

Data Path : Z:\voasrv\HPCHEM1\MSVOA_N\Data\VN021924\
 Data File : VN081079.D
 Acq On : 19 Feb 2024 16:30
 Operator : JC\MD
 Sample : P1505-08
 Misc : 5.0mL/MSVOA_N/WATER
 ALS Vial : 1 Sample Multiplier: 1

Instrument :
 MSVOA_N
 ClientSampleId :
 WC-1D

Quant Time: Feb 20 00:24:12 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)

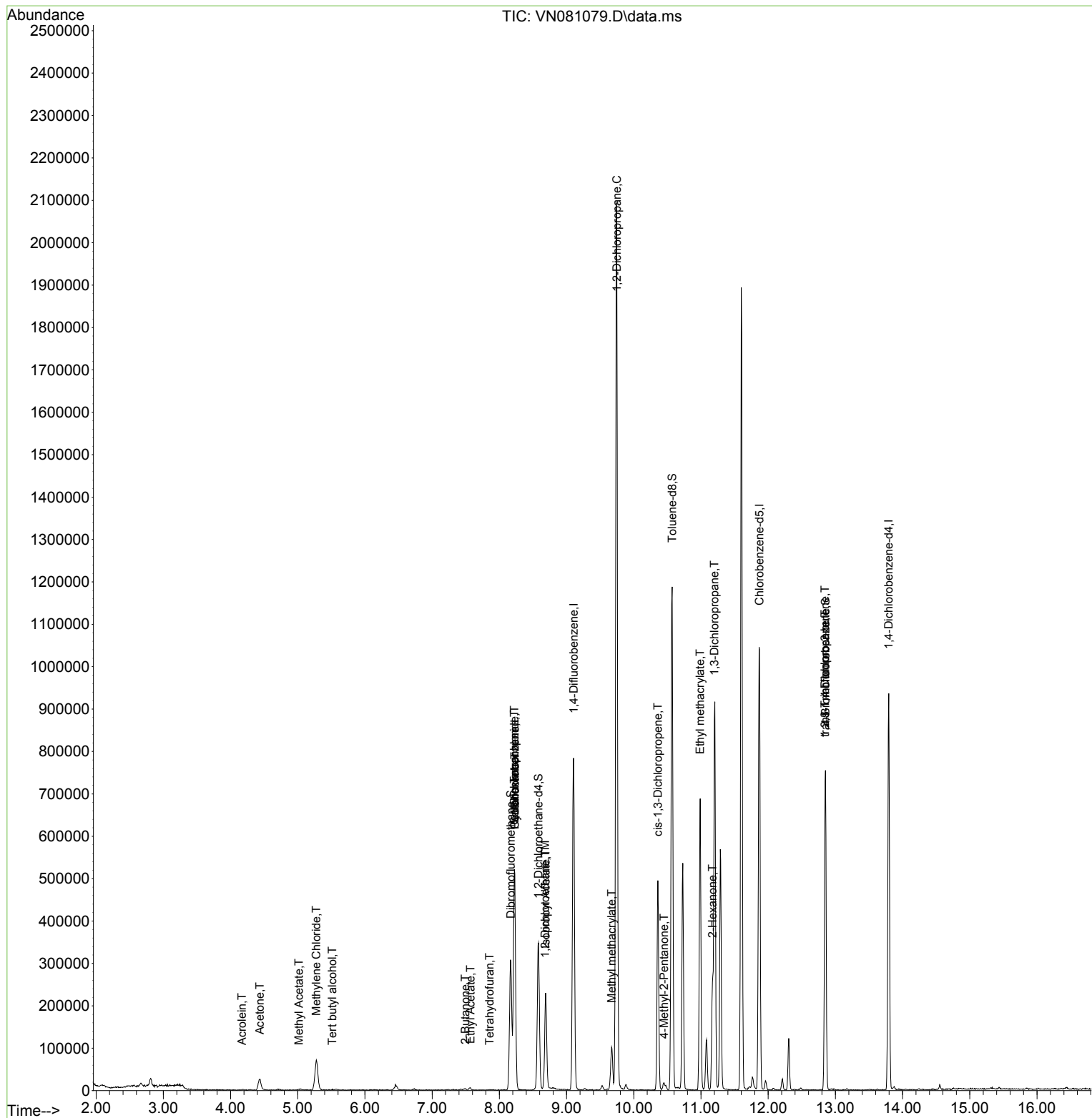
Internal Standards						
1) Pentafluorobenzene	8.230	168	365163	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	9.106	114	709087	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.871	117	621540	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.794	152	240225	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.583	65	279033	62.342	ug/l	0.00
Spiked Amount 50.000	Range 74 - 125		Recovery = 124.680%			
35) Dibromofluoromethane	8.171	113	223175	55.659	ug/l	0.00
Spiked Amount 50.000	Range 75 - 124		Recovery = 111.320%			
50) Toluene-d8	10.571	98	825901	57.993	ug/l	0.00
Spiked Amount 50.000	Range 86 - 113		Recovery = 115.980%#			
62) 4-Bromofluorobenzene	12.853	95	270297	50.511	ug/l	0.00
Spiked Amount 50.000	Range 83 - 123		Recovery = 101.020%			
Target Compounds						
					Qvalue	
3) Chloromethane	2.365	50	1465	Below Cal	#	88
6) Chloroethane	3.101	64	386	Below Cal	#	42
11) Tert butyl alcohol	5.512	59	659	0.801	ug/l #	72
13) Acrolein	4.171	56	1555	3.525	ug/l #	57
16) Acetone	4.436	43	51146	29.041	ug/l	99
18) Methyl Acetate	5.018	43	2044	0.476	ug/l #	81
20) Methylene Chloride	5.277	84	55508	11.467	ug/l	86
25) 2-Butanone	7.494	43	5504	1.934	ug/l	94
29) Tetrahydrofuran	7.853	42	1061	0.559	ug/l #	49
31) Cyclohexane	8.230	56	9578	1.239	ug/l #	2
36) 1,1-Dichloropropene	8.224	75	31637	4.605	ug/l #	51
37) Ethyl Acetate	7.571	43	8030	1.295	ug/l	99
38) Carbon Tetrachloride	8.224	117	40281	5.796	ug/l #	16
42) 1,2-Dichloroethane	8.683	62	2310	0.333	ug/l #	75
43) Isopropyl Acetate	8.688	43	261847	24.149	ug/l #	90
45) 1,2-Dichloropropane	9.747	63	2737	0.550	ug/l #	42
48) Methyl methacrylate	9.671	41	6504	1.289	ug/l #	49
49) 1,4-Dioxane	9.694	88	86	Below Cal	#	18
51) 4-Methyl-2-Pentanone	10.453	43	18678	2.995	ug/l #	84
54) cis-1,3-Dichloropropene	10.359	75	93819	11.385	ug/l #	59
56) Ethyl methacrylate	10.988	69	1677	0.227	ug/l #	1
57) 1,3-Dichloropropane	11.200	76	10123	1.209	ug/l #	43
59) 2-Hexanone	11.171	43	198677	40.177	ug/l #	26
76) 1,2,3-Trichloropropane	12.847	75	143824	26.351	ug/l #	1
81) trans-1,4-Dichloro-2-b...	12.847	75	143824	67.825	ug/l #	14

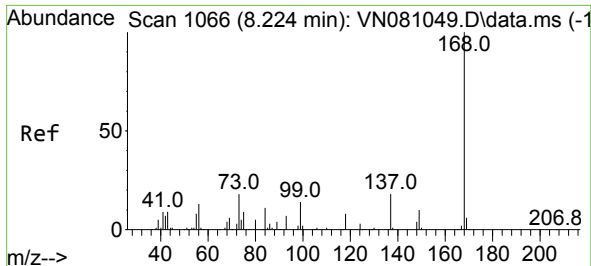
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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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

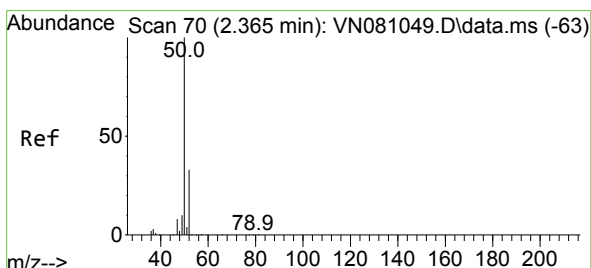
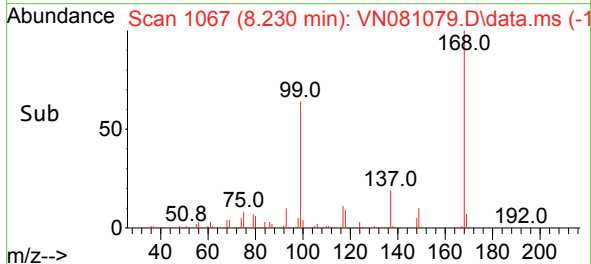
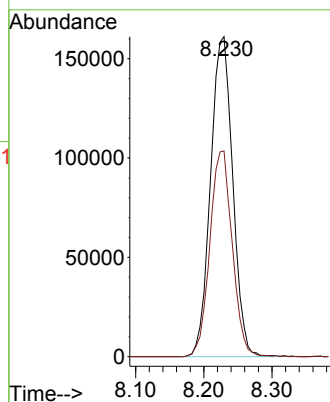
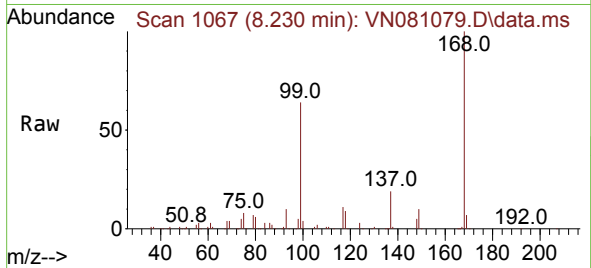




#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 8.230 min Scan# 10
Delta R.T. 0.006 min
Lab File: VN081079.D
Acq: 19 Feb 2024 16:30

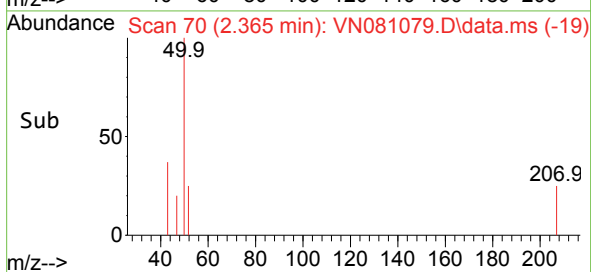
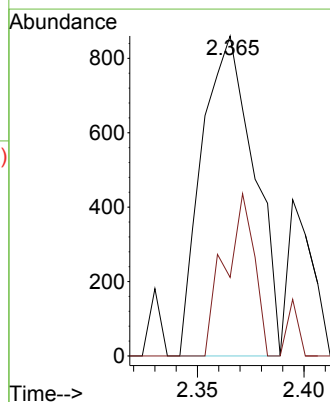
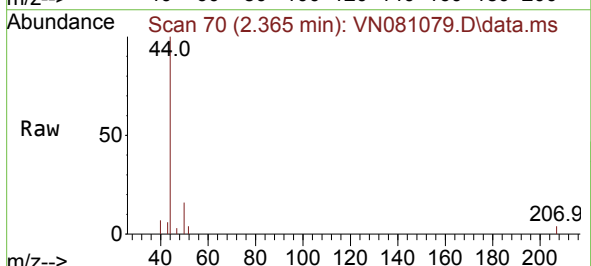
Instrument :
MSVOA_N
ClientSampleId :
WC-1D

