

Data Path : Z:\voasrv\HPCHEM1\MSVOA_N\Data\VN021924\
 Data File : VN081080.D
 Acq On : 19 Feb 2024 16:53
 Operator : JC\MD
 Sample : P1505-12
 Misc : 5.0mL/MSVOA_N/WATER
 ALS Vial : 1 Sample Multiplier: 1

Instrument :
 MSVOA_N
 ClientSampleId :
 WC-2S

Quant Time: Feb 20 00:24:37 2024
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_N\methods\82N021624W.M
 Quant Title : SW846 8260
 QLast Update : Fri Feb 16 23:45:20 2024
 Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)

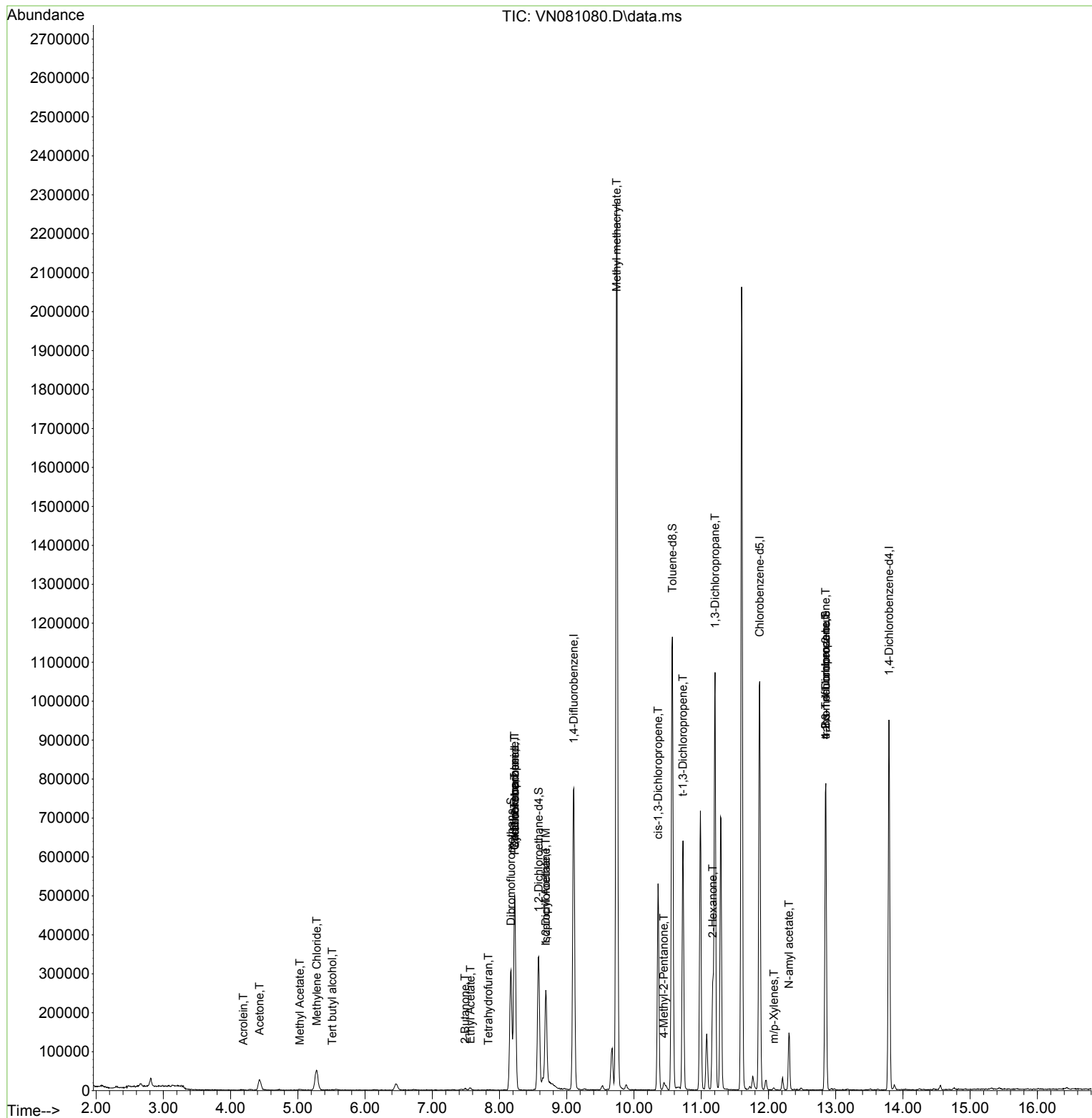
Internal Standards						
1) Pentafluorobenzene	8.229	168	358783	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	9.106	114	693784	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.870	117	610524	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.794	152	244714	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.582	65	276432	62.859	ug/l	0.00
Spiked Amount	50.000	Range	74 - 125	Recovery	= 125.720%#	
35) Dibromofluoromethane	8.171	113	219100	55.848	ug/l	0.00
Spiked Amount	50.000	Range	75 - 124	Recovery	= 111.700%	
50) Toluene-d8	10.570	98	821894	58.985	ug/l	0.00
Spiked Amount	50.000	Range	86 - 113	Recovery	= 117.980%#	
62) 4-Bromofluorobenzene	12.853	95	276639	52.837	ug/l	0.00
Spiked Amount	50.000	Range	83 - 123	Recovery	= 105.680%	
Target Compounds						
					Qvalue	
3) Chloromethane	2.365	50	1225	Below Cal	#	77
6) Chloroethane	3.118	64	686	Below Cal	#	42
11) Tert butyl alcohol	5.512	59	1036	1.281	ug/l #	72
13) Acrolein	4.189	56	1351	3.117	ug/l #	62
16) Acetone	4.430	43	50857	29.391	ug/l	98
18) Methyl Acetate	5.030	43	4614	1.093	ug/l #	90
20) Methylene Chloride	5.283	84	40823	8.345	ug/l	88
25) 2-Butanone	7.488	43	5748	2.056	ug/l	100
29) Tetrahydrofuran	7.835	42	1112	0.596	ug/l #	38
31) Cyclohexane	8.224	56	8896	1.172	ug/l #	1
36) 1,1-Dichloropropene	8.224	75	32414	4.823	ug/l #	52
37) Ethyl Acetate	7.571	43	8138	1.342	ug/l #	93
38) Carbon Tetrachloride	8.224	117	41707	6.133	ug/l #	18
42) 1,2-Dichloroethane	8.688	62	1740	0.256	ug/l #	75
43) Isopropyl Acetate	8.688	43	328610	30.975	ug/l #	89
48) Methyl methacrylate	9.741	41	207817	42.099	ug/l #	47
49) 1,4-Dioxane	9.694	88	322	Below Cal	#	18
51) 4-Methyl-2-Pentanone	10.447	43	19912	3.263	ug/l #	82
53) t-1,3-Dichloropropene	10.729	75	1841	0.247	ug/l #	43
54) cis-1,3-Dichloropropene	10.359	75	97735	12.122	ug/l #	59
57) 1,3-Dichloropropane	11.206	76	10402	1.270	ug/l #	43
59) 2-Hexanone	11.170	43	213630	44.154	ug/l #	26
68) m/p-Xylenes	12.082	106	1896	0.209	ug/l #	61
74) N-amyl acetate	12.306	43	43476	4.805	ug/l #	57
76) 1,2,3-Trichloropropane	12.853	75	145905	26.242	ug/l #	1
81) trans-1,4-Dichloro-2-b...	12.853	75	145905	67.544	ug/l #	14

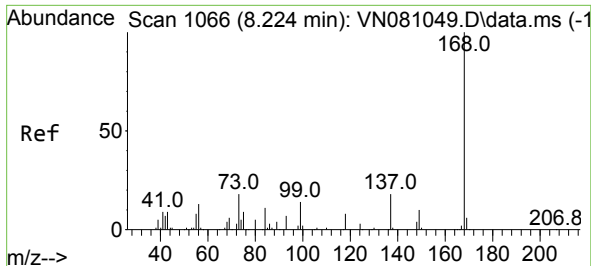
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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Quant Time: Feb 20 00:24:37 2024
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Quant Title : SW846 8260
QLast Update : Fri Feb 16 23:45:20 2024
Response via : Initial Calibration

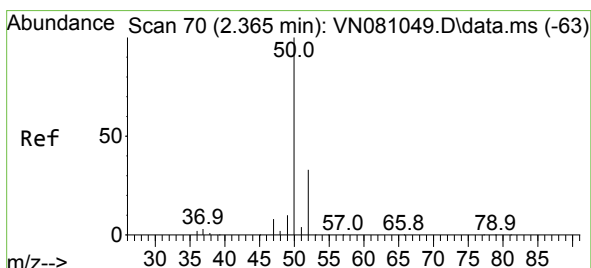
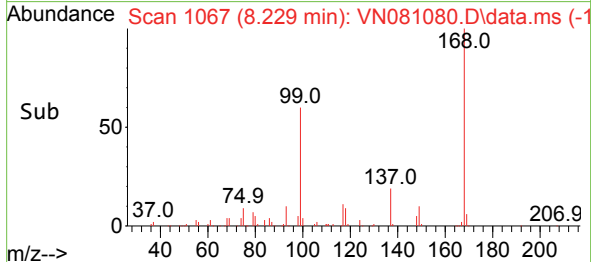
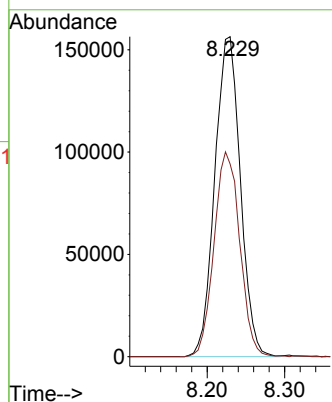
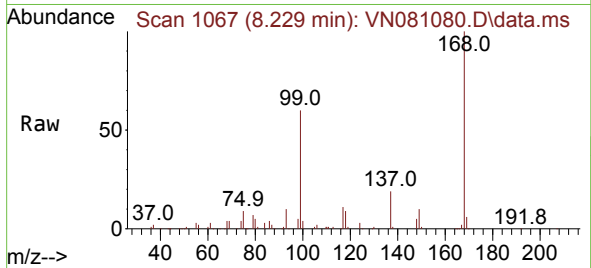




#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 8.229 min Scan# 10
Delta R.T. 0.005 min
Lab File: VN081080.D
Acq: 19 Feb 2024 16:53

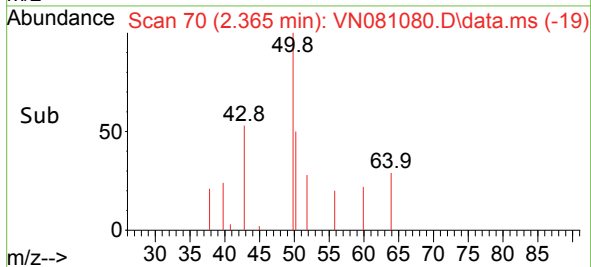
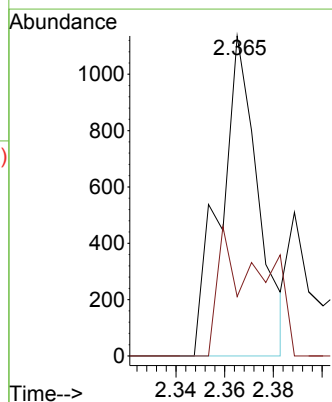
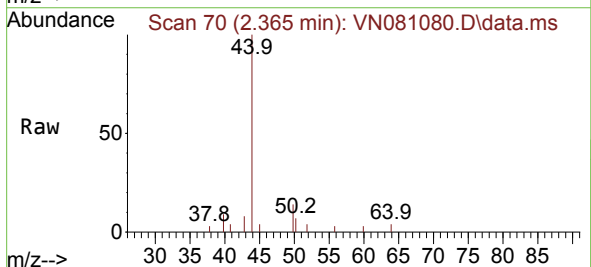
Instrument :
MSVOA_N
ClientSampleId :
WC-2S

