

Data Path : Z:\voasrv\HPCHEM1\MSVOA_N\Data\VN021924\
 Data File : VN081081.D
 Acq On : 19 Feb 2024 17:17
 Operator : JC\MD
 Sample : P1505-16
 Misc : 5.0mL/MSVOA_N/WATER
 ALS Vial : 1 Sample Multiplier: 1

Instrument :
 MSVOA_N
 ClientSampleId :
 WC-2D

Quant Time: Feb 20 00:25:04 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)

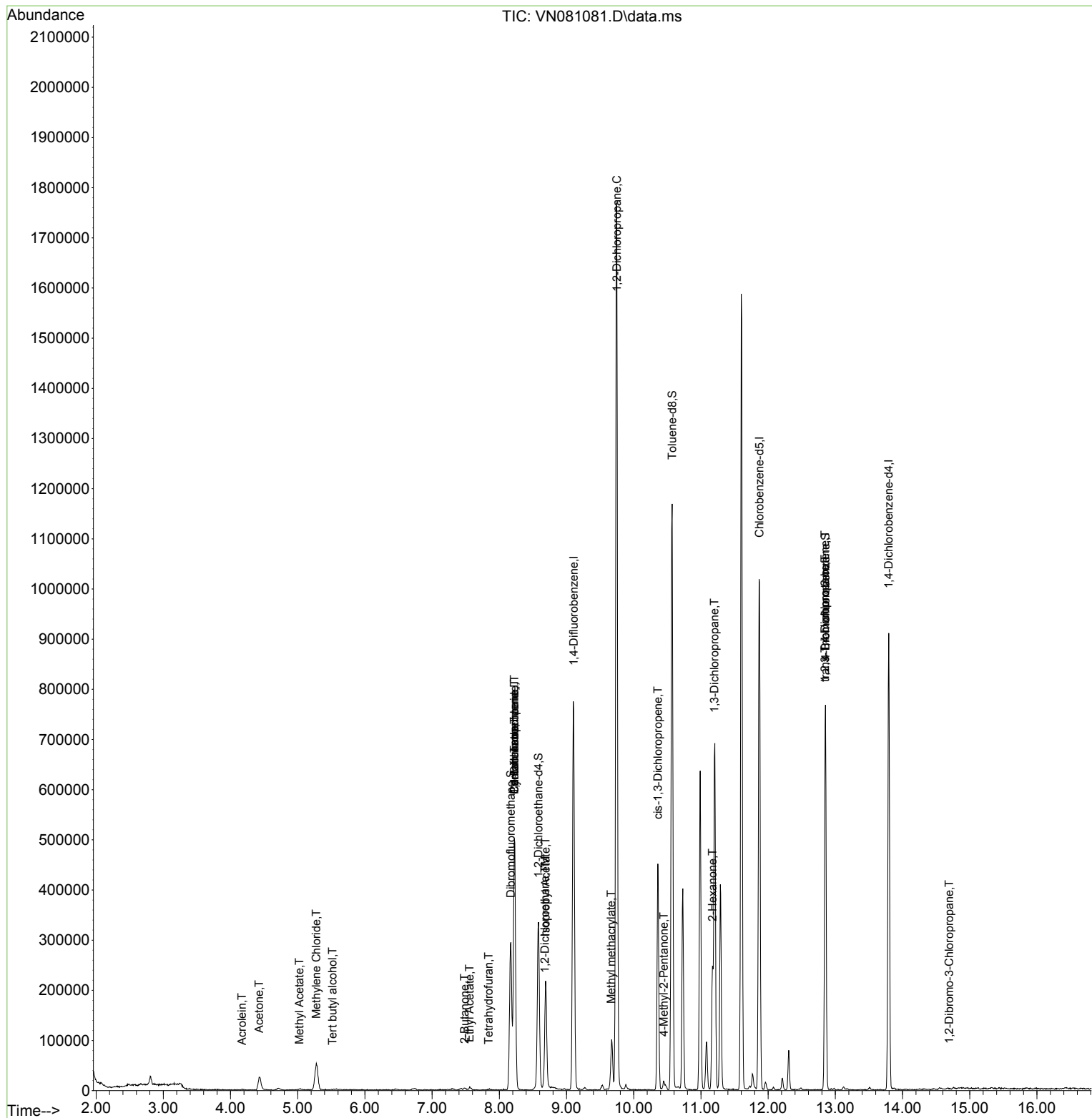
Internal Standards						
1) Pentafluorobenzene	8.224	168	348120	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	9.106	114	678873	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.871	117	603251	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.794	152	235410	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.583	65	264635	62.019	ug/l	0.00
Spiked Amount 50.000	Range 74 - 125		Recovery = 124.040%			
35) Dibromofluoromethane	8.171	113	211128	54.998	ug/l	0.00
Spiked Amount 50.000	Range 75 - 124		Recovery = 110.000%			
50) Toluene-d8	10.571	98	803495	58.931	ug/l	0.00
Spiked Amount 50.000	Range 86 - 113		Recovery = 117.860%#			
62) 4-Bromofluorobenzene	12.853	95	268661	52.440	ug/l	0.00
Spiked Amount 50.000	Range 83 - 123		Recovery = 104.880%			
Target Compounds						
					Qvalue	
3) Chloromethane	2.365	50	1440	Below Cal	#	74
6) Chloroethane	3.124	64	383	Below Cal	#	42
11) Tert butyl alcohol	5.518	59	495	0.631	ug/l #	72
13) Acrolein	4.171	56	1072	2.549	ug/l #	58
16) Acetone	4.424	43	48930	29.143	ug/l	99
18) Methyl Acetate	5.024	43	2025	0.494	ug/l #	69
20) Methylene Chloride	5.277	84	41083	8.691	ug/l	84
25) 2-Butanone	7.483	43	2952	1.088	ug/l #	62
29) Tetrahydrofuran	7.841	42	1483	0.819	ug/l #	43
31) Cyclohexane	8.224	56	8465	1.149	ug/l #	1
36) 1,1-Dichloropropene	8.224	75	31274	4.755	ug/l #	51
37) Ethyl Acetate	7.559	43	5525	0.931	ug/l #	94
38) Carbon Tetrachloride	8.224	117	41293	6.206	ug/l #	16
42) 1,2-Dichloroethane	8.677	62	1377	0.207	ug/l #	75
43) Isopropyl Acetate	8.688	43	251110	24.190	ug/l #	91
45) 1,2-Dichloropropane	9.747	63	2496	0.524	ug/l #	42
48) Methyl methacrylate	9.665	41	6778	1.403	ug/l #	16
49) 1,4-Dioxane	9.694	88	142	Below Cal	#	18
51) 4-Methyl-2-Pentanone	10.447	43	9957	1.667	ug/l	92
54) cis-1,3-Dichloropropene	10.359	75	84604	10.724	ug/l #	60
57) 1,3-Dichloropropane	11.200	76	6945	0.867	ug/l #	43
59) 2-Hexanone	11.171	43	206374	43.591	ug/l #	26
76) 1,2,3-Trichloropropane	12.847	75	141156	26.391	ug/l #	1
81) trans-1,4-Dichloro-2-b...	12.847	75	141156	67.928	ug/l #	14
92) 1,2-Dibromo-3-Chloropr...	14.694	75	322	0.267	ug/l #	13

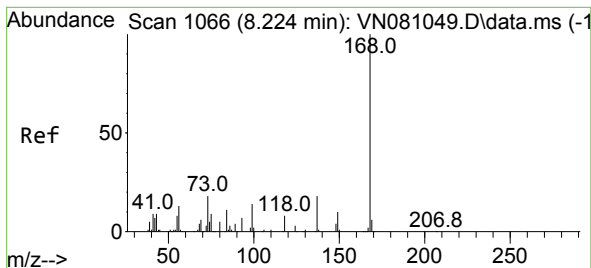
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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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: 8.224 min Scan# 1066

Delta R.T. -0.000 min

Lab File: VN081081.D

Acq: 19 Feb 2024 17:17

Instrument :

MSVOA_N

ClientSampleId :

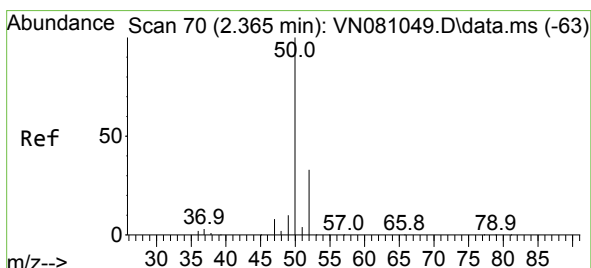
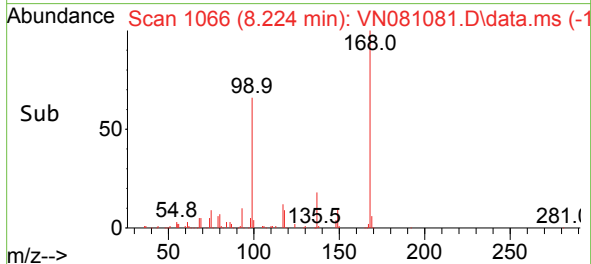
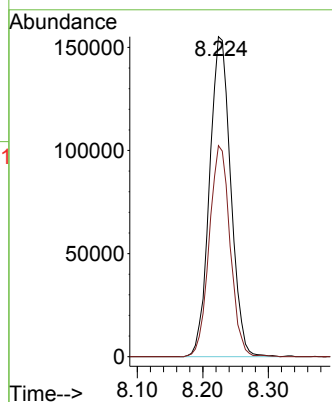
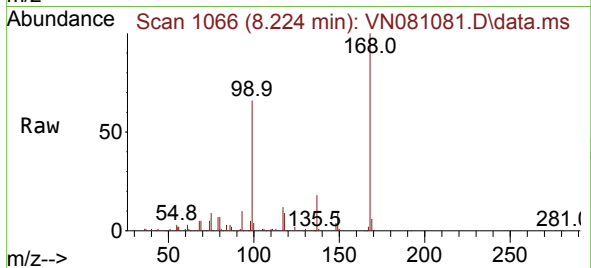
WC-2D