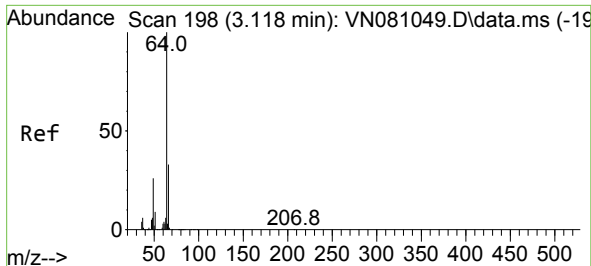
Tgt Ion:168 Resp: 365163
Ion Ratio Lower Upper
168 100
99 64.3 59.9 89.9



#3
Chloromethane
Concen: Below Cal
RT: 2.365 min Scan# 70
Delta R.T. 0.000 min
Lab File: VN081079.D
Acq: 19 Feb 2024 16:30

Tgt Ion: 50 Resp: 1465
Ion Ratio Lower Upper
50 100
52 24.5 25.0 37.4#

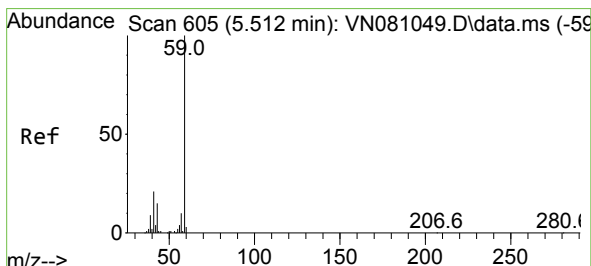
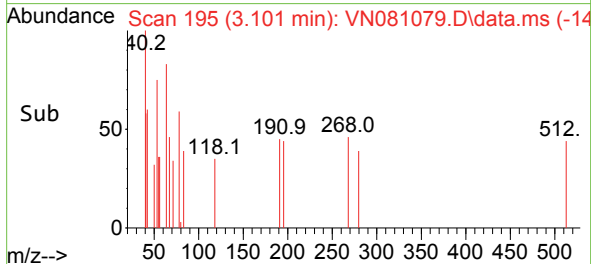
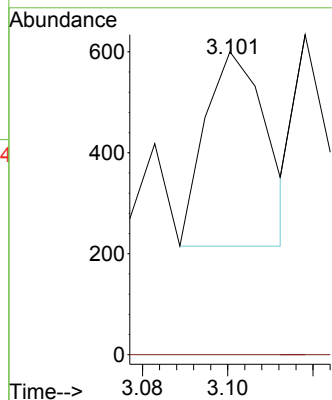
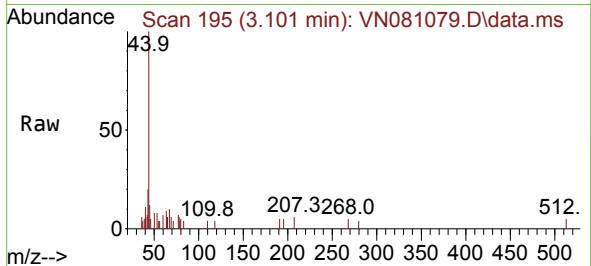




#6
Chloroethane
Concen: Below Cal
RT: 3.101 min Scan# 198
Delta R.T. -0.017 min
Lab File: VN081079.D
Acq: 19 Feb 2024 16:30

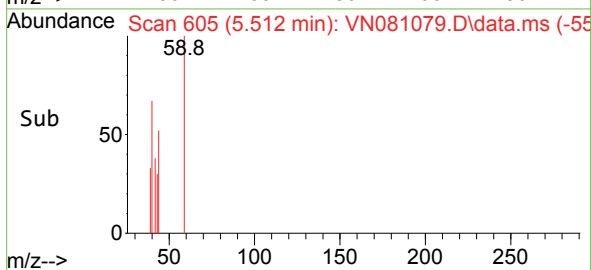
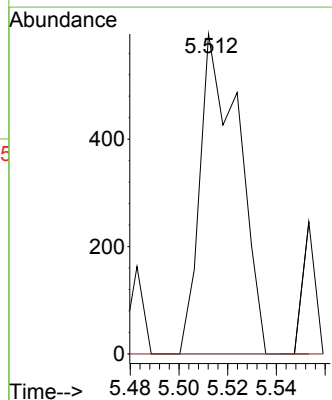
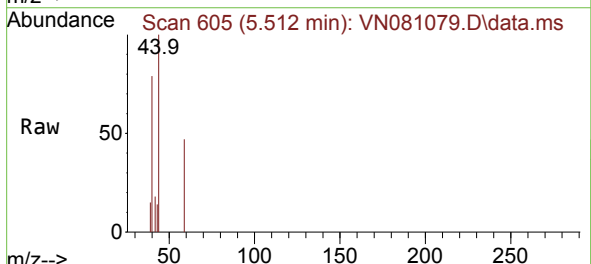
Instrument :
MSVOA_N
ClientSampleId :
WC-1D

Tgt Ion: 64 Resp: 386
Ion Ratio Lower Upper
64 100
66 0.0 26.4 39.6#



#11
Tert butyl alcohol
Concen: 0.801 ug/l
RT: 5.512 min Scan# 605
Delta R.T. -0.000 min
Lab File: VN081079.D
Acq: 19 Feb 2024 16:30

Tgt Ion: 59 Resp: 659
Ion Ratio Lower Upper
59 100
57 0.0 8.6 12.8#

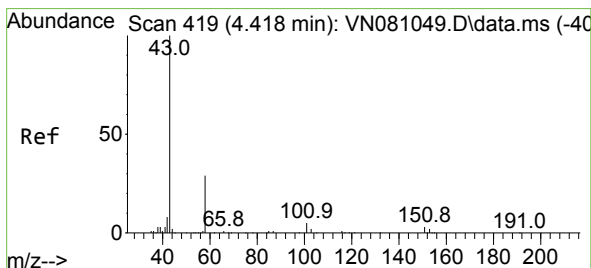
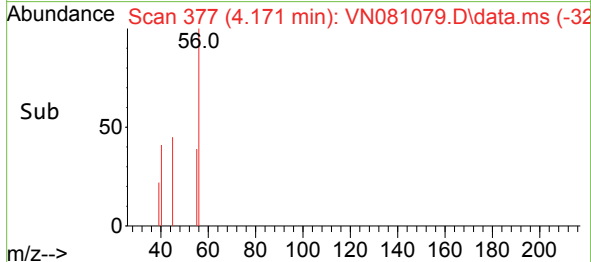
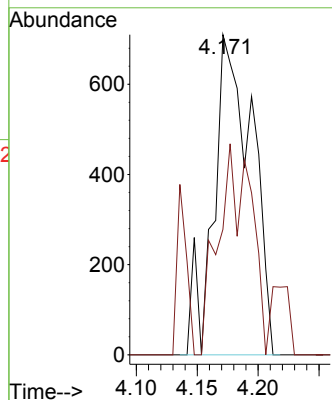
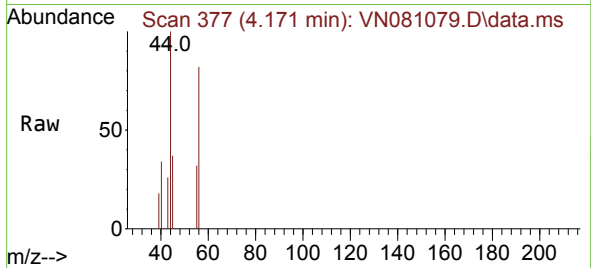




#13
Acrolein
Concen: 3.525 ug/l
RT: 4.171 min Scan# 31
Delta R.T. -0.006 min
Lab File: VN081079.D
Acq: 19 Feb 2024 16:30

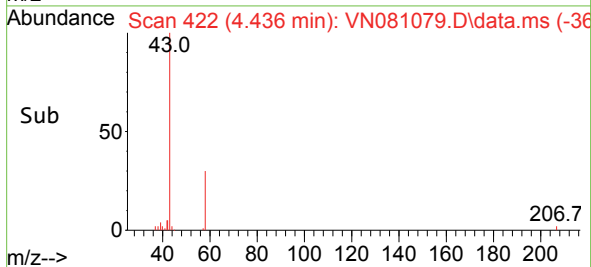
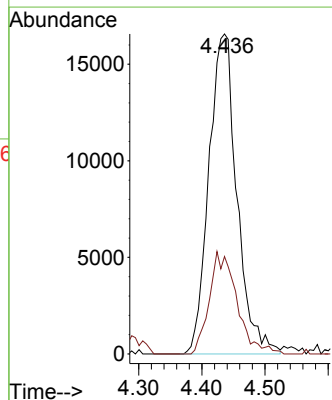
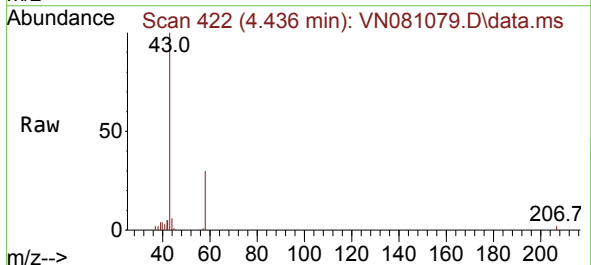
Instrument :
MSVOA_N
ClientSampleId :
WC-1D

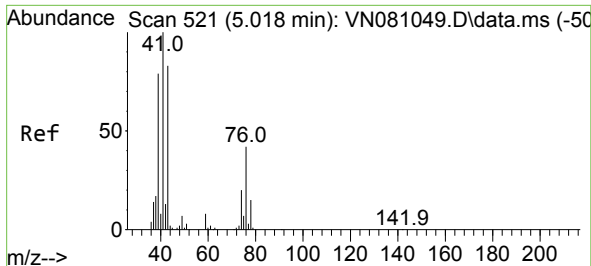
Tgt Ion: 56 Resp: 1555
Ion Ratio Lower Upper
56 100
55 33.7 55.3 82.9#



#16
Acetone
Concen: 29.041 ug/l
RT: 4.436 min Scan# 422
Delta R.T. 0.018 min
Lab File: VN081079.D
Acq: 19 Feb 2024 16:30

