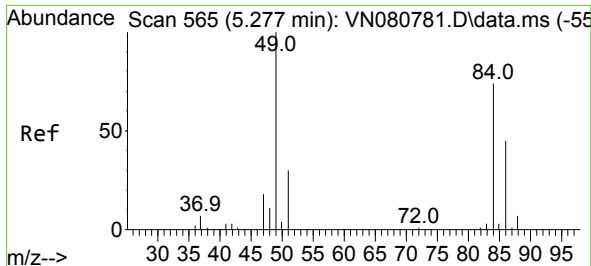
Tgt Ion: 43 Resp: 50760
Ion Ratio Lower Upper
43 100
58 33.8 24.8 37.2



#18
Methyl Acetate
Concen: 2.435 ug/l
RT: 5.030 min Scan# 523
Delta R.T. 0.012 min
Lab File: VN080906.D
Acq: 05 Feb 2024 19:02

Tgt Ion: 43 Resp: 4213
Ion Ratio Lower Upper
43 100
74 6.8 17.3 25.9#

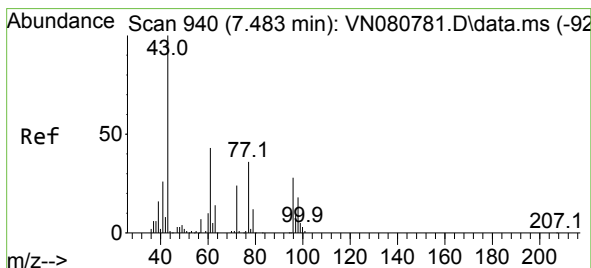
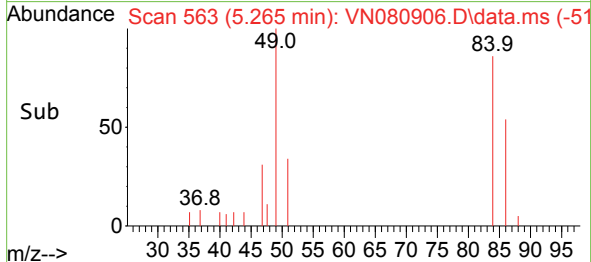
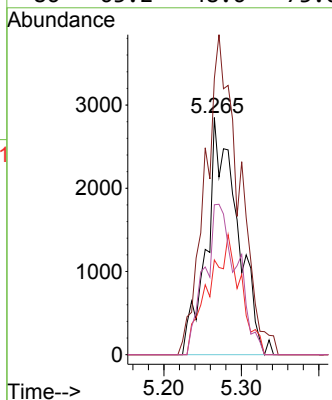
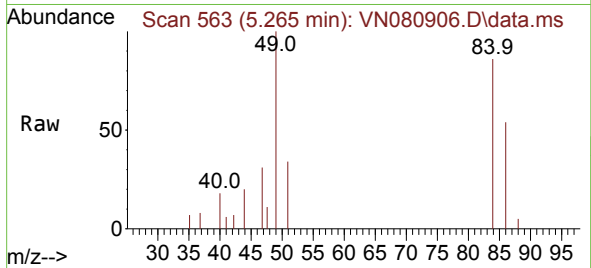




#20
Methylene Chloride
Concen: 6.035 ug/l
RT: 5.265 min Scan# 51
Delta R.T. -0.012 min
Lab File: VN080906.D
Acq: 05 Feb 2024 19:02

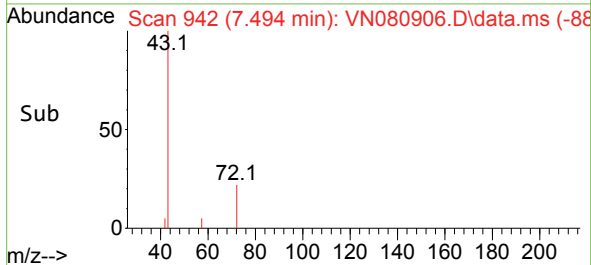
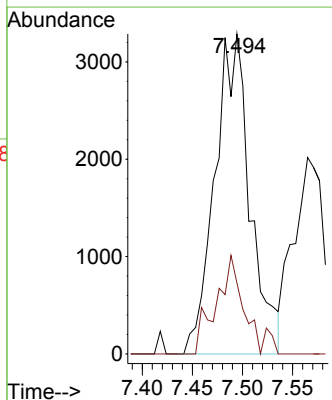
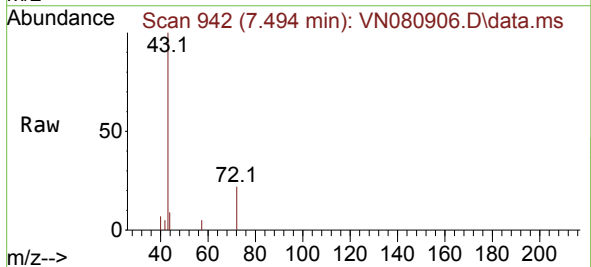
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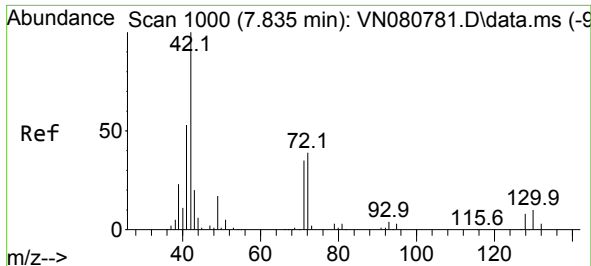
Tgt Ion: 84	Resp: 7865
Ion Ratio	Lower Upper
84 100	
49 116.5	108.1 162.1
51 40.0	32.9 49.3
86 63.2	48.6 73.0



#25
2-Butanone
Concen: 8.518 ug/l
RT: 7.494 min Scan# 942
Delta R.T. 0.012 min
Lab File: VN080906.D
Acq: 05 Feb 2024 19:02

Tgt Ion: 43	Resp: 8032		
Ion Ratio	Lower	Upper	
43 100			
72 22.2	19.5	29.3	





#29

Tetrahydrofuran

Concen: 0.516 ug/l

RT: 7.836 min Scan# 10

Delta R.T. 0.000 min

Lab File: VN080906.D

Acq: 05 Feb 2024 19:02

Instrument :

MSVOA_N

ClientSampleId :

EB-2-6-8

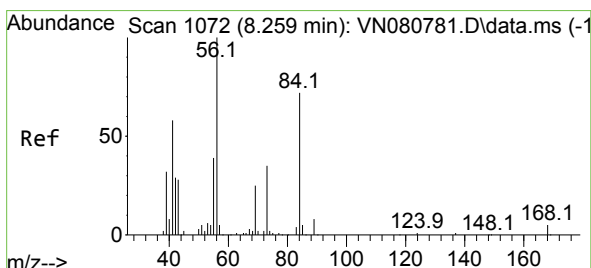
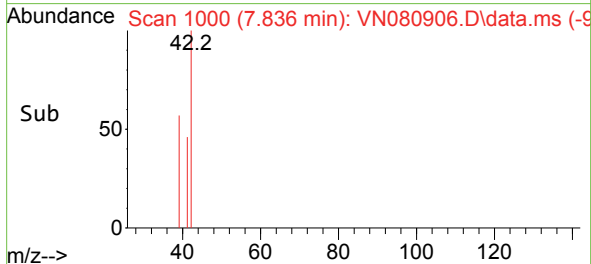
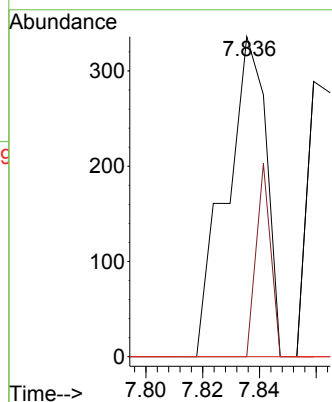
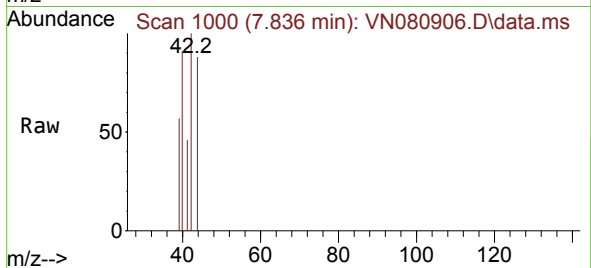
Tgt Ion: 42 Resp: 329