Tgt Ion:168 Resp: 348120

Ion Ratio Lower Upper

168 100

99 65.9 59.9 89.9



#3

Chloromethane

Concen: Below Cal

RT: 2.365 min Scan# 70

Delta R.T. 0.000 min

Lab File: VN081081.D

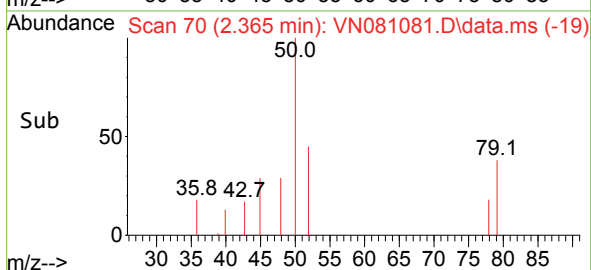
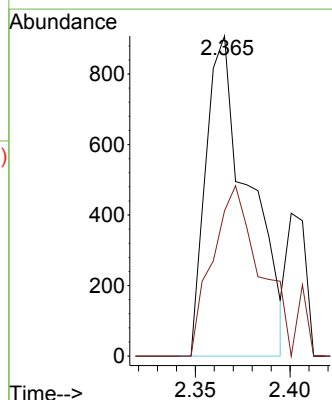
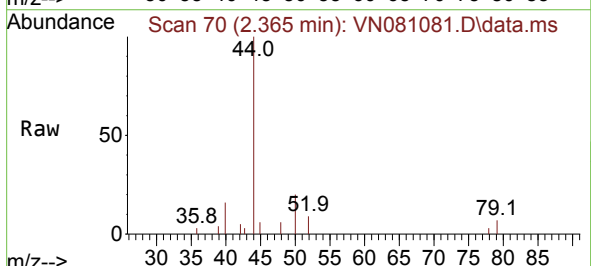
Acq: 19 Feb 2024 17:17

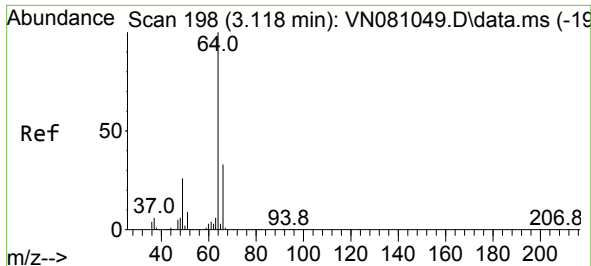
Tgt Ion: 50 Resp: 1440

Ion Ratio Lower Upper

50 100

52 45.4 25.0 37.4#

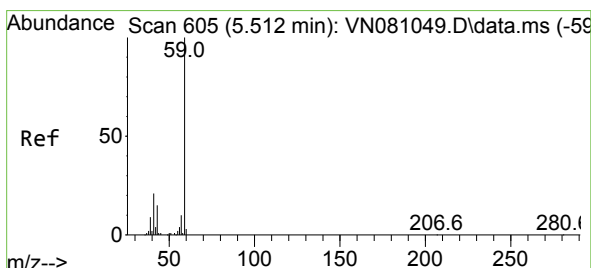
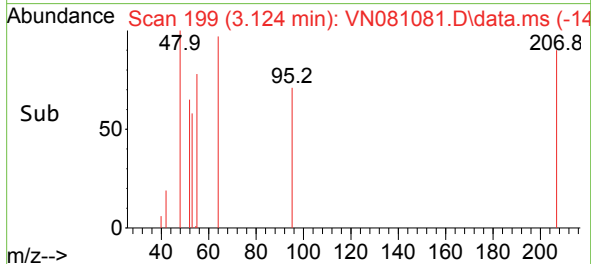
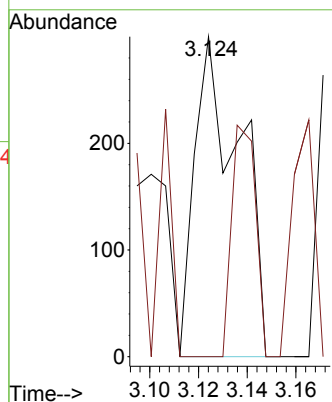
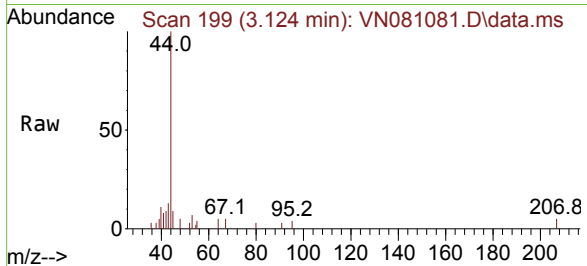




#6
Chloroethane
Concen: Below Cal
RT: 3.124 min Scan# 198
Delta R.T. 0.006 min
Lab File: VN081081.D
Acq: 19 Feb 2024 17:17

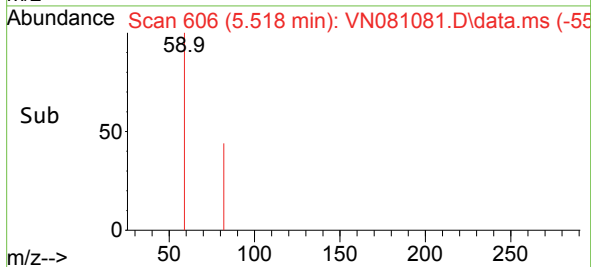
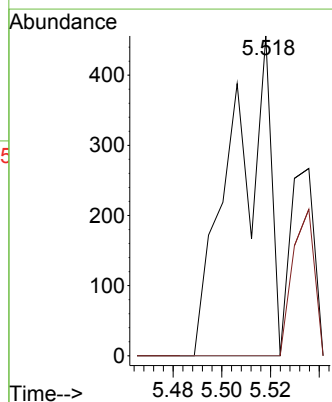
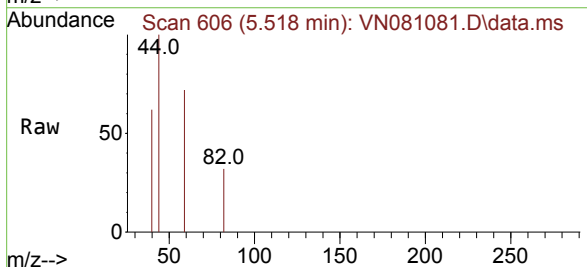
Instrument :
MSVOA_N
ClientSampleId :
WC-2D

Tgt Ion: 64 Resp: 383
Ion Ratio Lower Upper
64 100
66 0.0 26.4 39.6#



#11
Tert butyl alcohol
Concen: 0.631 ug/l
RT: 5.518 min Scan# 606
Delta R.T. 0.006 min
Lab File: VN081081.D
Acq: 19 Feb 2024 17:17

Tgt Ion: 59 Resp: 495
Ion Ratio Lower Upper
59 100
57 0.0 8.6 12.8#

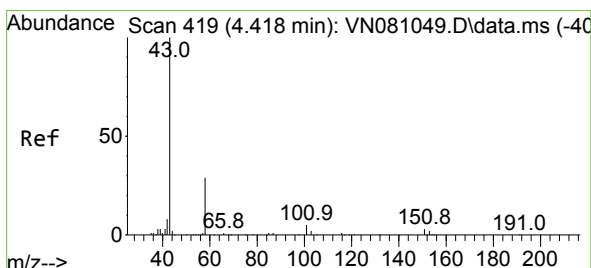
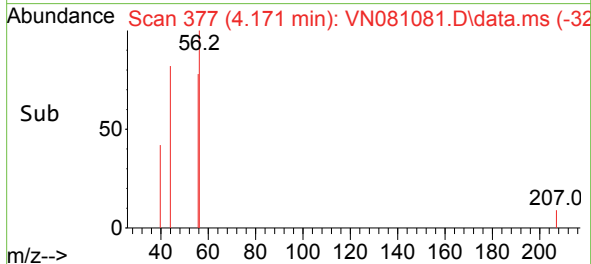
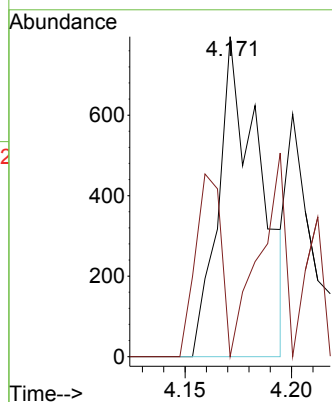
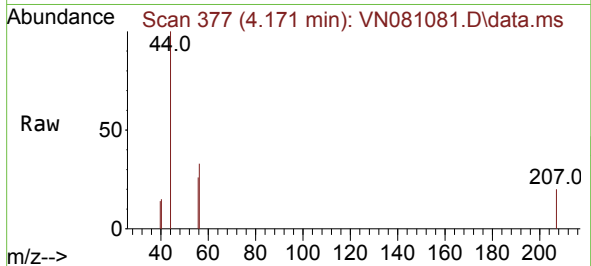




#13
Acrolein
Concen: 2.549 ug/l
RT: 4.171 min Scan# 31
Delta R.T. -0.006 min
Lab File: VN081081.D
Acq: 19 Feb 2024 17:17

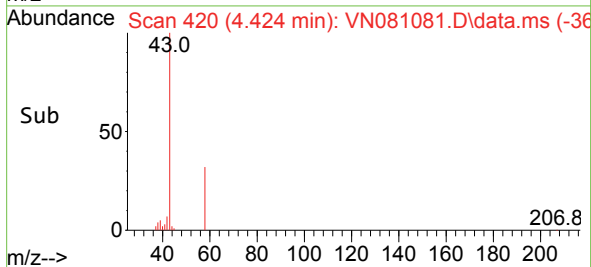
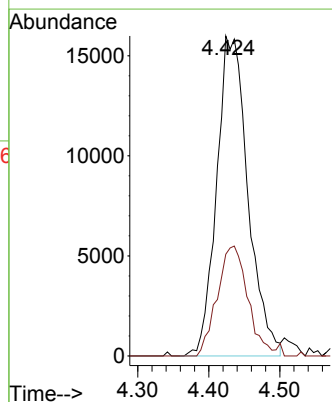
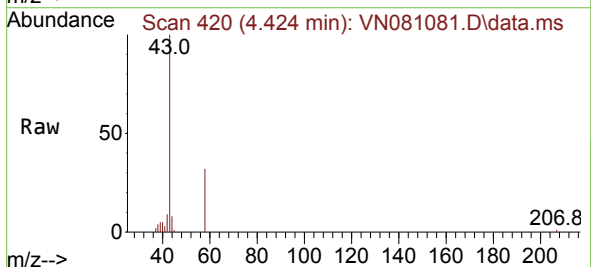
Instrument :
MSVOA_N
ClientSampleId :
WC-2D

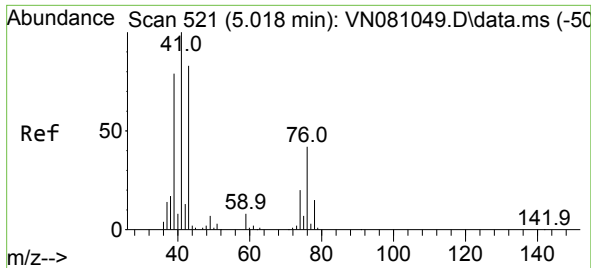
Tgt Ion: 56 Resp: 1072
Ion Ratio Lower Upper
56 100
55 35.2 55.3 82.9#



#16
Acetone
Concen: 29.143 ug/l
RT: 4.424 min Scan# 420
Delta R.T. 0.006 min
Lab File: VN081081.D
Acq: 19 Feb 2024 17:17

