

Data Path : Z:\voasrv\HPCHEM1\MSVOA_N\Data\VN030124\
 Data File : VN081285.D
 Acq On : 01 Mar 2024 15:07
 Operator : JC\MD
 Sample : P1602-03
 Misc : 5.0mL/MSVOA_N/WATER
 ALS Vial : 14 Sample Multiplier: 1

Instrument :
 MSVOA_N
 ClientSampleId :
 WC-1

Quant Time: Mar 01 22:18:41 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)

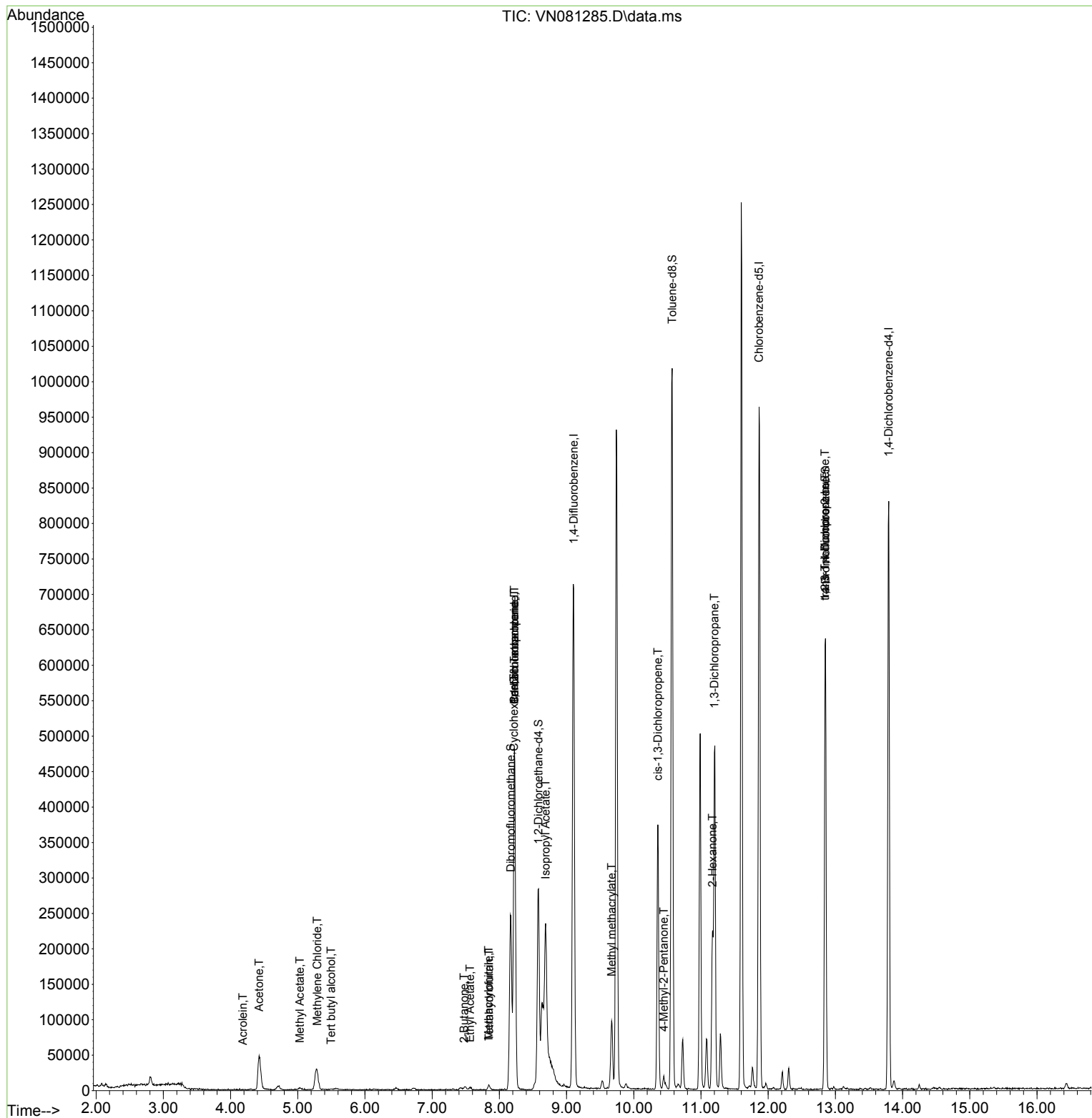
Internal Standards						
1) Pentafluorobenzene	8.224	168	324596	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	9.106	114	628222	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.865	117	553708	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.794	152	210979	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.583	65	226183	56.849	ug/l	0.00
Spiked Amount 50.000	Range 74 - 125		Recovery = 113.700%			
35) Dibromofluoromethane	8.171	113	177041	49.837	ug/l	0.00
Spiked Amount 50.000	Range 75 - 124		Recovery = 99.680%			
50) Toluene-d8	10.571	98	710575	56.318	ug/l	0.00
Spiked Amount 50.000	Range 86 - 113		Recovery = 112.640%			
62) 4-Bromofluorobenzene	12.853	95	220411	46.491	ug/l	0.00
Spiked Amount 50.000	Range 83 - 123		Recovery = 92.980%			
Target Compounds						
					Qvalue	
3) Chloromethane	2.365	50	125	Below Cal	#	1
6) Chloroethane	3.112	64	67	Below Cal	#	42
11) Tert butyl alcohol	5.495	59	510	0.697	ug/l #	72
13) Acrolein	4.183	56	317	0.808	ug/l #	61
16) Acetone	4.424	43	90099	57.553	ug/l	93
18) Methyl Acetate	5.030	43	5785	1.515	ug/l #	77
20) Methylene Chloride	5.289	84	24463	5.208	ug/l #	87
25) 2-Butanone	7.477	43	8173	3.232	ug/l #	87
29) Tetrahydrofuran	7.847	42	4180	2.476	ug/l #	91
31) Cyclohexane	8.218	56	9566	1.392	ug/l #	28
36) 1,1-Dichloropropene	8.224	75	29953	4.922	ug/l #	51
37) Ethyl Acetate	7.565	43	5257	0.957	ug/l #	88
38) Carbon Tetrachloride	8.224	117	38075	6.184	ug/l #	20
41) Methacrylonitrile	7.841	41	3035	0.971	ug/l #	49
43) Isopropyl Acetate	8.688	43	463817	48.282	ug/l #	72
48) Methyl methacrylate	9.671	41	6030	1.349	ug/l #	43
49) 1,4-Dioxane	9.682	88	70	Below Cal	#	1
51) 4-Methyl-2-Pentanone	10.447	43	16786	3.038	ug/l	89
54) cis-1,3-Dichloropropene	10.359	75	67732	9.277	ug/l #	60
57) 1,3-Dichloropropane	11.200	76	5208	0.702	ug/l #	45
59) 2-Hexanone	11.171	43	236956	54.086	ug/l #	26
76) 1,2,3-Trichloropropane	12.847	75	123568	25.778	ug/l #	1
81) trans-1,4-Dichloro-2-b...	12.847	75	123568	66.350	ug/l #	14