Tgt Ion: 43 Resp: 51146
Ion Ratio Lower Upper
43 100
58 30.4 24.8 37.2

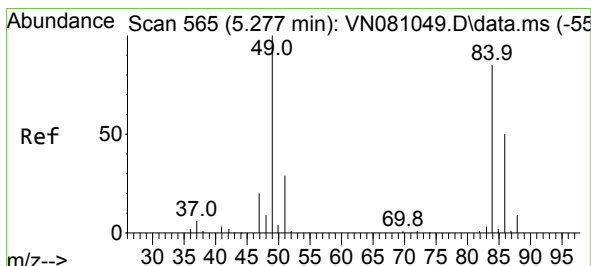
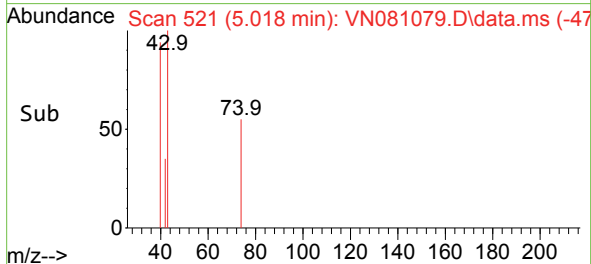
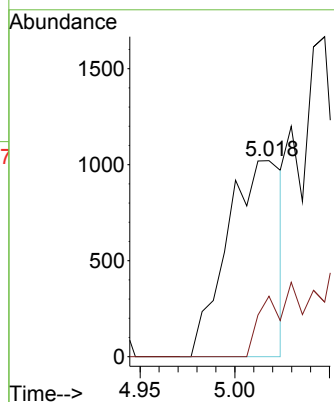
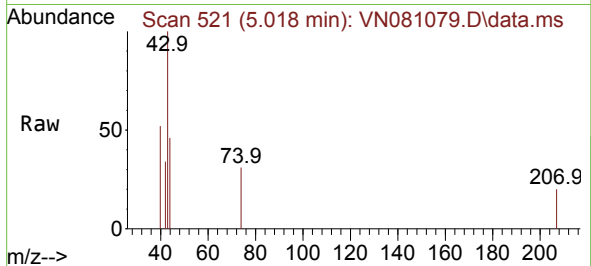




#18
Methyl Acetate
Concen: 0.476 ug/l
RT: 5.018 min Scan# 51
Delta R.T. -0.000 min
Lab File: VN081079.D
Acq: 19 Feb 2024 16:30

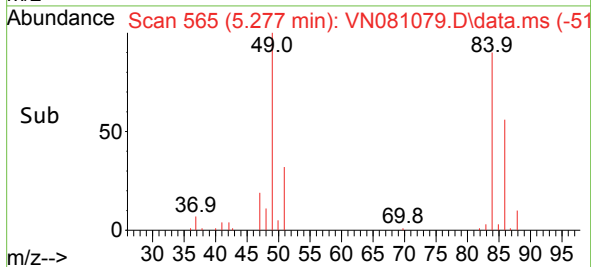
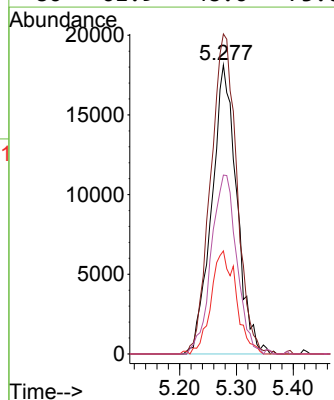
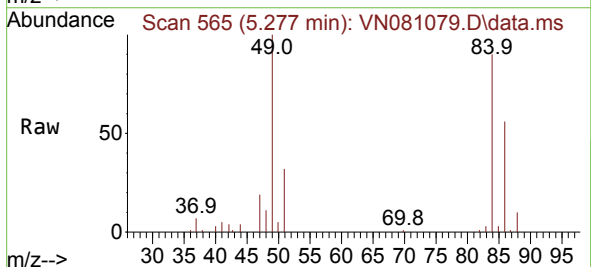
Instrument :
MSVOA_N
ClientSampleId :
WC-1D

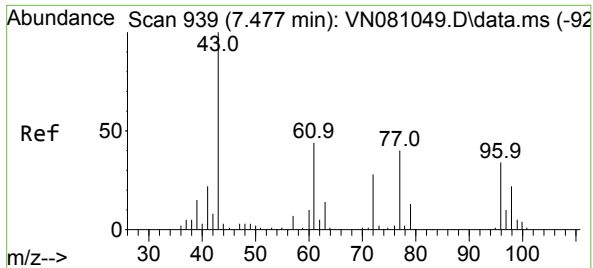
Tgt Ion: 43 Resp: 2044
Ion Ratio Lower Upper
43 100
74 12.4 17.3 25.9#



#20
Methylene Chloride
Concen: 11.467 ug/l
RT: 5.277 min Scan# 565
Delta R.T. -0.000 min
Lab File: VN081079.D
Acq: 19 Feb 2024 16:30

Tgt Ion: 84 Resp: 55508
Ion Ratio Lower Upper
84 100
49 110.7 108.1 162.1
51 35.7 32.9 49.3
86 61.9 48.6 73.0

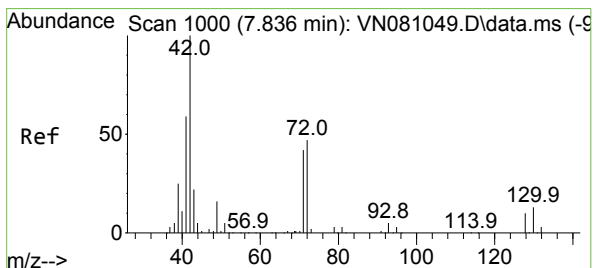
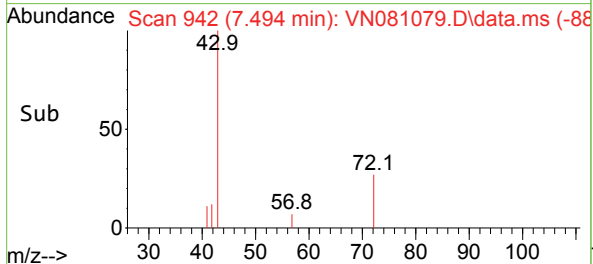
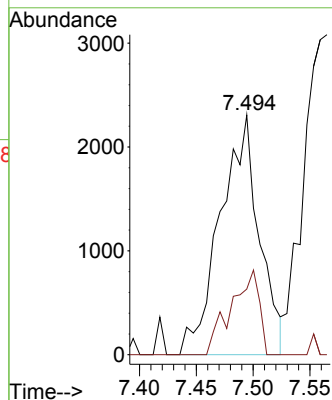
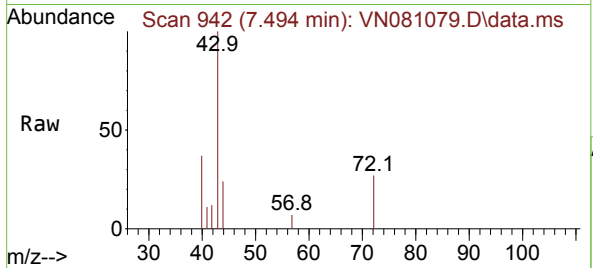




#25
2-Butanone
Concen: 1.934 ug/l
RT: 7.494 min Scan# 942
Delta R.T. 0.018 min
Lab File: VN081079.D
Acq: 19 Feb 2024 16:30

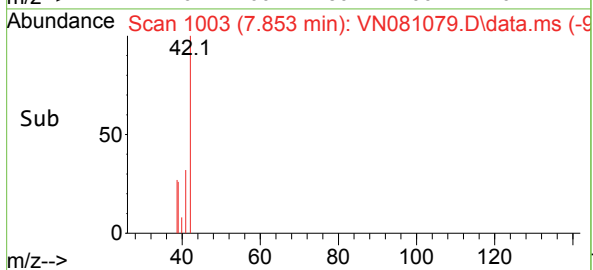
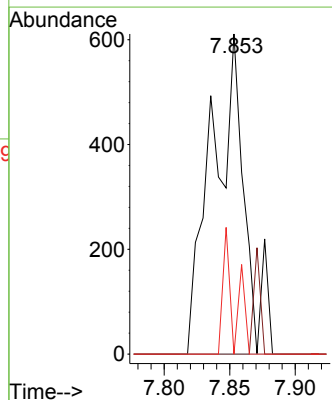
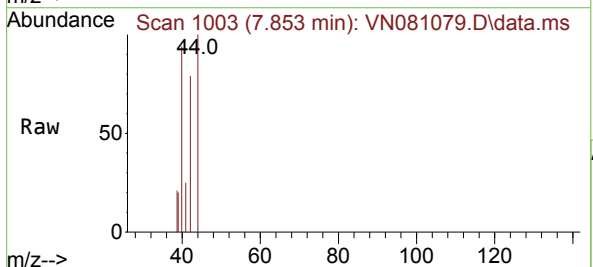
Instrument :
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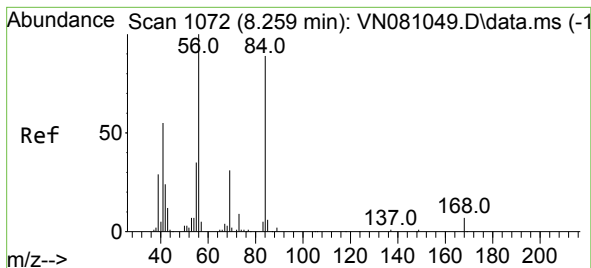
Tgt Ion: 43 Resp: 5504
Ion Ratio Lower Upper
43 100
72 27.4 19.5 29.3



#29
Tetrahydrofuran
Concen: 0.559 ug/l
RT: 7.853 min Scan# 1003
Delta R.T. 0.018 min
Lab File: VN081079.D
Acq: 19 Feb 2024 16:30

Tgt Ion: 42 Resp: 1061
Ion Ratio Lower Upper
42 100
72 0.0 31.1 46.7#
71 13.8 28.3 42.5#





#31

Cyclohexane

Concen: 1.239 ug/l

RT: 8.230 min Scan# 1067

Delta R.T. -0.029 min

Lab File: VN081079.D

Acq: 19 Feb 2024 16:30

Instrument :

MSVOA_N

ClientSampleId :

