

Data Path : Z:\voasrv\HPCHEM1\MSVOA_N\Data\VN013124\
 Data File : VN080844.D
 Acq On : 31 Jan 2024 16:44
 Operator : JC\MD
 Sample : P1276-06
 Misc : 5.0mL/MSVOA_N/WATER
 ALS Vial : 16 Sample Multiplier: 1

Instrument :
 MSVOA_N
 ClientSampleId :
 TP-38

Quant Time: Jan 31 23:19:16 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)

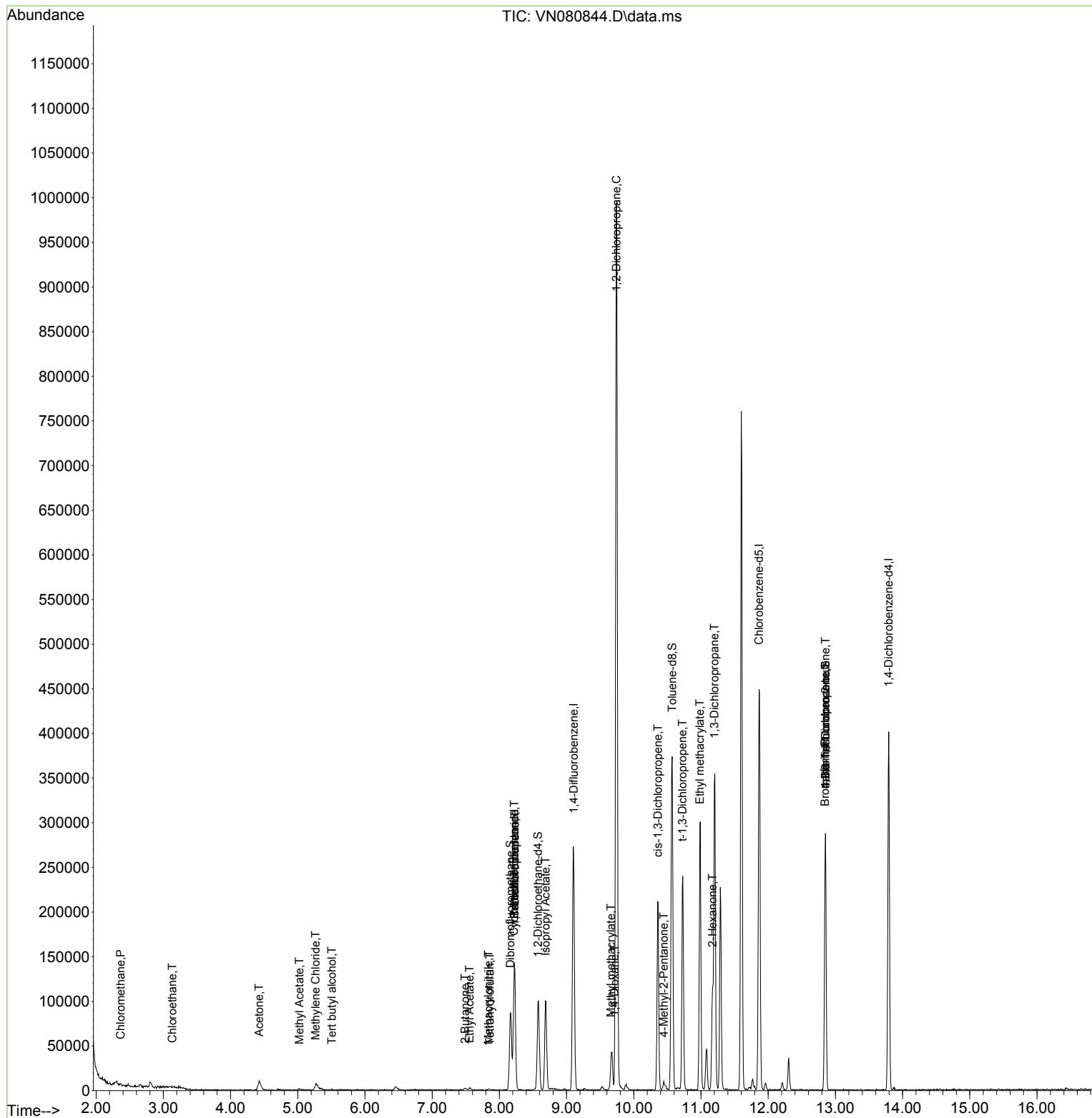
Internal Standards						
1) Pentafluorobenzene	8.224	168	88467	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	9.106	114	212161	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.865	117	229693	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.794	152	87010	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.577	65	75524	49.347	ug/l	0.00
Spiked Amount 50.000	Range 74 - 125		Recovery =	98.700%		
35) Dibromofluoromethane	8.165	113	59770	46.047	ug/l	0.00
Spiked Amount 50.000	Range 75 - 124		Recovery =	92.100%		
50) Toluene-d8	10.571	98	253137	49.827	ug/l	0.00
Spiked Amount 50.000	Range 86 - 113		Recovery =	99.660%		
62) 4-Bromofluorobenzene	12.853	95	98376	55.568	ug/l	0.00
Spiked Amount 50.000	Range 83 - 123		Recovery =	111.140%		
Target Compounds						
					Qvalue	
3) Chloromethane	2.365	50	1646	0.833	ug/l #	71
6) Chloroethane	3.136	64	360	0.450	ug/l #	42
11) Tert butyl alcohol	5.506	59	140	0.561	ug/l #	72
16) Acetone	4.424	43	18500	33.330	ug/l #	79
18) Methyl Acetate	5.024	43	1160	0.600	ug/l #	54
20) Methylene Chloride	5.265	84	2496	1.713	ug/l #	77
25) 2-Butanone	7.488	43	3677	3.488	ug/l #	71
29) Tetrahydrofuran	7.859	42	836	1.172	ug/l #	69
31) Cyclohexane	8.218	56	3476	1.324	ug/l #	26
36) 1,1-Dichloropropene	8.230	75	10003	4.146	ug/l #	51
37) Ethyl Acetate	7.559	43	3744	1.508	ug/l #	81
38) Carbon Tetrachloride	8.224	117	11057	5.688	ug/l #	18
41) Methacrylonitrile	7.835	41	474	0.324	ug/l #	44
43) Isopropyl Acetate	8.688	43	116288	25.718	ug/l #	90
45) 1,2-Dichloropropane	9.741	63	1186	0.618	ug/l #	42
48) Methyl methacrylate	9.659	41	3516	1.604	ug/l #	43
49) 1,4-Dioxane	9.712	88	55	2.083	ug/l #	18
51) 4-Methyl-2-Pentanone	10.447	43	10146	4.014	ug/l #	73
53) t-1,3-Dichloropropene	10.724	75	712	0.265	ug/l #	45
54) cis-1,3-Dichloropropene	10.359	75	34679	11.853	ug/l #	73
56) Ethyl methacrylate	10.982	69	746	0.311	ug/l #	1
57) 1,3-Dichloropropane	11.200	76	3488	1.186	ug/l #	43
59) 2-Hexanone	11.171	43	104065	53.001	ug/l #	26
71) Bromoform	12.847	173	314	0.285	ug/l #	30
76) 1,2,3-Trichloropropane	12.853	75	56518	21.537	ug/l #	1
81) trans-1,4-Dichloro-2-b...	12.853	75	56518	55.483	ug/l #	14

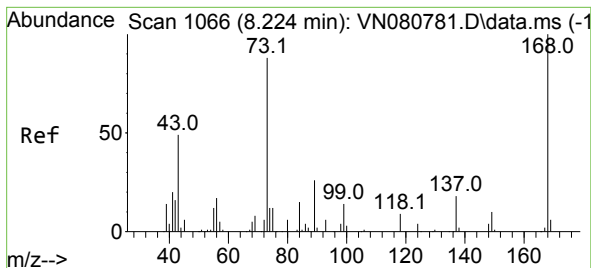
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Data Path : Z:\voasrv\HPCHEM1\MSVOA_N\Data\VN013124\
Data File : VN080844.D
Acq On : 31 Jan 2024 16:44
Operator : JC\MD
Sample : P1276-06
Misc : 5.0mL/MSVOA_N/WATER
ALS Vial : 16 Sample Multiplier: 1

Instrument :
MSVOA_N
ClientSampleId :
TP-38

Quant Time: Jan 31 23:19:16 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





#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 8.224 min Scan# 1

Delta R.T. -0.000 min

Lab File: VN080844.D

Acq: 31 Jan 2024 16:44

Instrument :

MSVOA_N

ClientSampleId :

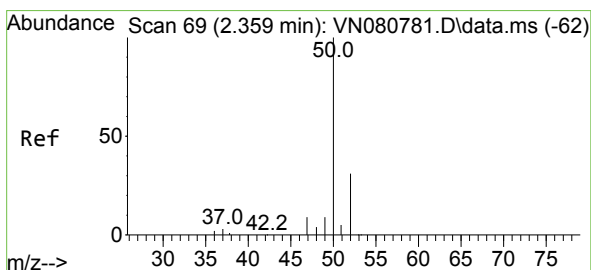
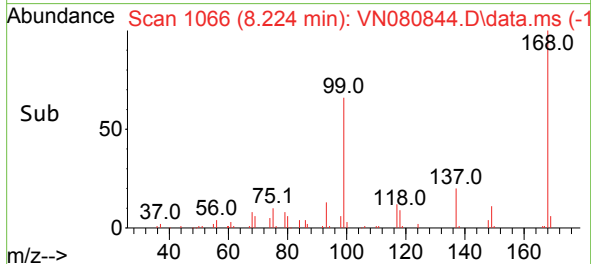
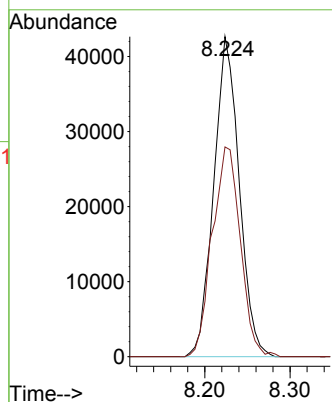
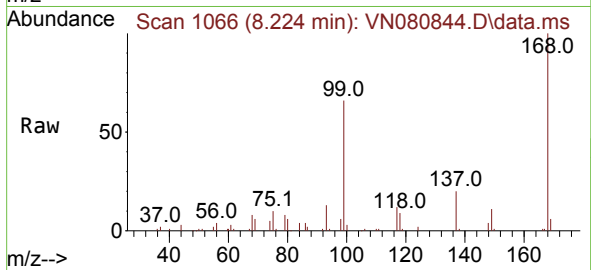
TP-38