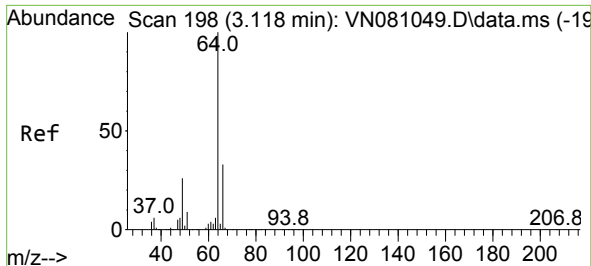
Tgt Ion:168 Resp: 358783
Ion Ratio Lower Upper
168 100
99 60.2 59.9 89.9



#3
Chloromethane
Concen: Below Cal
RT: 2.365 min Scan# 70
Delta R.T. 0.000 min
Lab File: VN081080.D
Acq: 19 Feb 2024 16:53

Tgt Ion: 50 Resp: 1225
Ion Ratio Lower Upper
50 100
52 18.6 25.0 37.4#

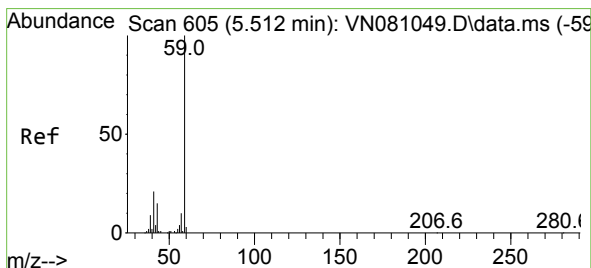
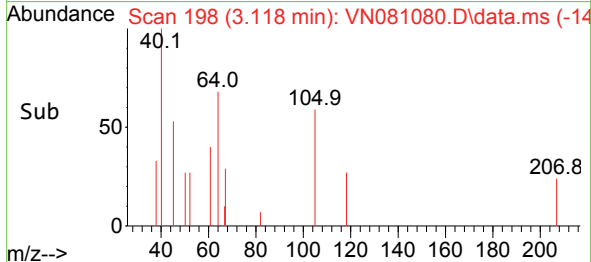
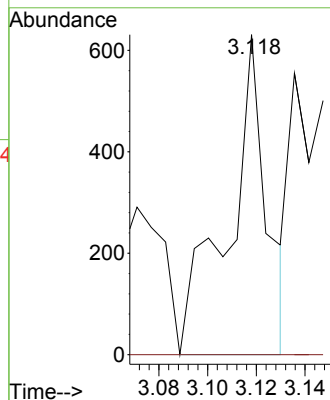
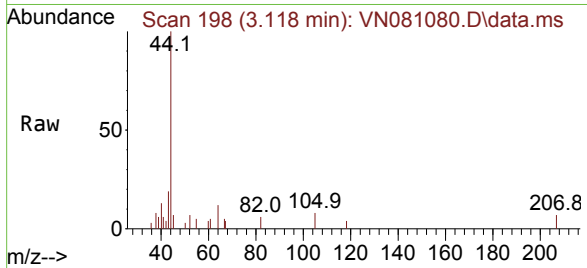




#6
Chloroethane
Concen: Below Cal
RT: 3.118 min Scan# 198
Delta R.T. 0.000 min
Lab File: VN081080.D
Acq: 19 Feb 2024 16:53

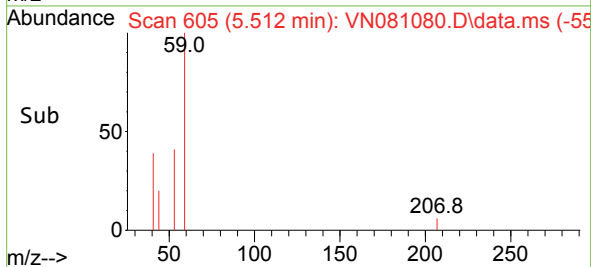
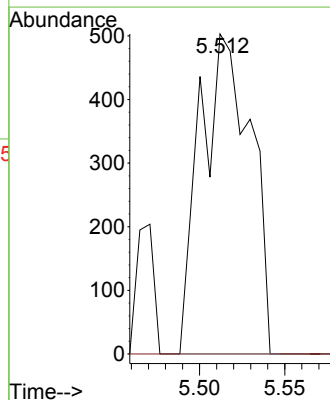
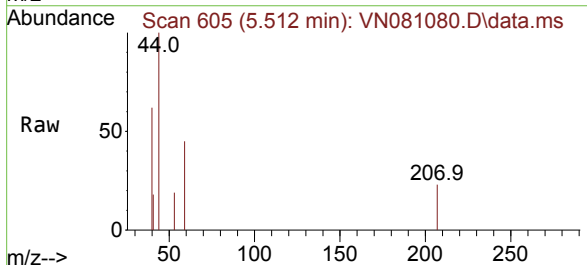
Instrument :
MSVOA_N
ClientSampleId :
WC-2S

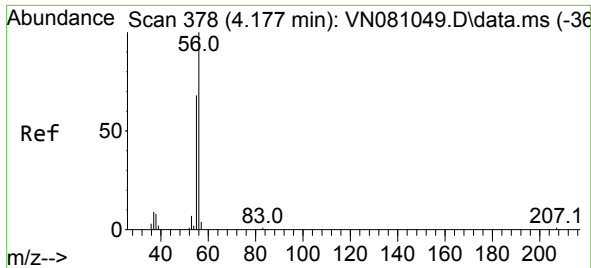
Tgt Ion: 64 Resp: 686
Ion Ratio Lower Upper
64 100
66 0.0 26.4 39.6#



#11
Tert butyl alcohol
Concen: 1.281 ug/l
RT: 5.512 min Scan# 605
Delta R.T. -0.000 min
Lab File: VN081080.D
Acq: 19 Feb 2024 16:53

Tgt Ion: 59 Resp: 1036
Ion Ratio Lower Upper
59 100
57 0.0 8.6 12.8#

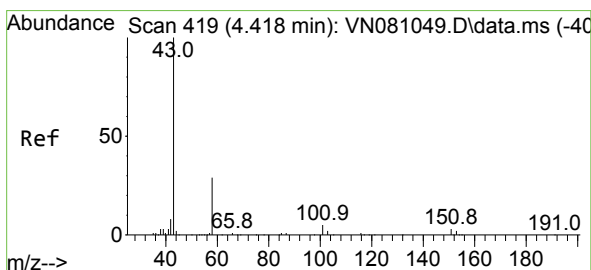
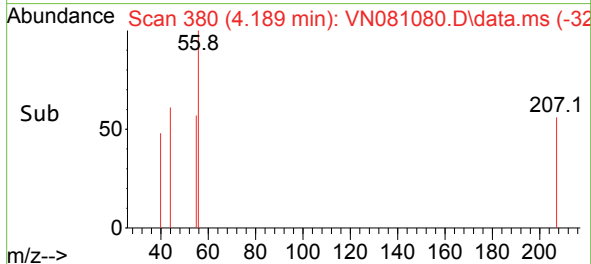
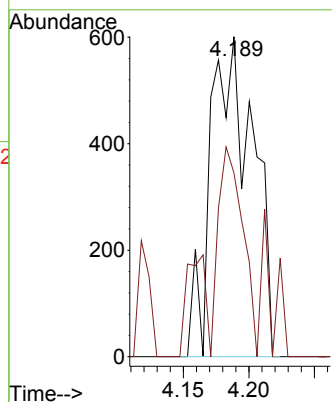
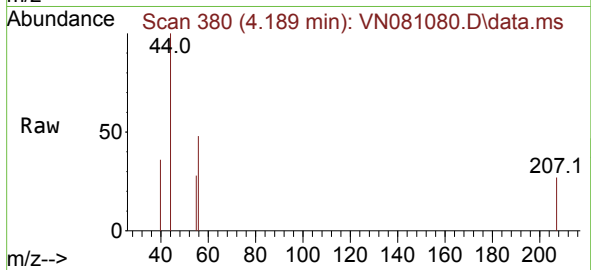




#13
Acrolein
Concen: 3.117 ug/l
RT: 4.189 min Scan# 31
Delta R.T. 0.012 min
Lab File: VN081080.D
Acq: 19 Feb 2024 16:53

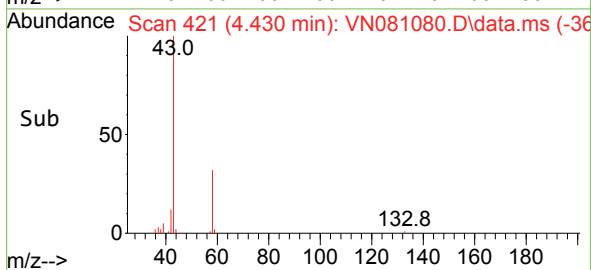
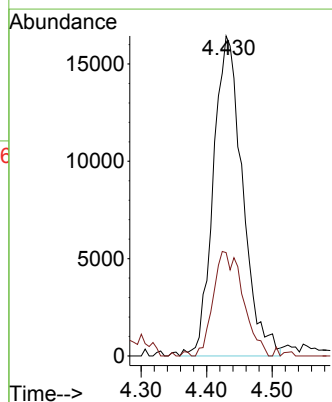
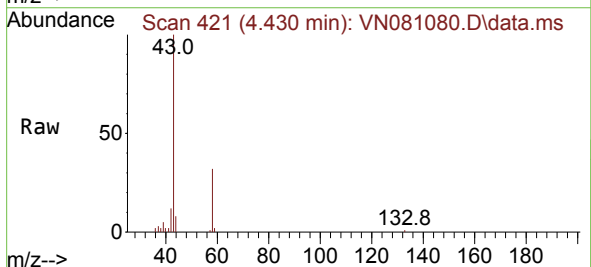
Instrument :
MSVOA_N
ClientSampleId :
WC-2S

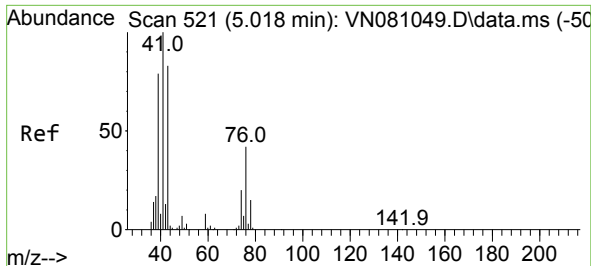
Tgt Ion: 56 Resp: 1351
Ion Ratio Lower Upper
56 100
55 37.9 55.3 82.9#