Tgt Ion: 43 Resp: 48930
Ion Ratio Lower Upper
43 100
58 31.8 24.8 37.2

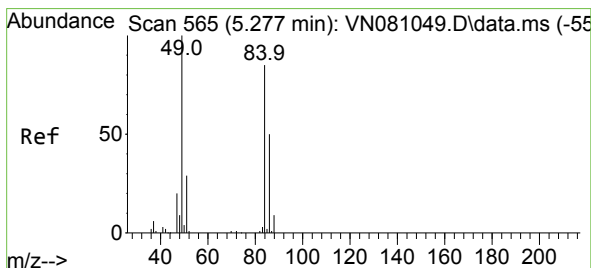
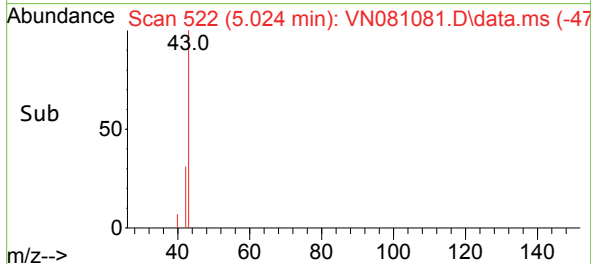
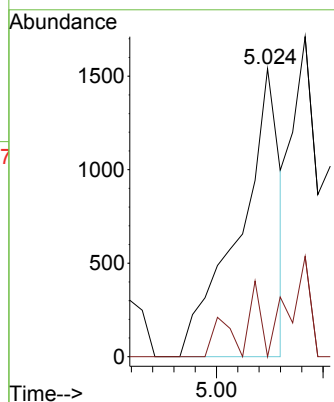
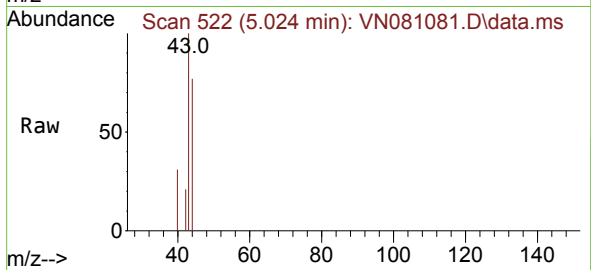




#18
Methyl Acetate
Concen: 0.494 ug/l
RT: 5.024 min Scan# 51
Delta R.T. 0.006 min
Lab File: VN081081.D
Acq: 19 Feb 2024 17:17

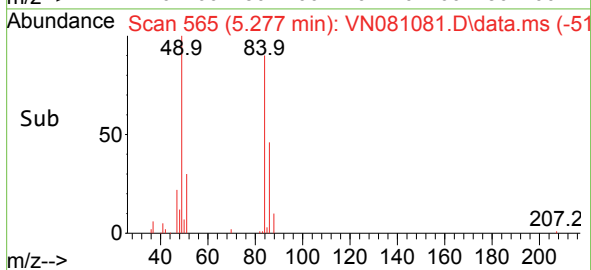
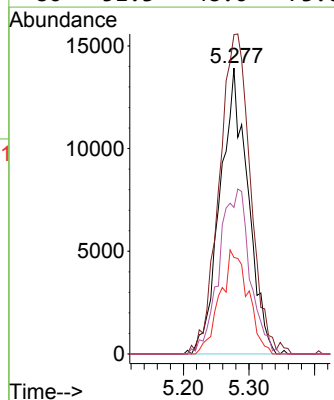
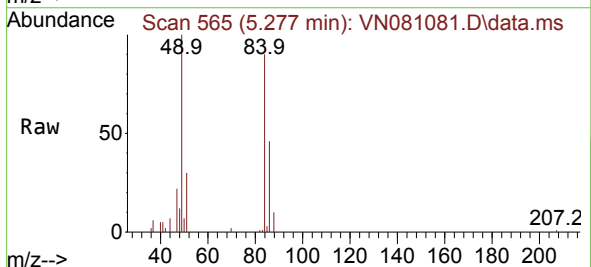
Instrument :
MSVOA_N
ClientSampleId :
WC-2D

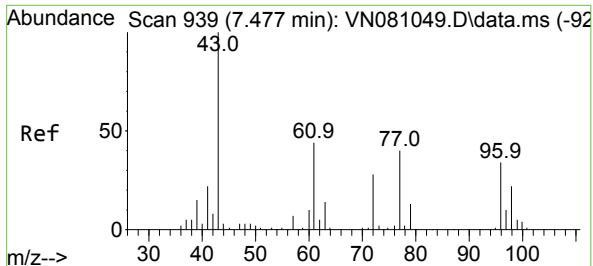
Tgt Ion: 43 Resp: 2025
Ion Ratio Lower Upper
43 100
74 7.1 17.3 25.9#



#20
Methylene Chloride
Concen: 8.691 ug/l
RT: 5.277 min Scan# 565
Delta R.T. -0.000 min
Lab File: VN081081.D
Acq: 19 Feb 2024 17:17

Tgt Ion: 84 Resp: 41083
Ion Ratio Lower Upper
84 100
49 111.7 108.1 162.1
51 33.8 32.9 49.3
86 51.3 48.6 73.0





#25

2-Butanone

Concen: 1.088 ug/l

RT: 7.483 min Scan# 940

Delta R.T. 0.006 min

Lab File: VN081081.D

Acq: 19 Feb 2024 17:17

Instrument :

MSVOA_N

ClientSampleId :

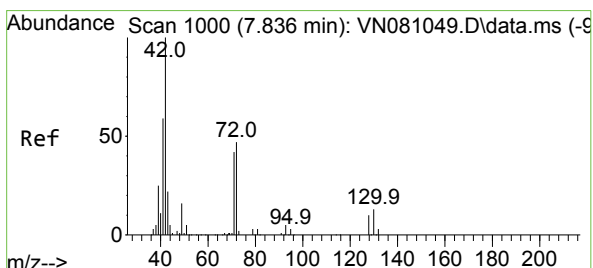
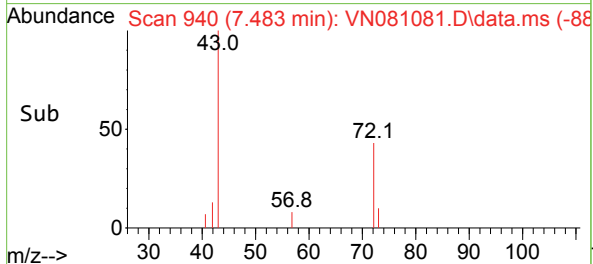
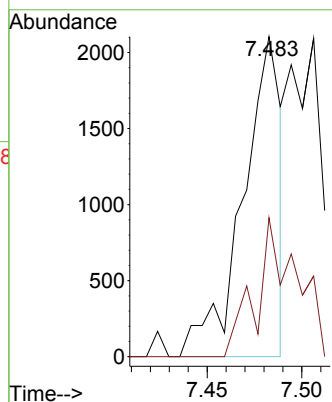
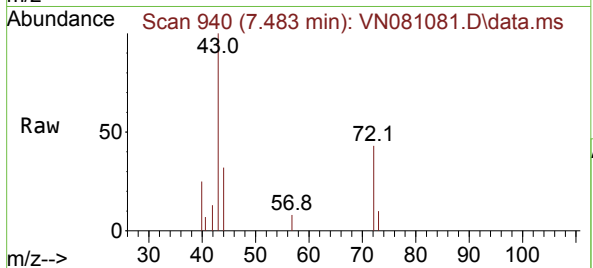
WC-2D

Tgt Ion: 43 Resp: 2952

Ion Ratio Lower Upper

43 100

72 43.4 19.5 29.3#



#29

Tetrahydrofuran

Concen: 0.819 ug/l

RT: 7.841 min Scan# 1001

Delta R.T. 0.006 min

Lab File: VN081081.D

Acq: 19 Feb 2024 17:17

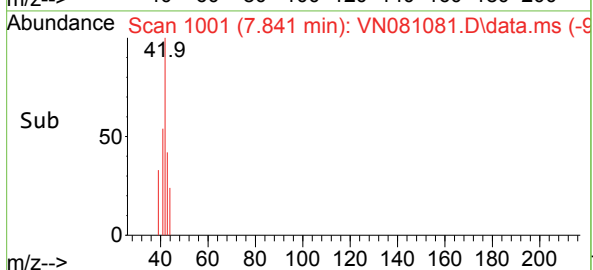
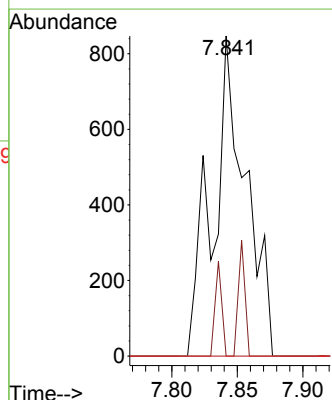
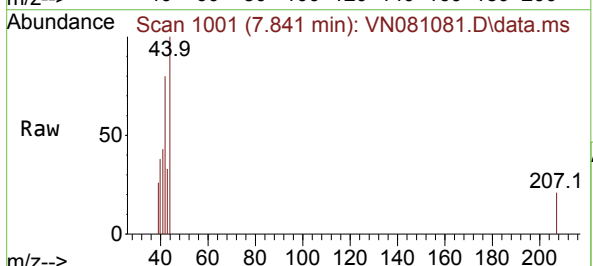
Tgt Ion: 42 Resp: 1483