Tgt Ion:168 Resp: 88467

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: VN080844.D

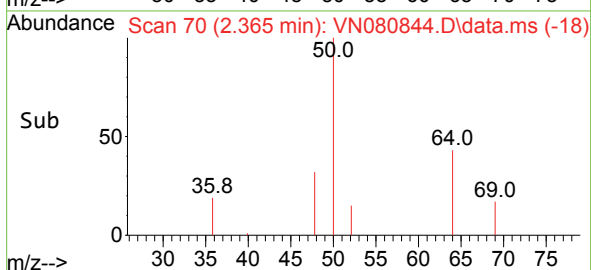
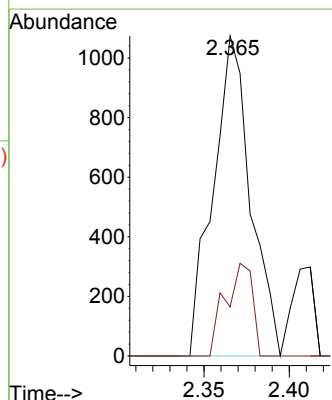
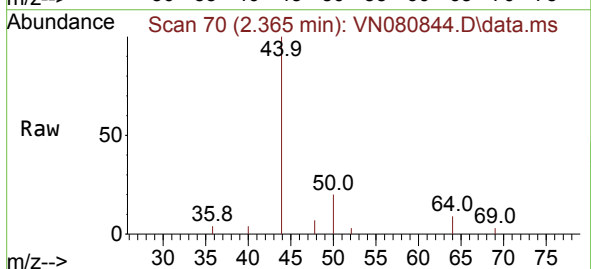
Acq: 31 Jan 2024 16:44

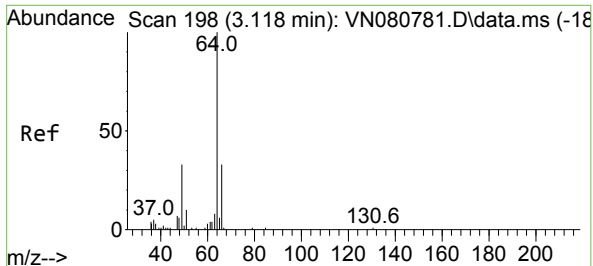
Tgt Ion: 50 Resp: 1646

Ion Ratio Lower Upper

50 100

52 15.4 25.0 37.4#





#6

Chloroethane

Concen: 0.450 ug/l

RT: 3.136 min Scan# 201

Delta R.T. 0.018 min

Lab File: VN080844.D

Acq: 31 Jan 2024 16:44

Instrument :

MSVOA_N

ClientSampleId :

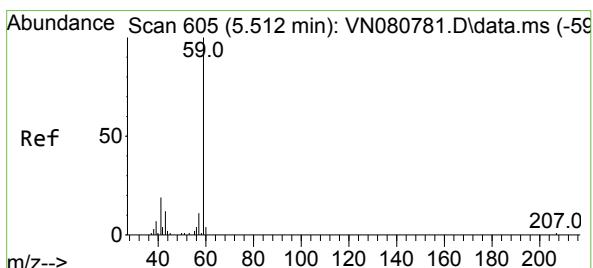
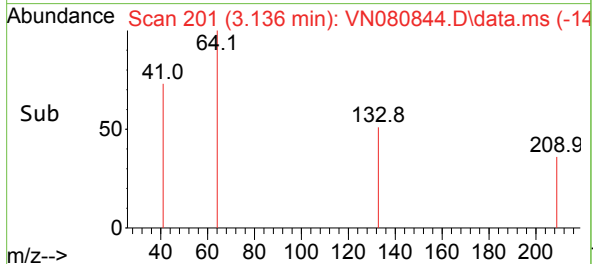
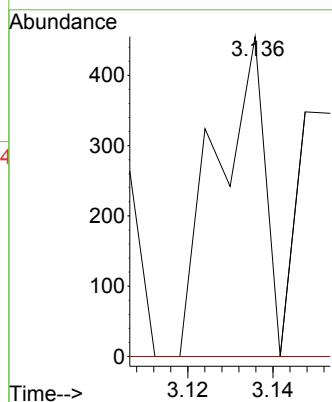
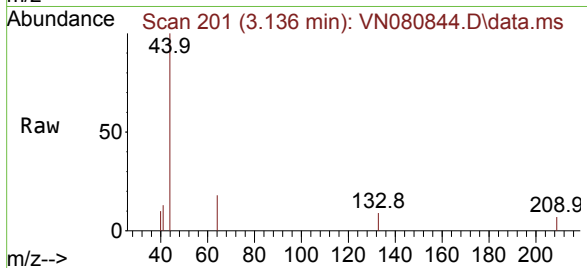
TP-38

Tgt Ion: 64 Resp: 360

Ion Ratio Lower Upper

64 100

66 0.0 26.4 39.6#



#11

Tert butyl alcohol

Concen: 0.561 ug/l

RT: 5.506 min Scan# 604

Delta R.T. -0.006 min

Lab File: VN080844.D

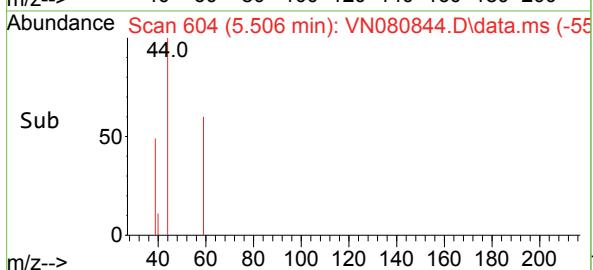
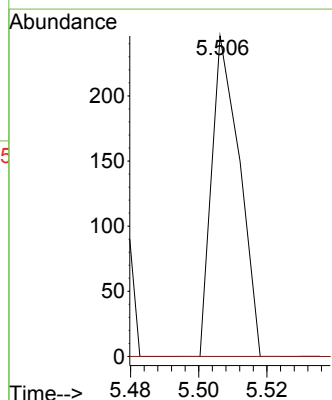
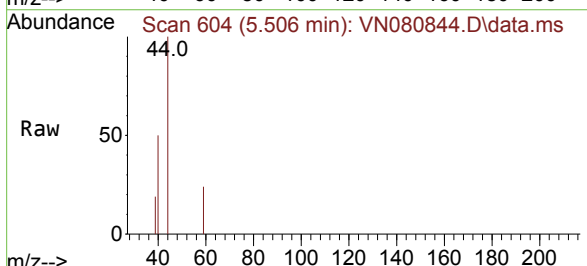
Acq: 31 Jan 2024 16:44

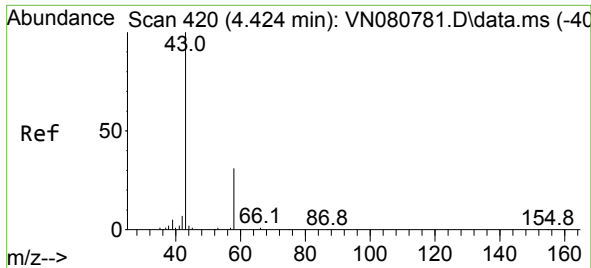
Tgt Ion: 59 Resp: 140

Ion Ratio Lower Upper

59 100

57 0.0 8.6 12.8#

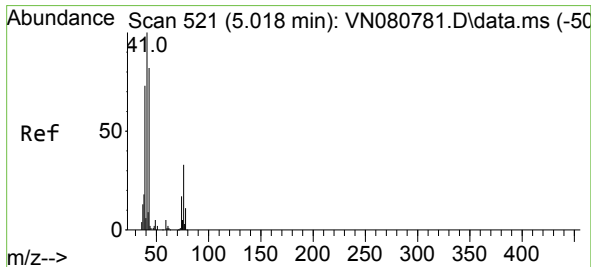
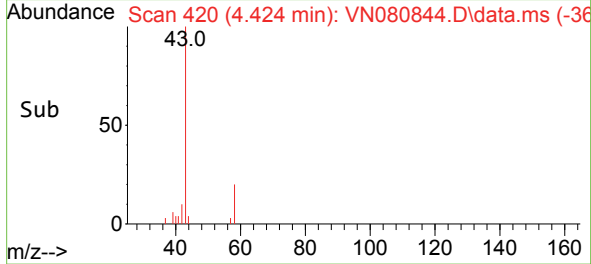
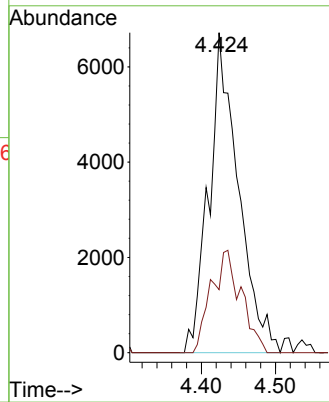
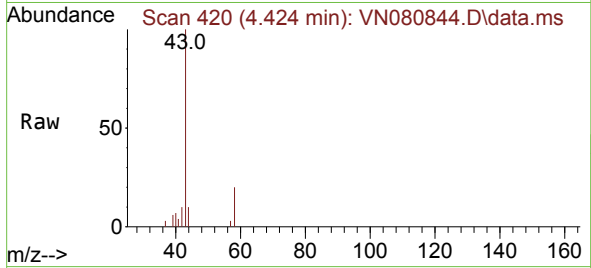




#16
Acetone
Concen: 33.330 ug/l
RT: 4.424 min Scan# 41
Delta R.T. 0.000 min
Lab File: VN080844.D
Acq: 31 Jan 2024 16:44

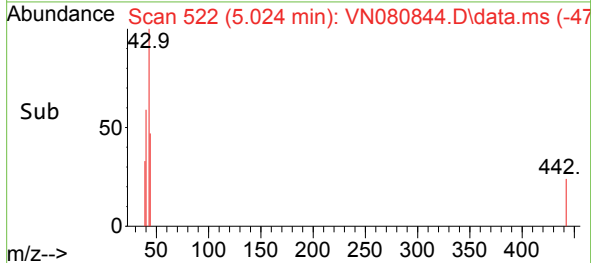
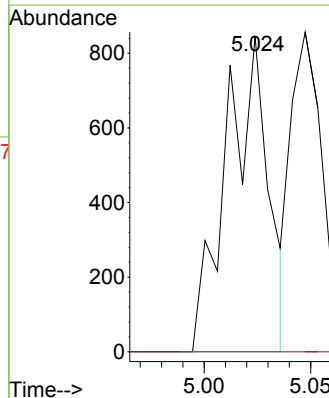
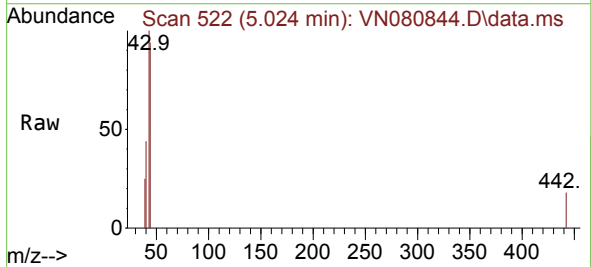
Instrument :
MSVOA_N
ClientSampleId :
TP-38

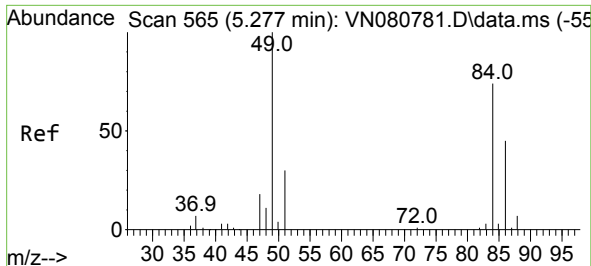
Tgt Ion: 43 Resp: 18500
Ion Ratio Lower Upper
43 100
58 19.7 24.8 37.2#



#18
Methyl Acetate
Concen: 0.600 ug/l
RT: 5.024 min Scan# 522
Delta R.T. 0.006 min
Lab File: VN080844.D
Acq: 31 Jan 2024 16:44