Ion Ratio Lower Upper

42 100

72 21.9 31.1 46.7#

71 0.0 28.3 42.5#



#31

Cyclohexane

Concen: 1.334 ug/l

RT: 8.224 min Scan# 1066

Delta R.T. -0.035 min

Lab File: VN080906.D

Acq: 05 Feb 2024 19:02

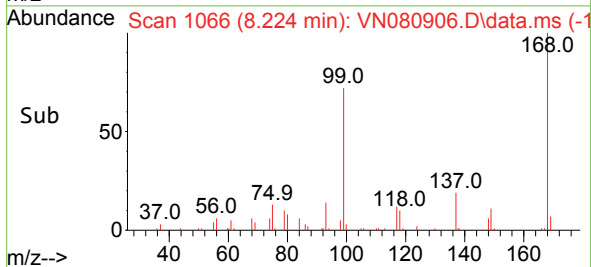
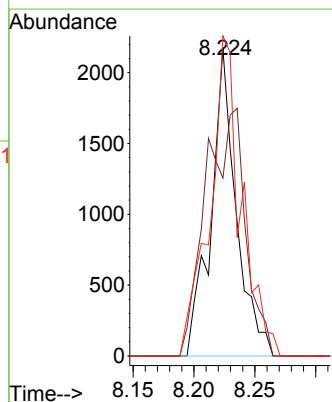
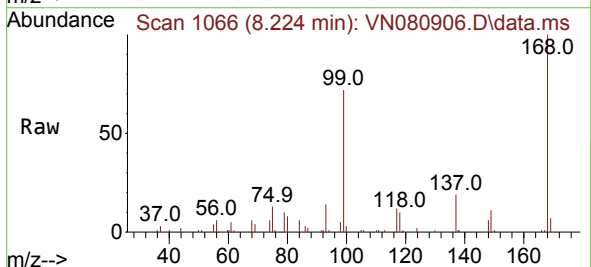
Tgt Ion: 56 Resp: 3132

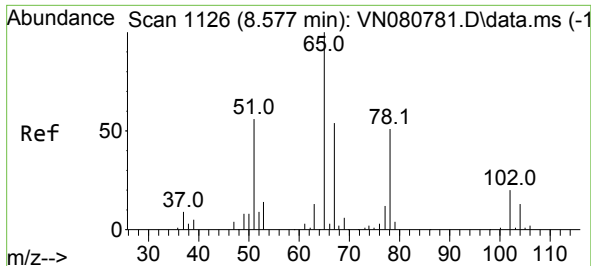
Ion Ratio Lower Upper

56 100

69 57.9 20.1 30.1#

84 104.1 56.9 85.3#





#33

1,2-Dichloroethane-d4

Concen: 47.483 ug/l

RT: 8.577 min Scan# 1126

Delta R.T. 0.000 min

Lab File: VN080906.D

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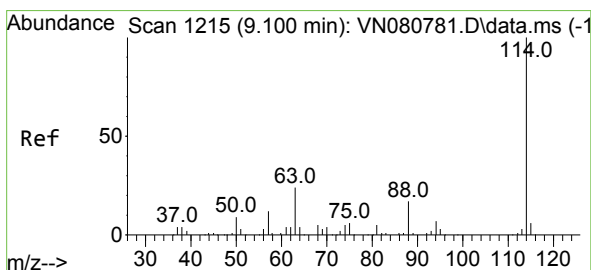
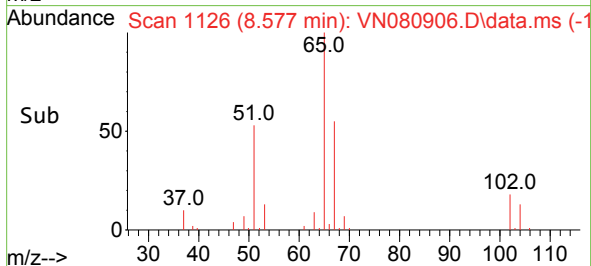
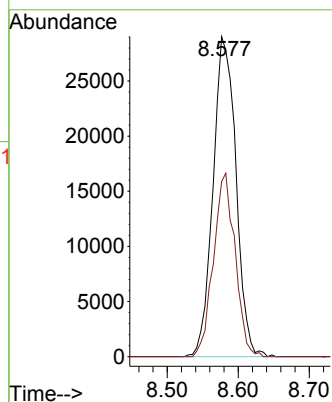
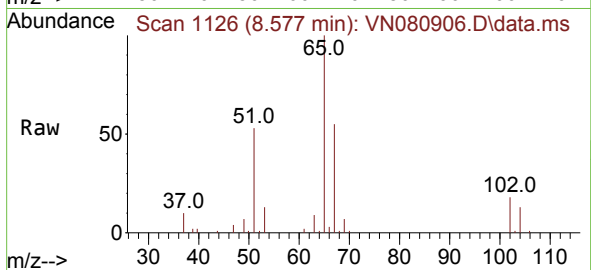
EB-2-6-8

Tgt Ion: 65 Resp: 64998

Ion Ratio Lower Upper

65 100

67 54.1 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: VN080906.D

Acq: 05 Feb 2024 19:02

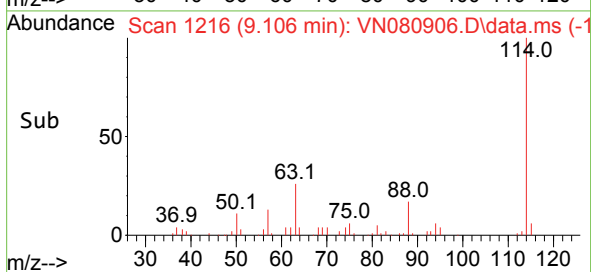
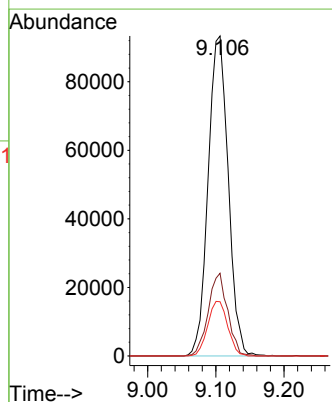
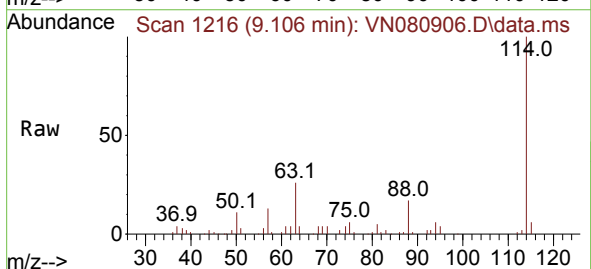
Tgt Ion: 114 Resp: 191463