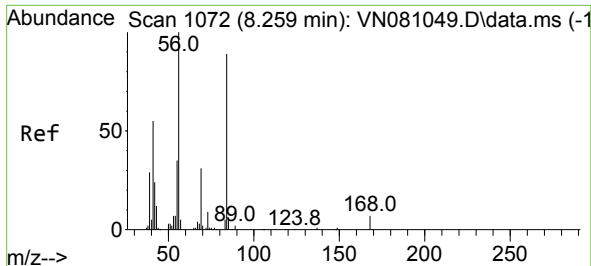
Ion Ratio Lower Upper

42 100

72 6.0 31.1 46.7#

71 0.0 28.3 42.5#

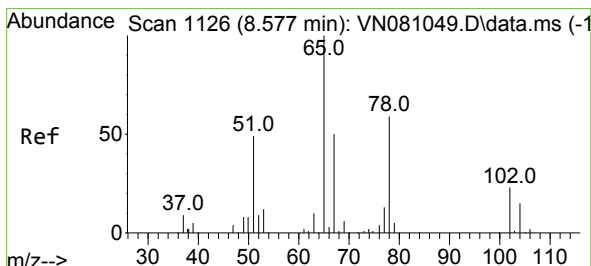
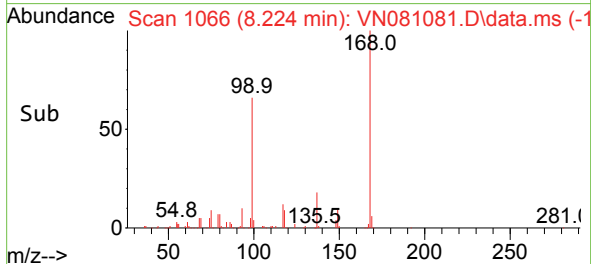
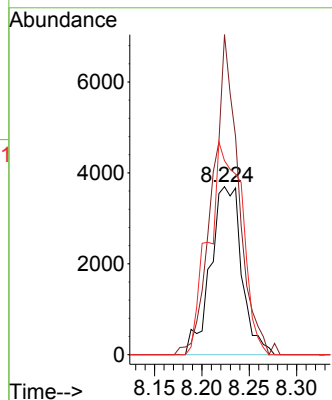
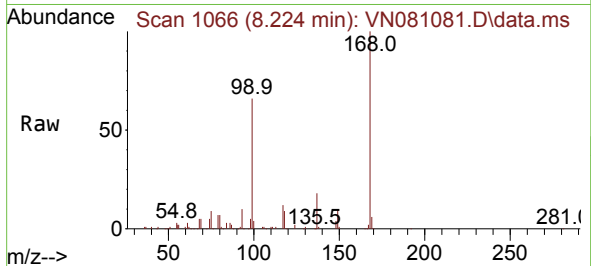




#31
Cyclohexane
Concen: 1.149 ug/l
RT: 8.224 min Scan# 1066
Delta R.T. -0.035 min
Lab File: VN081081.D
Acq: 19 Feb 2024 17:17

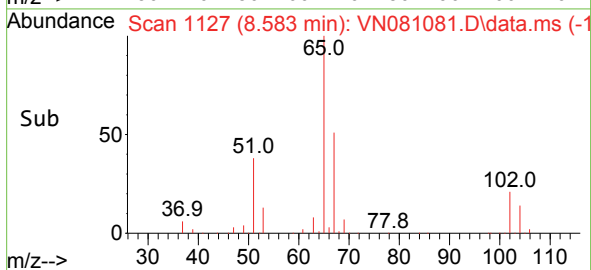
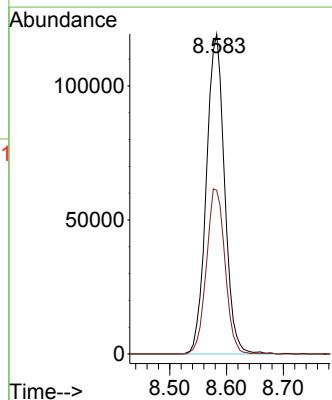
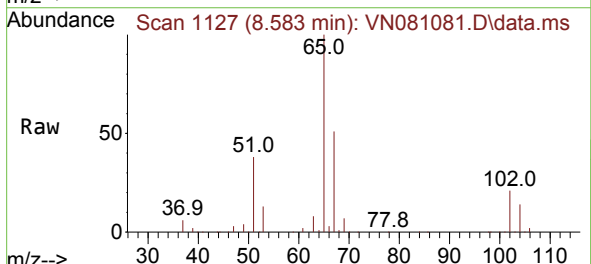
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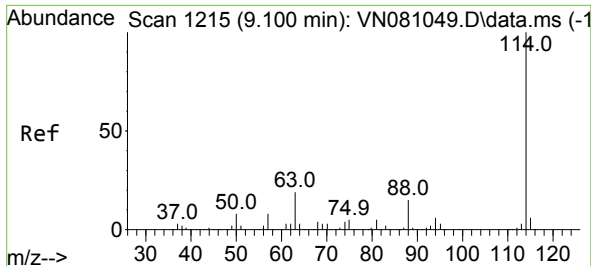
Tgt Ion: 56 Resp: 8465
Ion Ratio Lower Upper
56 100
69 190.4 20.1 30.1#
84 115.4 56.9 85.3#



#33
1,2-Dichloroethane-d4
Concen: 62.019 ug/l
RT: 8.583 min Scan# 1127
Delta R.T. 0.006 min
Lab File: VN081081.D
Acq: 19 Feb 2024 17:17

Tgt Ion: 65 Resp: 264635
Ion Ratio Lower Upper
65 100
67 52.9 0.0 102.4

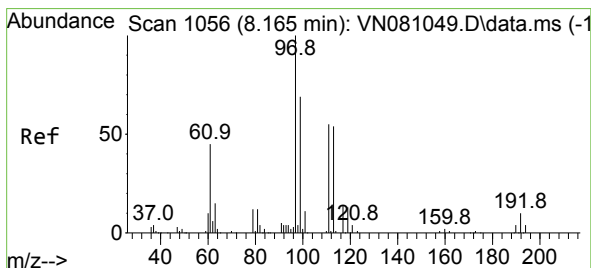
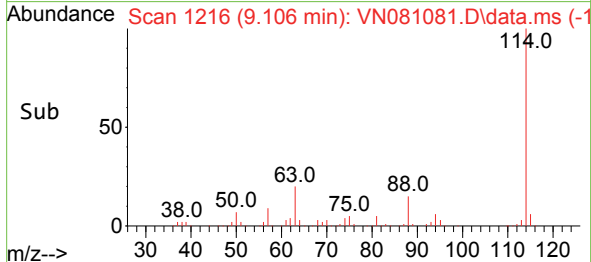
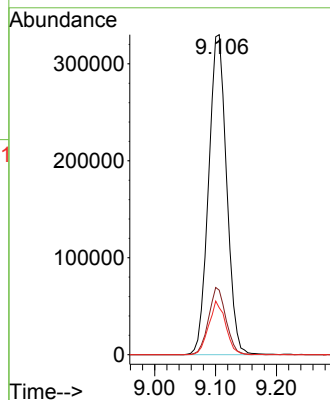
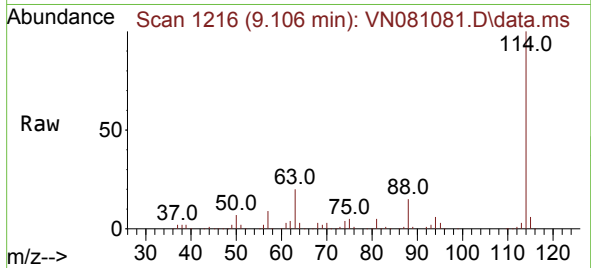




#34
1,4-Difluorobenzene
Concen: 50.000 ug/l
RT: 9.106 min Scan# 11
Delta R.T. 0.006 min
Lab File: VN081081.D
Acq: 19 Feb 2024 17:17

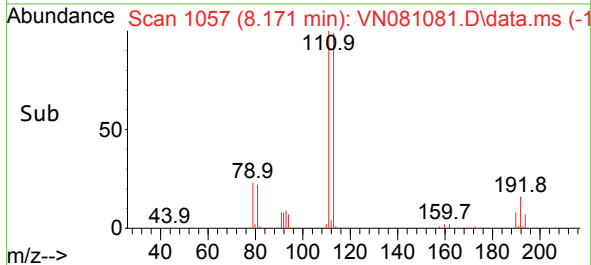
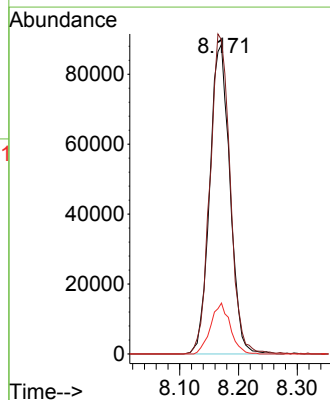
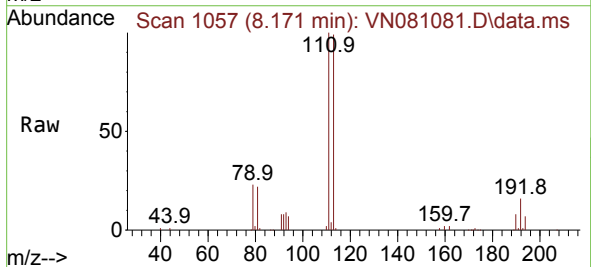
Instrument :
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WC-2D

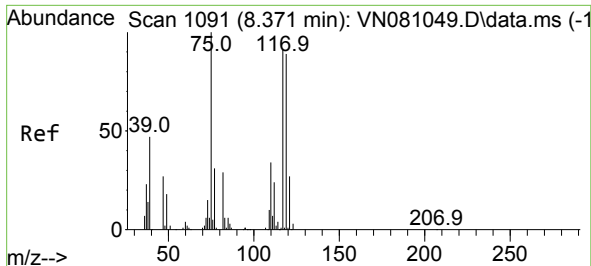
Tgt Ion:114 Resp: 678873
Ion Ratio Lower Upper
114 100
63 20.1 0.0 48.0
88 14.6 0.0 34.8



#35
Dibromofluoromethane
Concen: 54.998 ug/l
RT: 8.171 min Scan# 1057
Delta R.T. 0.006 min
Lab File: VN081081.D
Acq: 19 Feb 2024 17:17

Tgt Ion:113 Resp: 211128
Ion Ratio Lower Upper
113 100
111 103.4 82.2 123.4
192 15.9 12.5 18.7

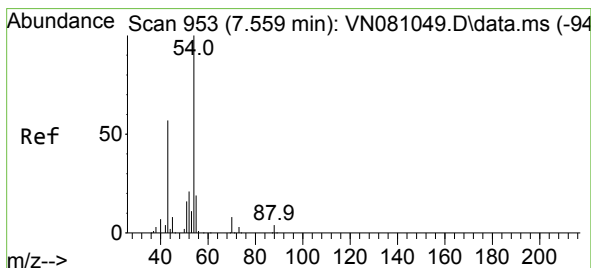
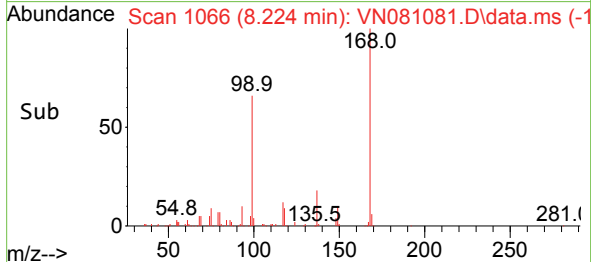
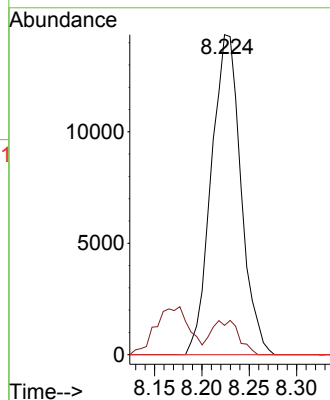
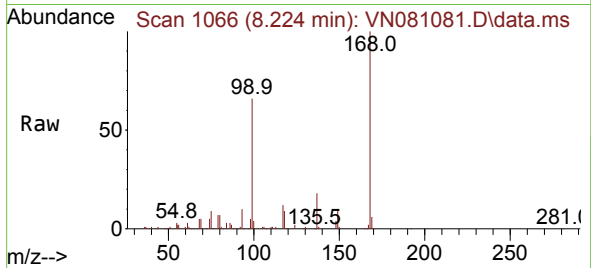