#16
Acetone
Concen: 29.391 ug/l
RT: 4.430 min Scan# 421
Delta R.T. 0.012 min
Lab File: VN081080.D
Acq: 19 Feb 2024 16:53

Tgt Ion: 43 Resp: 50857
Ion Ratio Lower Upper
43 100
58 32.3 24.8 37.2

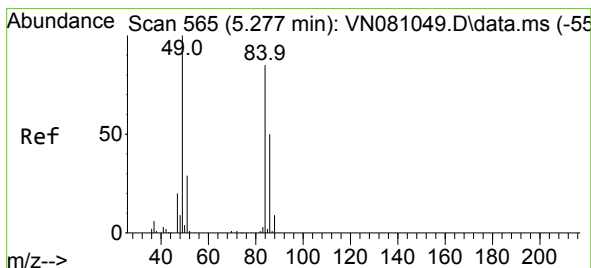
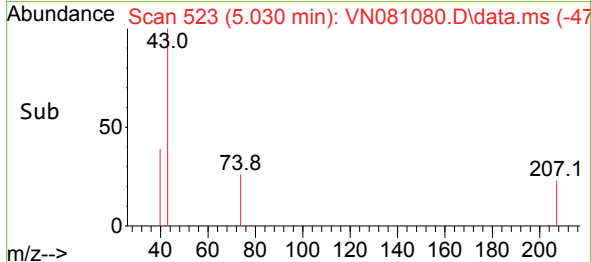
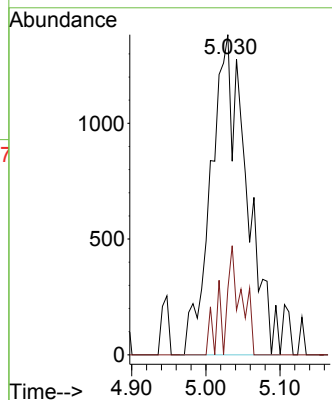
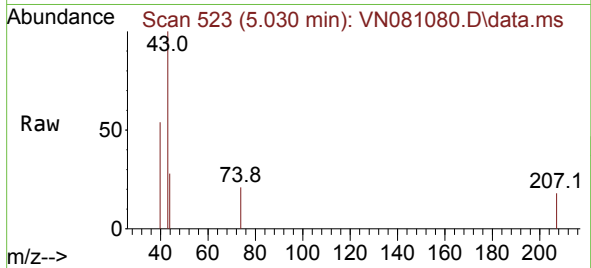




#18
Methyl Acetate
Concen: 1.093 ug/l
RT: 5.030 min Scan# 51
Delta R.T. 0.012 min
Lab File: VN081080.D
Acq: 19 Feb 2024 16:53

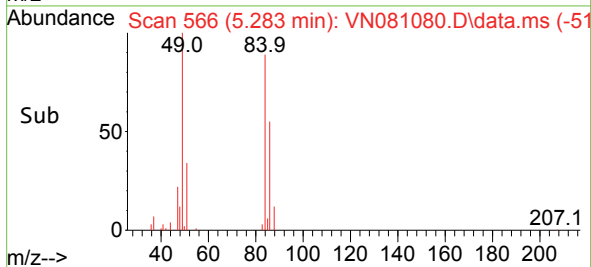
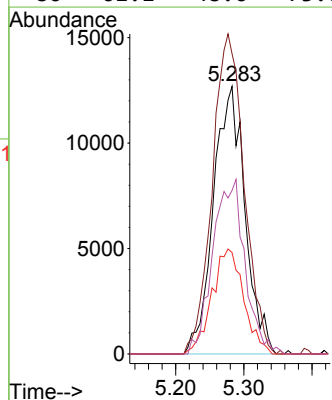
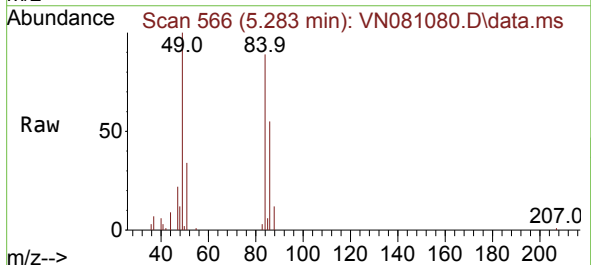
Instrument :
MSVOA_N
ClientSampleId :
WC-2S

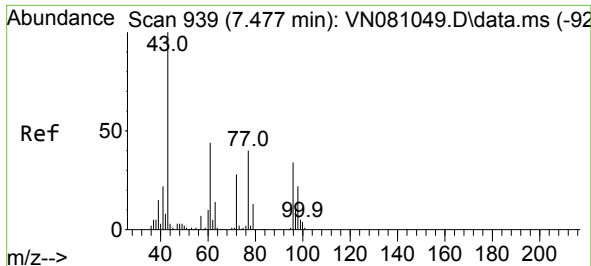
Tgt Ion: 43 Resp: 4614
Ion Ratio Lower Upper
43 100
74 16.9 17.3 25.9#



#20
Methylene Chloride
Concen: 8.345 ug/l
RT: 5.283 min Scan# 566
Delta R.T. 0.006 min
Lab File: VN081080.D
Acq: 19 Feb 2024 16:53

Tgt Ion: 84 Resp: 40823
Ion Ratio Lower Upper
84 100
49 112.2 108.1 162.1
51 37.9 32.9 49.3
86 61.1 48.6 73.0





#25

2-Butanone

Concen: 2.056 ug/l

RT: 7.488 min Scan# 941

Delta R.T. 0.012 min

Lab File: VN081080.D

Acq: 19 Feb 2024 16:53

Instrument :

MSVOA_N

ClientSampleId :

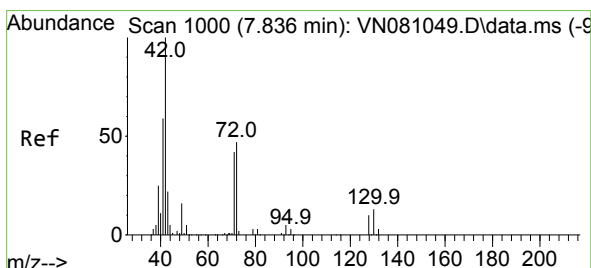
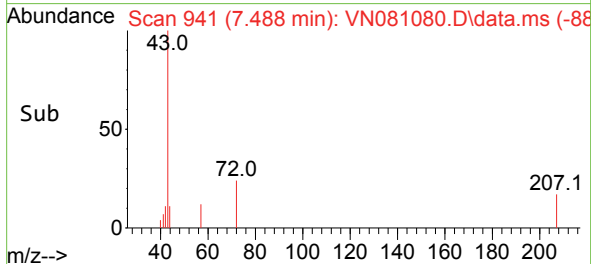
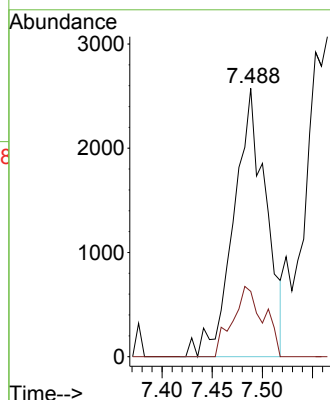
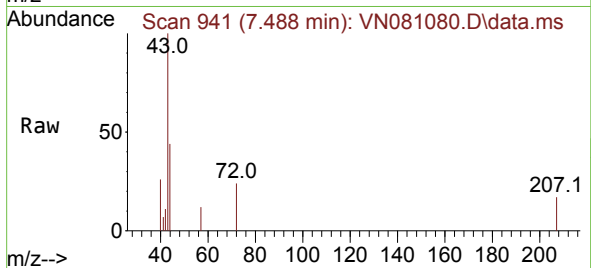
WC-2S

Tgt Ion: 43 Resp: 5748

Ion Ratio Lower Upper

43 100

72 24.3 19.5 29.3



#29

Tetrahydrofuran

Concen: 0.596 ug/l

RT: 7.835 min Scan# 1000

Delta R.T. -0.000 min

Lab File: VN081080.D

Acq: 19 Feb 2024 16:53

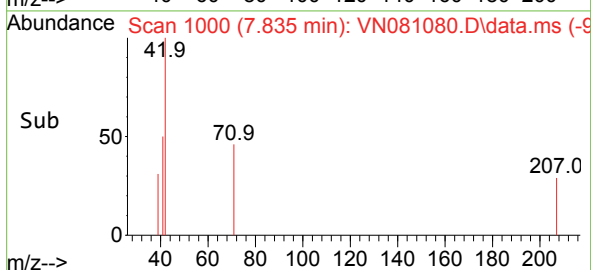
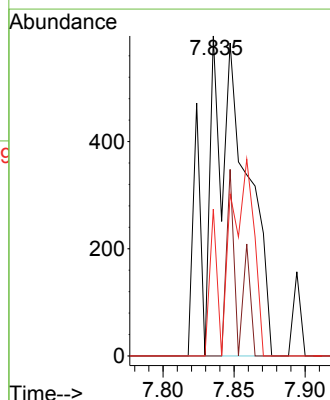
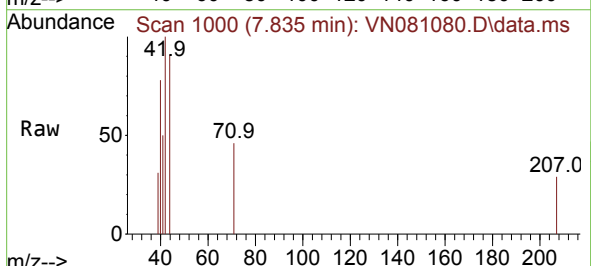
Tgt Ion: 42 Resp: 1112

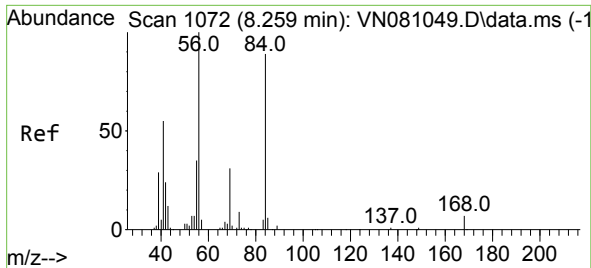
Ion Ratio Lower Upper

42 100

72 0.0 31.1 46.7#

71 0.0 28.3 42.5#

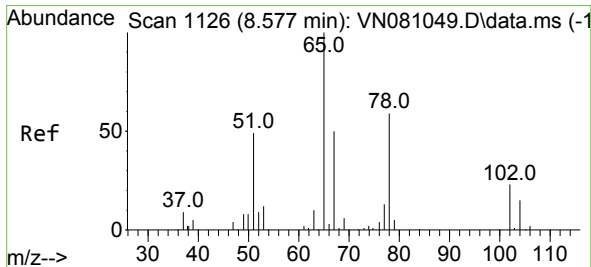
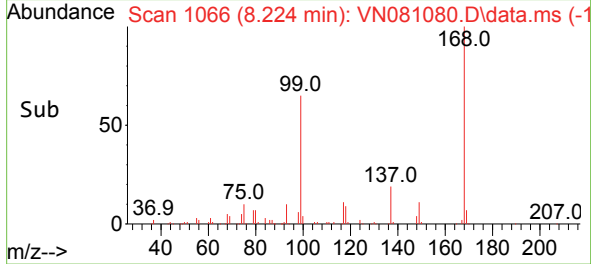
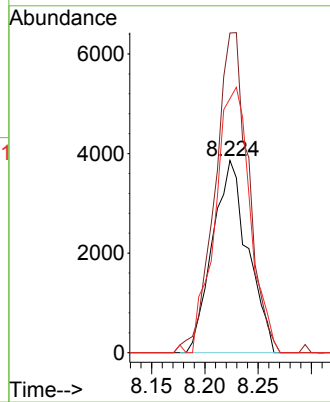
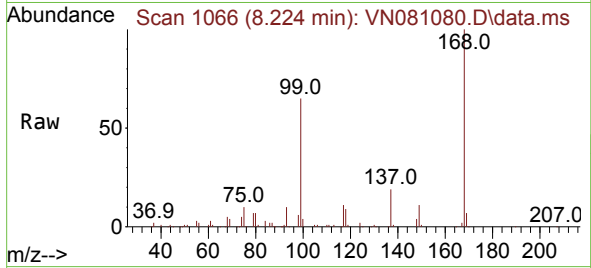