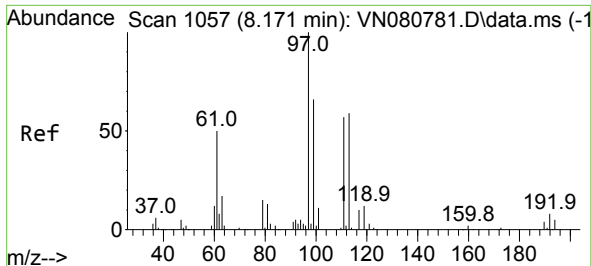
Ion Ratio Lower Upper

114 100

63 25.9 0.0 48.0

88 17.0 0.0 34.8

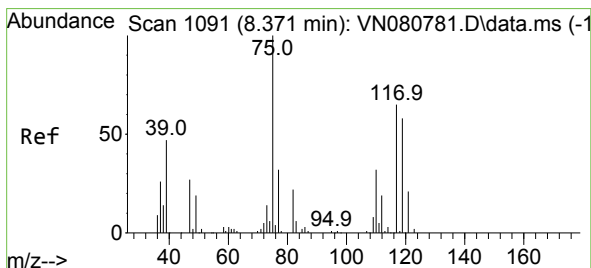
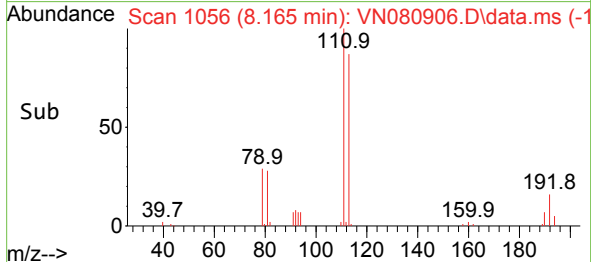
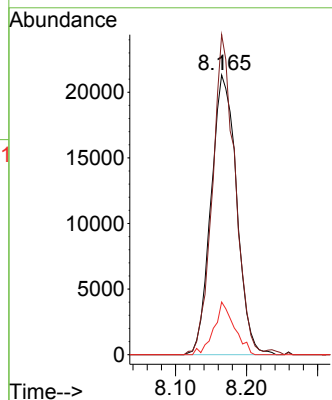
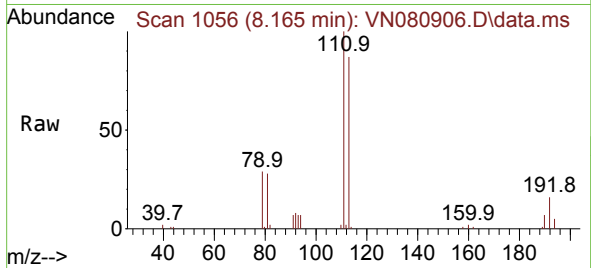




#35
Dibromofluoromethane
Concen: 45.393 ug/l
RT: 8.165 min Scan# 1056
Delta R.T. -0.006 min
Lab File: VN080906.D
Acq: 05 Feb 2024 19:02

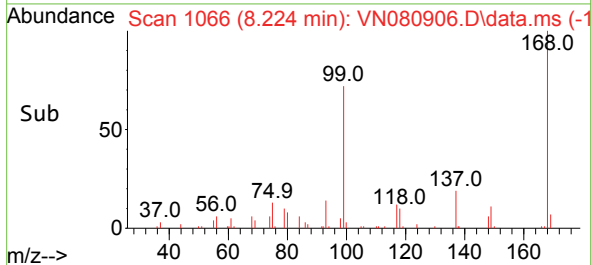
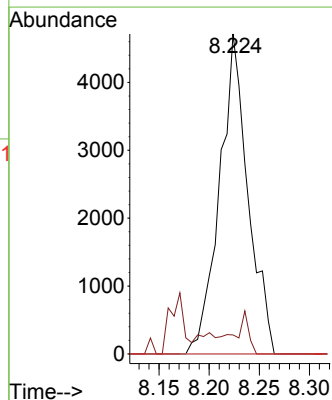
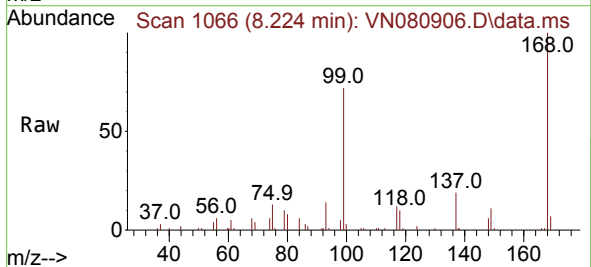
Instrument :
MSVOA_N
ClientSampleId :
EB-2-6-8

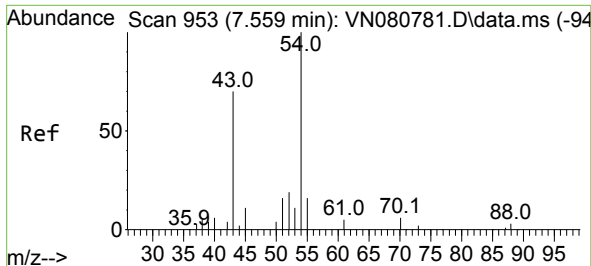
Tgt Ion:113 Resp: 53172
Ion Ratio Lower Upper
113 100
111 101.2 82.2 123.4
192 15.1 12.5 18.7



#36
1,1-Dichloropropene
Concen: 4.278 ug/l
RT: 8.224 min Scan# 1066
Delta R.T. -0.147 min
Lab File: VN080906.D
Acq: 05 Feb 2024 19:02

Tgt Ion: 75 Resp: 9314
Ion Ratio Lower Upper
75 100
110 4.0 16.0 48.0#
77 0.0 25.8 38.6#





#37

Ethyl Acetate

Concen: 1.915 ug/l

RT: 7.565 min Scan# 91

Delta R.T. 0.006 min

Lab File: VN080906.D

Acq: 05 Feb 2024 19:02

Instrument :

MSVOA_N

ClientSampleId :

EB-2-6-8

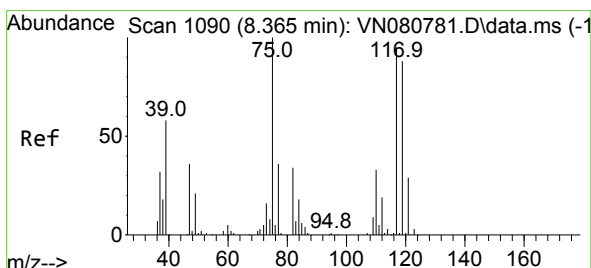
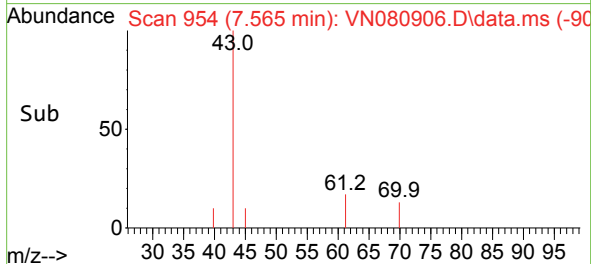
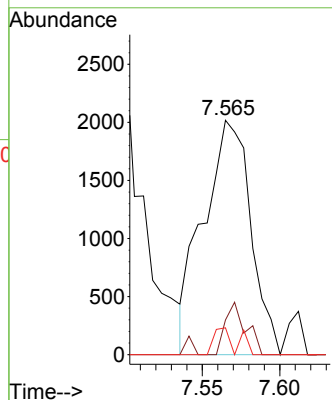
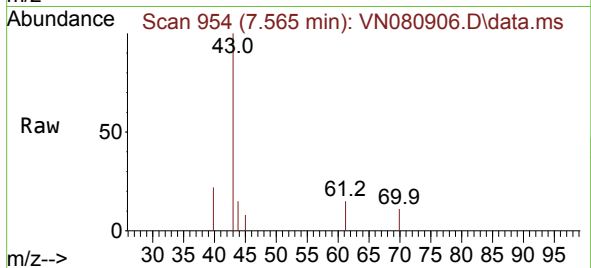
Tgt Ion: 43 Resp: 4292