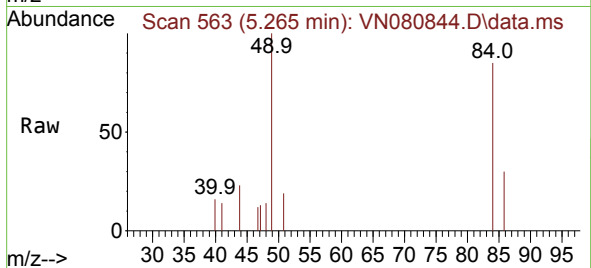
Tgt Ion: 43 Resp: 1160
Ion Ratio Lower Upper
43 100
74 0.0 17.3 25.9#



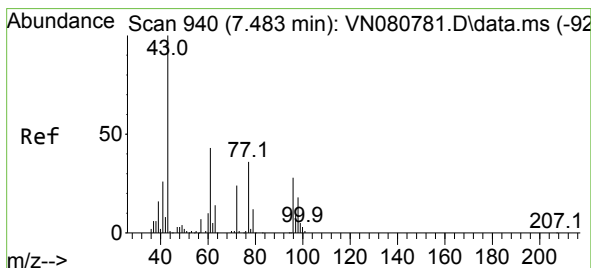
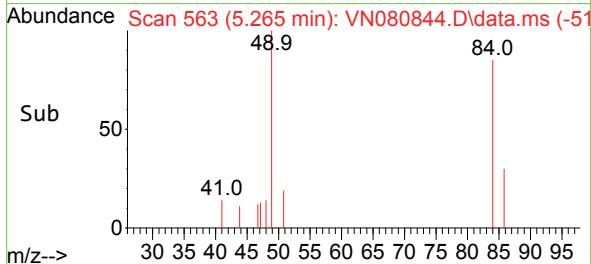
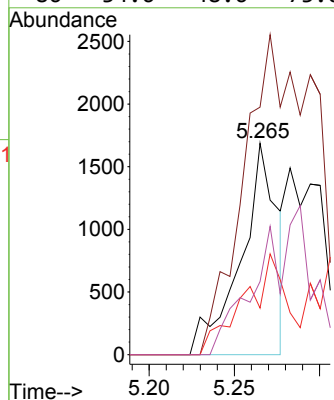


#20
Methylene Chloride
Concen: 1.713 ug/l
RT: 5.265 min Scan# 51
Delta R.T. -0.012 min
Lab File: VN080844.D
Acq: 31 Jan 2024 16:44

Instrument :
MSVOA_N
ClientSampleId :
TP-38

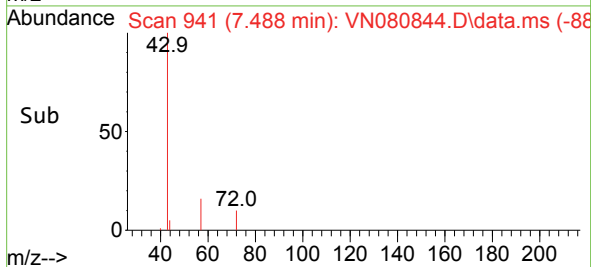
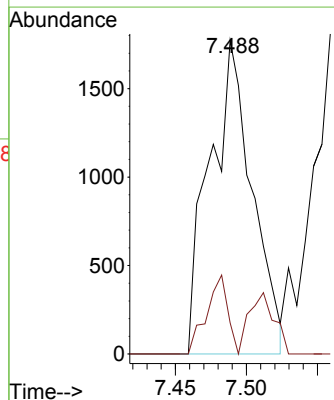
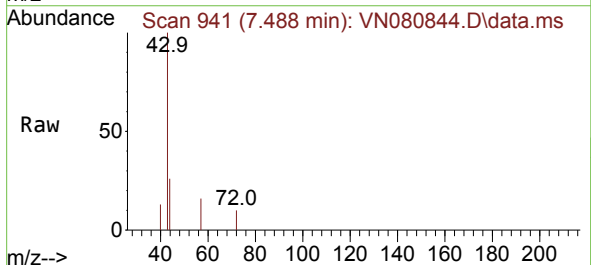


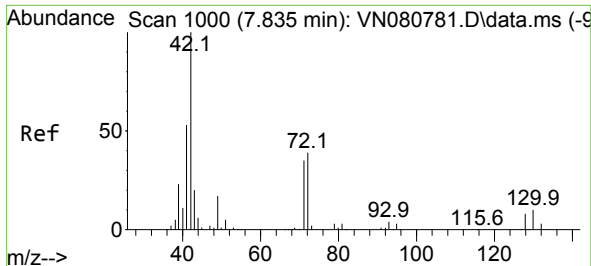
Tgt Ion: 84 Resp: 2496
Ion Ratio Lower Upper
84 100
49 117.1 108.1 162.1
51 22.0 32.9 49.3#
86 34.6 48.6 73.0#



#25
2-Butanone
Concen: 3.488 ug/l
RT: 7.488 min Scan# 941
Delta R.T. 0.006 min
Lab File: VN080844.D
Acq: 31 Jan 2024 16:44

Tgt Ion: 43 Resp: 3677
Ion Ratio Lower Upper
43 100
72 10.0 19.5 29.3#





#29

Tetrahydrofuran

Concen: 1.172 ug/l

RT: 7.859 min Scan# 1004

Delta R.T. 0.024 min

Lab File: VN080844.D

Acq: 31 Jan 2024 16:44

Instrument :

MSVOA_N

ClientSampleId :

TP-38

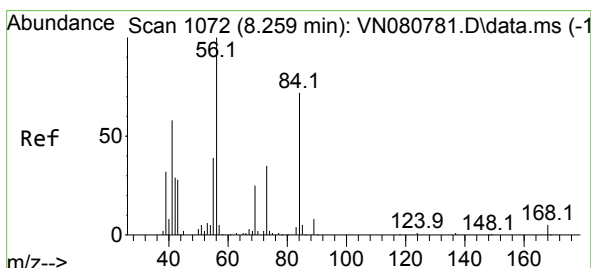
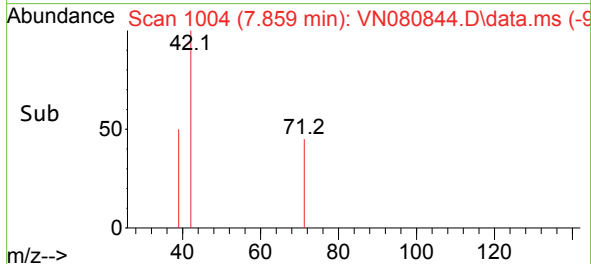
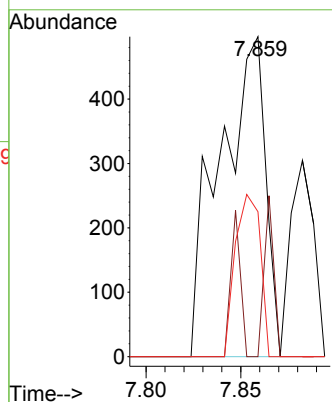
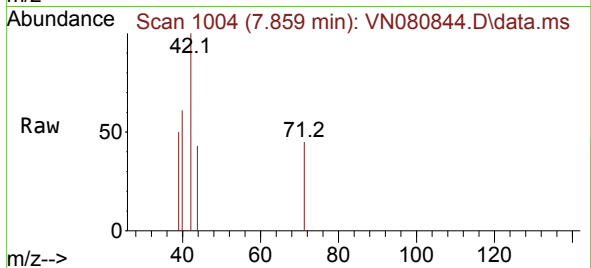
Tgt Ion: 42 Resp: 836

Ion Ratio Lower Upper

42 100

72 10.5 31.1 46.7#

71 27.8 28.3 42.5#



#31

Cyclohexane

Concen: 1.324 ug/l

RT: 8.218 min Scan# 1065

Delta R.T. -0.041 min

Lab File: VN080844.D

Acq: 31 Jan 2024 16:44

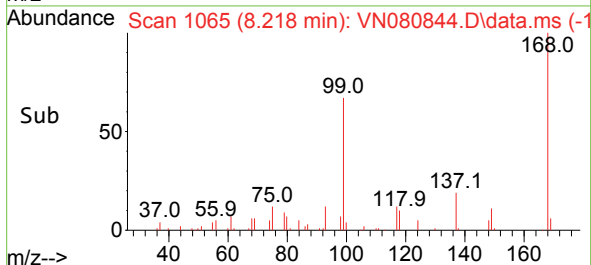
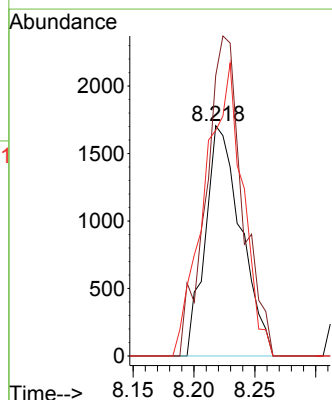
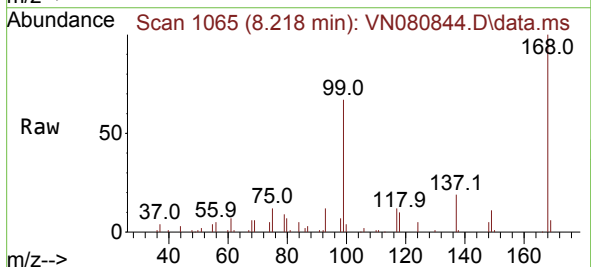
Tgt Ion: 56 Resp: 3476

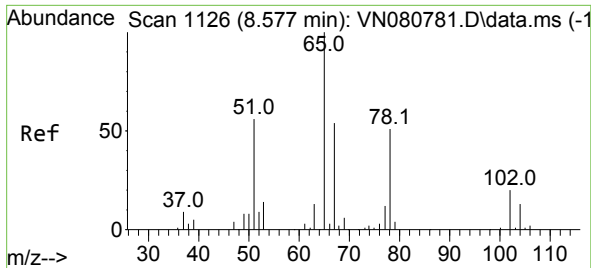
Ion Ratio Lower Upper

56 100

69 121.8 20.1 30.1#

84 98.0 56.9 85.3#





#33

1,2-Dichloroethane-d4

Concen: 49.347 ug/l

RT: 8.577 min Scan# 1126

Delta R.T. 0.000 min

Lab File: VN080844.D

Acq: 31 Jan 2024 16:44

Instrument :

MSVOA_N

ClientSampleId :