WC-1D

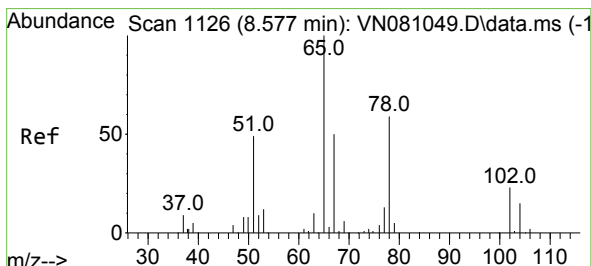
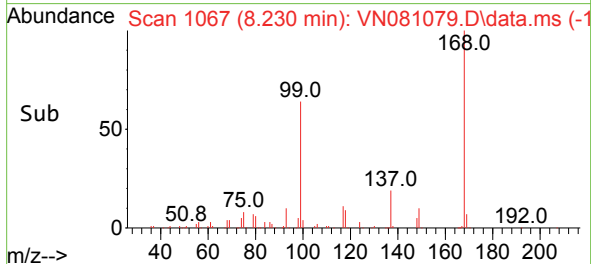
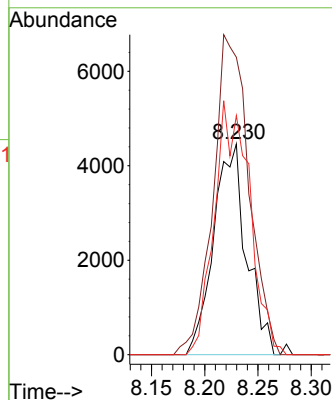
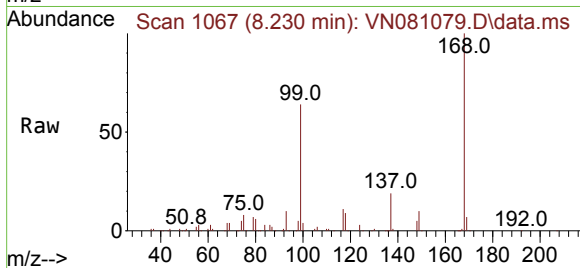
Tgt Ion: 56 Resp: 9578

Ion Ratio Lower Upper

56 100

69 141.2 20.1 30.1#

84 113.5 56.9 85.3#



#33

1,2-Dichloroethane-d4

Concen: 62.342 ug/l

RT: 8.583 min Scan# 1127

Delta R.T. 0.006 min

Lab File: VN081079.D

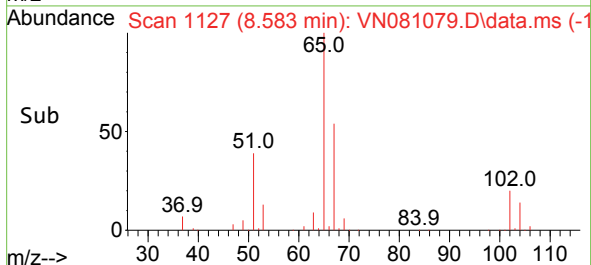
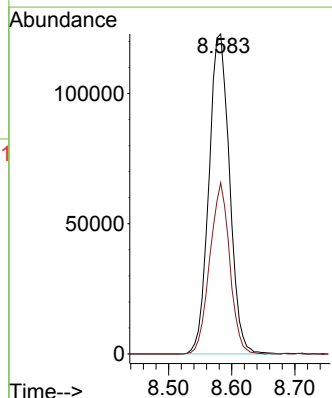
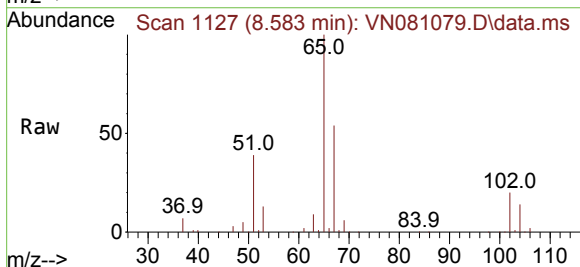
Acq: 19 Feb 2024 16:30

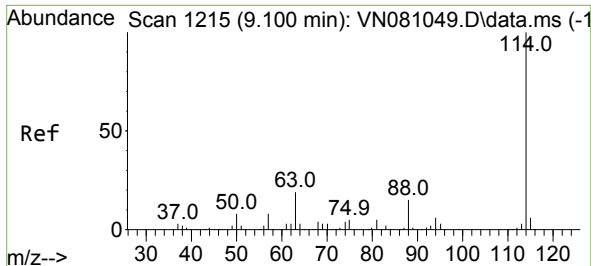
Tgt Ion: 65 Resp: 279033

Ion Ratio Lower Upper

65 100

67 51.5 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: VN081079.D

Acq: 19 Feb 2024 16:30

Instrument :

MSVOA_N

ClientSampleId :

WC-1D

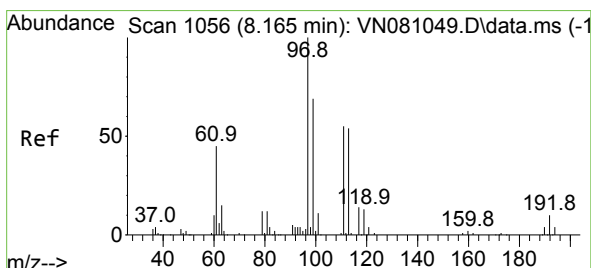
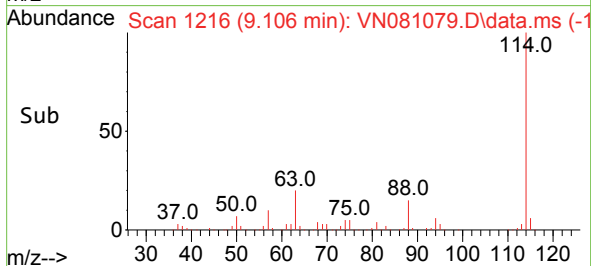
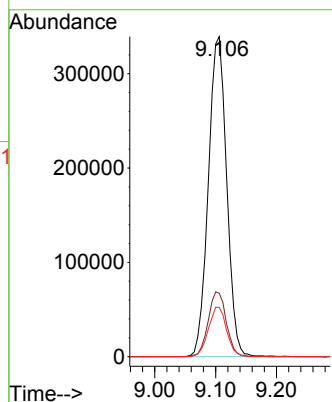
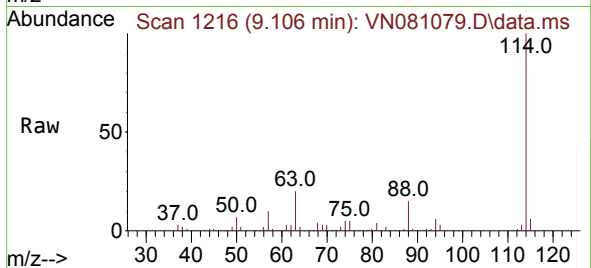
Tgt Ion:114 Resp: 709087

Ion Ratio Lower Upper

114 100

63 19.9 0.0 48.0

88 15.4 0.0 34.8



#35

Dibromofluoromethane

Concen: 55.659 ug/l

RT: 8.171 min Scan# 1057

Delta R.T. 0.006 min

Lab File: VN081079.D

Acq: 19 Feb 2024 16:30

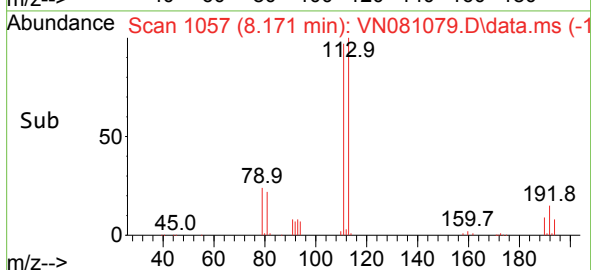
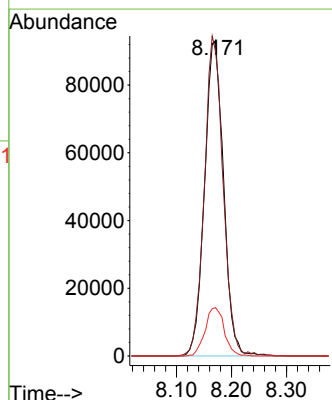
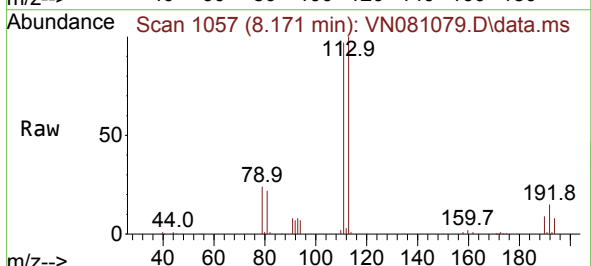
Tgt Ion:113 Resp: 223175

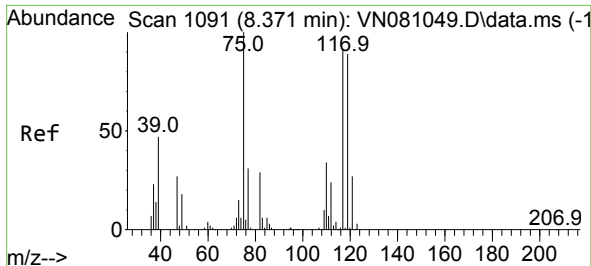
Ion Ratio Lower Upper

113 100

111 100.5 82.2 123.4

192 15.5 12.5 18.7





#36

1,1-Dichloropropene

Concen: 4.605 ug/l

RT: 8.224 min Scan# 1066

Delta R.T. -0.147 min

Lab File: VN081079.D

Acq: 19 Feb 2024 16:30

Instrument :

MSVOA_N

ClientSampleId :

WC-1D

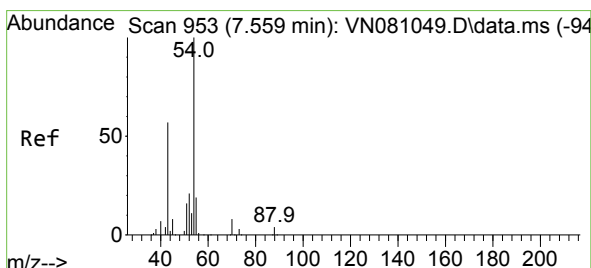
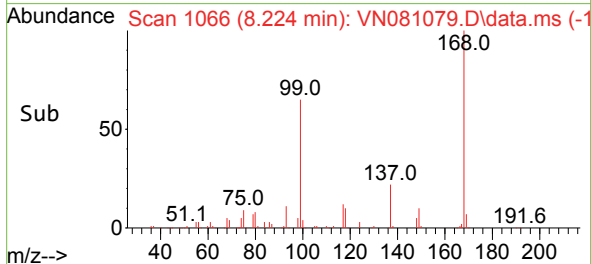
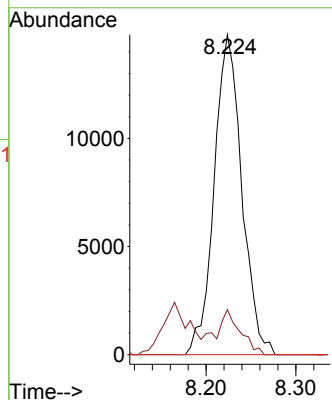
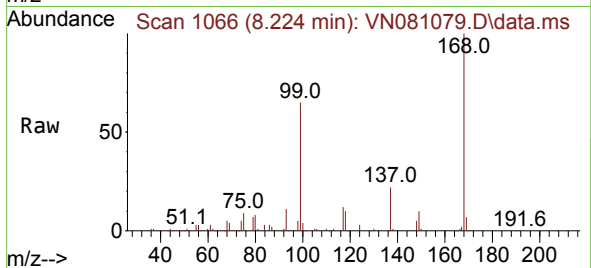
Tgt Ion: 75 Resp: 31637