Ion Ratio Lower Upper

43 100

61 9.7 10.6 15.8#

70 5.4 8.0 12.0#



#38

Carbon Tetrachloride

Concen: 5.564 ug/l

RT: 8.230 min Scan# 1067

Delta R.T. -0.135 min

Lab File: VN080906.D

Acq: 05 Feb 2024 19:02

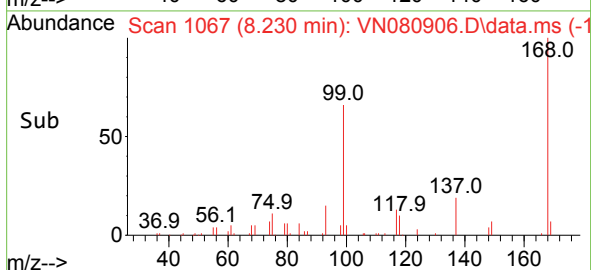
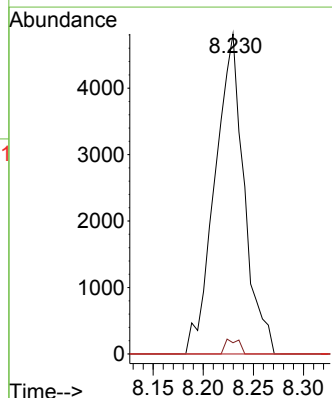
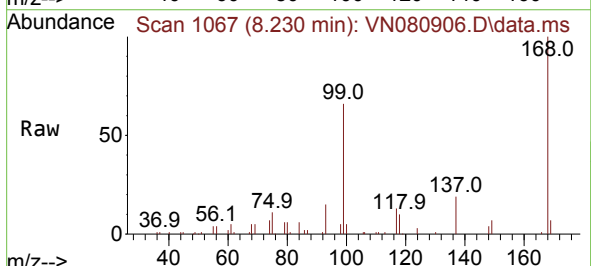
Tgt Ion: 117 Resp: 9760

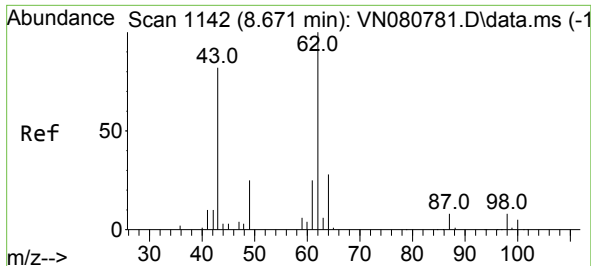
Ion Ratio Lower Upper

117 100

119 3.5 73.4 110.2#

121 0.0 24.4 36.6#





#42

1,2-Dichloroethane

Concen: 0.248 ug/l

RT: 8.683 min Scan# 1144

Delta R.T. 0.012 min

Lab File: VN080906.D

Acq: 05 Feb 2024 19:02

Instrument :

MSVOA_N

ClientSampleId :

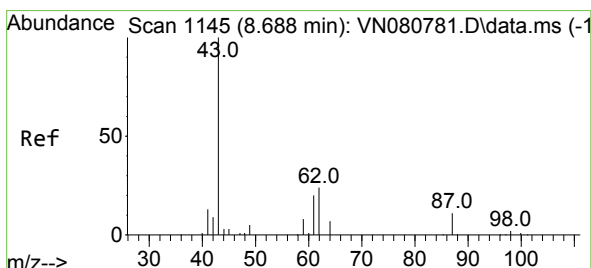
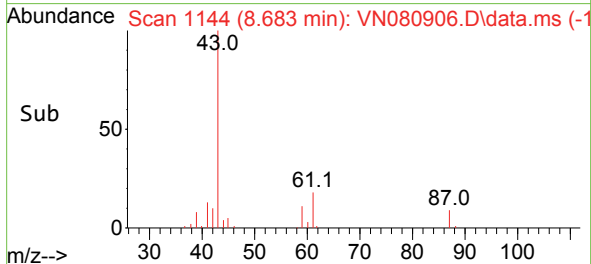
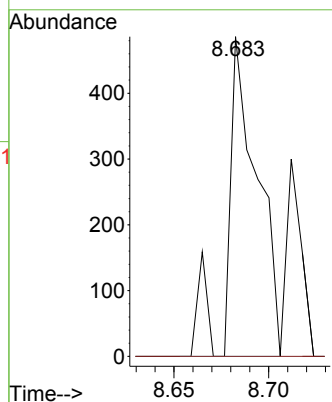
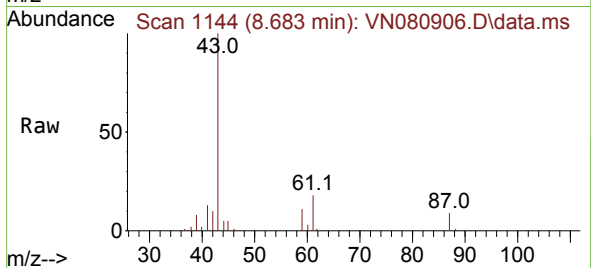
EB-2-6-8

Tgt Ion: 62 Resp: 518

Ion Ratio Lower Upper

62 100

98 0.0 0.0 18.0



#43

Isopropyl Acetate

Concen: 29.837 ug/l

RT: 8.694 min Scan# 1146

Delta R.T. 0.006 min

Lab File: VN080906.D

Acq: 05 Feb 2024 19:02

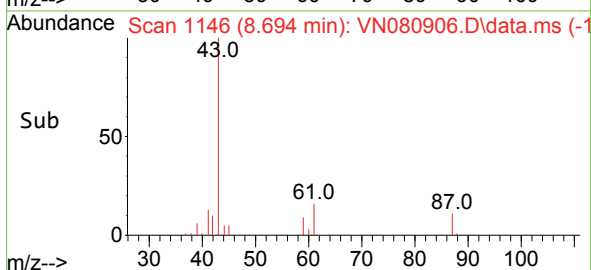
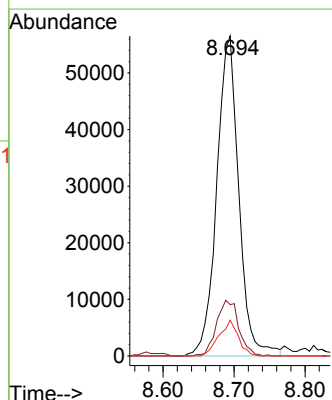
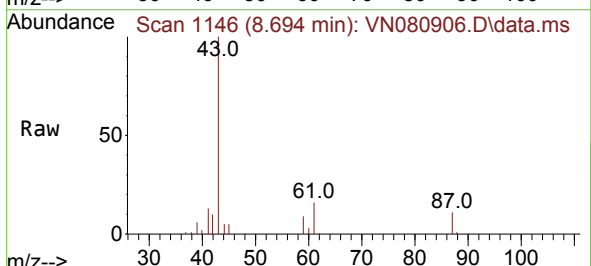
Tgt Ion: 43 Resp: 121751

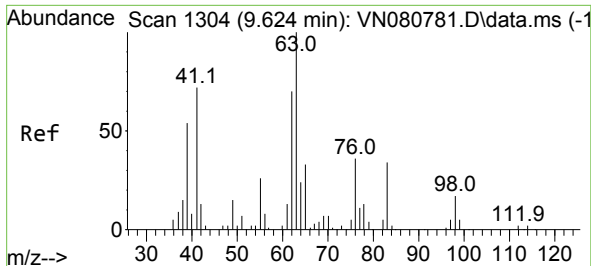
Ion Ratio Lower Upper

43 100

61 17.6 19.9 29.9#

87 9.8 9.0 13.6





#45

1,2-Dichloropropane

Concen: 0.931 ug/l

RT: 9.735 min Scan# 1311

Delta R.T. 0.112 min

Lab File: VN080906.D

Acq: 05 Feb 2024 19:02

Instrument :

MSVOA_N

ClientSampleId :