#36
1,1-Dichloropropene
Concen: 4.755 ug/l
RT: 8.224 min Scan# 1066
Delta R.T. -0.147 min
Lab File: VN081081.D
Acq: 19 Feb 2024 17:17

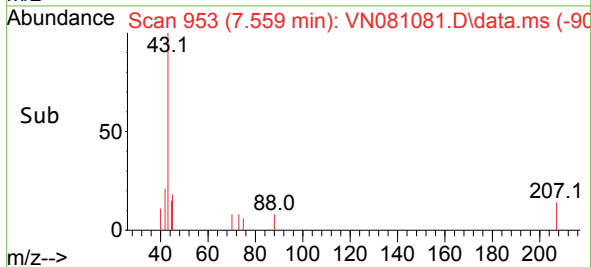
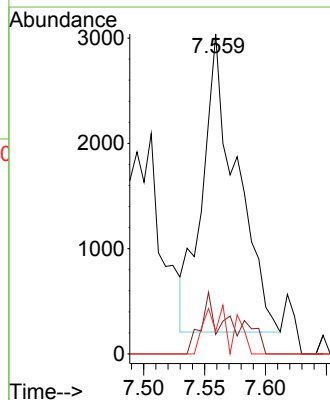
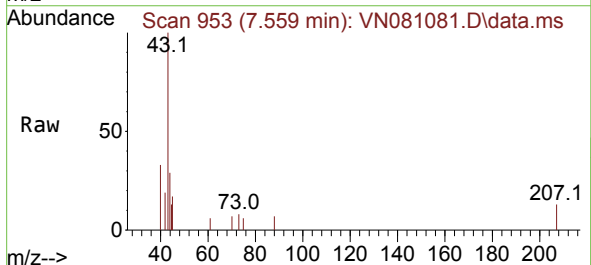
Instrument :
MSVOA_N
ClientSampleId :
WC-2D

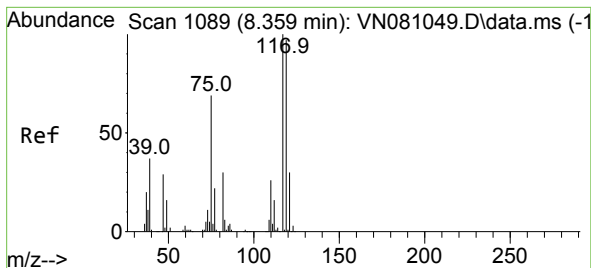
Tgt Ion: 75 Resp: 31274
Ion Ratio Lower Upper
75 100
110 10.0 16.0 48.0#
77 0.0 25.8 38.6#



#37
Ethyl Acetate
Concen: 0.931 ug/l
RT: 7.559 min Scan# 953
Delta R.T. 0.000 min
Lab File: VN081081.D
Acq: 19 Feb 2024 17:17

Tgt Ion: 43 Resp: 5525
Ion Ratio Lower Upper
43 100
61 9.8 10.6 15.8#
70 8.7 8.0 12.0





#38

Carbon Tetrachloride

Concen: 6.206 ug/l

RT: 8.224 min Scan# 1066

Delta R.T. -0.135 min

Lab File: VN081081.D

Acq: 19 Feb 2024 17:17

Instrument :

MSVOA_N

ClientSampleId :

WC-2D

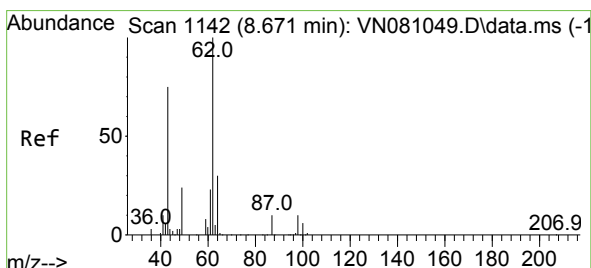
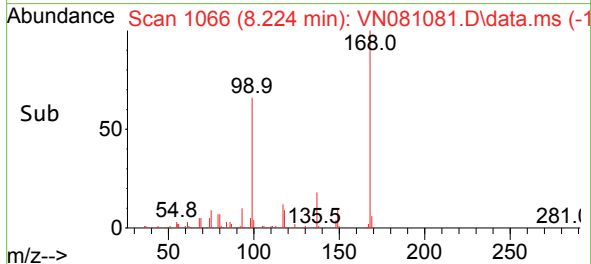
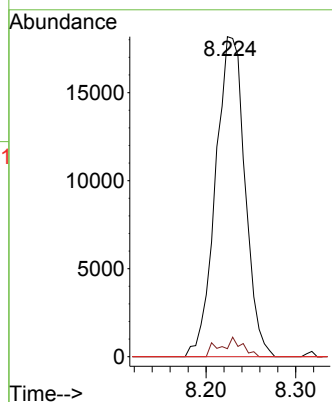
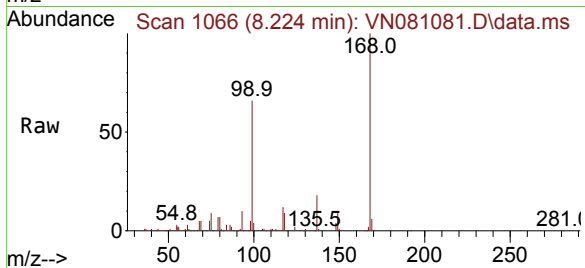
Tgt Ion:117 Resp: 41293

Ion Ratio Lower Upper

117 100

119 2.5 73.4 110.2#

121 0.0 24.4 36.6#



#42

1,2-Dichloroethane

Concen: 0.207 ug/l

RT: 8.677 min Scan# 1143

Delta R.T. 0.006 min

Lab File: VN081081.D

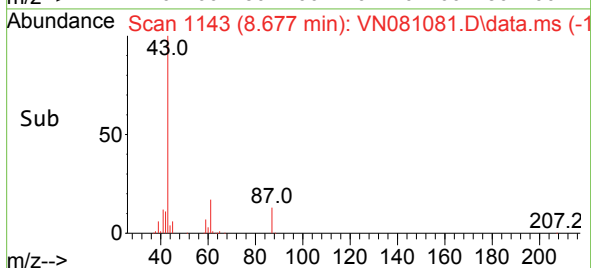
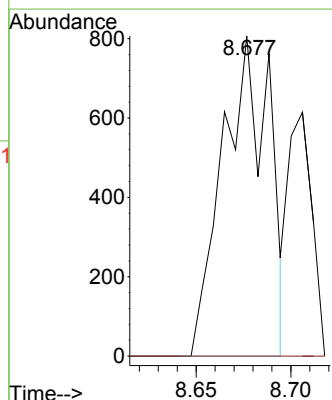
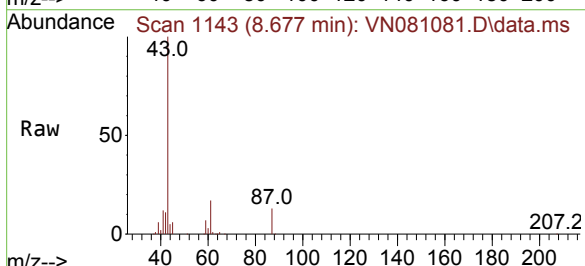
Acq: 19 Feb 2024 17:17

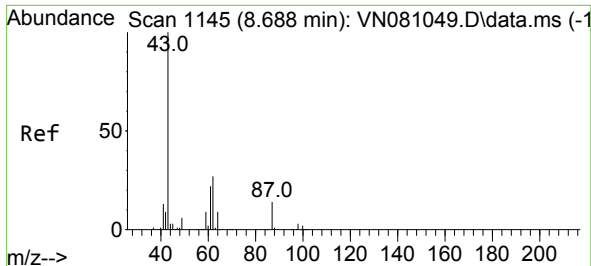
Tgt Ion: 62 Resp: 1377

Ion Ratio Lower Upper

62 100

98 0.0 0.0 18.0

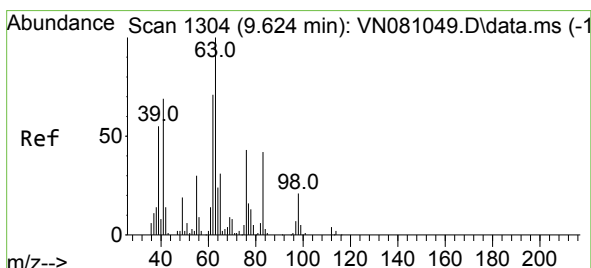
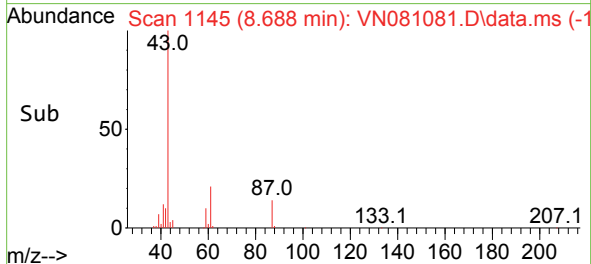
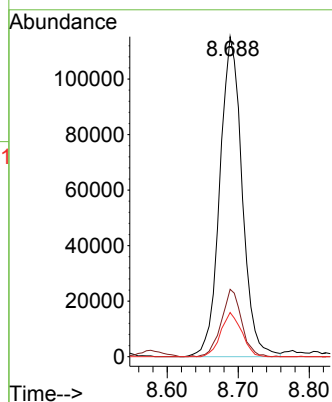
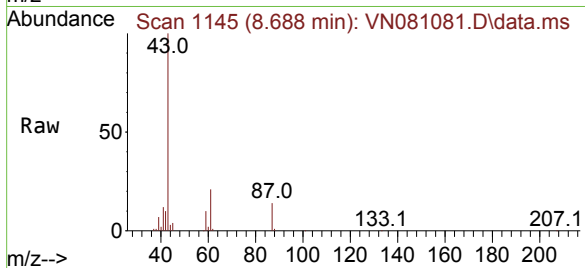




#43
Isopropyl Acetate
Concen: 24.190 ug/l
RT: 8.688 min Scan# 1145
Delta R.T. -0.000 min
Lab File: VN081081.D
Acq: 19 Feb 2024 17:17