Ion Ratio Lower Upper

75 100

110 9.6 16.0 48.0#

77 0.0 25.8 38.6#



#37

Ethyl Acetate

Concen: 1.295 ug/l

RT: 7.571 min Scan# 955

Delta R.T. 0.012 min

Lab File: VN081079.D

Acq: 19 Feb 2024 16:30

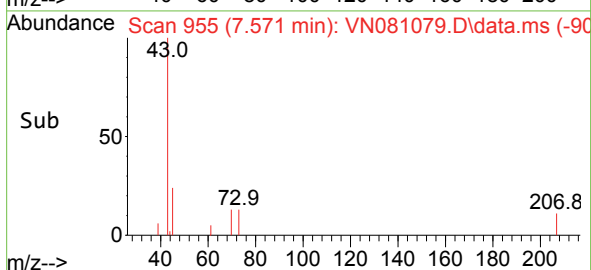
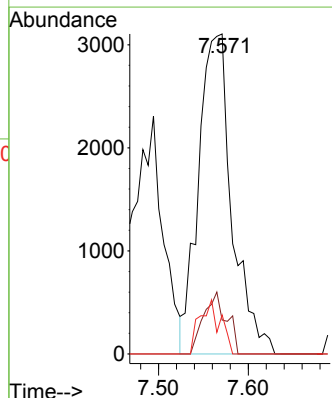
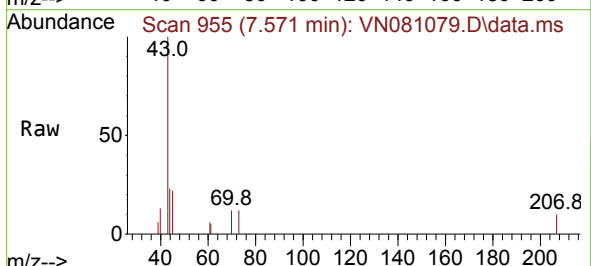
Tgt Ion: 43 Resp: 8030

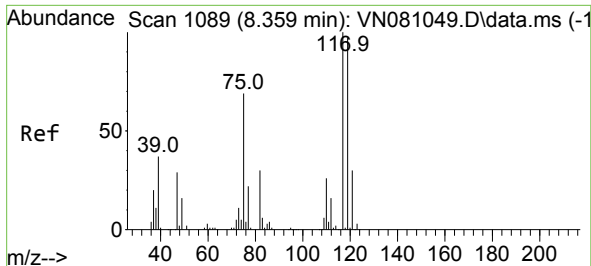
Ion Ratio Lower Upper

43 100

61 13.2 10.6 15.8

70 10.5 8.0 12.0

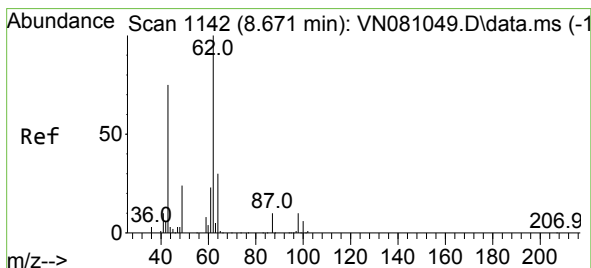
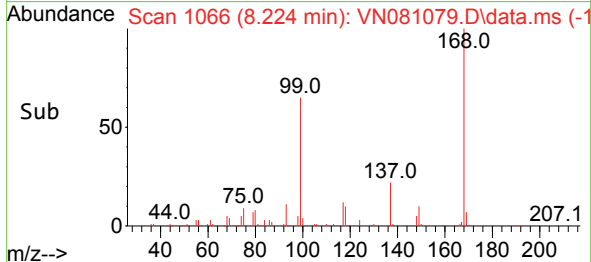
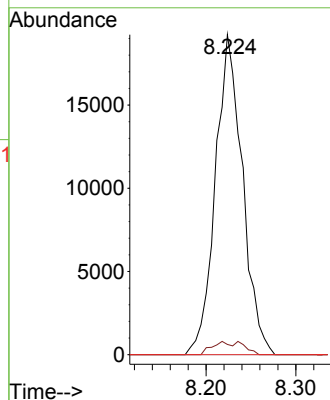
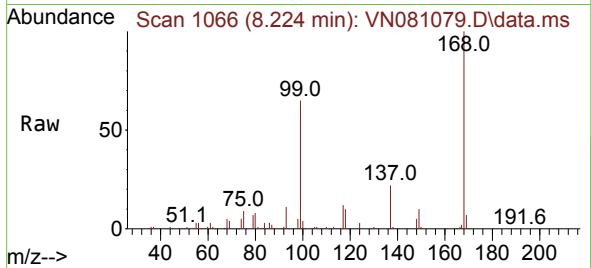




#38
Carbon Tetrachloride
Concen: 5.796 ug/l
RT: 8.224 min Scan# 1066
Delta R.T. -0.135 min
Lab File: VN081079.D
Acq: 19 Feb 2024 16:30

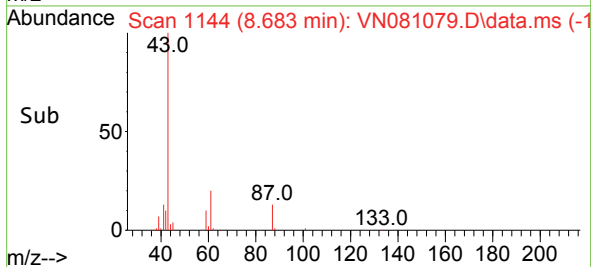
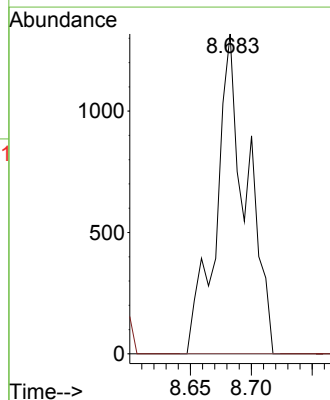
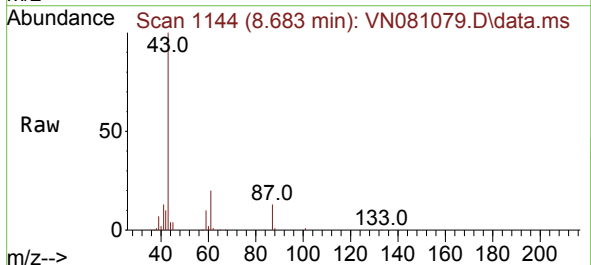
Instrument :
MSVOA_N
ClientSampleId :
WC-1D

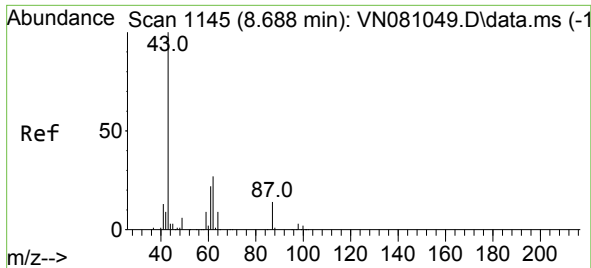
Tgt Ion:117 Resp: 40281
Ion Ratio Lower Upper
117 100
119 3.2 73.4 110.2#
121 0.0 24.4 36.6#



#42
1,2-Dichloroethane
Concen: 0.333 ug/l
RT: 8.683 min Scan# 1144
Delta R.T. 0.012 min
Lab File: VN081079.D
Acq: 19 Feb 2024 16:30

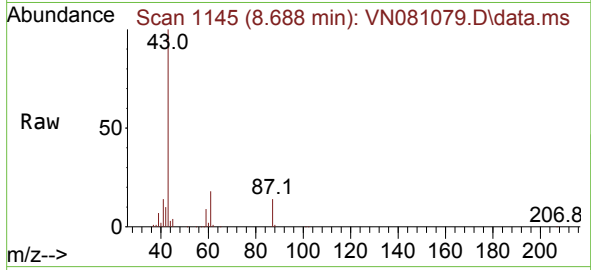
Tgt Ion: 62 Resp: 2310
Ion Ratio Lower Upper
62 100
98 0.0 0.0 18.0



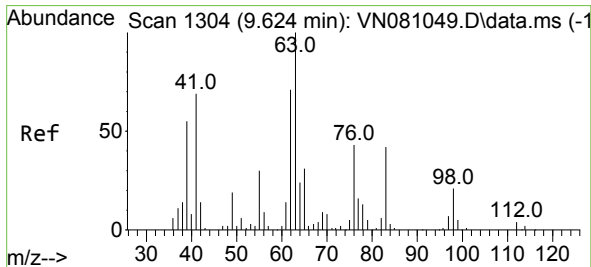
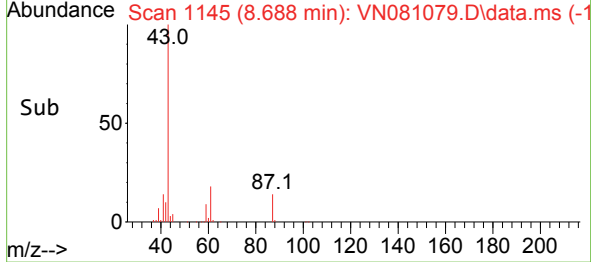
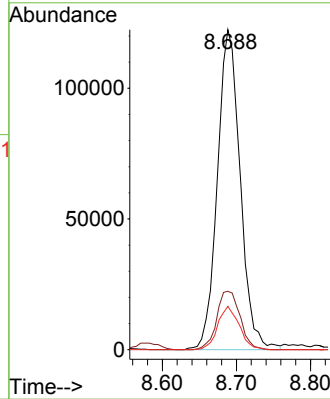


#43
Isopropyl Acetate
Concen: 24.149 ug/l
RT: 8.688 min Scan# 1145
Delta R.T. -0.000 min
Lab File: VN081079.D
Acq: 19 Feb 2024 16:30