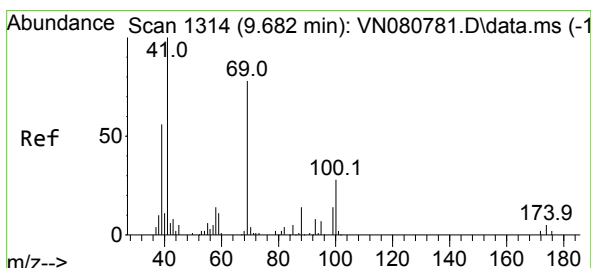
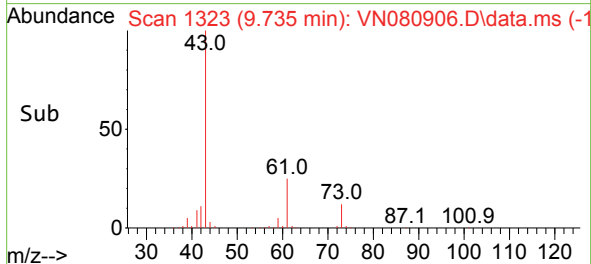
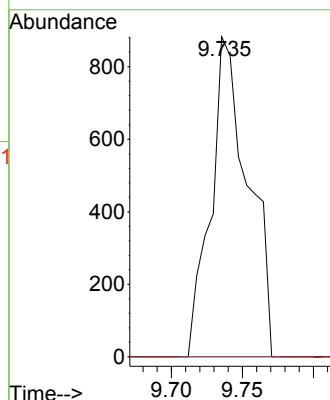
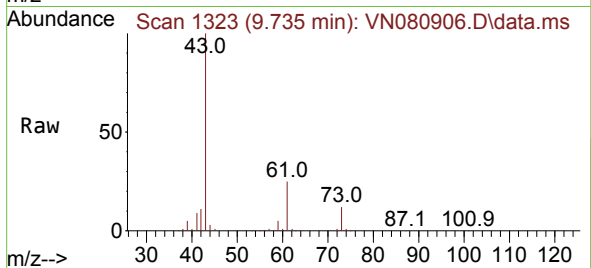
EB-2-6-8

Tgt Ion: 63 Resp: 1612

Ion Ratio Lower Upper

63 100

65 0.0 26.1 39.1#



#48

Methyl methacrylate

Concen: 1.927 ug/l

RT: 9.665 min Scan# 1311

Delta R.T. -0.018 min

Lab File: VN080906.D

Acq: 05 Feb 2024 19:02

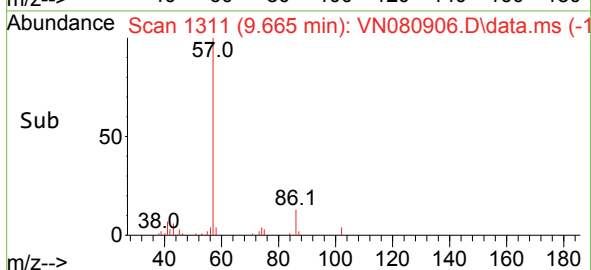
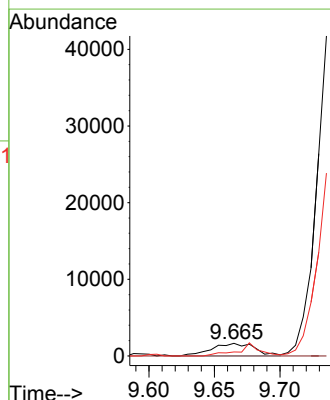
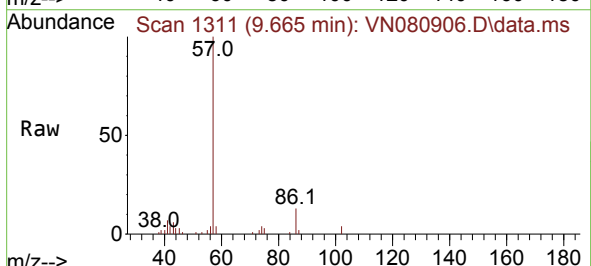
Tgt Ion: 41 Resp: 3813

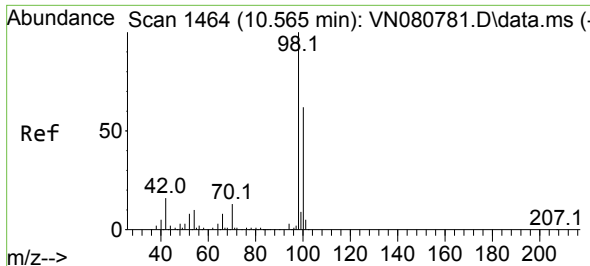
Ion Ratio Lower Upper

41 100

69 0.0 62.2 93.2#

39 50.8 47.6 71.4

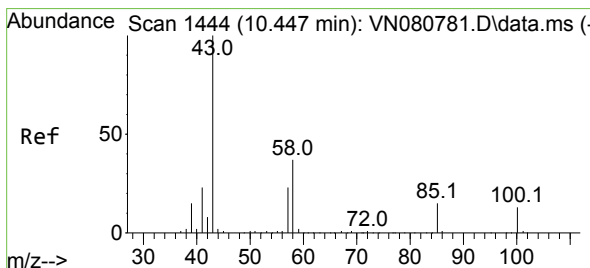
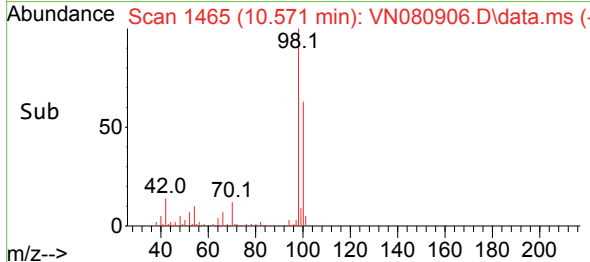
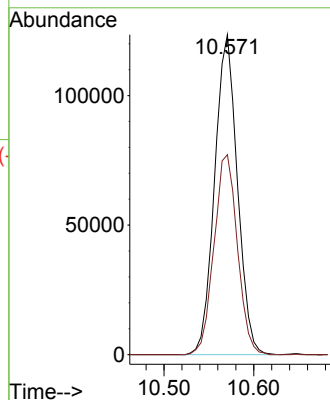
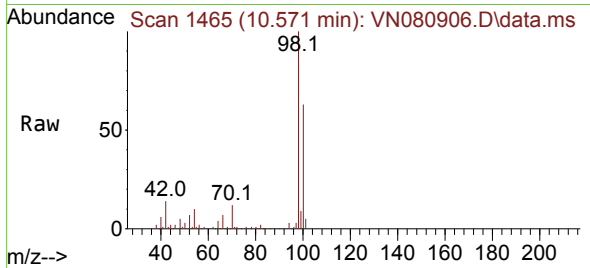




#50
Toluene-d8
Concen: 47.418 ug/l
RT: 10.571 min Scan# 1465
Delta R.T. 0.006 min
Lab File: VN080906.D
Acq: 05 Feb 2024 19:02

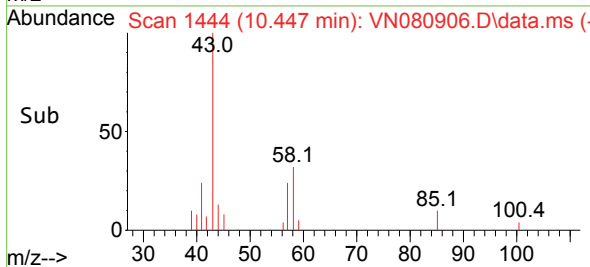
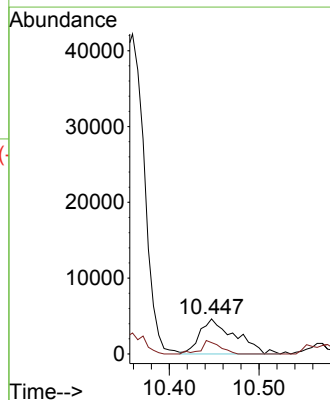
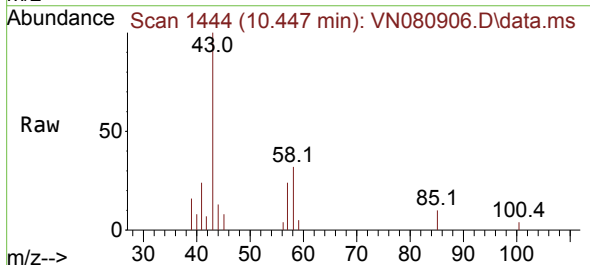
Instrument :
MSVOA_N
ClientSampleId :
EB-2-6-8