#31
Cyclohexane
Concen: 1.172 ug/l
RT: 8.224 min Scan# 1066
Delta R.T. -0.036 min
Lab File: VN081080.D
Acq: 19 Feb 2024 16:53

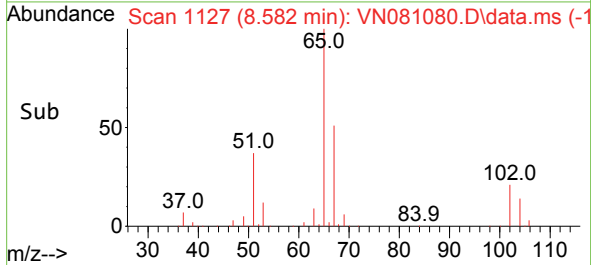
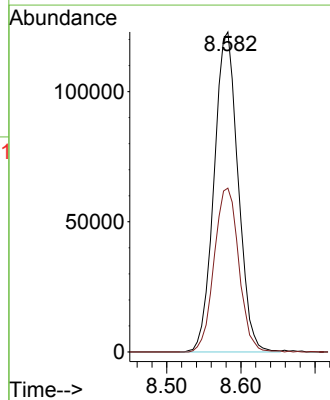
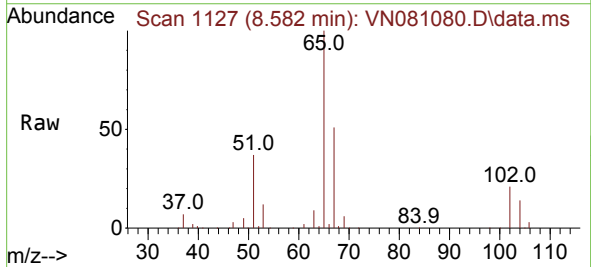
Instrument :
MSVOA_N
ClientSampleId :
WC-2S

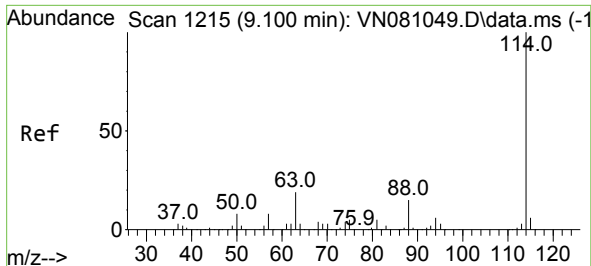
Tgt Ion: 56 Resp: 8896
Ion Ratio Lower Upper
56 100
69 166.4 20.1 30.1#
84 132.3 56.9 85.3#



#33
1,2-Dichloroethane-d4
Concen: 62.859 ug/l
RT: 8.582 min Scan# 1127
Delta R.T. 0.006 min
Lab File: VN081080.D
Acq: 19 Feb 2024 16:53

Tgt Ion: 65 Resp: 276432
Ion Ratio Lower Upper
65 100
67 52.7 0.0 102.4





#34

1,4-Difluorobenzene

Concen: 50.000 ug/l

RT: 9.106 min Scan# 1

Delta R.T. 0.006 min

Lab File: VN081080.D

Acq: 19 Feb 2024 16:53

Instrument :

MSVOA_N

ClientSampleId :

WC-2S

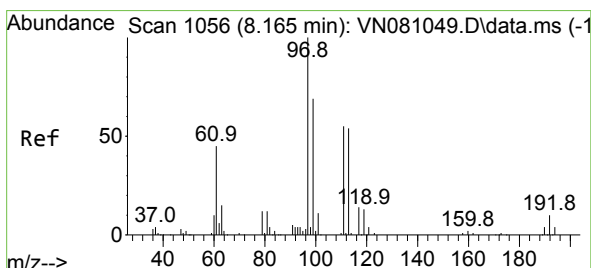
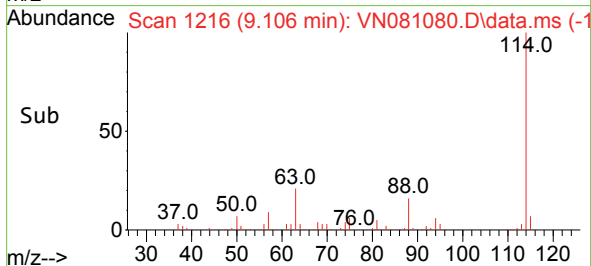
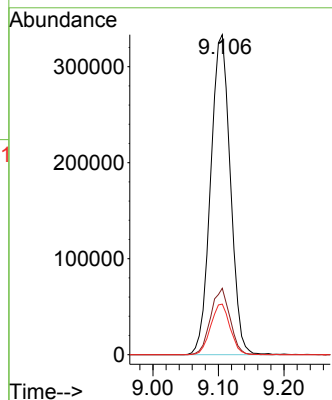
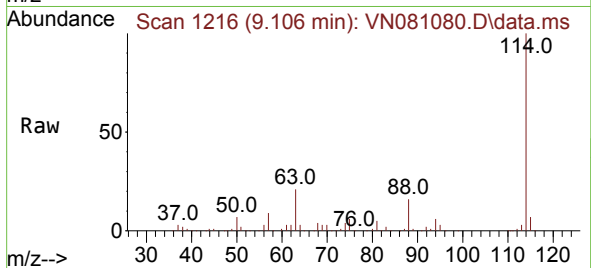
Tgt Ion:114 Resp: 693784

Ion Ratio Lower Upper

114 100

63 20.7 0.0 48.0

88 15.8 0.0 34.8



#35

Dibromofluoromethane

Concen: 55.848 ug/l

RT: 8.171 min Scan# 1057

Delta R.T. 0.006 min

Lab File: VN081080.D

Acq: 19 Feb 2024 16:53

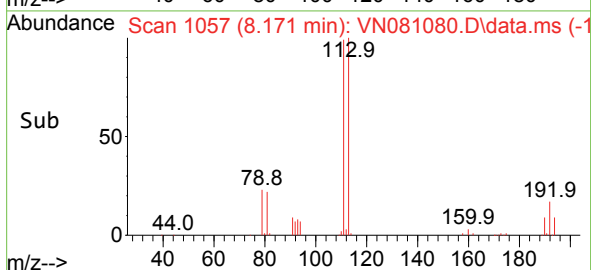
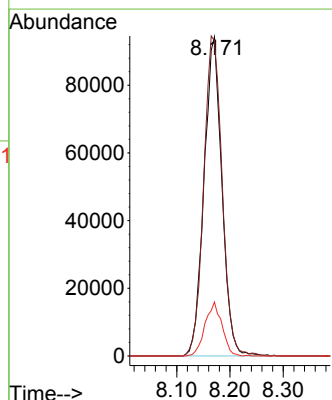
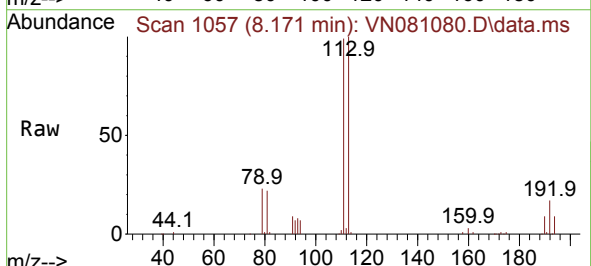
Tgt Ion:113 Resp: 219100

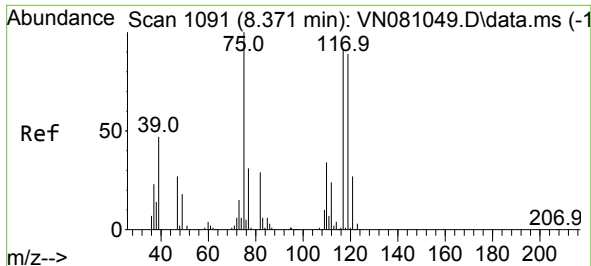
Ion Ratio Lower Upper

113 100

111 103.6 82.2 123.4

192 16.0 12.5 18.7





#36

1,1-Dichloropropene

Concen: 4.823 ug/l

RT: 8.224 min Scan# 1066

Delta R.T. -0.147 min

Lab File: VN081080.D

Acq: 19 Feb 2024 16:53

Instrument :

MSVOA_N

ClientSampleId :

WC-2S

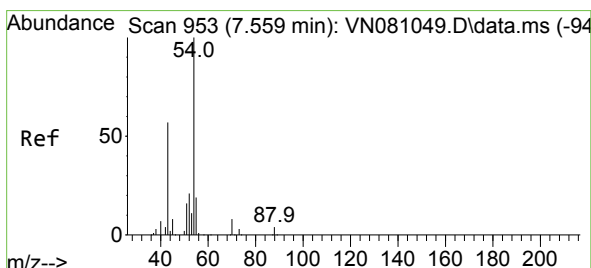
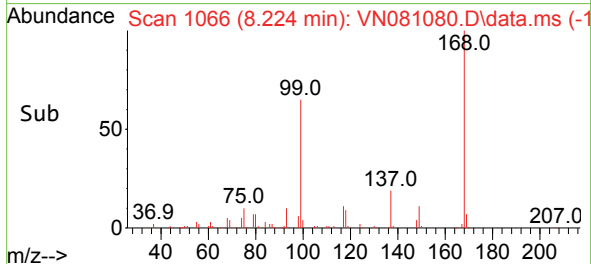
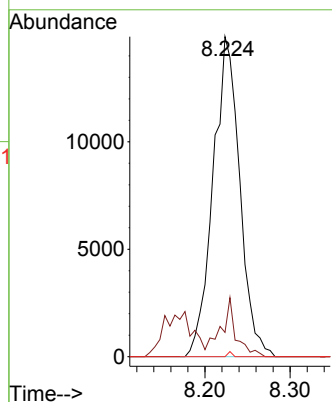
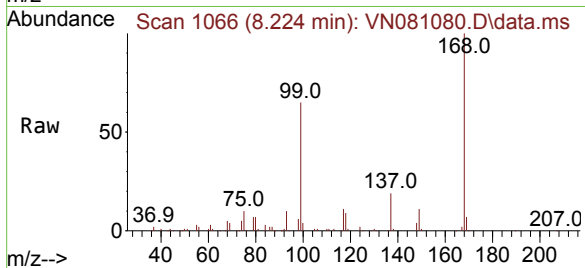
Tgt Ion: 75 Resp: 32414