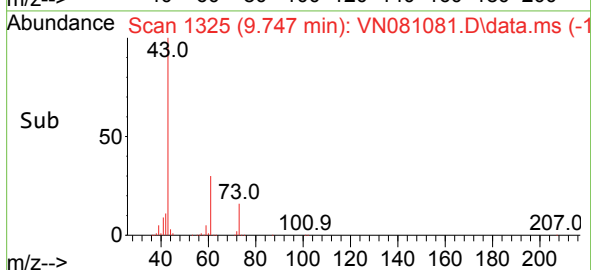
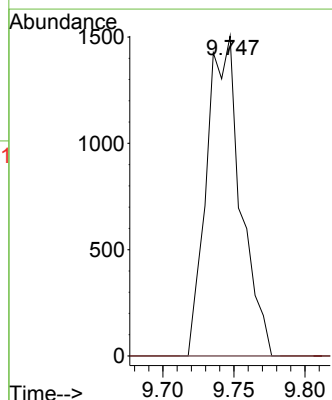
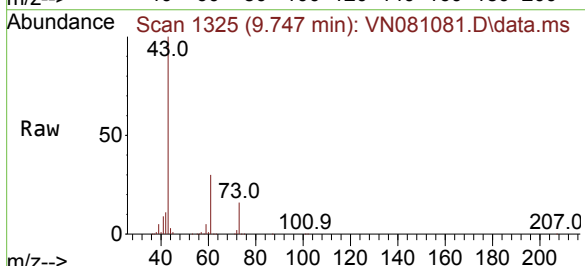
Instrument :
MSVOA_N
ClientSampleId :
WC-2D

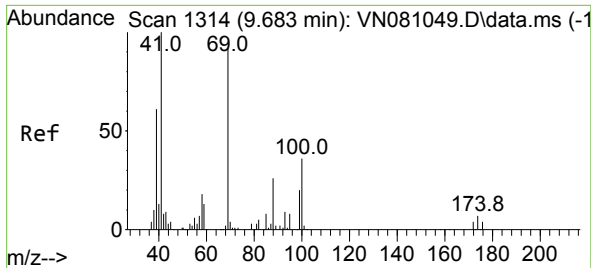
Tgt Ion: 43 Resp: 251110
Ion Ratio Lower Upper
43 100
61 19.1 19.9 29.9#
87 12.9 9.0 13.6



#45
1,2-Dichloropropane
Concen: 0.524 ug/l
RT: 9.747 min Scan# 1325
Delta R.T. 0.124 min
Lab File: VN081081.D
Acq: 19 Feb 2024 17:17

Tgt Ion: 63 Resp: 2496
Ion Ratio Lower Upper
63 100
65 0.0 26.1 39.1#

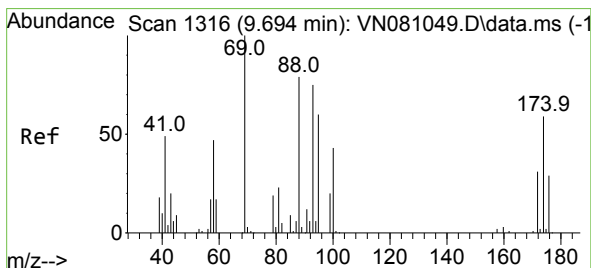
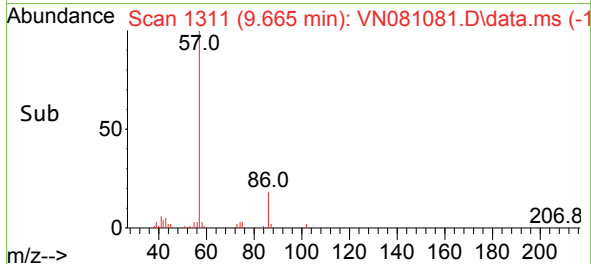
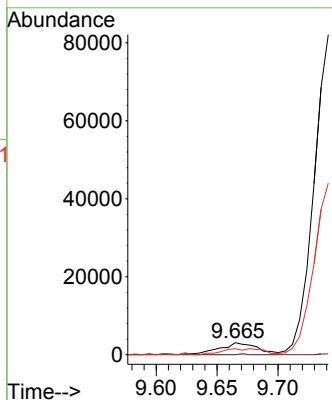
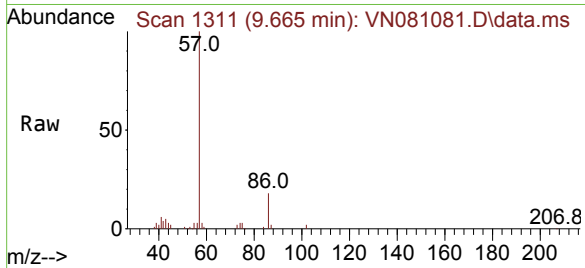




#48
Methyl methacrylate
Concen: 1.403 ug/l
RT: 9.665 min Scan# 1311
Delta R.T. -0.018 min
Lab File: VN081081.D
Acq: 19 Feb 2024 17:17

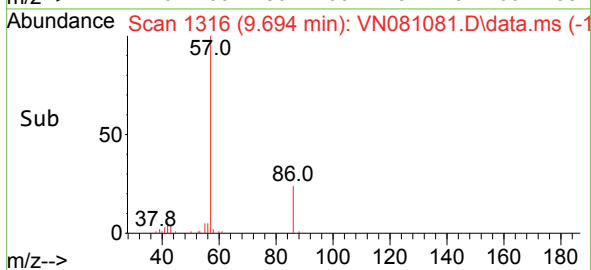
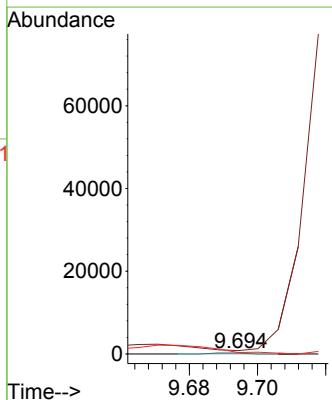
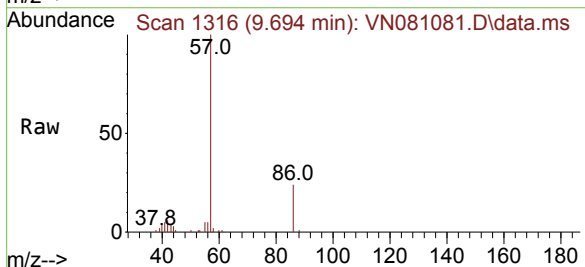
Instrument :
MSVOA_N
ClientSampleId :
WC-2D

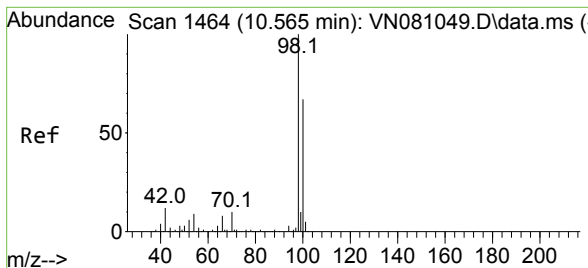
Tgt Ion: 41 Resp: 6778
Ion Ratio Lower Upper
41 100
69 1.2 62.2 93.2#
39 0.0 47.6 71.4#



#49
1,4-Dioxane
Concen: Below Cal
RT: 9.694 min Scan# 1316
Delta R.T. 0.000 min
Lab File: VN081081.D
Acq: 19 Feb 2024 17:17

Tgt Ion: 88 Resp: 142
Ion Ratio Lower Upper
88 100
43 0.0 30.1 45.1#
58 0.0 63.9 95.9#

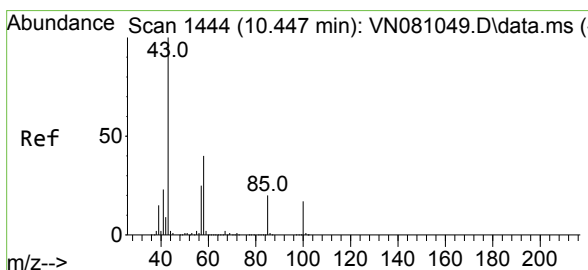
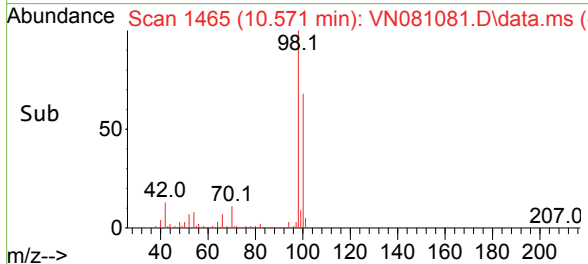
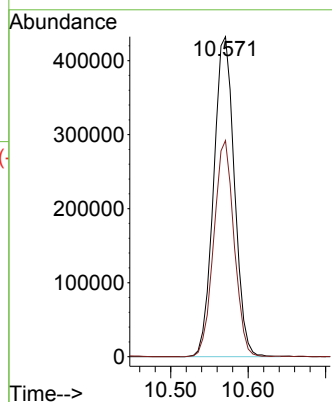
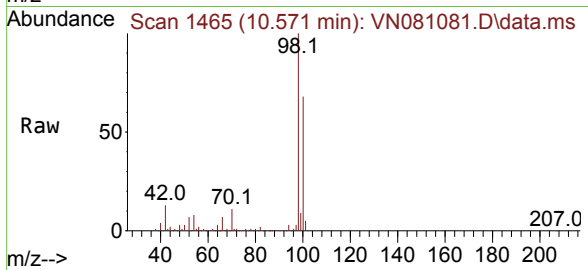




#50
Toluene-d8
Concen: 58.931 ug/l
RT: 10.571 min Scan# 1465
Delta R.T. 0.006 min
Lab File: VN081081.D
Acq: 19 Feb 2024 17:17

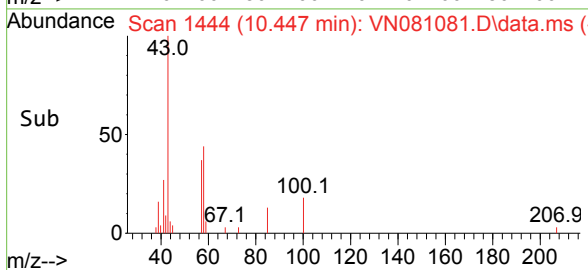
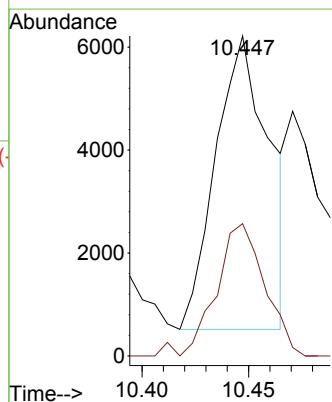
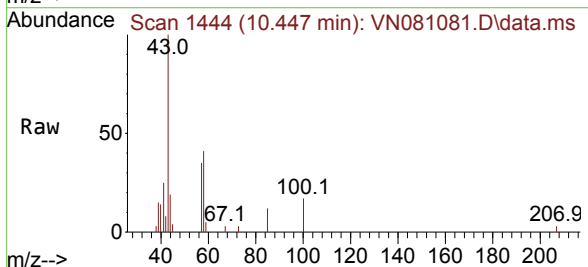
Instrument :
MSVOA_N
ClientSampleId :
WC-2D