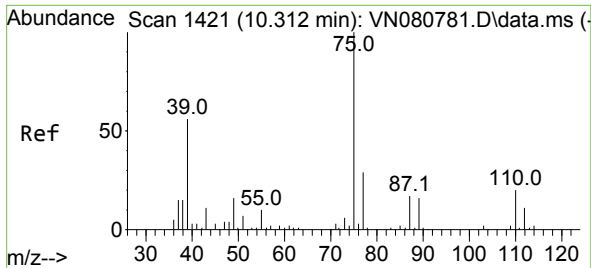
Tgt Ion: 98 Resp: 217398
Ion Ratio Lower Upper
98 100
100 64.3 51.4 77.0



#51
4-Methyl-2-Pentanone
Concen: 5.515 ug/l
RT: 10.447 min Scan# 1444
Delta R.T. 0.000 min
Lab File: VN080906.D
Acq: 05 Feb 2024 19:02

Tgt Ion: 43 Resp: 12580
Ion Ratio Lower Upper
43 100
58 20.5 29.4 44.0#

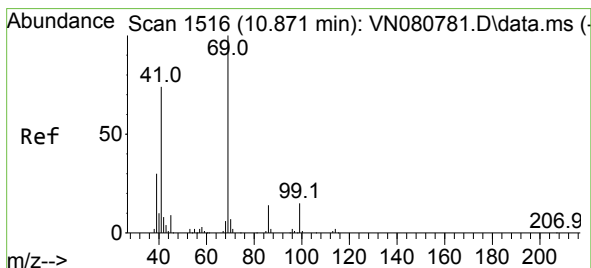
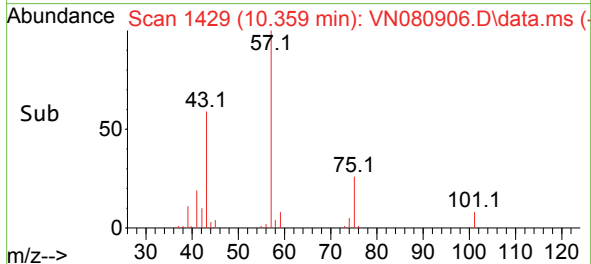
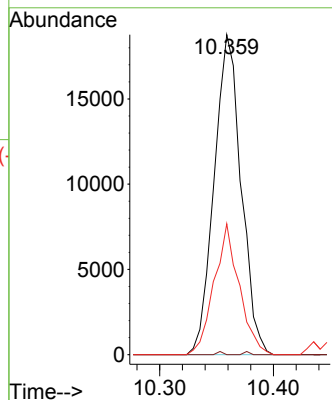
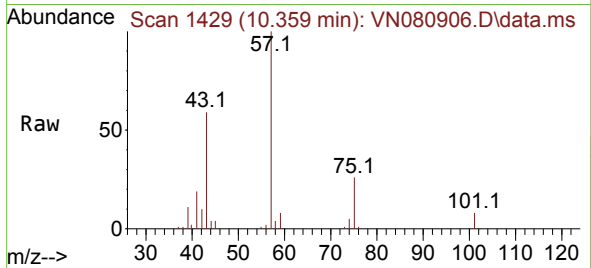




#54
 cis-1,3-Dichloropropene
 Concen: 11.733 ug/l
 RT: 10.359 min Scan# 1429
 Delta R.T. 0.047 min
 Lab File: VN080906.D
 Acq: 05 Feb 2024 19:02

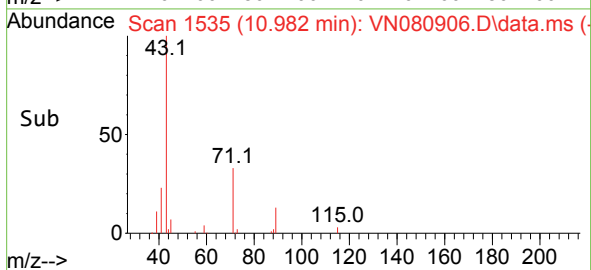
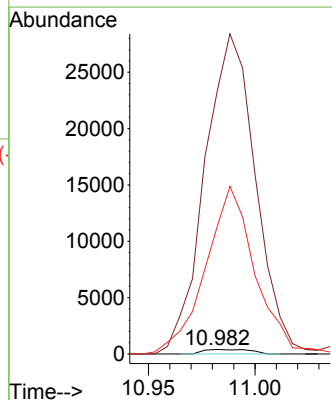
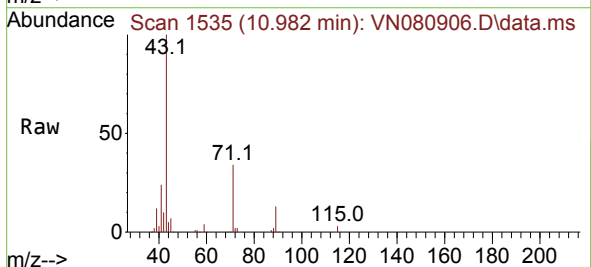
Instrument :
 MSVOA_N
 ClientSampleId :
 EB-2-6-8

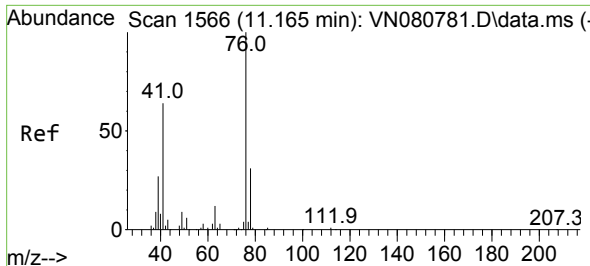
Tgt Ion: 75 Resp: 30978
 Ion Ratio Lower Upper
 75 100
 77 0.0 23.3 34.9#
 39 40.9 44.6 66.8#



#56
 Ethyl methacrylate
 Concen: 0.282 ug/l
 RT: 10.982 min Scan# 1535
 Delta R.T. 0.111 min
 Lab File: VN080906.D
 Acq: 05 Feb 2024 19:02

Tgt Ion: 69 Resp: 612
 Ion Ratio Lower Upper
 69 100
 41 7780.7 61.0 91.6#
 39 3955.6 31.8 47.6#

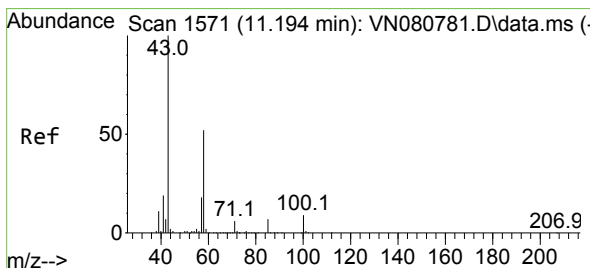
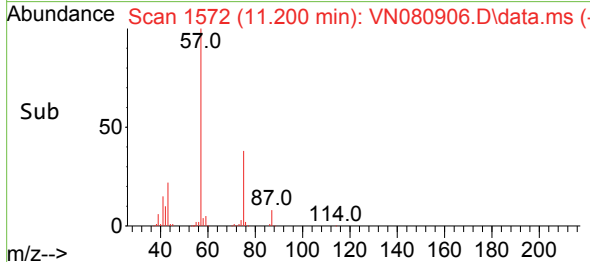
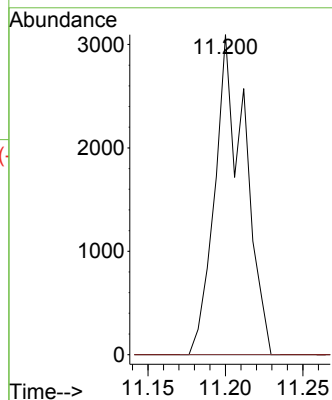
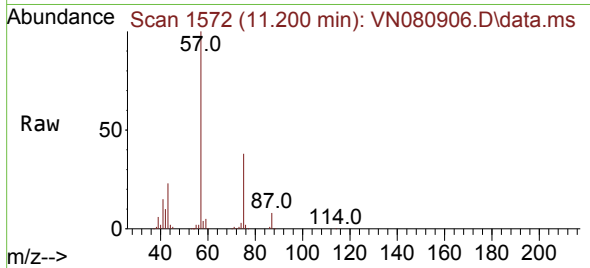