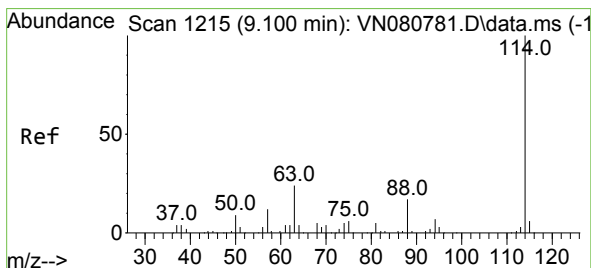
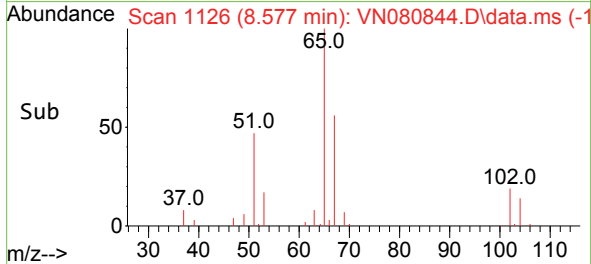
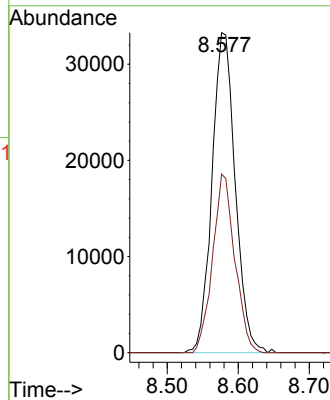
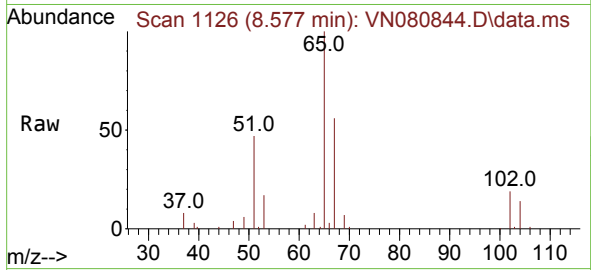
TP-38

Tgt Ion: 65 Resp: 75524

Ion Ratio Lower Upper

65 100

67 53.4 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: VN080844.D

Acq: 31 Jan 2024 16:44

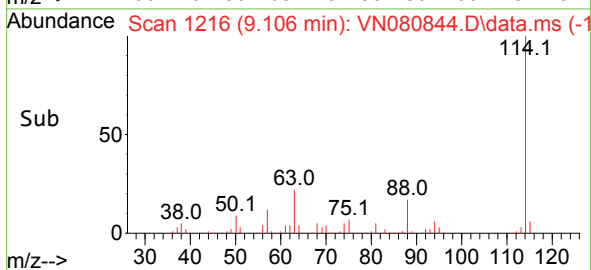
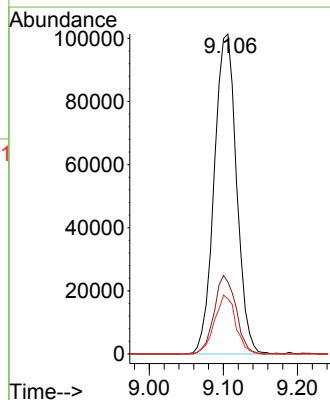
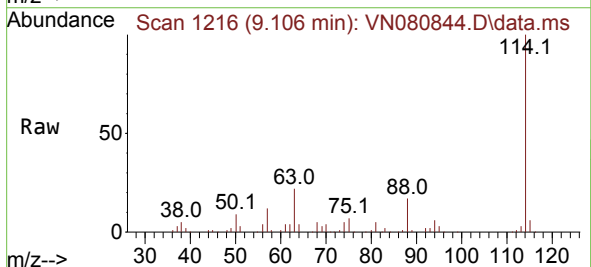
Tgt Ion: 114 Resp: 212161

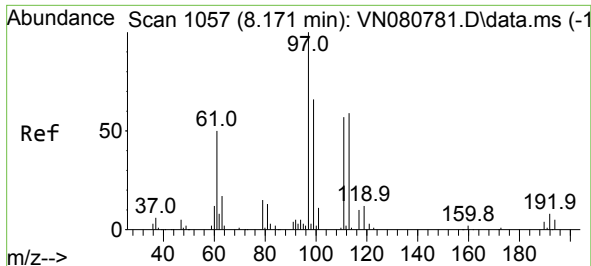
Ion Ratio Lower Upper

114 100

63 22.4 0.0 48.0

88 17.2 0.0 34.8

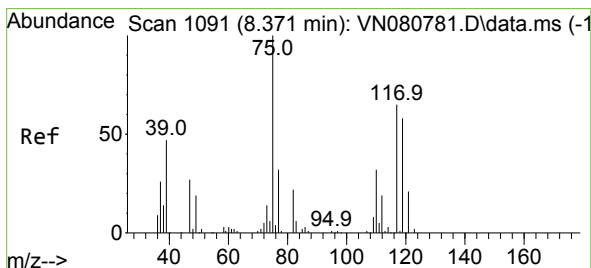
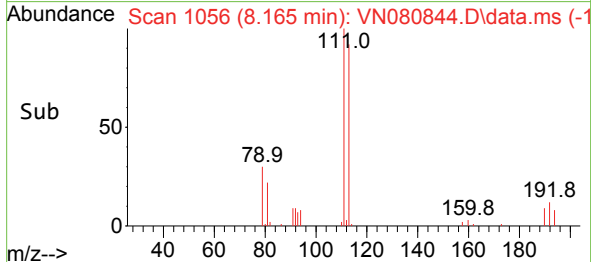
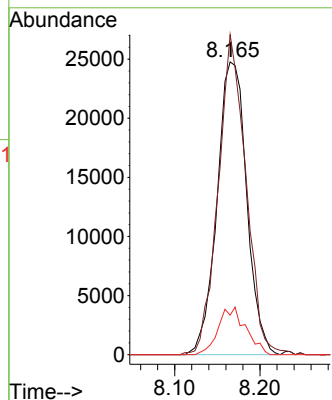
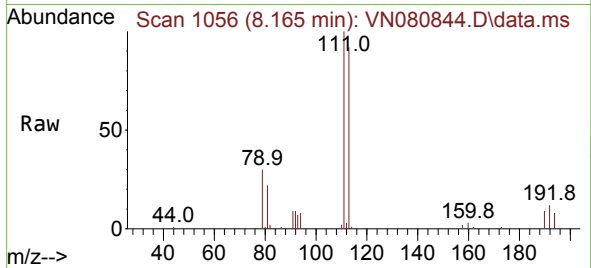




#35
Dibromofluoromethane
Concen: 46.047 ug/l
RT: 8.165 min Scan# 1056
Delta R.T. -0.006 min
Lab File: VN080844.D
Acq: 31 Jan 2024 16:44

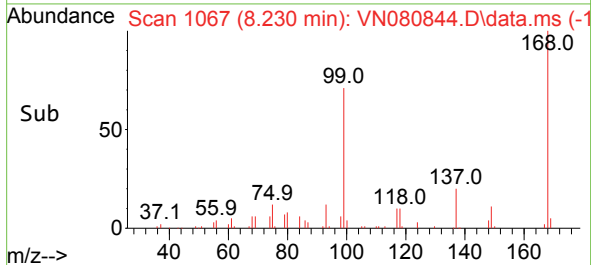
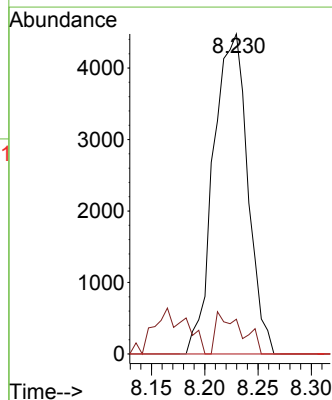
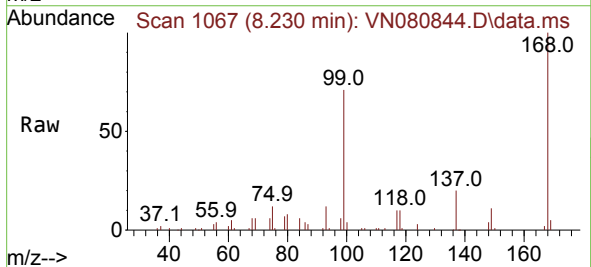
Instrument :
MSVOA_N
ClientSampleId :
TP-38

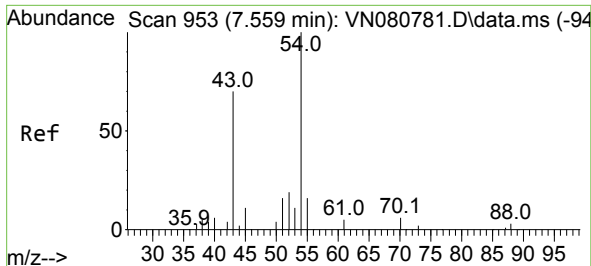
Tgt Ion:113 Resp: 59770
Ion Ratio Lower Upper
113 100
111 102.2 82.2 123.4
192 15.1 12.5 18.7



#36
1,1-Dichloropropene
Concen: 4.146 ug/l
RT: 8.230 min Scan# 1067
Delta R.T. -0.141 min
Lab File: VN080844.D
Acq: 31 Jan 2024 16:44

Tgt Ion: 75 Resp: 10003
Ion Ratio Lower Upper
75 100
110 9.9 16.0 48.0#
77 0.0 25.8 38.6#

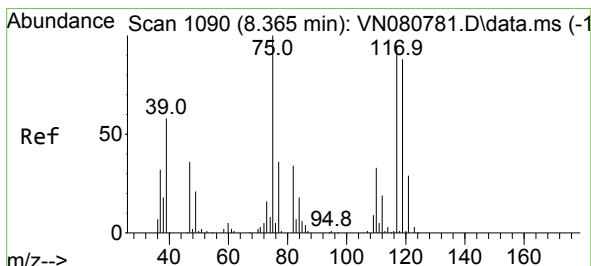
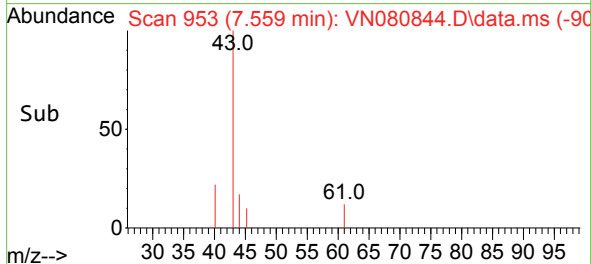
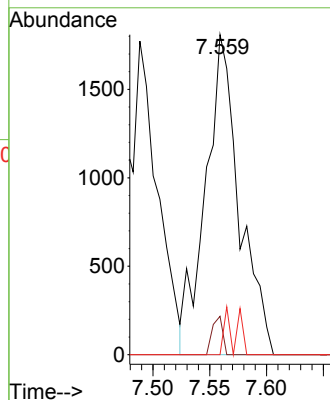
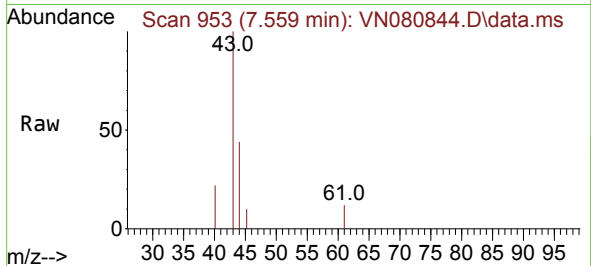




#37
Ethyl Acetate
Concen: 1.508 ug/l
RT: 7.559 min Scan# 91
Delta R.T. 0.000 min
Lab File: VN080844.D
Acq: 31 Jan 2024 16:44