Instrument :
MSVOA_N
ClientSampleId :
WC-1D

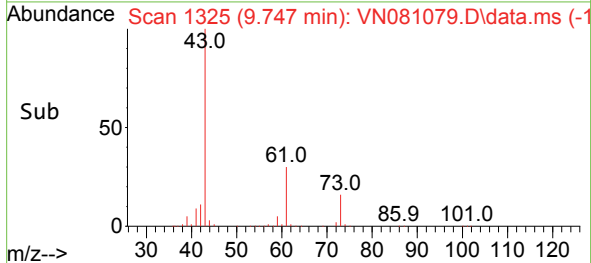
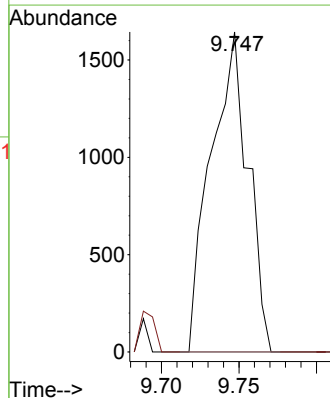
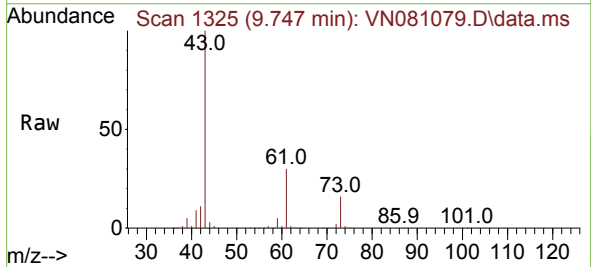


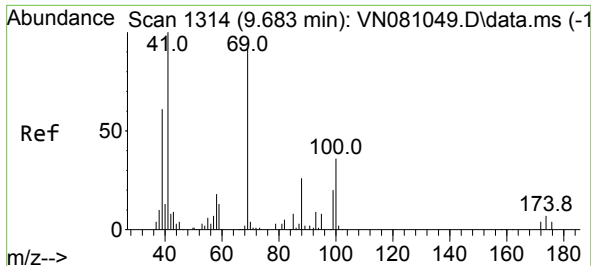
Tgt Ion: 43 Resp: 261847
Ion Ratio Lower Upper
43 100
61 18.6 19.9 29.9#
87 12.7 9.0 13.6



#45
1,2-Dichloropropane
Concen: 0.550 ug/l
RT: 9.747 min Scan# 1325
Delta R.T. 0.123 min
Lab File: VN081079.D
Acq: 19 Feb 2024 16:30

Tgt Ion: 63 Resp: 2737
Ion Ratio Lower Upper
63 100
65 0.0 26.1 39.1#

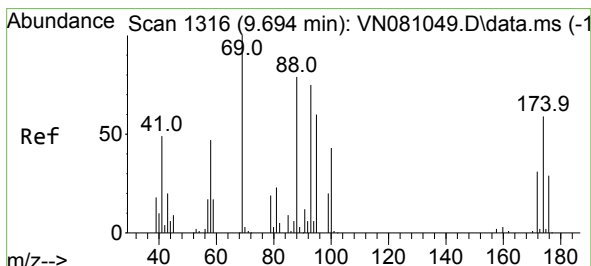
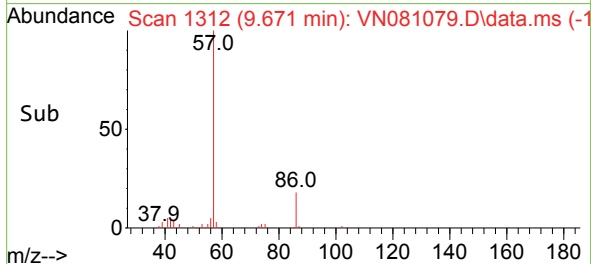
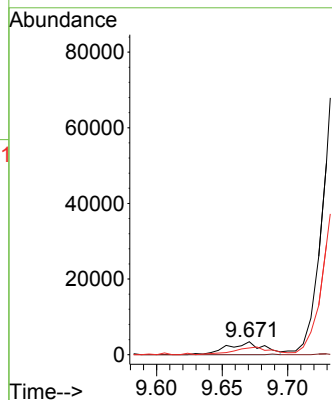
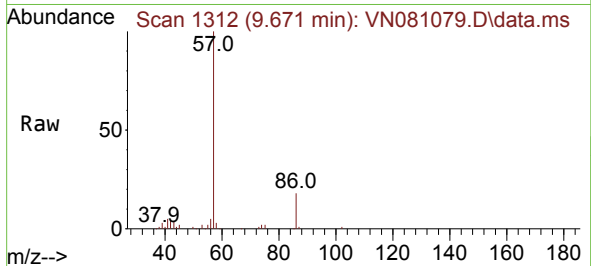




#48
Methyl methacrylate
Concen: 1.289 ug/l
RT: 9.671 min Scan# 1312
Delta R.T. -0.012 min
Lab File: VN081079.D
Acq: 19 Feb 2024 16:30

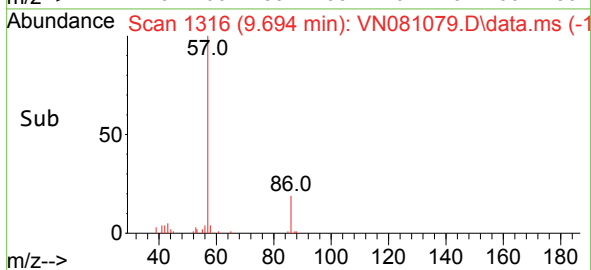
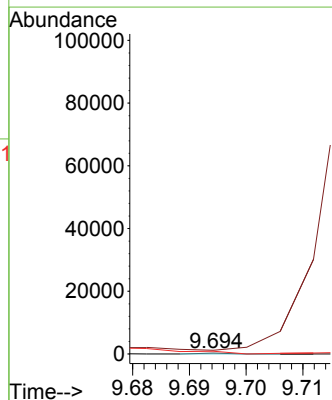
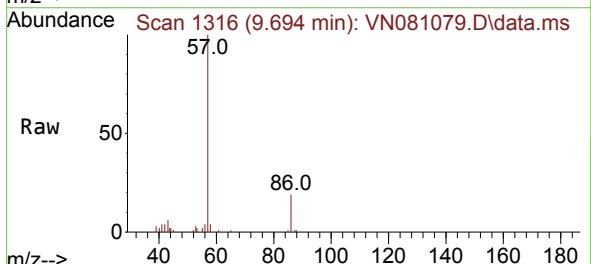
Instrument :
MSVOA_N
ClientSampleId :
WC-1D

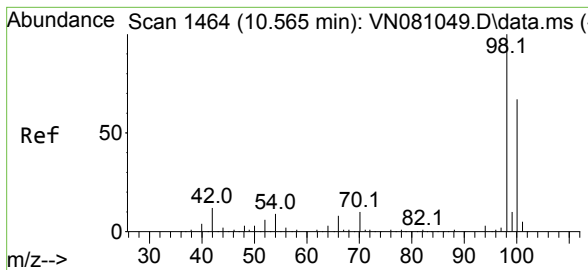
Tgt Ion: 41 Resp: 6504
Ion Ratio Lower Upper
41 100
69 0.9 62.2 93.2#
39 61.9 47.6 71.4



#49
1,4-Dioxane
Concen: Below Cal
RT: 9.694 min Scan# 1316
Delta R.T. 0.000 min
Lab File: VN081079.D
Acq: 19 Feb 2024 16:30

Tgt Ion: 88 Resp: 86
Ion Ratio Lower Upper
88 100
43 0.0 30.1 45.1#
58 0.0 63.9 95.9#

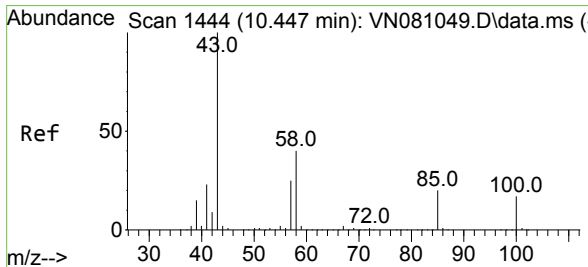
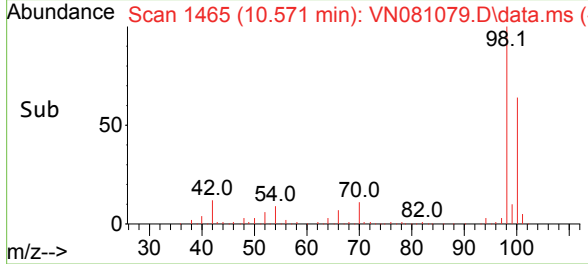
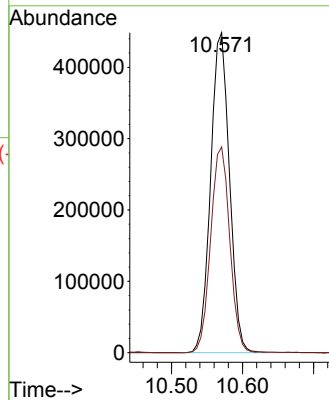
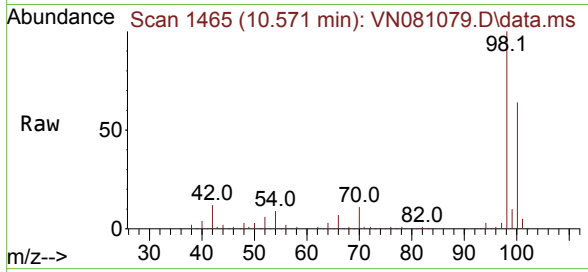




#50
Toluene-d8
Concen: 57.993 ug/l
RT: 10.571 min Scan# 1465
Delta R.T. 0.006 min
Lab File: VN081079.D
Acq: 19 Feb 2024 16:30

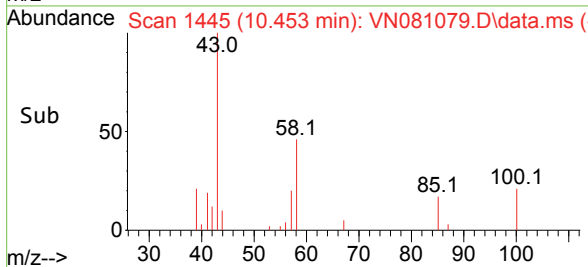
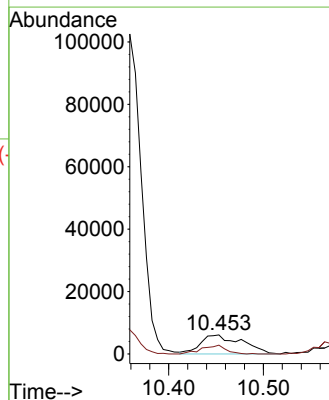
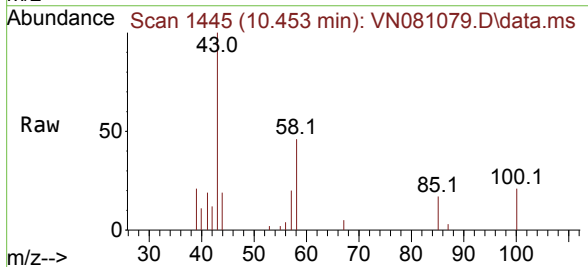
Instrument :
MSVOA_N
ClientSampleId :
WC-1D