Ion Ratio Lower Upper

75 100

110 10.5 16.0 48.0#

77 0.3 25.8 38.6#



#37

Ethyl Acetate

Concen: 1.342 ug/l

RT: 7.571 min Scan# 955

Delta R.T. 0.012 min

Lab File: VN081080.D

Acq: 19 Feb 2024 16:53

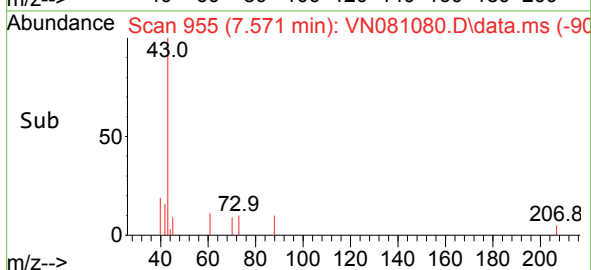
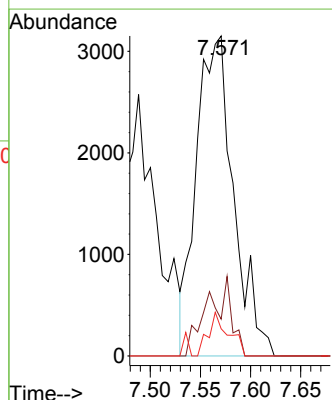
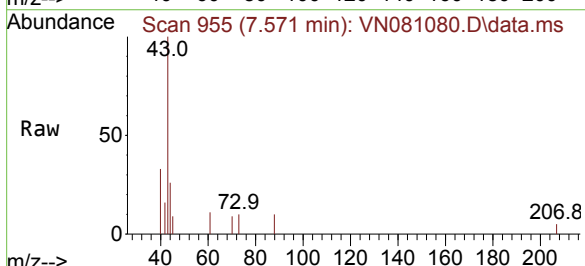
Tgt Ion: 43 Resp: 8138

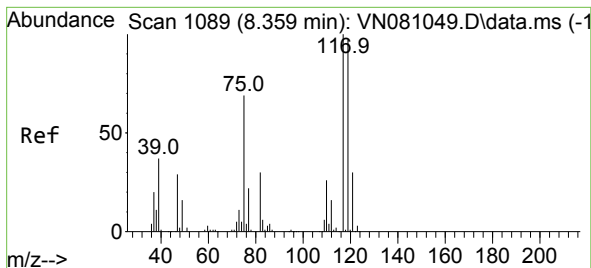
Ion Ratio Lower Upper

43 100

61 10.6 10.6 15.8#

70 7.4 8.0 12.0#





#38

Carbon Tetrachloride

Concen: 6.133 ug/l

RT: 8.224 min Scan# 110

Delta R.T. -0.136 min

Lab File: VN081080.D

Acq: 19 Feb 2024 16:53

Instrument :

MSVOA_N

ClientSampleId :

WC-2S

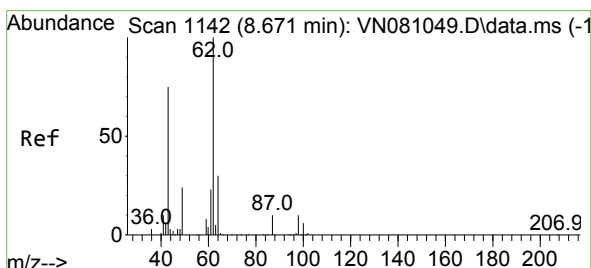
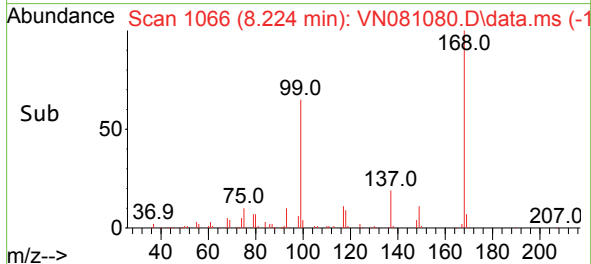
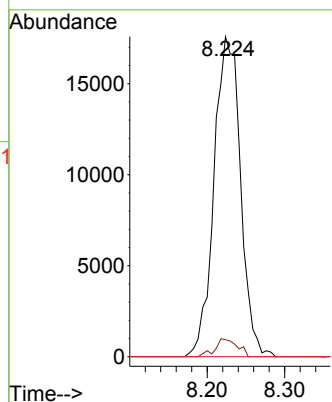
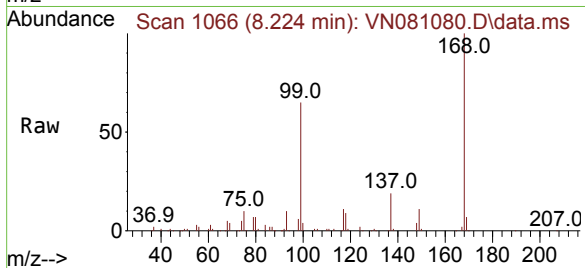
Tgt Ion:117 Resp: 41707

Ion Ratio Lower Upper

117 100

119 5.3 73.4 110.2#

121 0.0 24.4 36.6#



#42

1,2-Dichloroethane

Concen: 0.256 ug/l

RT: 8.688 min Scan# 1145

Delta R.T. 0.017 min

Lab File: VN081080.D

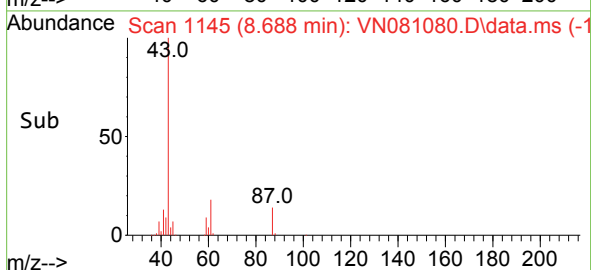
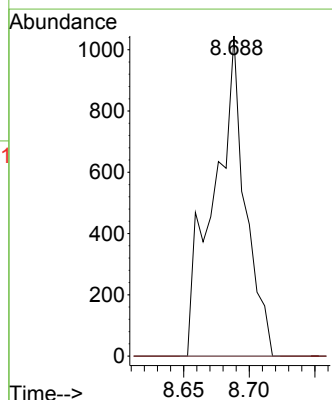
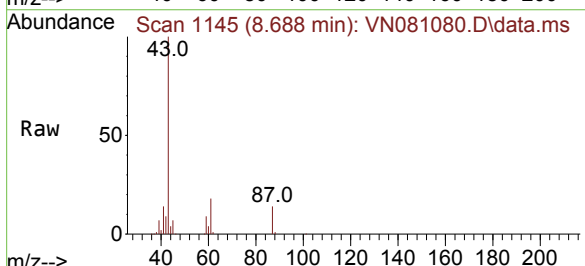
Acq: 19 Feb 2024 16:53

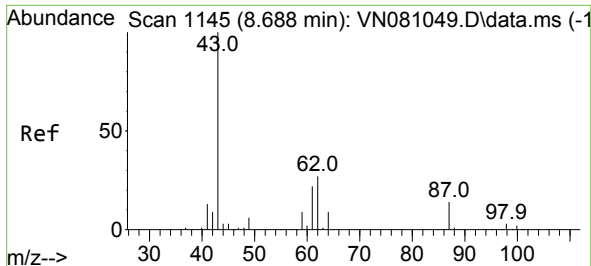
Tgt Ion: 62 Resp: 1740

Ion Ratio Lower Upper

62 100

98 0.0 0.0 18.0

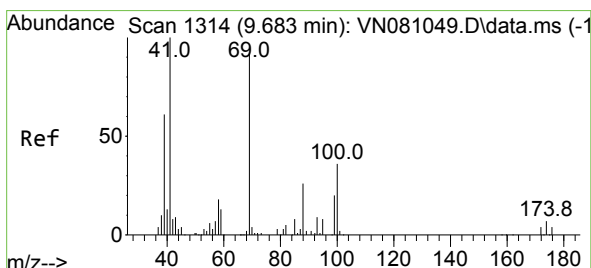
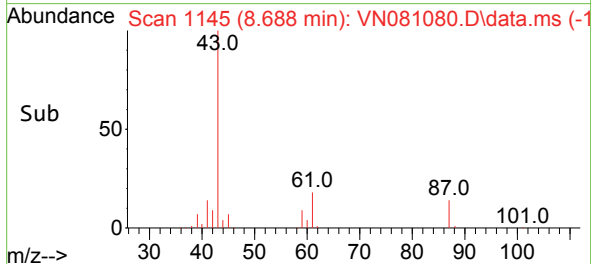
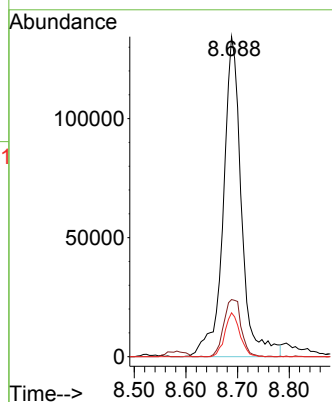
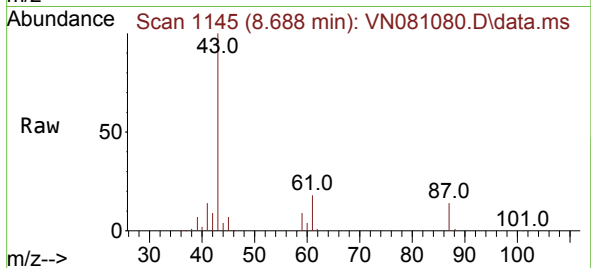




#43
Isopropyl Acetate
Concen: 30.975 ug/l
RT: 8.688 min Scan# 1145
Delta R.T. -0.000 min
Lab File: VN081080.D
Acq: 19 Feb 2024 16:53

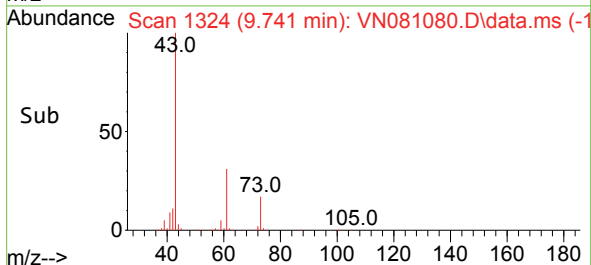
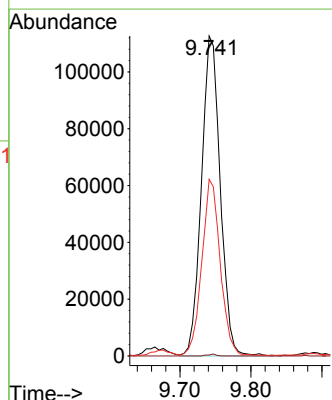
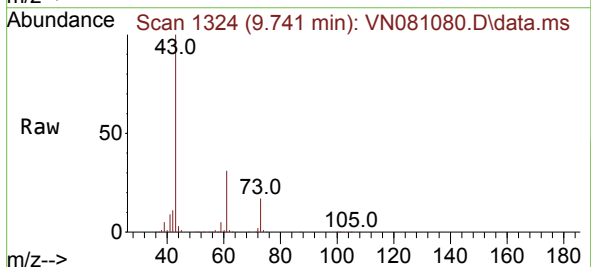
Instrument :
MSVOA_N
ClientSampleId :
WC-2S