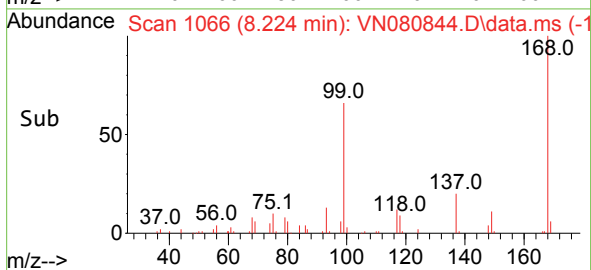
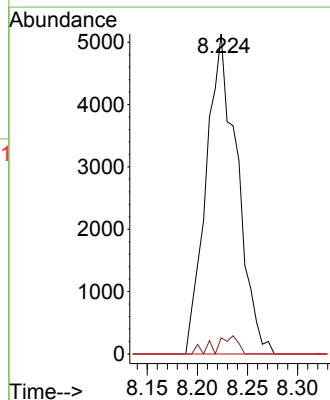
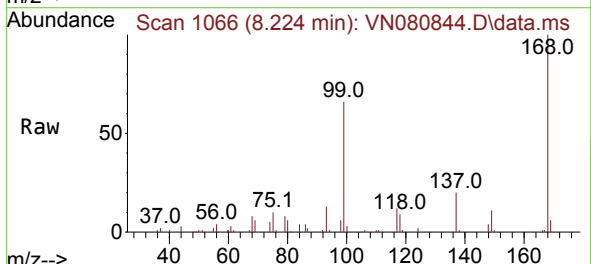
Instrument :
MSVOA_N
ClientSampleId :
TP-38

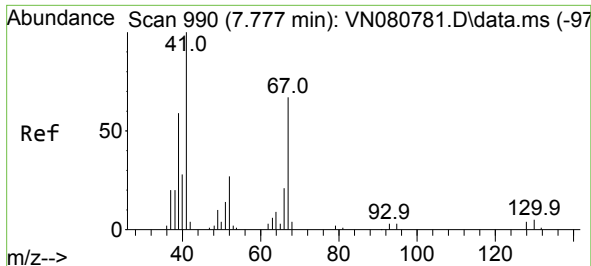
Tgt Ion: 43 Resp: 3744
Ion Ratio Lower Upper
43 100
61 3.7 10.6 15.8#
70 5.0 8.0 12.0#



#38
Carbon Tetrachloride
Concen: 5.688 ug/l
RT: 8.224 min Scan# 1066
Delta R.T. -0.141 min
Lab File: VN080844.D
Acq: 31 Jan 2024 16:44

Tgt Ion: 117 Resp: 11057
Ion Ratio Lower Upper
117 100
119 5.0 73.4 110.2#
121 0.0 24.4 36.6#

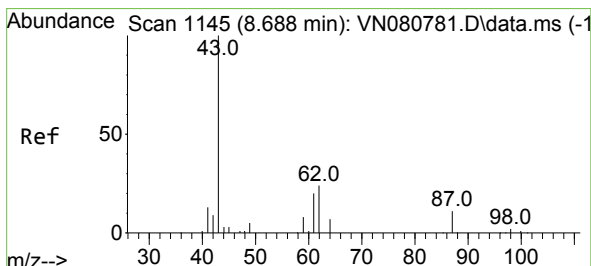
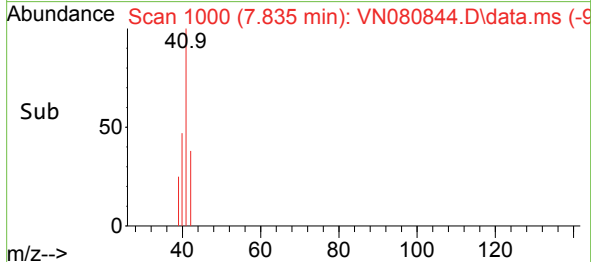
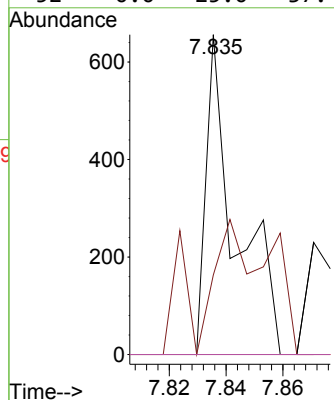
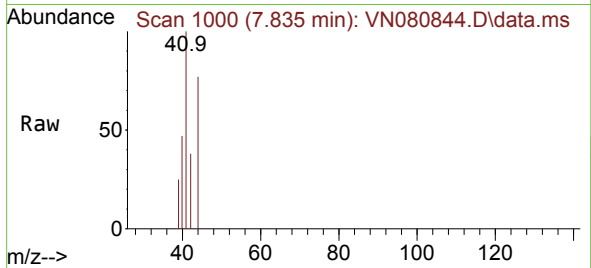




#41
Methacrylonitrile
Concen: 0.324 ug/l
RT: 7.835 min Scan# 1000
Delta R.T. 0.059 min
Lab File: VN080844.D
Acq: 31 Jan 2024 16:44

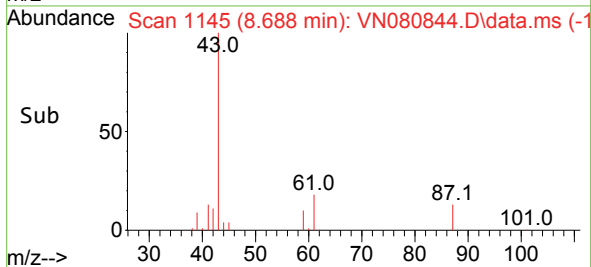
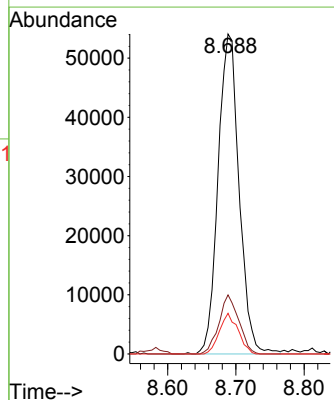
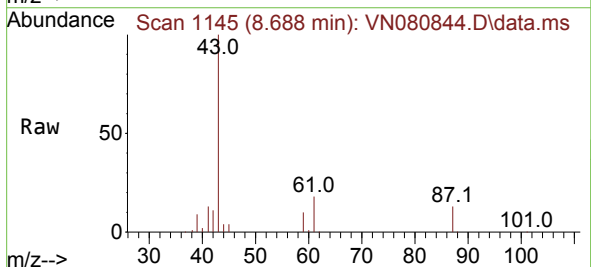
Instrument :
MSVOA_N
ClientSampleId :
TP-38

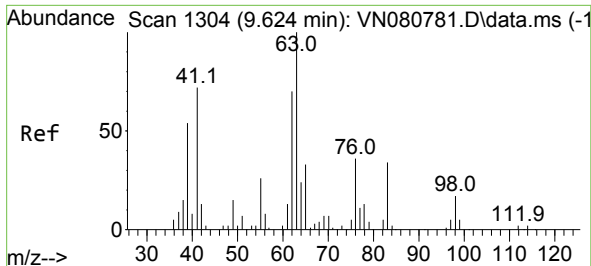
Tgt Ion:	41	Resp:	474
Ion	Ratio	Lower	Upper
41	100		
39	77.0	48.4	72.6#
67	0.0	56.8	85.2#
52	0.0	25.0	37.4#



#43
Isopropyl Acetate
Concen: 25.718 ug/l
RT: 8.688 min Scan# 1145
Delta R.T. 0.000 min
Lab File: VN080844.D
Acq: 31 Jan 2024 16:44

Tgt Ion:	43	Resp:	116288
Ion	Ratio	Lower	Upper
43	100		
61	17.4	19.9	29.9#
87	11.3	9.0	13.6





#45

1,2-Dichloropropane

Concen: 0.618 ug/l

RT: 9.741 min Scan# 1186

Delta R.T. 0.118 min

Lab File: VN080844.D

Acq: 31 Jan 2024 16:44

Instrument :

MSVOA_N

ClientSampleId :

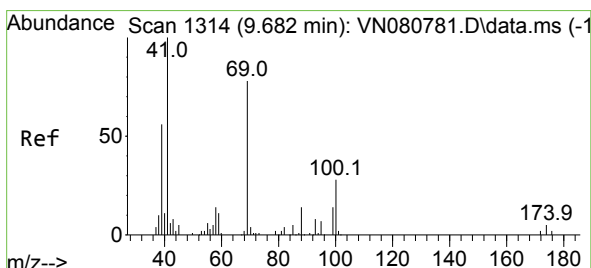
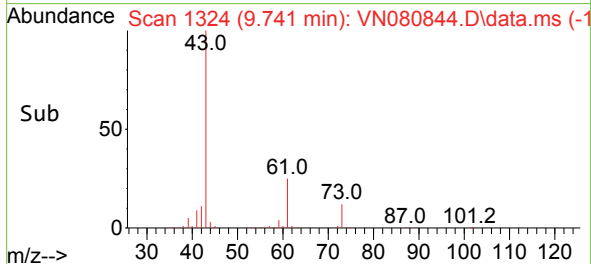
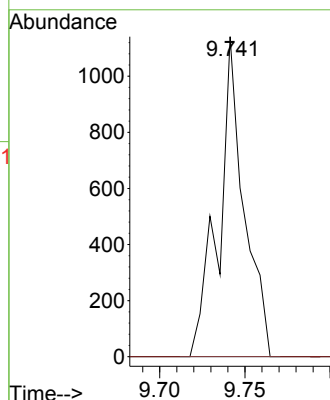
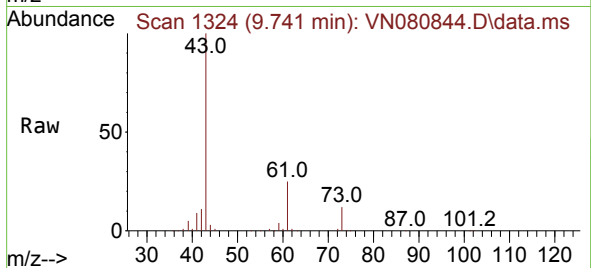
TP-38

Tgt Ion: 63 Resp: 1186

Ion Ratio Lower Upper

63 100

65 0.0 26.1 39.1#



#48

Methyl methacrylate

Concen: 1.604 ug/l

RT: 9.659 min Scan# 1310

Delta R.T. -0.023 min

Lab File: VN080844.D

Acq: 31 Jan 2024 16:44

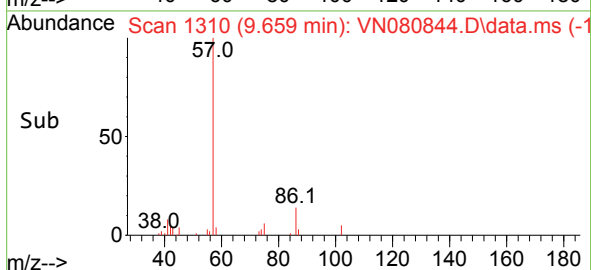
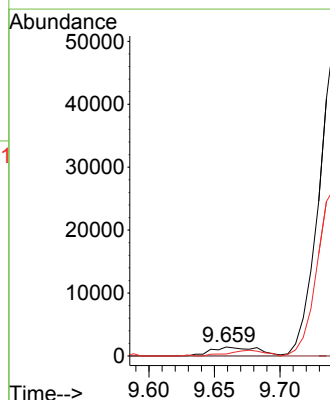
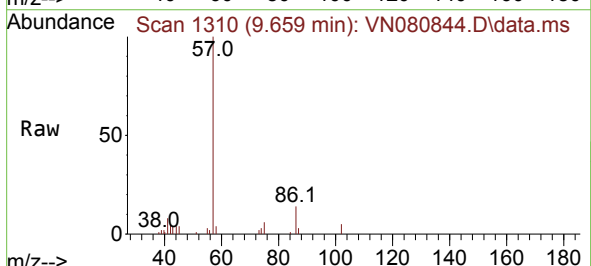
Tgt Ion: 41 Resp: 3516