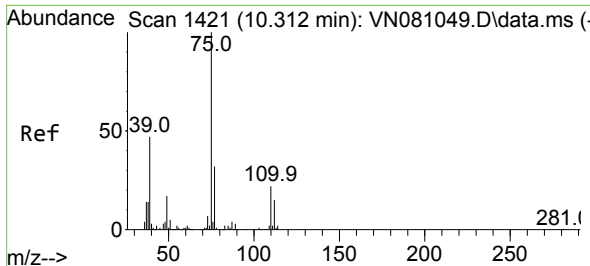
Tgt Ion: 98 Resp: 825901
Ion Ratio Lower Upper
98 100
100 65.2 51.4 77.0



#51
4-Methyl-2-Pentanone
Concen: 2.995 ug/l
RT: 10.453 min Scan# 1445
Delta R.T. 0.006 min
Lab File: VN081079.D
Acq: 19 Feb 2024 16:30

Tgt Ion: 43 Resp: 18678
Ion Ratio Lower Upper
43 100
58 27.3 29.4 44.0#

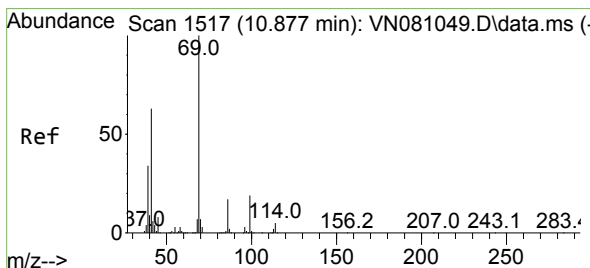
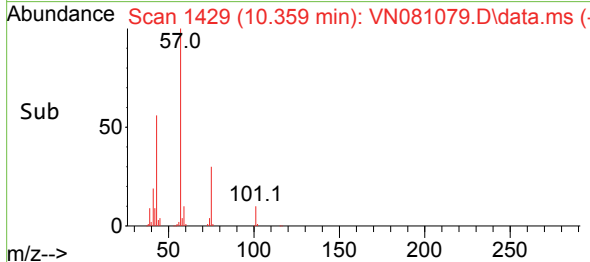
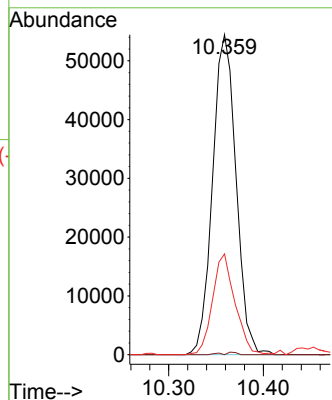
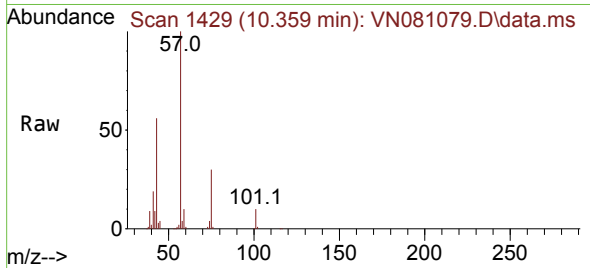




#54
 cis-1,3-Dichloropropene
 Concen: 11.385 ug/l
 RT: 10.359 min Scan# 1421
 Delta R.T. 0.047 min
 Lab File: VN081079.D
 Acq: 19 Feb 2024 16:30

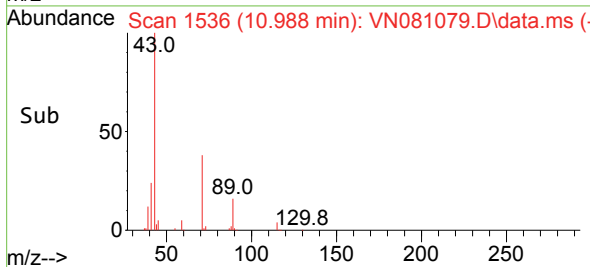
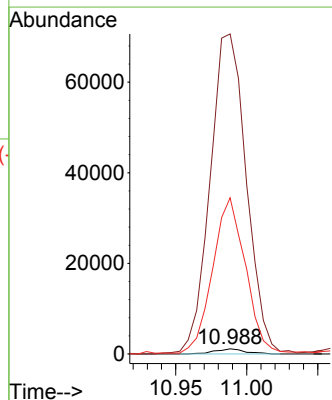
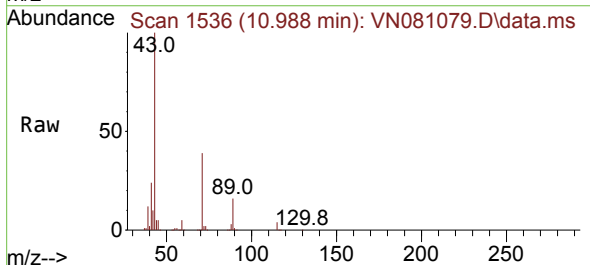
Instrument :
 MSVOA_N
 ClientSampleId :
 WC-1D

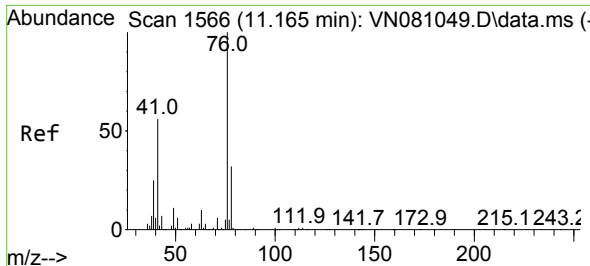
Tgt Ion: 75 Resp: 93819
 Ion Ratio Lower Upper
 75 100
 77 0.0 23.3 34.9#
 39 31.5 44.6 66.8#



#56
 Ethyl methacrylate
 Concen: 0.227 ug/l
 RT: 10.988 min Scan# 1536
 Delta R.T. 0.112 min
 Lab File: VN081079.D
 Acq: 19 Feb 2024 16:30

Tgt Ion: 69 Resp: 1677
 Ion Ratio Lower Upper
 69 100
 41 7493.9 61.0 91.6#
 39 3281.8 31.8 47.6#





#57

1,3-Dichloropropane

Concen: 1.209 ug/l

RT: 11.200 min Scan# 1572

Delta R.T. 0.035 min

Lab File: VN081079.D

Acq: 19 Feb 2024 16:30

Instrument :

MSVOA_N

ClientSampleId :

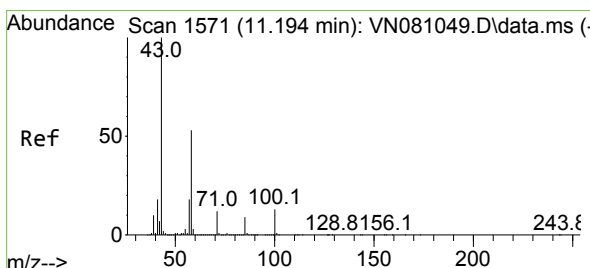
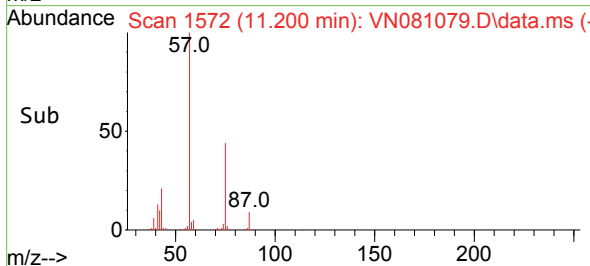
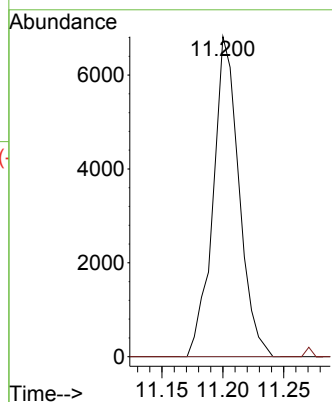
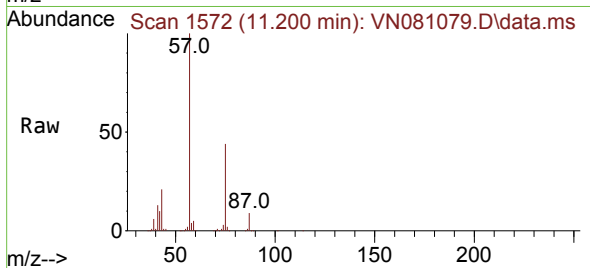
WC-1D

Tgt Ion: 76 Resp: 10123

Ion Ratio Lower Upper

76 100

78 0.0 25.5 38.3#



#59

2-Hexanone

Concen: 40.177 ug/l

RT: 11.171 min Scan# 1567

Delta R.T. -0.024 min

Lab File: VN081079.D

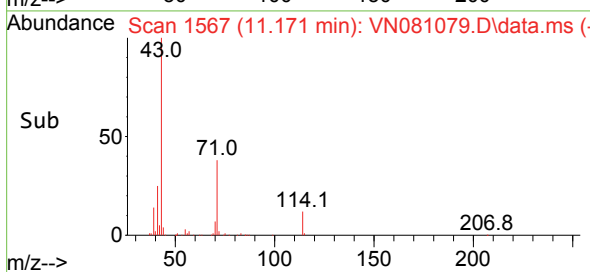
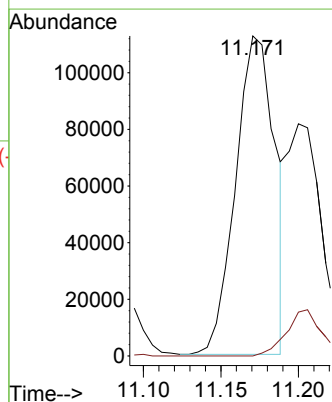
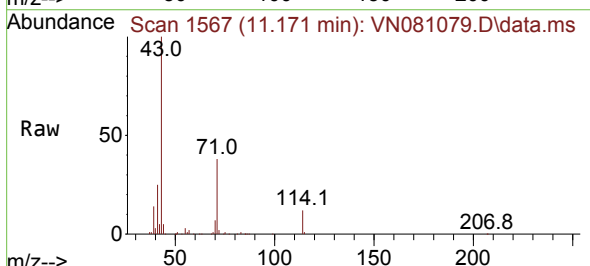
Acq: 19 Feb 2024 16:30