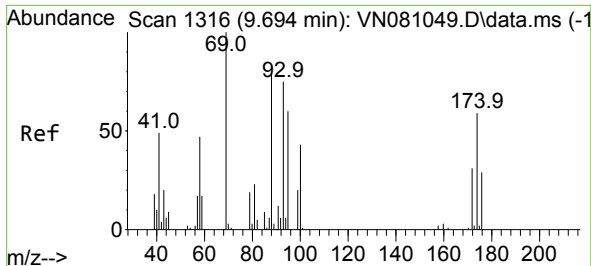
Tgt Ion: 43 Resp: 328610
Ion Ratio Lower Upper
43 100
61 17.1 19.9 29.9#
87 11.3 9.0 13.6



#48
Methyl methacrylate
Concen: 42.099 ug/l
RT: 9.741 min Scan# 1324
Delta R.T. 0.059 min
Lab File: VN081080.D
Acq: 19 Feb 2024 16:53

Tgt Ion: 41 Resp: 207817
Ion Ratio Lower Upper
41 100
69 0.2 62.2 93.2#
39 54.4 47.6 71.4





#49

1,4-Dioxane

Concen: Below Cal

RT: 9.694 min Scan# 1

Delta R.T. 0.000 min

Lab File: VN081080.D

Acq: 19 Feb 2024 16:53

Instrument :

MSVOA_N

ClientSampleId :

WC-2S

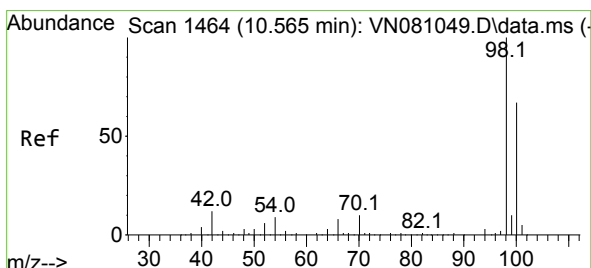
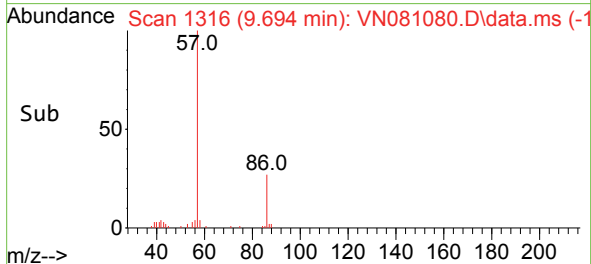
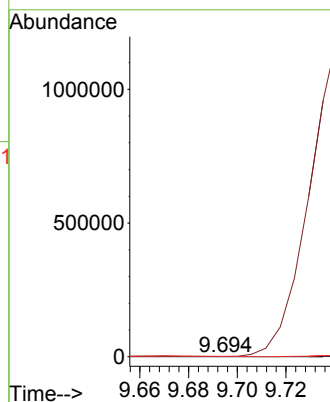
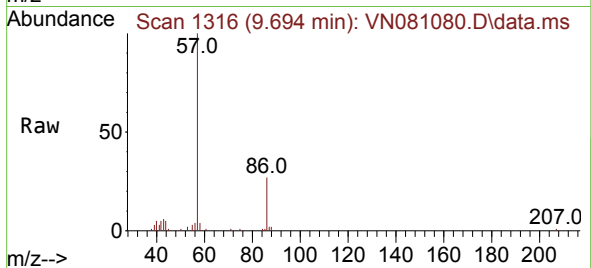
Tgt Ion: 88 Resp: 322

Ion Ratio Lower Upper

88 100

43 0.0 30.1 45.1#

58 0.0 63.9 95.9#



#50

Toluene-d8

Concen: 58.985 ug/l

RT: 10.570 min Scan# 1465

Delta R.T. 0.006 min

Lab File: VN081080.D

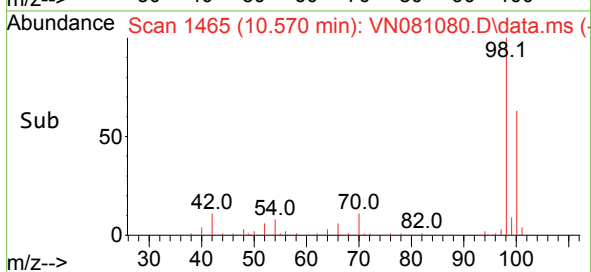
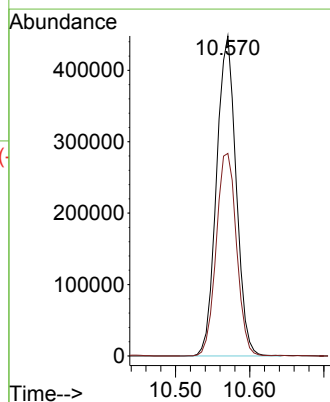
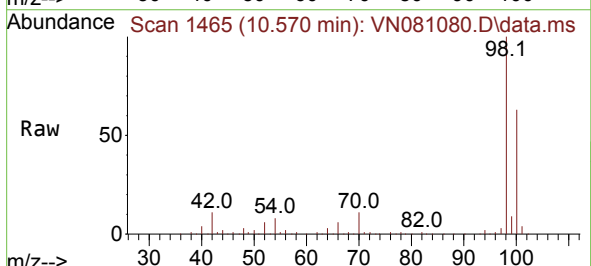
Acq: 19 Feb 2024 16:53

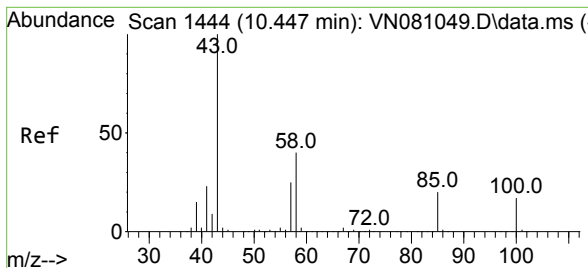
Tgt Ion: 98 Resp: 821894

Ion Ratio Lower Upper

98 100

100 65.7 51.4 77.0

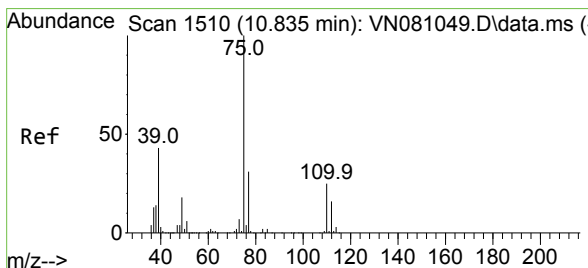
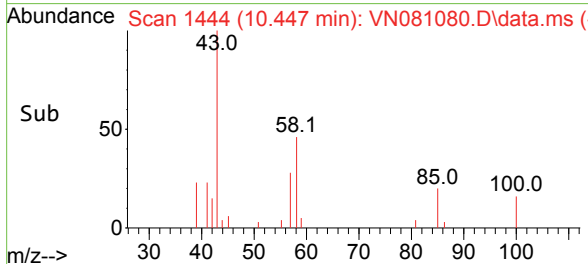
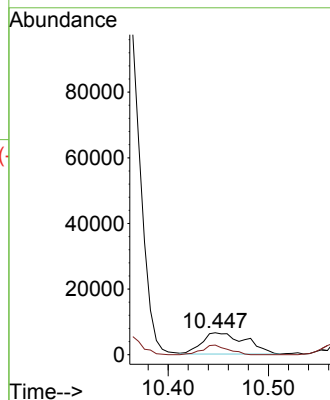
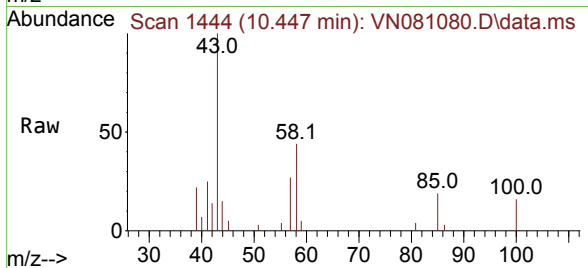




#51
4-Methyl-2-Pentanone
Concen: 3.263 ug/l
RT: 10.447 min Scan# 1444
Delta R.T. -0.000 min
Lab File: VN081080.D
Acq: 19 Feb 2024 16:53

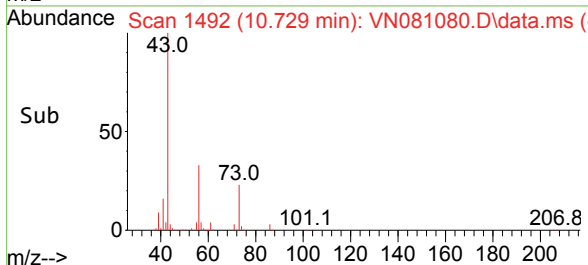
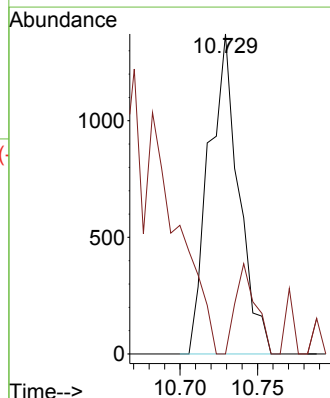
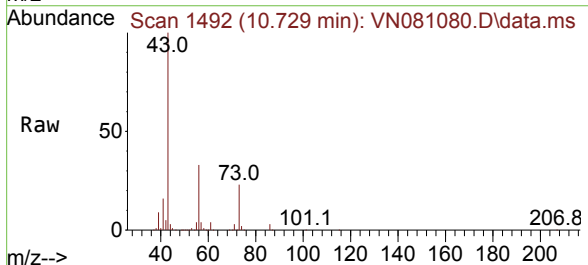
Instrument :
MSVOA_N
ClientSampleId :
WC-2S

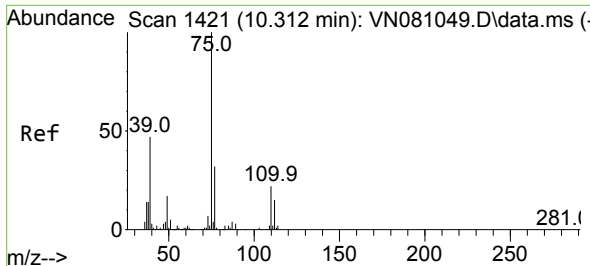
Tgt Ion: 43 Resp: 19912
Ion Ratio Lower Upper
43 100
58 26.2 29.4 44.0#



#53
t-1,3-Dichloropropene
Concen: 0.247 ug/l
RT: 10.729 min Scan# 1492
Delta R.T. -0.106 min
Lab File: VN081080.D
Acq: 19 Feb 2024 16:53