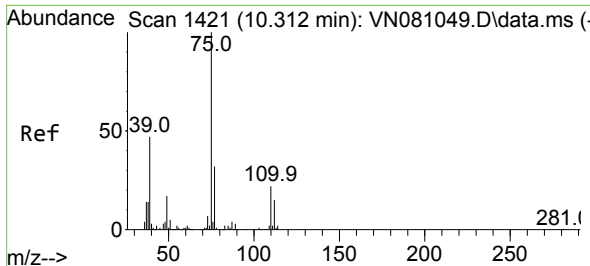
Tgt Ion: 98 Resp: 803495
Ion Ratio Lower Upper
98 100
100 66.1 51.4 77.0



#51
4-Methyl-2-Pentanone
Concen: 1.667 ug/l
RT: 10.447 min Scan# 1444
Delta R.T. 0.000 min
Lab File: VN081081.D
Acq: 19 Feb 2024 17:17

Tgt Ion: 43 Resp: 9957
Ion Ratio Lower Upper
43 100
58 41.2 29.4 44.0

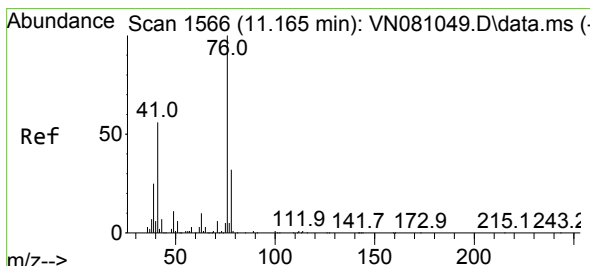
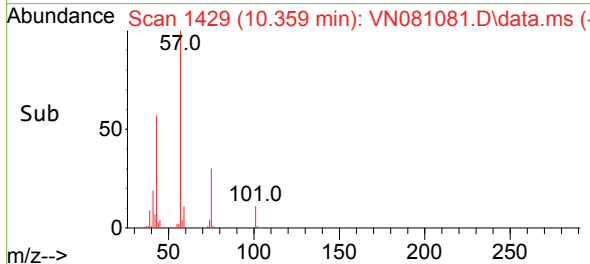
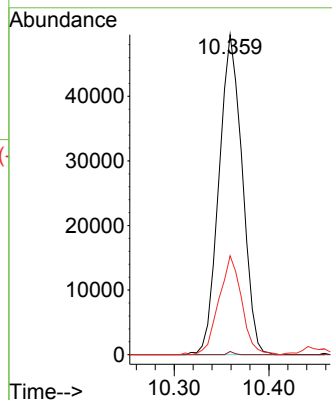
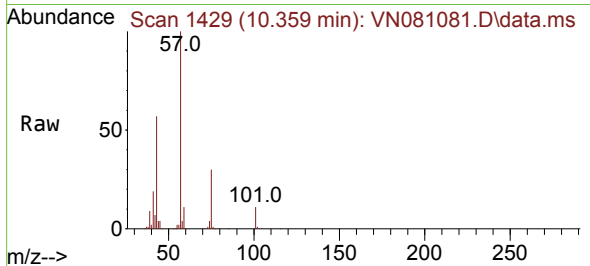




#54
 cis-1,3-Dichloropropene
 Concen: 10.724 ug/l
 RT: 10.359 min Scan# 1421
 Delta R.T. 0.047 min
 Lab File: VN081081.D
 Acq: 19 Feb 2024 17:17

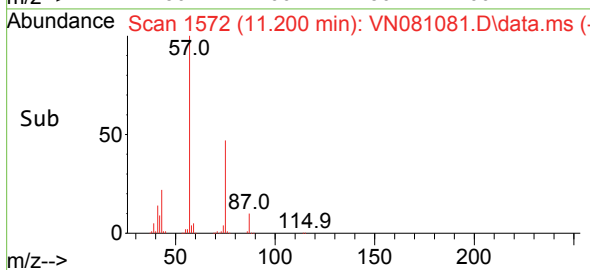
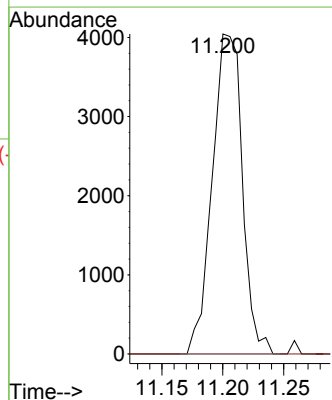
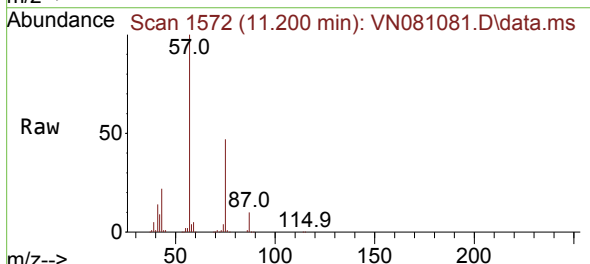
Instrument :
 MSVOA_N
 ClientSampleId :
 WC-2D

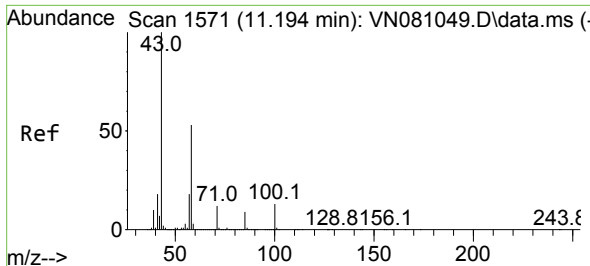
Tgt Ion: 75 Resp: 84604
 Ion Ratio Lower Upper
 75 100
 77 1.0 23.3 34.9#
 39 30.9 44.6 66.8#



#57
 1,3-Dichloropropane
 Concen: 0.867 ug/l
 RT: 11.200 min Scan# 1572
 Delta R.T. 0.035 min
 Lab File: VN081081.D
 Acq: 19 Feb 2024 17:17

Tgt Ion: 76 Resp: 6945
 Ion Ratio Lower Upper
 76 100
 78 0.0 25.5 38.3#

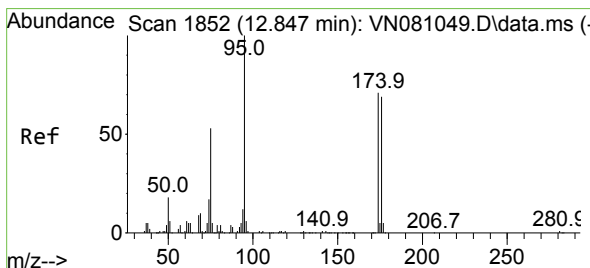
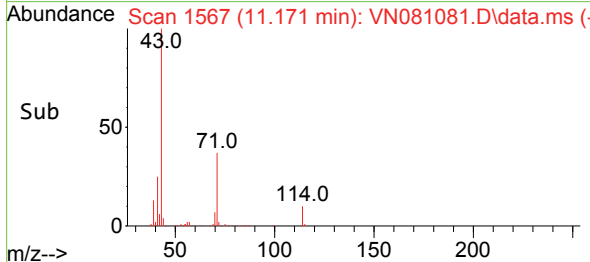
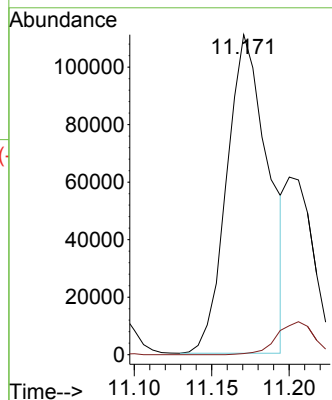
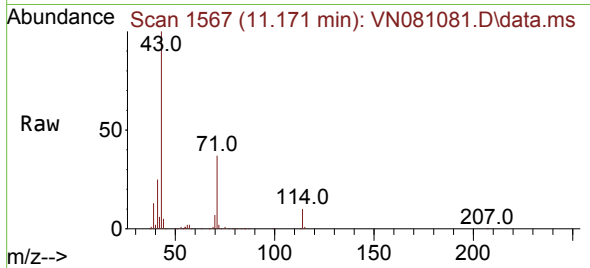




#59
2-Hexanone
Concen: 43.591 ug/l
RT: 11.171 min Scan# 111
Delta R.T. -0.024 min
Lab File: VN081081.D
Acq: 19 Feb 2024 17:17

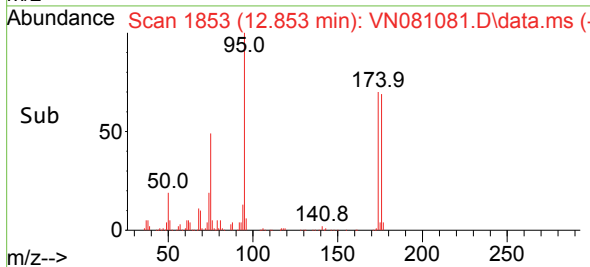
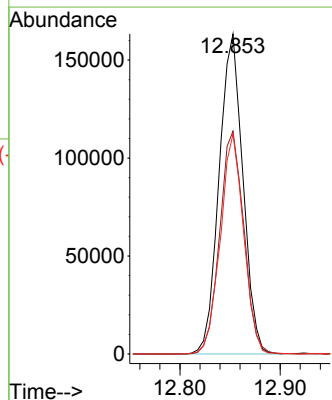
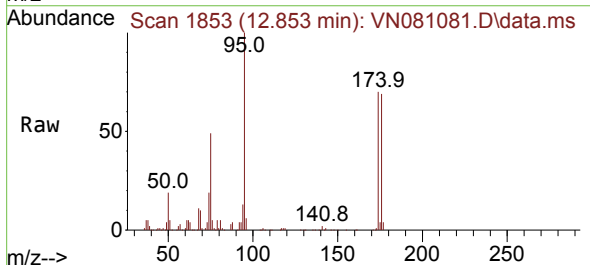
Instrument :
MSVOA_N
ClientSampleId :
WC-2D

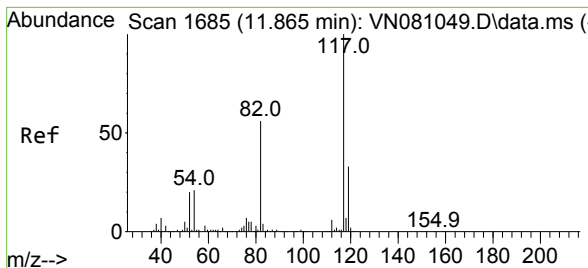
Tgt Ion: 43 Resp: 206374
Ion Ratio Lower Upper
43 100
58 0.0 25.9 77.8#