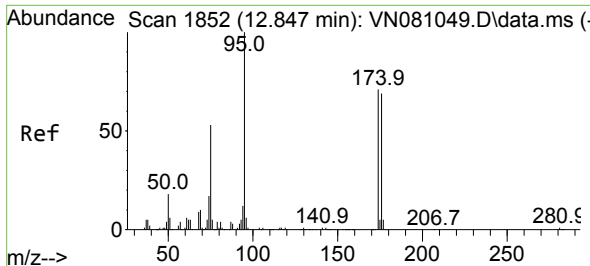
Tgt Ion: 43 Resp: 198677

Ion Ratio Lower Upper

43 100

58 0.0 25.9 77.8#

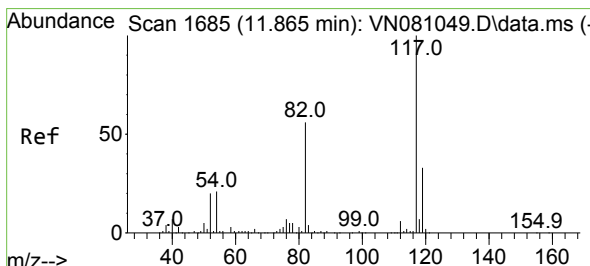
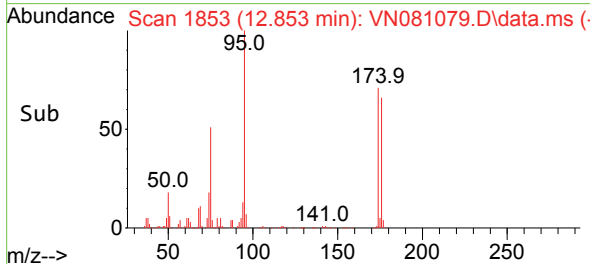
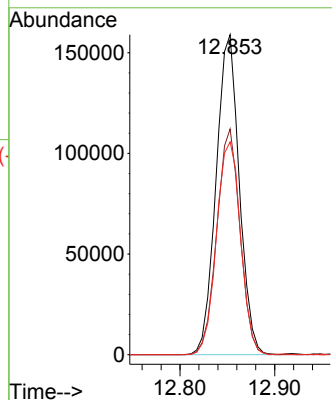
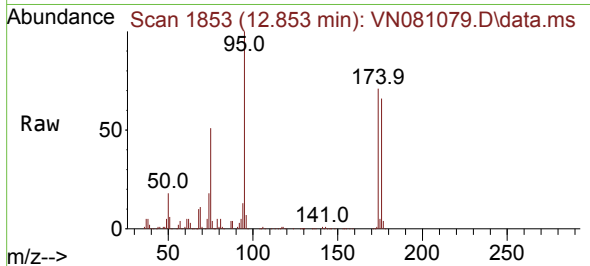




#62
4-Bromofluorobenzene
Concen: 50.511 ug/l
RT: 12.853 min Scan# 1853
Delta R.T. 0.006 min
Lab File: VN081079.D
Acq: 19 Feb 2024 16:30

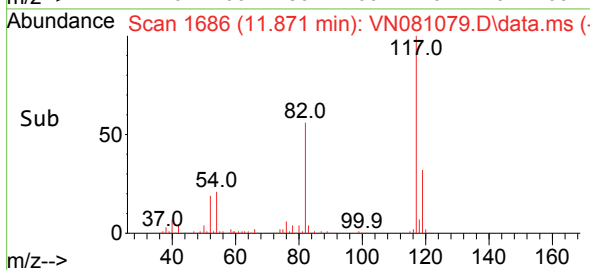
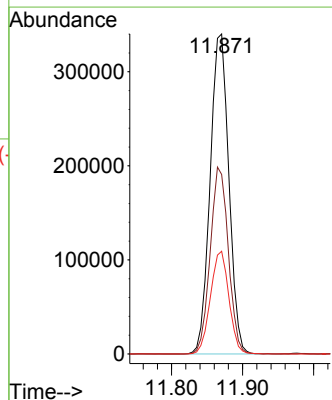
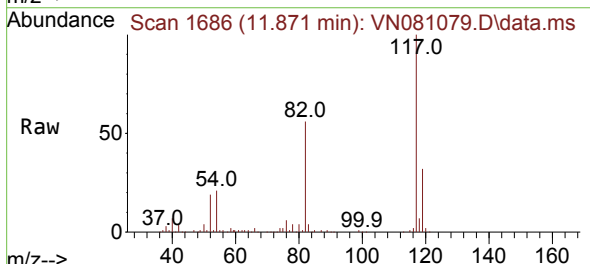
Instrument :
MSVOA_N
ClientSampleId :
WC-1D

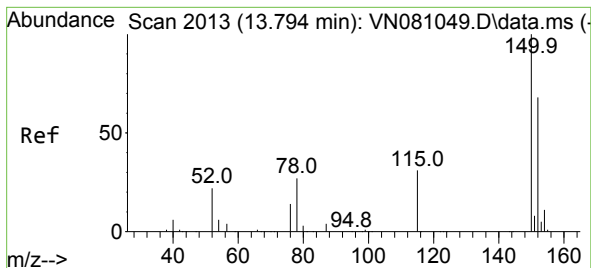
Tgt Ion: 95 Resp: 270297
Ion Ratio Lower Upper
95 100
174 70.5 0.0 120.4
176 69.1 0.0 121.0



#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.871 min Scan# 1686
Delta R.T. 0.006 min
Lab File: VN081079.D
Acq: 19 Feb 2024 16:30

Tgt Ion: 117 Resp: 621540
Ion Ratio Lower Upper
117 100
82 56.1 52.7 79.1
119 32.1 25.3 37.9





#72

1,4-Dichlorobenzene-d4

Concen: 50.000 ug/l

RT: 13.794 min Scan# 20

Delta R.T. -0.000 min

Lab File: VN081079.D

Acq: 19 Feb 2024 16:30

Instrument :

MSVOA_N

ClientSampleId :

WC-1D

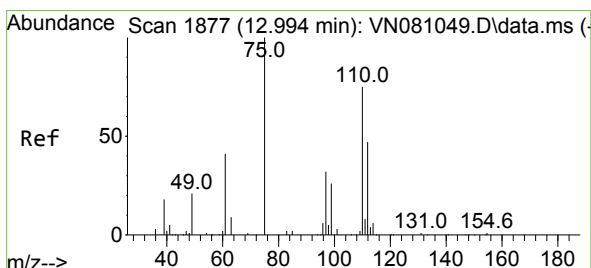
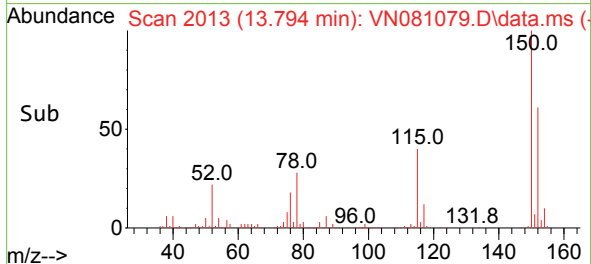
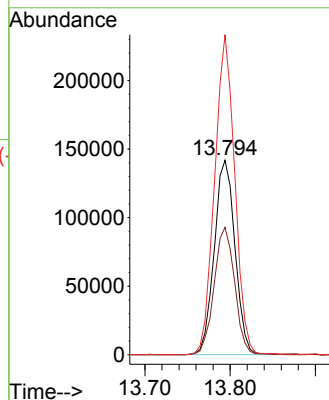
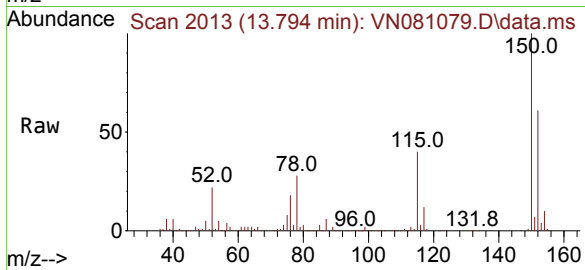
Tgt Ion:152 Resp: 240225

Ion Ratio Lower Upper

152 100

115 64.8 32.3 96.8

150 159.9 0.0 339.8



#76

1,2,3-Trichloropropane

Concen: 26.351 ug/l

RT: 12.847 min Scan# 1852

Delta R.T. -0.147 min

Lab File: VN081079.D

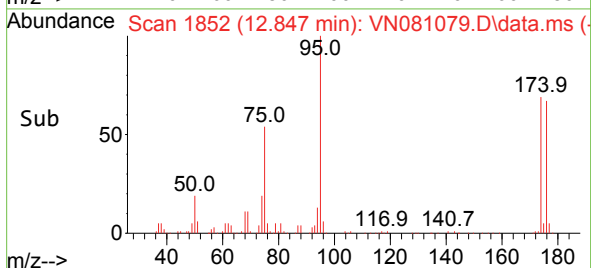
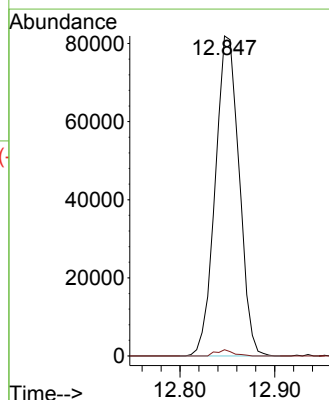
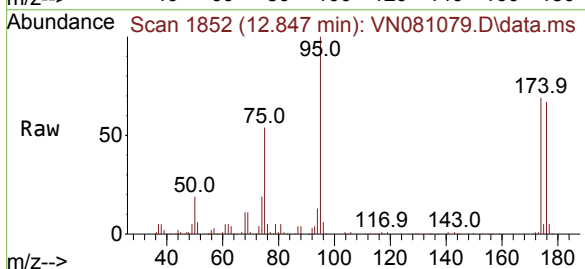
Acq: 19 Feb 2024 16:30

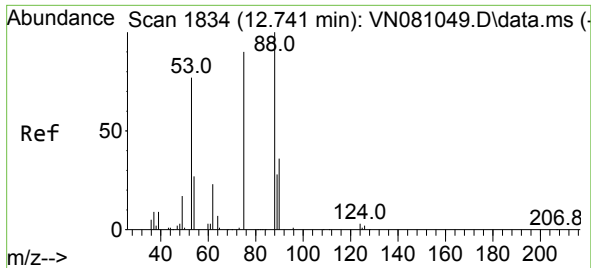
Tgt Ion: 75 Resp: 143824

Ion Ratio Lower Upper

75 100

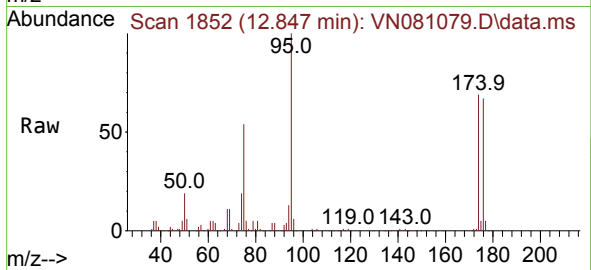
77 1.4 91.0 272.8#





#81
trans-1,4-Dichloro-2-butene
Concen: 67.825 ug/l
RT: 12.847 min Scan# 11
Delta R.T. 0.106 min
Lab File: VN081079.D
Acq: 19 Feb 2024 16:30

Instrument :
MSVOA_N
ClientSampleId :
WC-1D



Tgt Ion: 75 Resp: 143824
Ion Ratio Lower Upper
75 100
53 0.0 71.4 107.2#
89 0.0 33.4 50.0#