Tgt Ion: 75 Resp: 1841
Ion Ratio Lower Upper
75 100
77 0.0 25.5 38.3#

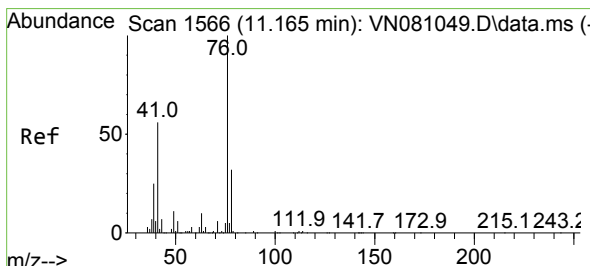
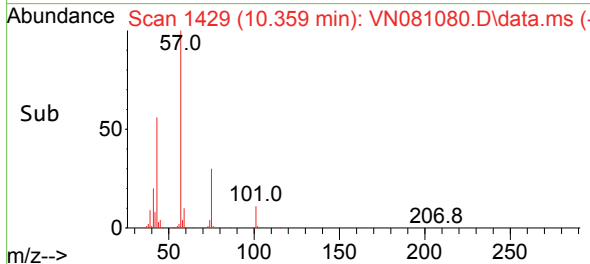
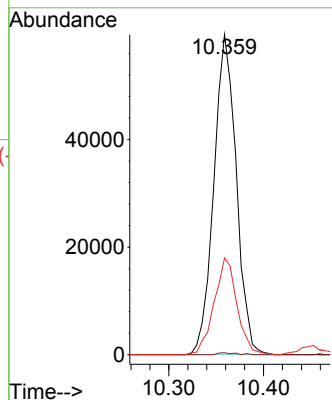
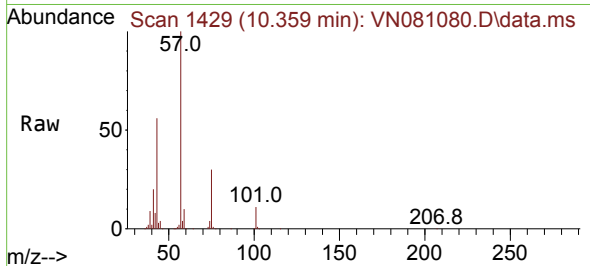




#54
cis-1,3-Dichloropropene
Concen: 12.122 ug/l
RT: 10.359 min Scan# 1429
Delta R.T. 0.047 min
Lab File: VN081080.D
Acq: 19 Feb 2024 16:53

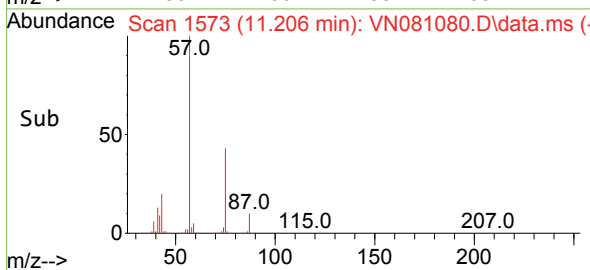
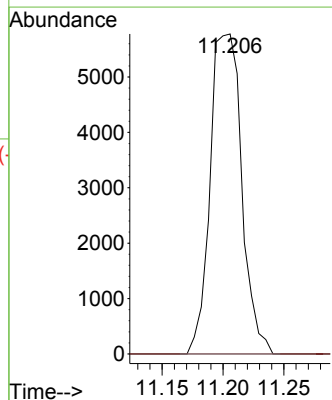
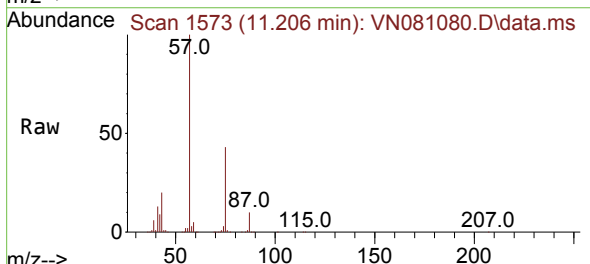
Instrument :
MSVOA_N
ClientSampleId :
WC-2S

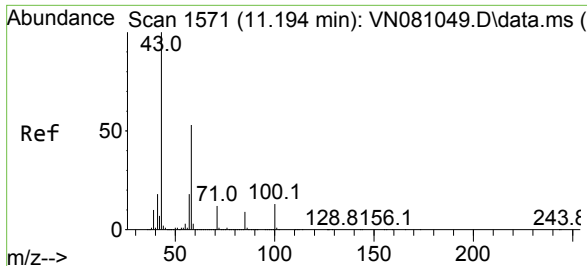
Tgt Ion:	75	Resp:	97735
Ion	Ratio	Lower	Upper
75	100		
77	0.6	23.3	34.9#
39	30.2	44.6	66.8#



#57
1,3-Dichloropropane
Concen: 1.270 ug/l
RT: 11.206 min Scan# 1573
Delta R.T. 0.041 min
Lab File: VN081080.D
Acq: 19 Feb 2024 16:53

Tgt Ion:	76	Resp:	10402
Ion	Ratio	Lower	Upper
76	100		
78	0.0	25.5	38.3#

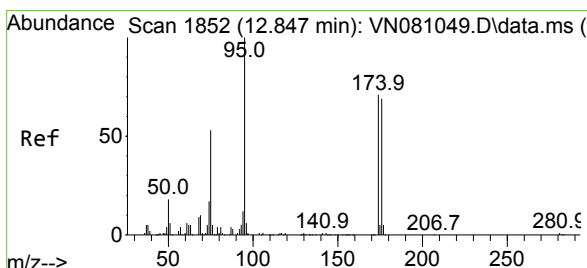
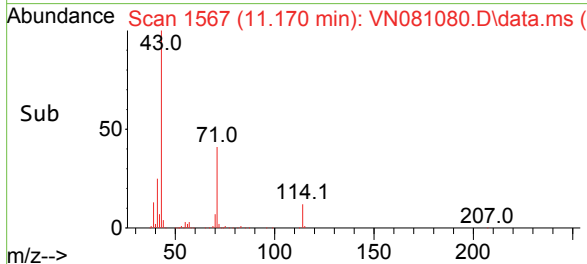
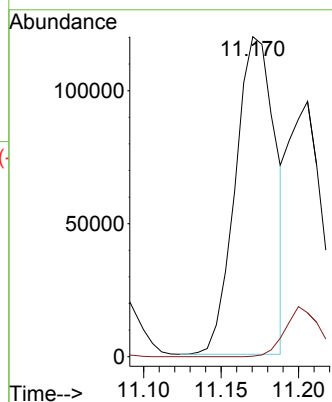
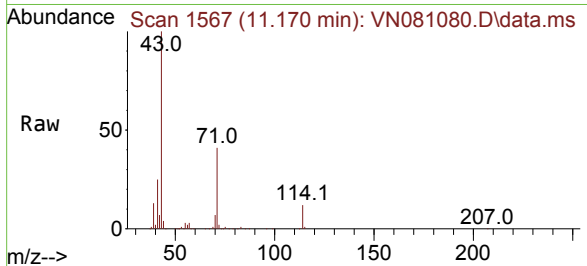




#59
2-Hexanone
Concen: 44.154 ug/l
RT: 11.170 min Scan# 111
Delta R.T. -0.024 min
Lab File: VN081080.D
Acq: 19 Feb 2024 16:53

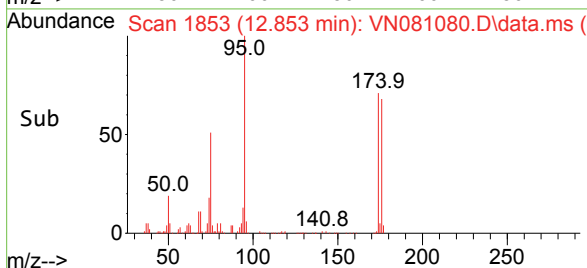
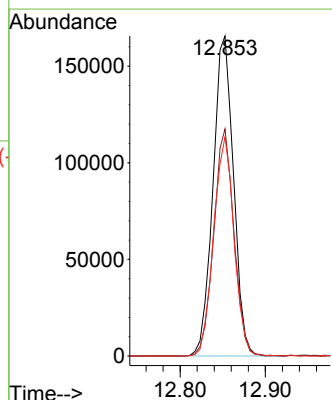
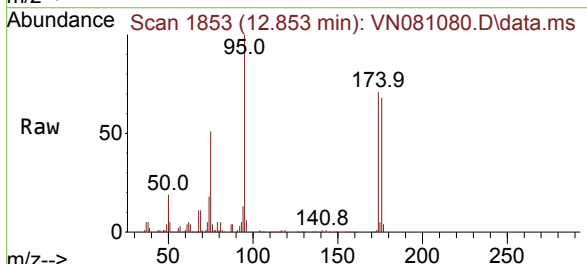
Instrument :
MSVOA_N
ClientSampleId :
WC-2S

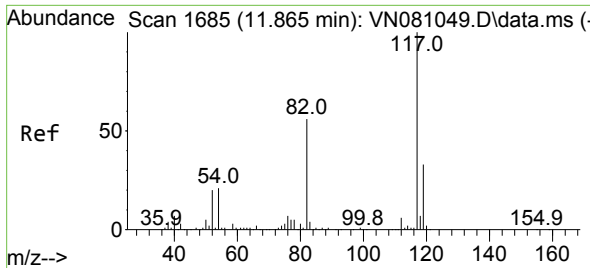
Tgt Ion: 43 Resp: 213630
Ion Ratio Lower Upper
43 100
58 0.0 25.9 77.8#



#62
4-Bromofluorobenzene
Concen: 52.837 ug/l
RT: 12.853 min Scan# 1853
Delta R.T. 0.006 min
Lab File: VN081080.D
Acq: 19 Feb 2024 16:53

Tgt Ion: 95 Resp: 276639
Ion Ratio Lower Upper
95 100
174 69.7 0.0 120.4
176 68.2 0.0 121.0

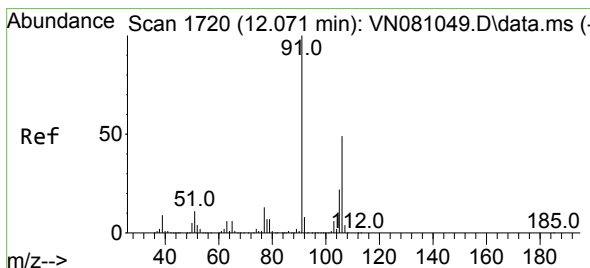
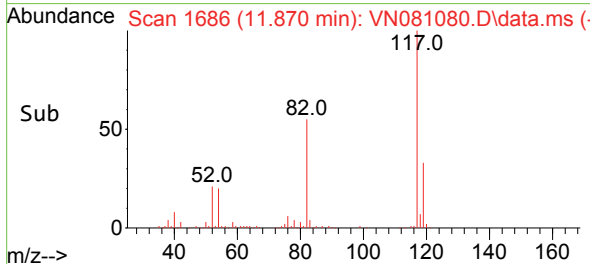
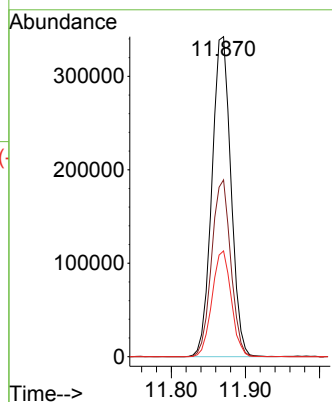
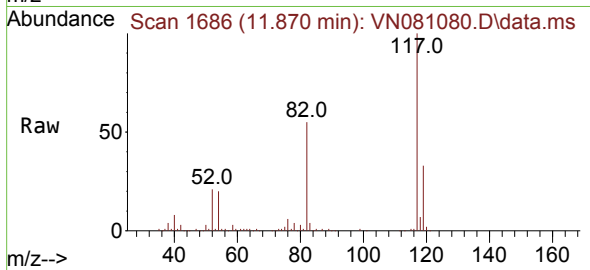