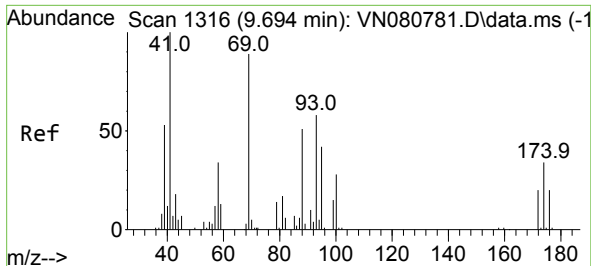
Ion Ratio Lower Upper

41 100

69 0.0 62.2 93.2#

39 48.7 47.6 71.4





#49

1,4-Dioxane

Concen: 2.083 ug/l

RT: 9.712 min Scan# 11

Delta R.T. 0.018 min

Lab File: VN080844.D

Acq: 31 Jan 2024 16:44

Instrument :

MSVOA_N

ClientSampleId :

TP-38

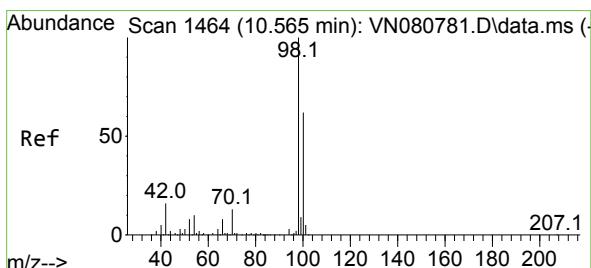
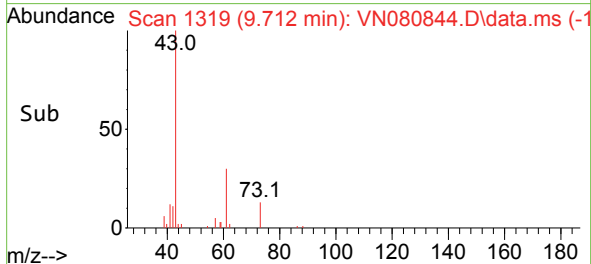
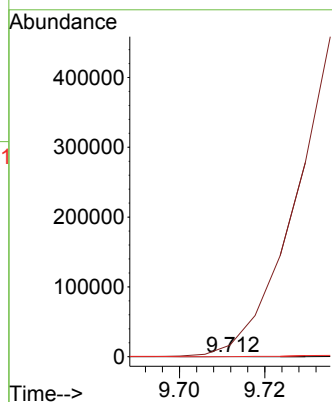
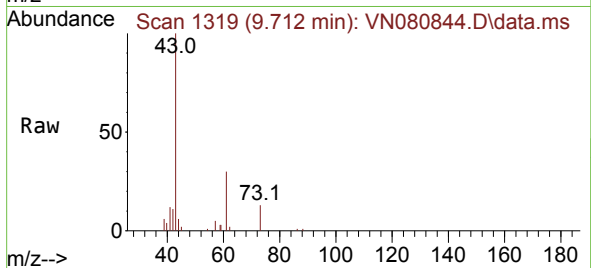
Tgt Ion: 88 Resp: 55

Ion Ratio Lower Upper

88 100

43 0.0 30.1 45.1#

58 0.0 63.9 95.9#



#50

Toluene-d8

Concen: 49.827 ug/l

RT: 10.571 min Scan# 1465

Delta R.T. 0.006 min

Lab File: VN080844.D

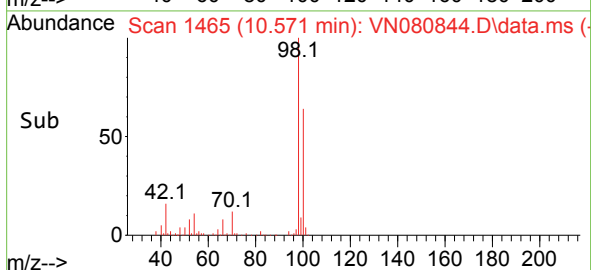
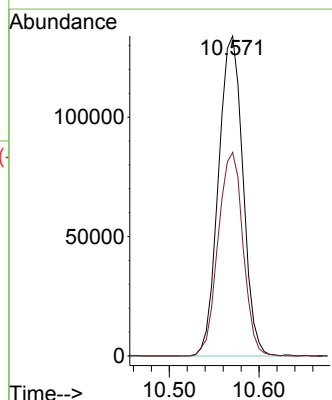
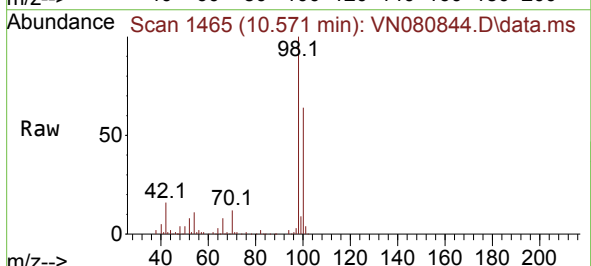
Acq: 31 Jan 2024 16:44

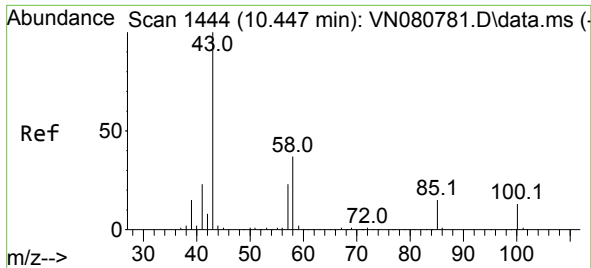
Tgt Ion: 98 Resp: 253137

Ion Ratio Lower Upper

98 100

100 64.9 51.4 77.0

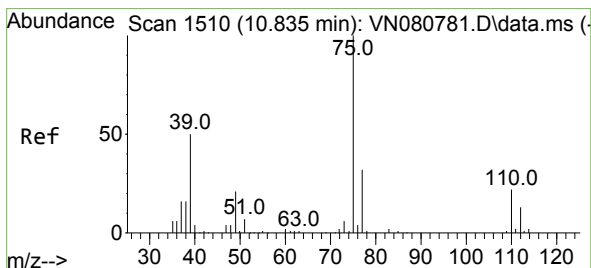
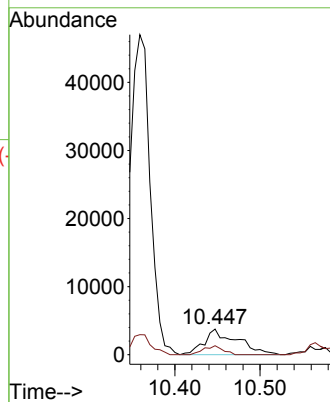
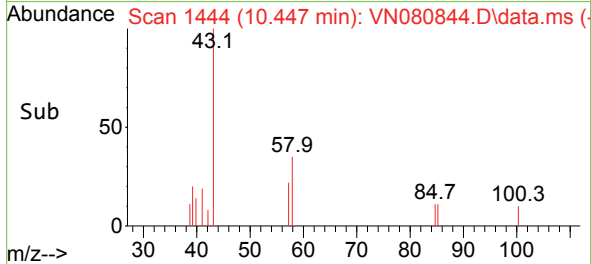
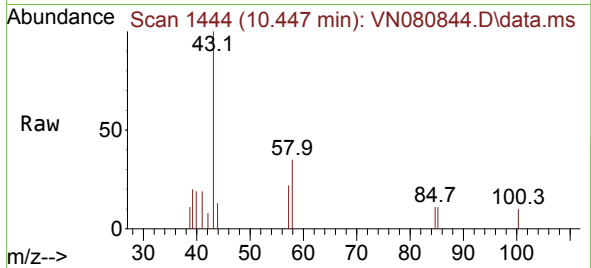




#51
4-Methyl-2-Pentanone
Concen: 4.014 ug/l
RT: 10.447 min Scan# 1444
Delta R.T. 0.000 min
Lab File: VN080844.D
Acq: 31 Jan 2024 16:44

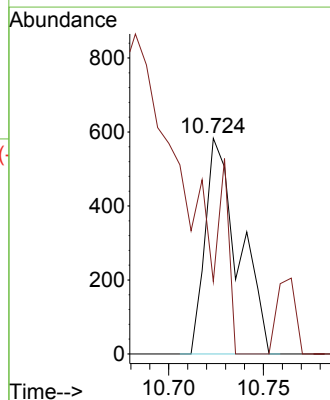
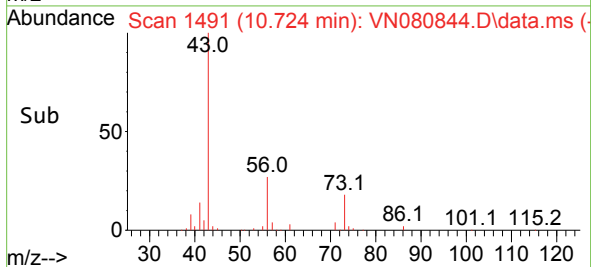
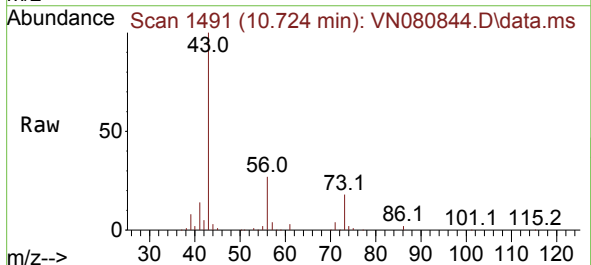
Instrument :
MSVOA_N
ClientSampleId :
TP-38

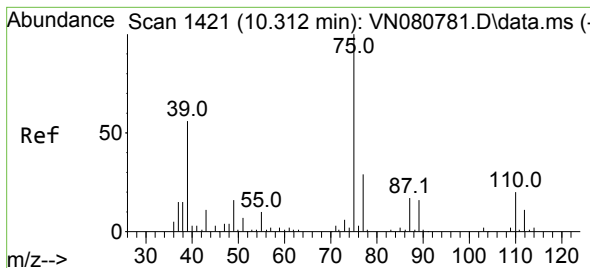
Tgt Ion: 43 Resp: 10146
Ion Ratio Lower Upper
43 100
58 20.4 29.4 44.0#



#53
t-1,3-Dichloropropene
Concen: 0.265 ug/l
RT: 10.724 min Scan# 1491
Delta R.T. -0.112 min
Lab File: VN080844.D
Acq: 31 Jan 2024 16:44