#57
1,3-Dichloropropane
Concen: 1.572 ug/l
RT: 11.200 min Scan# 1572
Delta R.T. 0.035 min
Lab File: VN080906.D
Acq: 05 Feb 2024 19:02

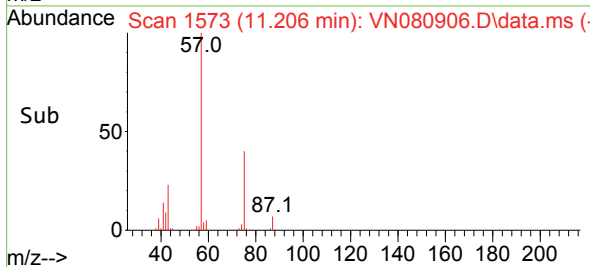
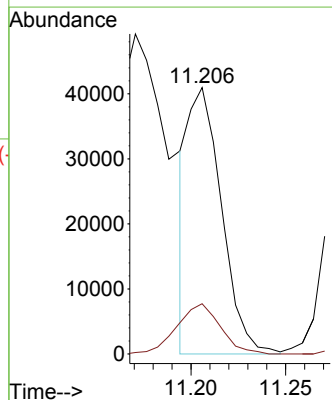
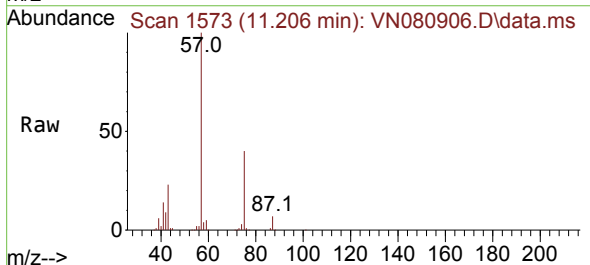
Instrument :
MSVOA_N
ClientSampleId :
EB-2-6-8

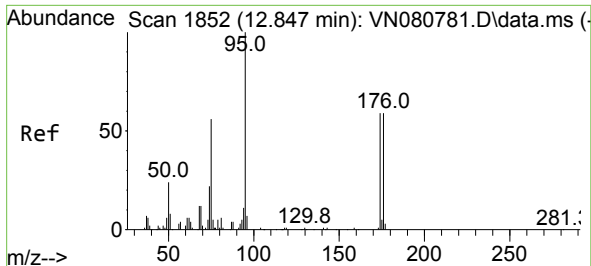
Tgt Ion: 76 Resp: 4172
Ion Ratio Lower Upper
76 100
78 0.0 25.5 38.3#



#59
2-Hexanone
Concen: 28.575 ug/l
RT: 11.206 min Scan# 1573
Delta R.T. 0.012 min
Lab File: VN080906.D
Acq: 05 Feb 2024 19:02

Tgt Ion: 43 Resp: 50633
Ion Ratio Lower Upper
43 100
58 24.4 25.9 77.8#

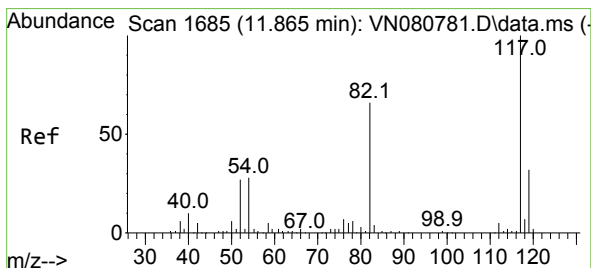
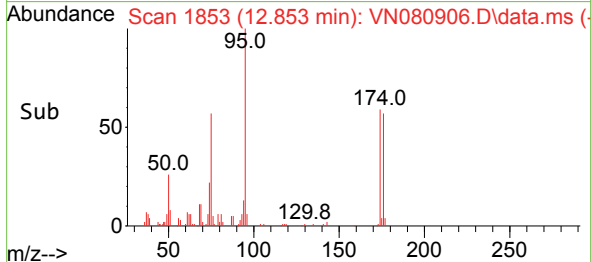
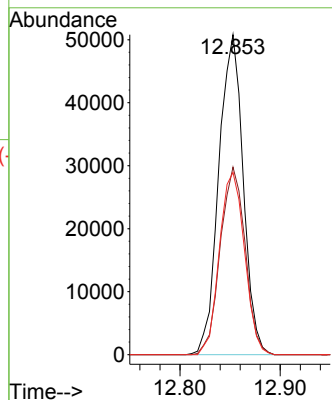
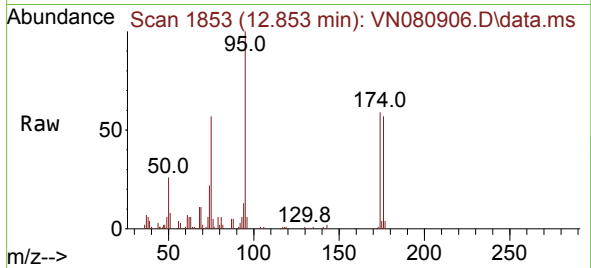




#62
4-Bromofluorobenzene
Concen: 53.700 ug/l
RT: 12.853 min Scan# 1853
Delta R.T. 0.006 min
Lab File: VN080906.D
Acq: 05 Feb 2024 19:02

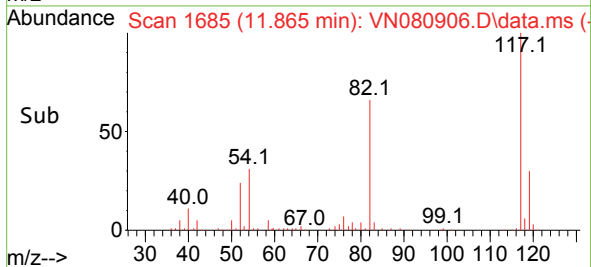
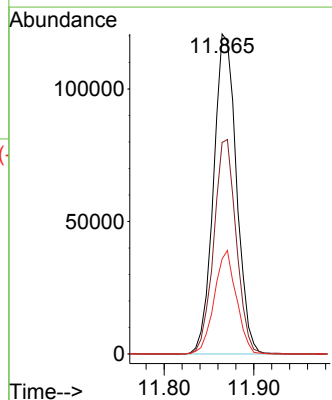
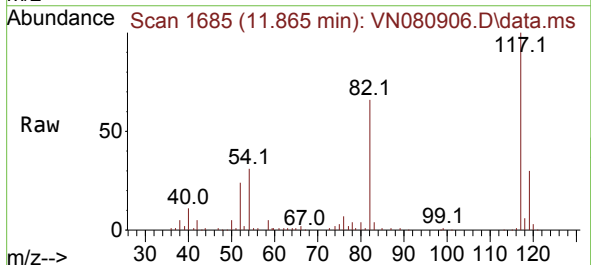
Instrument :
MSVOA_N
ClientSampleId :
EB-2-6-8

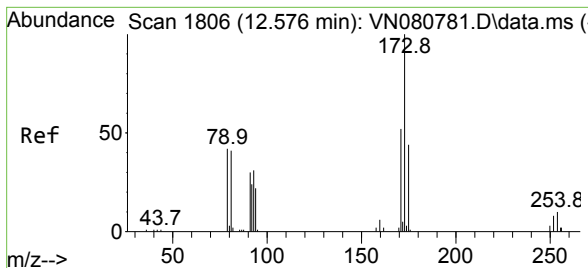
Tgt Ion: 95 Resp: 85794
Ion Ratio Lower Upper
95 100
174 59.7 0.0 120.4
176 58.7 0.0 121.0