#62
4-Bromofluorobenzene
Concen: 52.440 ug/l
RT: 12.853 min Scan# 1853
Delta R.T. 0.006 min
Lab File: VN081081.D
Acq: 19 Feb 2024 17:17

Tgt Ion: 95 Resp: 268661
Ion Ratio Lower Upper
95 100
174 70.6 0.0 120.4
176 67.4 0.0 121.0





#63

Chlorobenzene-d5

Concen: 50.000 ug/l

RT: 11.871 min Scan# 1

Delta R.T. 0.006 min

Lab File: VN081081.D

Acq: 19 Feb 2024 17:17

Instrument :

MSVOA_N

ClientSampleId :

WC-2D

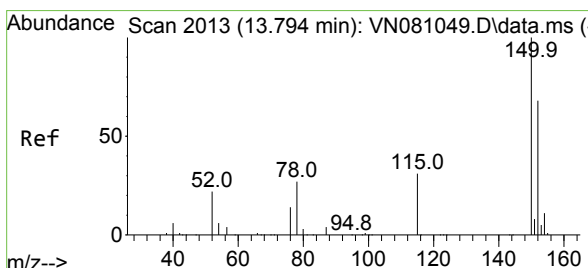
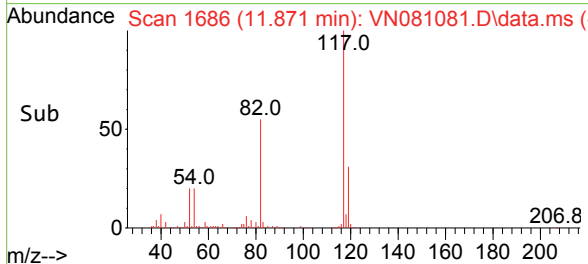
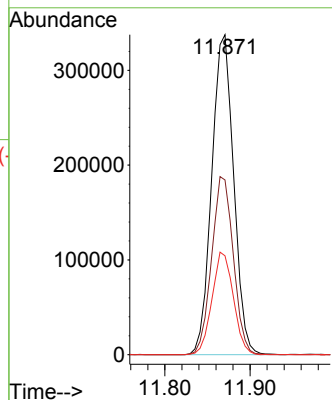
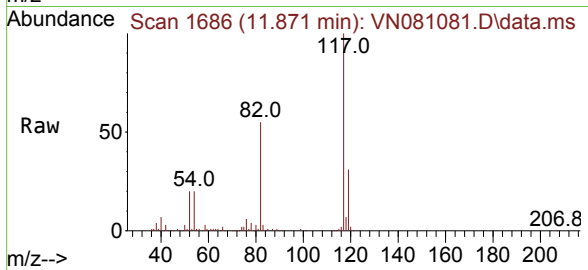
Tgt Ion:117 Resp: 603251

Ion Ratio Lower Upper

117 100

82 54.6 52.7 79.1

119 30.9 25.3 37.9



#72

1,4-Dichlorobenzene-d4

Concen: 50.000 ug/l

RT: 13.794 min Scan# 2013

Delta R.T. -0.000 min

Lab File: VN081081.D

Acq: 19 Feb 2024 17:17

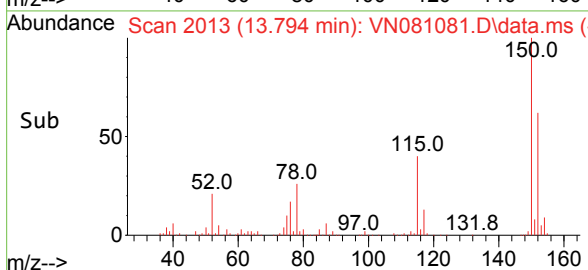
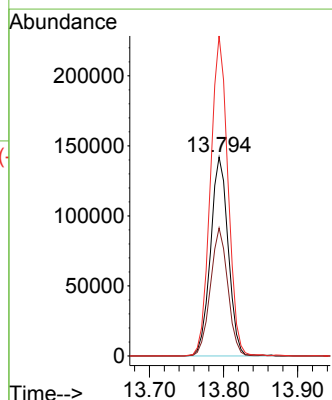
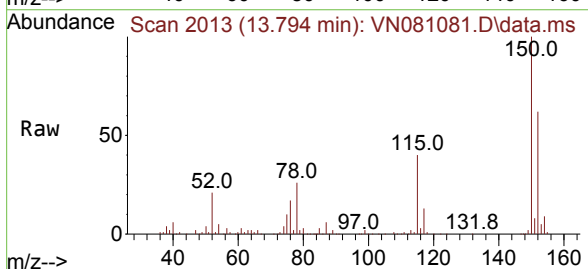
Tgt Ion:152 Resp: 235410

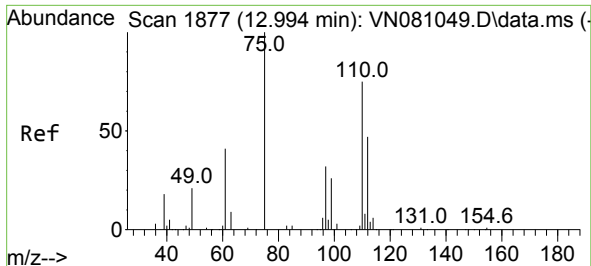
Ion Ratio Lower Upper

152 100

115 63.1 32.3 96.8

150 159.1 0.0 339.8

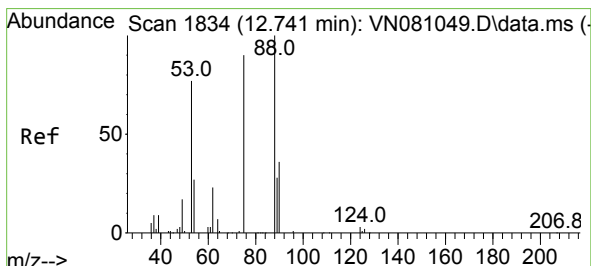
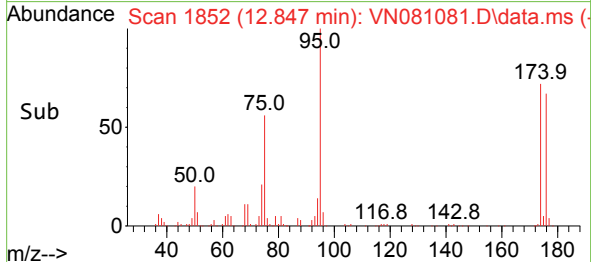
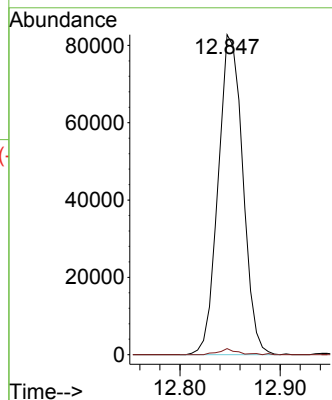
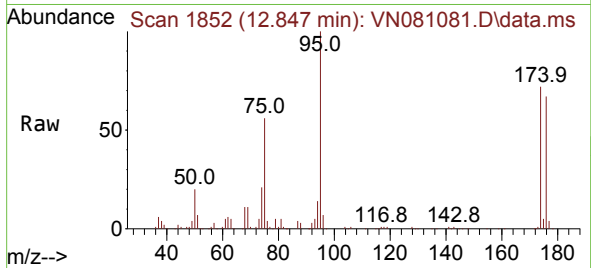




#76
1,2,3-Trichloropropane
Concen: 26.391 ug/l
RT: 12.847 min Scan# 1852
Delta R.T. -0.147 min
Lab File: VN081081.D
Acq: 19 Feb 2024 17:17

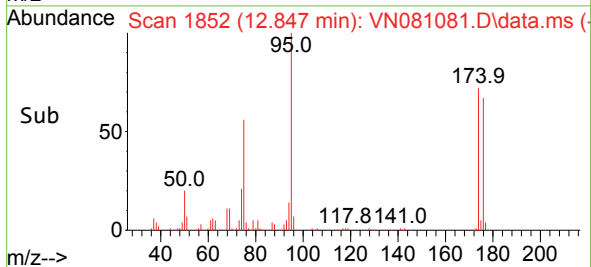
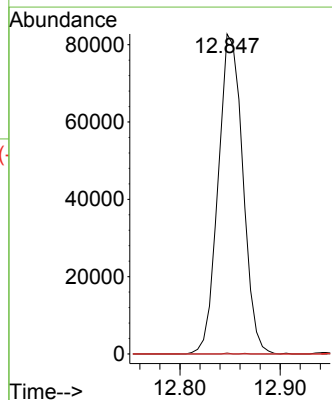
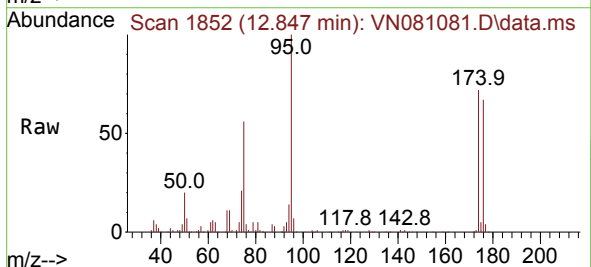
Instrument :
MSVOA_N
ClientSampleId :
WC-2D

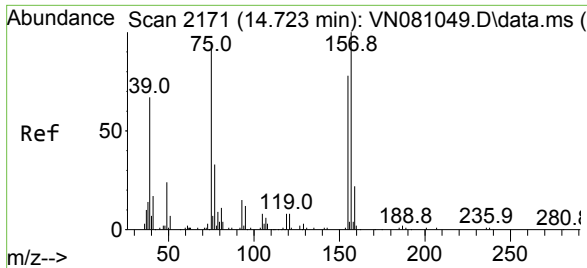
Tgt Ion: 75 Resp: 141156
Ion Ratio Lower Upper
75 100
77 1.5 91.0 272.8#



#81
trans-1,4-Dichloro-2-butene
Concen: 67.928 ug/l
RT: 12.847 min Scan# 1852
Delta R.T. 0.106 min
Lab File: VN081081.D
Acq: 19 Feb 2024 17:17

Tgt Ion: 75 Resp: 141156
Ion Ratio Lower Upper
75 100
53 0.1 71.4 107.2#
89 0.0 33.4 50.0#





#92
 1,2-Dibromo-3-Chloropropane
 Concen: 0.267 ug/l
 RT: 14.694 min Scan# 21
 Delta R.T. -0.029 min
 Lab File: VN081081.D
 Acq: 19 Feb 2024 17:17

Instrument :
 MSVOA_N
 ClientSampleId :
 WC-2D

Tgt Ion:	75	Resp:	322
Ion Ratio	Lower	Upper	
75	100		
155	0.0	31.8	95.4#
157	0.0	41.1	123.4#