Tgt Ion: 75 Resp: 712
Ion Ratio Lower Upper
75 100
77 1.0 25.5 38.3#

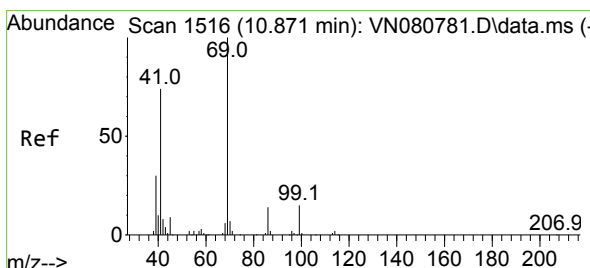
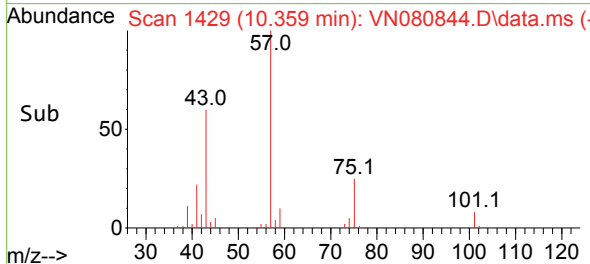
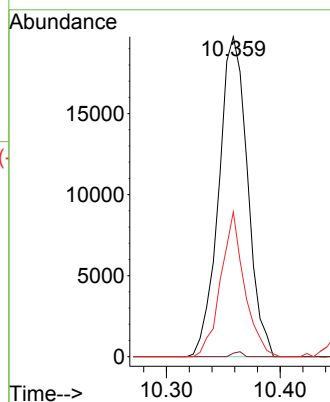
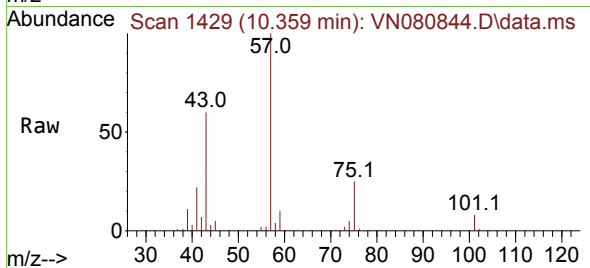




#54
 cis-1,3-Dichloropropene
 Concen: 11.853 ug/l
 RT: 10.359 min Scan# 1429
 Delta R.T. 0.047 min
 Lab File: VN080844.D
 Acq: 31 Jan 2024 16:44

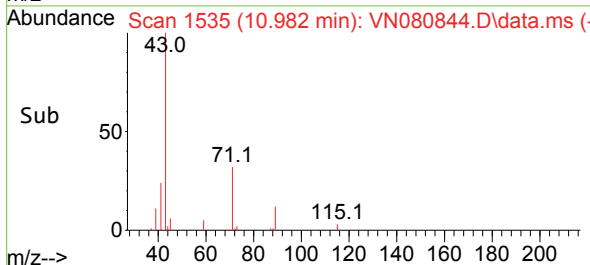
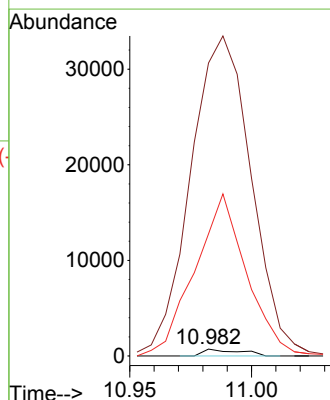
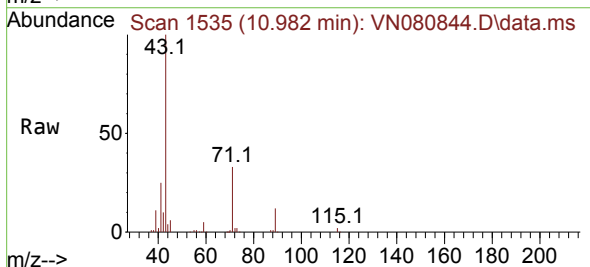
Instrument :
 MSVOA_N
 ClientSampleId :
 TP-38

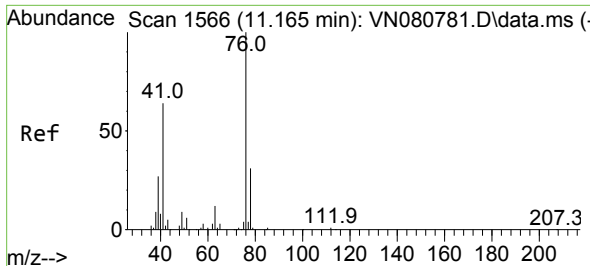
Tgt Ion: 75 Resp: 34679
 Ion Ratio Lower Upper
 75 100
 77 1.1 23.3 34.9#
 39 45.3 44.6 66.8



#56
 Ethyl methacrylate
 Concen: 0.311 ug/l
 RT: 10.982 min Scan# 1535
 Delta R.T. 0.111 min
 Lab File: VN080844.D
 Acq: 31 Jan 2024 16:44

Tgt Ion: 69 Resp: 746
 Ion Ratio Lower Upper
 69 100
 41 7841.0 61.0 91.6#
 39 3377.5 31.8 47.6#





#57

1,3-Dichloropropane

Concen: 1.186 ug/l

RT: 11.200 min Scan# 1572

Delta R.T. 0.035 min

Lab File: VN080844.D

Acq: 31 Jan 2024 16:44

Instrument :

MSVOA_N

ClientSampleId :

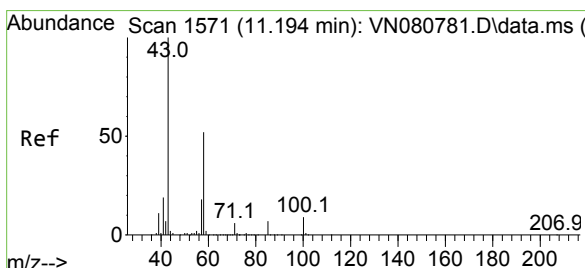
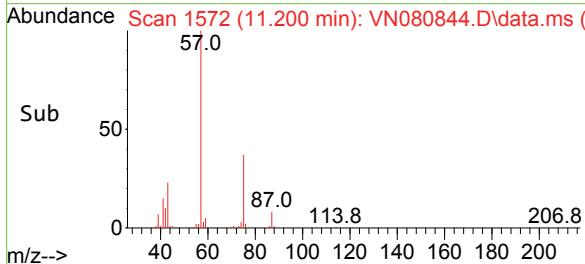
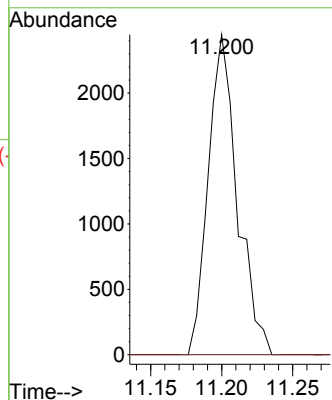
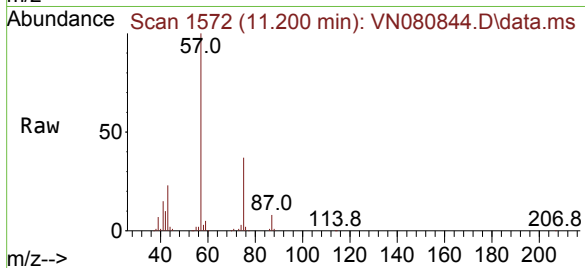
TP-38

Tgt Ion: 76 Resp: 3488

Ion Ratio Lower Upper

76 100

78 0.0 25.5 38.3#



#59

2-Hexanone

Concen: 53.001 ug/l

RT: 11.171 min Scan# 1567

Delta R.T. -0.023 min

Lab File: VN080844.D

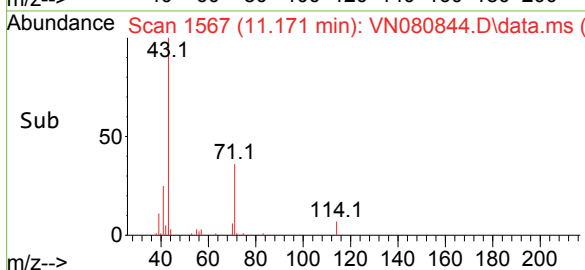
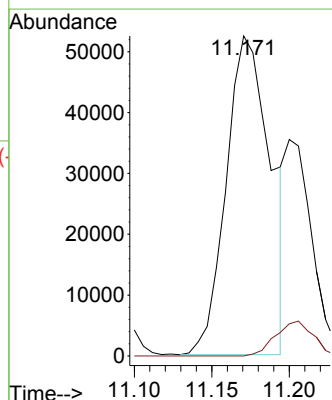
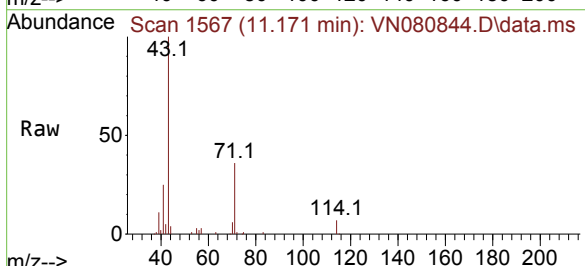
Acq: 31 Jan 2024 16:44

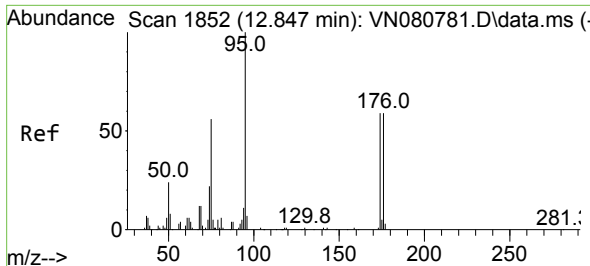
Tgt Ion: 43 Resp: 104065

Ion Ratio Lower Upper

43 100

58 0.0 25.9 77.8#

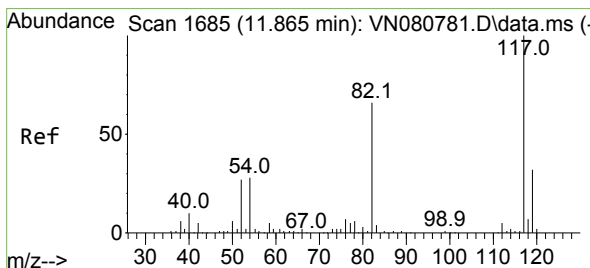
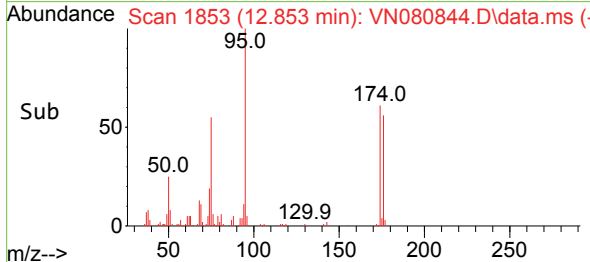
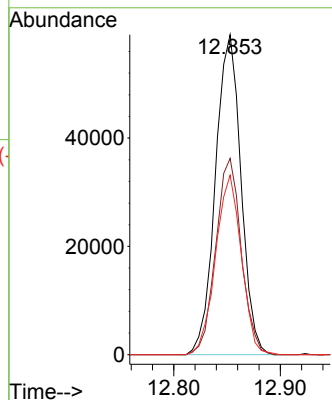
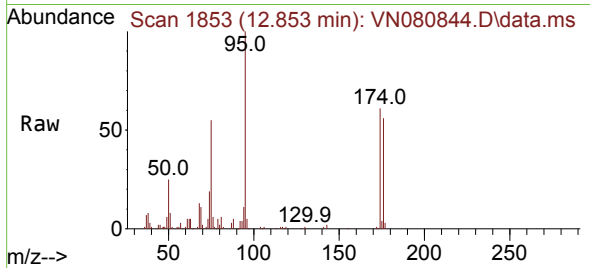