#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.865 min Scan# 1685
Delta R.T. 0.000 min
Lab File: VN080906.D
Acq: 05 Feb 2024 19:02

Tgt Ion: 117 Resp: 214097
Ion Ratio Lower Upper
117 100
82 66.1 52.7 79.1
119 29.7 25.3 37.9





#71

Bromoform

Concen: 0.240 ug/l

RT: 12.847 min Scan# 1806

Delta R.T. 0.271 min

Lab File: VN080906.D

Acq: 05 Feb 2024 19:02

Instrument :

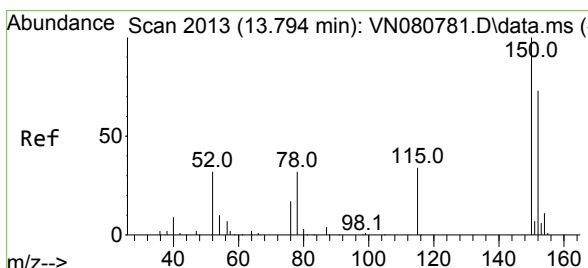
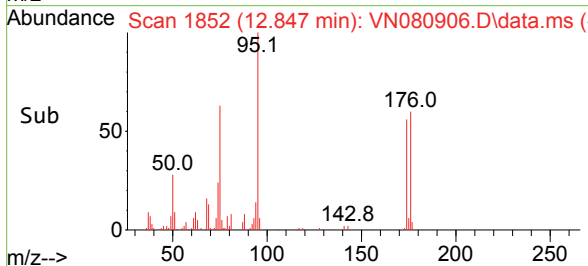
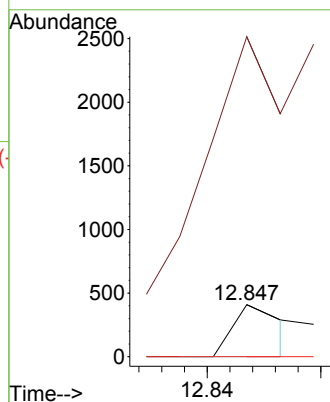
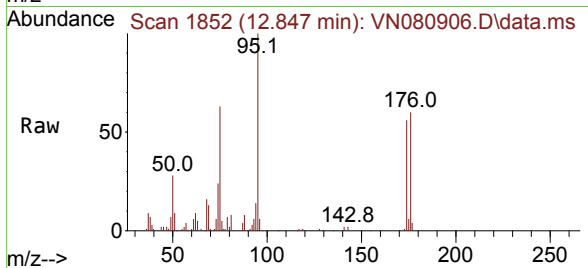
MSVOA_N

ClientSampleId :

EB-2-6-8

Tgt Ion:173 Resp: 247

Ion	Ratio	Lower	Upper
173	100		
175	1082.2	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

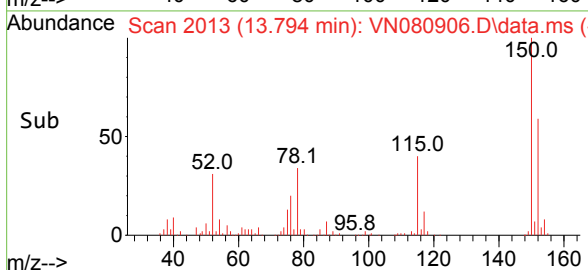
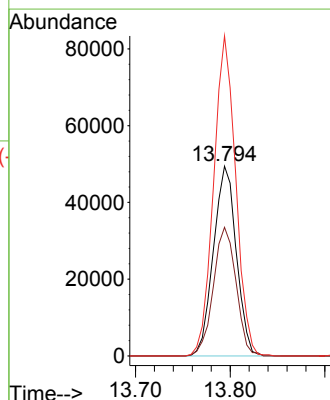
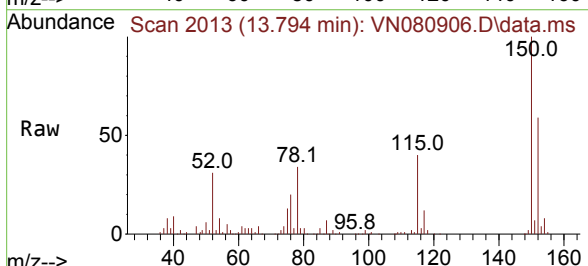
Delta R.T. 0.000 min

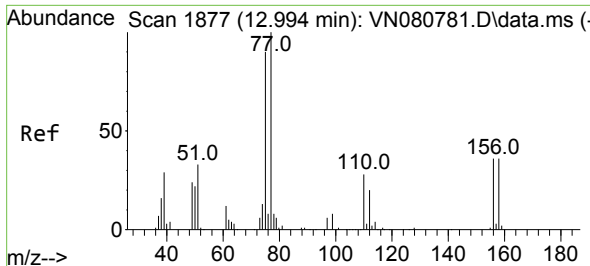
Lab File: VN080906.D

Acq: 05 Feb 2024 19:02

Tgt Ion:152 Resp: 83046

Ion	Ratio	Lower	Upper
152	100		
115	67.2	32.3	96.8
150	162.5	0.0	339.8

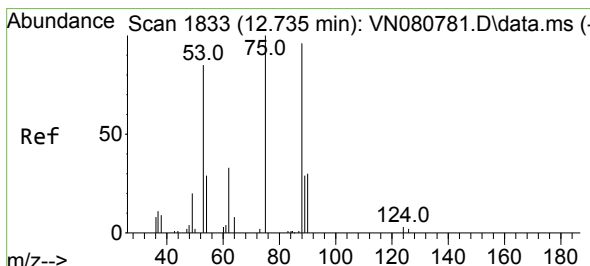
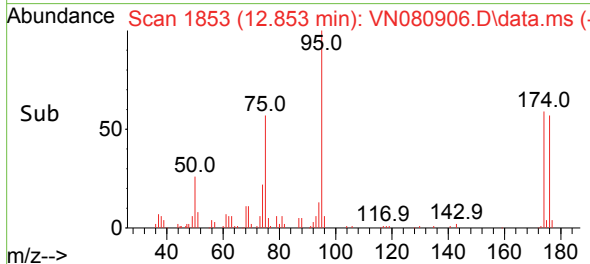
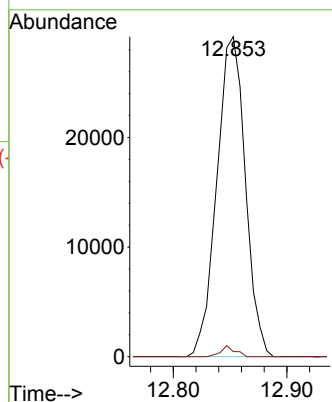
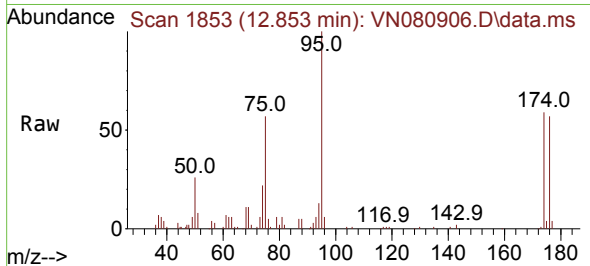




#76
1,2,3-Trichloropropane
Concen: 20.354 ug/l
RT: 12.853 min Scan# 1853
Delta R.T. -0.141 min
Lab File: VN080906.D
Acq: 05 Feb 2024 19:02

Instrument :
MSVOA_N
ClientSampleId :
EB-2-6-8

Tgt Ion: 75 Resp: 50979
Ion Ratio Lower Upper
75 100
77 1.7 91.0 272.8#



#81
trans-1,4-Dichloro-2-butene
Concen: 52.434 ug/l
RT: 12.853 min Scan# 1853
Delta R.T. 0.118 min
Lab File: VN080906.D
Acq: 05 Feb 2024 19:02

Tgt Ion: 75 Resp: 50979
Ion Ratio Lower Upper
75 100
53 0.0 71.4 107.2#
89 0.0 33.4 50.0#