#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.870 min Scan# 1170
Delta R.T. 0.006 min
Lab File: VN081080.D
Acq: 19 Feb 2024 16:53

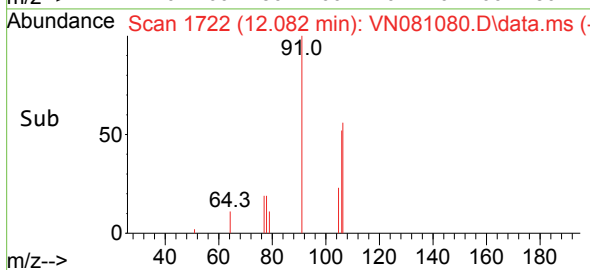
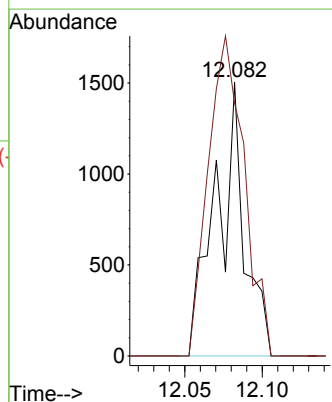
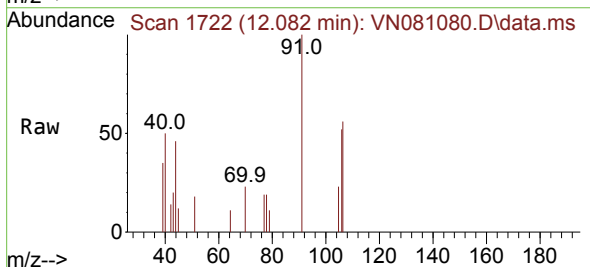
Instrument :
MSVOA_N
ClientSampleId :
WC-2S

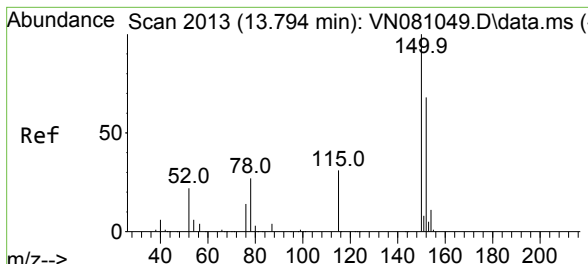
Tgt Ion:117 Resp: 610524
Ion Ratio Lower Upper
117 100
82 55.2 52.7 79.1
119 33.1 25.3 37.9



#68
m/p-Xylenes
Concen: 0.209 ug/l
RT: 12.082 min Scan# 1722
Delta R.T. 0.012 min
Lab File: VN081080.D
Acq: 19 Feb 2024 16:53

Tgt Ion:106 Resp: 1896
Ion Ratio Lower Upper
106 100
91 150.2 169.0 253.6#

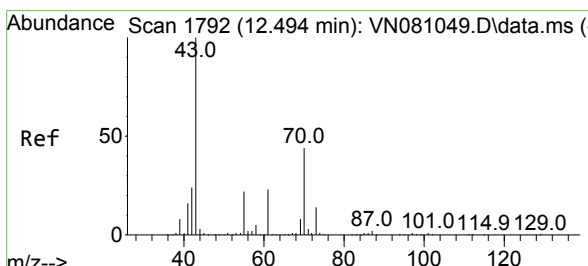
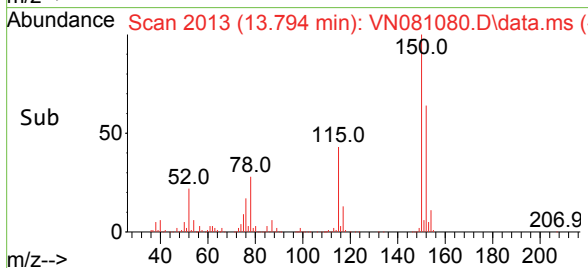
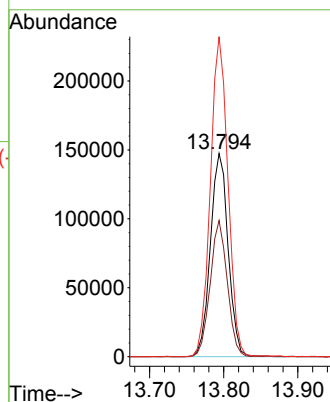
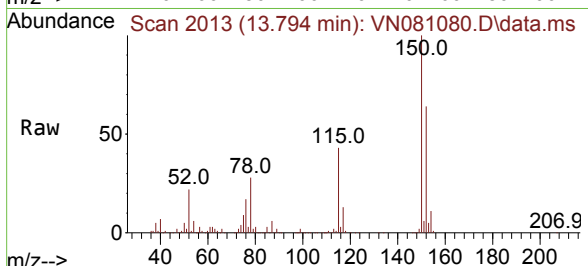




#72
 1,4-Dichlorobenzene-d4
 Concen: 50.000 ug/l
 RT: 13.794 min Scan# 2013
 Delta R.T. -0.000 min
 Lab File: VN081080.D
 Acq: 19 Feb 2024 16:53

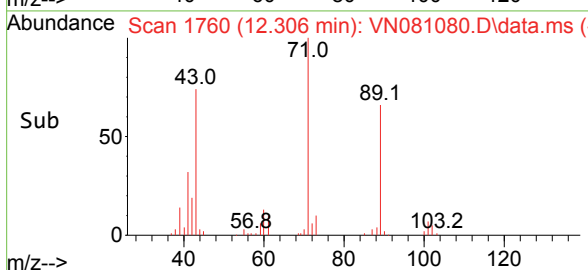
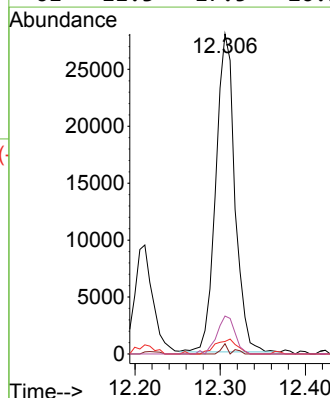
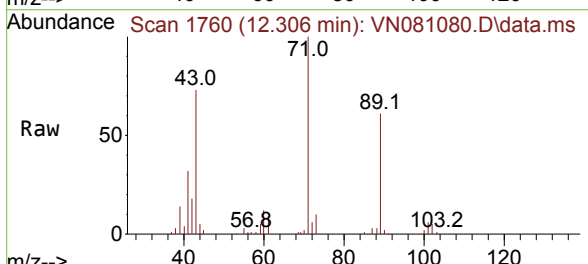
Instrument :
 MSVOA_N
 ClientSampleId :
 WC-2S

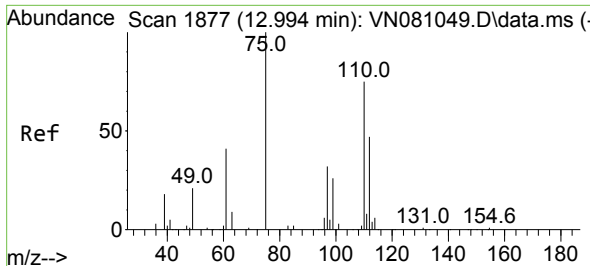
Tgt Ion:152 Resp: 244714
 Ion Ratio Lower Upper
 152 100
 115 64.6 32.3 96.8
 150 155.8 0.0 339.8



#74
 N-ethyl acetate
 Concen: 4.805 ug/l
 RT: 12.306 min Scan# 1760
 Delta R.T. -0.188 min
 Lab File: VN081080.D
 Acq: 19 Feb 2024 16:53

Tgt Ion: 43 Resp: 43476
 Ion Ratio Lower Upper
 43 100
 70 1.5 30.1 45.1#
 55 5.2 17.0 25.4#
 61 11.3 17.5 26.3#

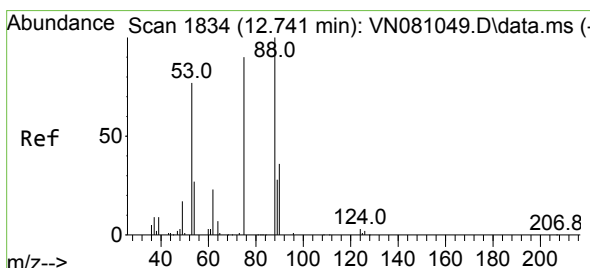
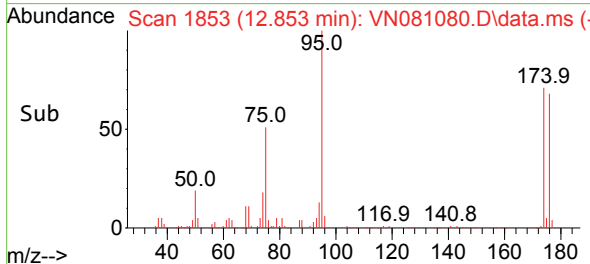
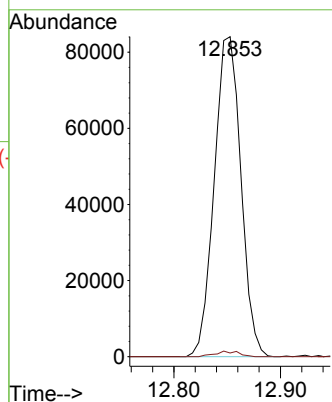
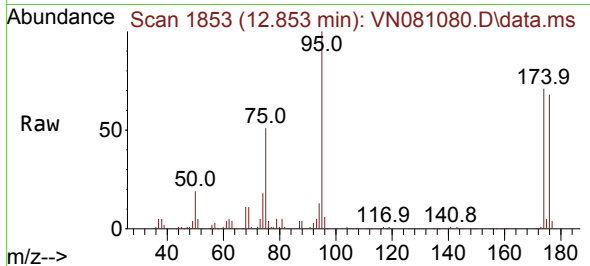




#76
1,2,3-Trichloropropane
Concen: 26.242 ug/l
RT: 12.853 min Scan# 1853
Delta R.T. -0.141 min
Lab File: VN081080.D
Acq: 19 Feb 2024 16:53

Instrument :
MSVOA_N
ClientSampleId :
WC-2S

Tgt Ion: 75 Resp: 145905
Ion Ratio Lower Upper
75 100
77 1.5 91.0 272.8#



#81
trans-1,4-Dichloro-2-butene
Concen: 67.544 ug/l
RT: 12.853 min Scan# 1853
Delta R.T. 0.112 min
Lab File: VN081080.D
Acq: 19 Feb 2024 16:53

Tgt Ion: 75 Resp: 145905
Ion Ratio Lower Upper
75 100
53 0.0 71.4 107.2#
89 0.1 33.4 50.0#