#62
4-Bromofluorobenzene
Concen: 55.568 ug/l
RT: 12.853 min Scan# 1853
Delta R.T. 0.006 min
Lab File: VN080844.D
Acq: 31 Jan 2024 16:44

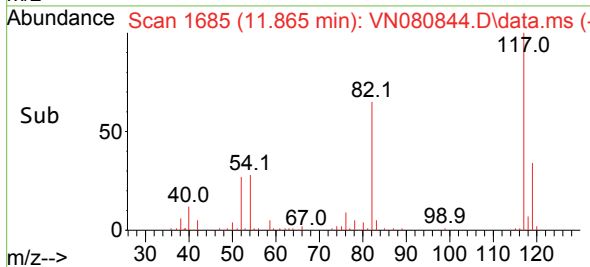
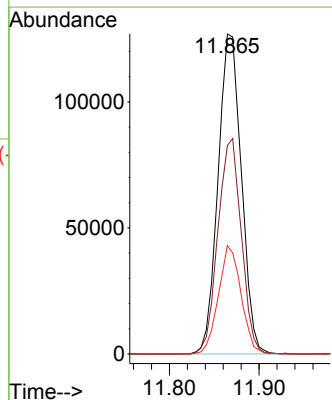
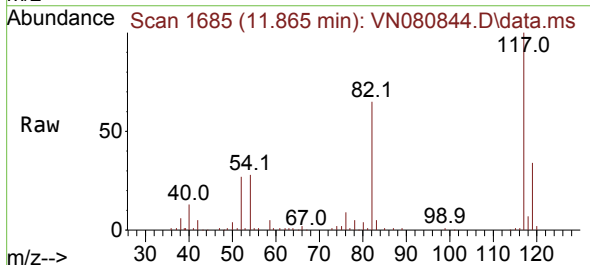
Instrument :
MSVOA_N
ClientSampleId :
TP-38

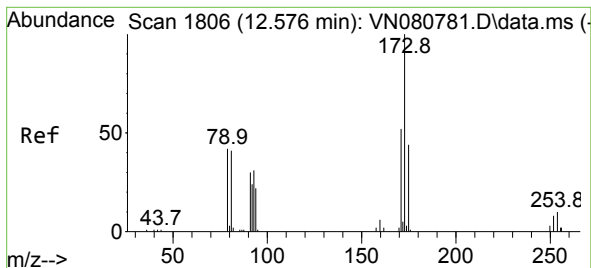
Tgt Ion: 95 Resp: 98376
Ion Ratio Lower Upper
95 100
174 61.2 0.0 120.4
176 56.6 0.0 121.0



#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.865 min Scan# 1685
Delta R.T. 0.000 min
Lab File: VN080844.D
Acq: 31 Jan 2024 16:44

Tgt Ion: 117 Resp: 229693
Ion Ratio Lower Upper
117 100
82 65.2 52.7 79.1
119 33.9 25.3 37.9





#71

Bromoform

Concen: 0.285 ug/l

RT: 12.847 min Scan# 1806

Delta R.T. 0.271 min

Lab File: VN080844.D

Acq: 31 Jan 2024 16:44

Instrument :

MSVOA_N

ClientSampleId :

TP-38

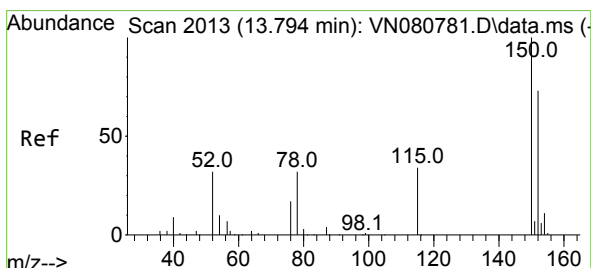
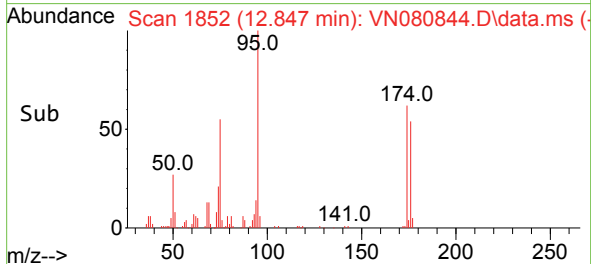
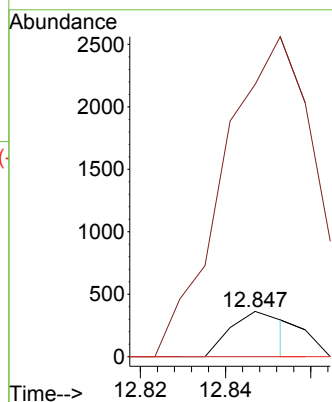
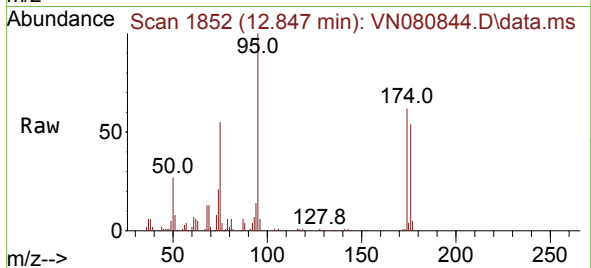
Tgt Ion:173 Resp: 314

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: VN080844.D

Acq: 31 Jan 2024 16:44

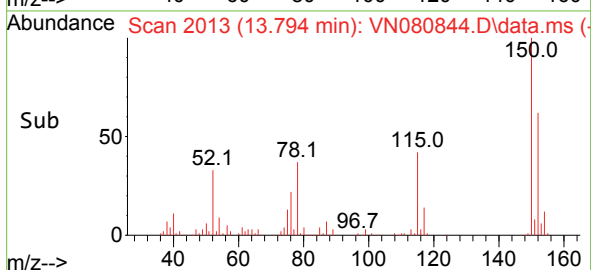
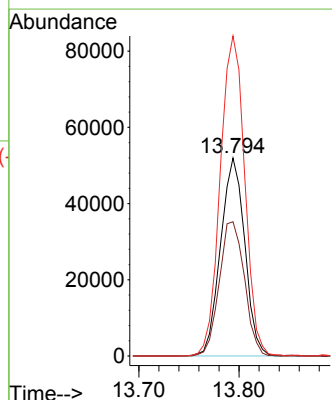
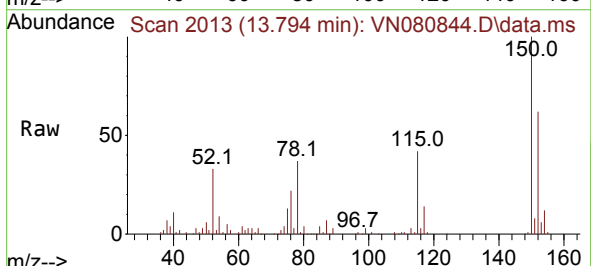
Tgt Ion:152 Resp: 87010

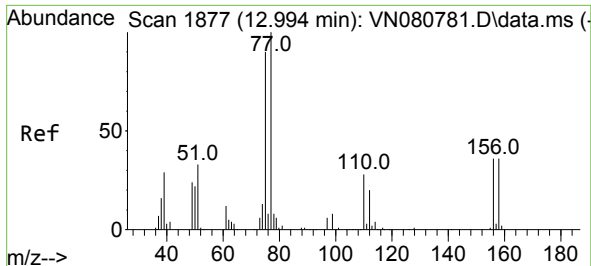
Ion Ratio Lower Upper

152 100

115 70.5 32.3 96.8

150 163.7 0.0 339.8

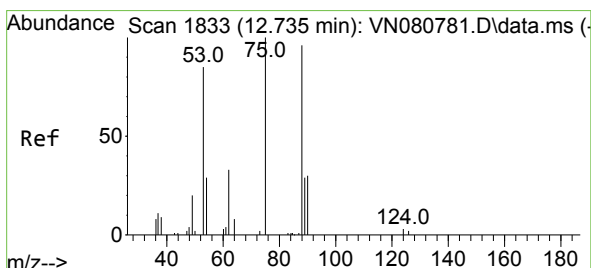
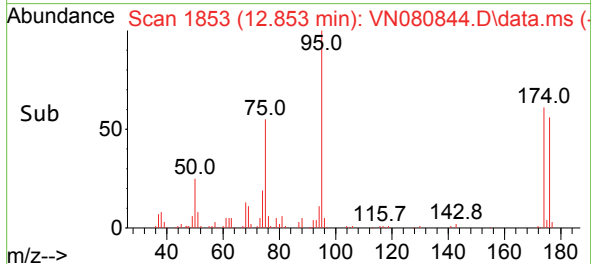
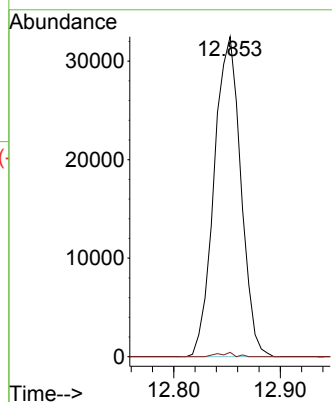
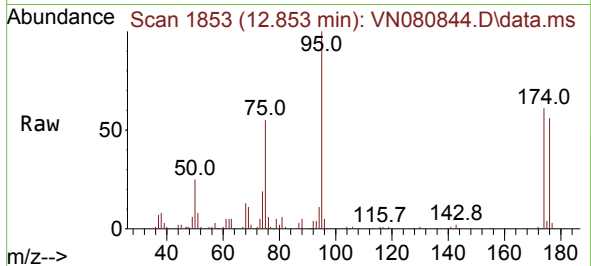




#76
1,2,3-Trichloropropane
Concen: 21.537 ug/l
RT: 12.853 min Scan# 1853
Delta R.T. -0.141 min
Lab File: VN080844.D
Acq: 31 Jan 2024 16:44

Instrument :
MSVOA_N
ClientSampleId :
TP-38

Tgt Ion: 75 Resp: 56518
Ion Ratio Lower Upper
75 100
77 0.8 91.0 272.8#



#81
trans-1,4-Dichloro-2-butene
Concen: 55.483 ug/l
RT: 12.853 min Scan# 1853
Delta R.T. 0.118 min
Lab File: VN080844.D
Acq: 31 Jan 2024 16:44

Tgt Ion: 75 Resp: 56518
Ion Ratio Lower Upper
75 100
53 0.0 71.4 107.2#
89 0.0 33.4 50.0#