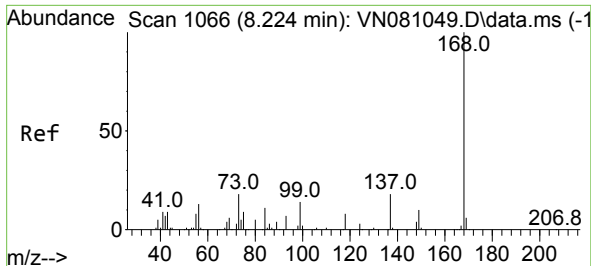
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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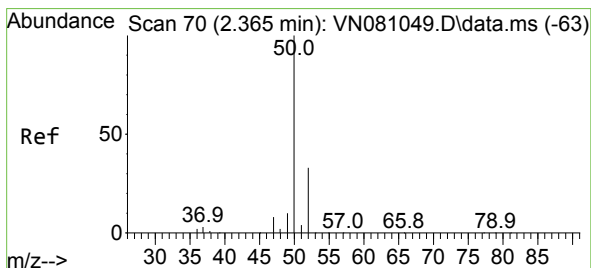
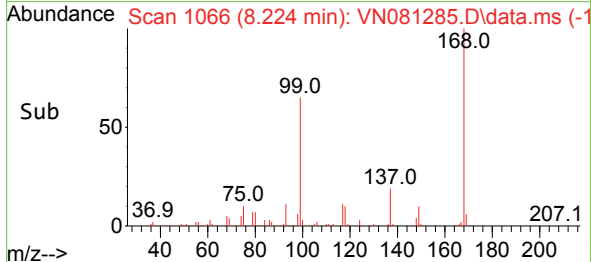
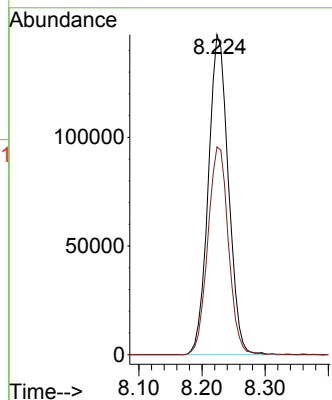
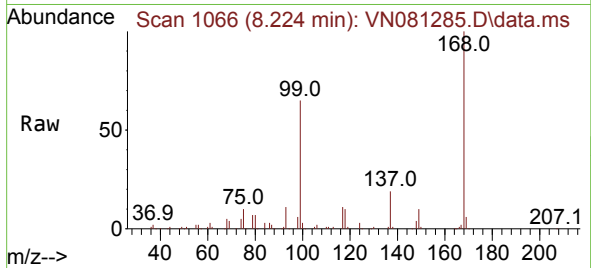




#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 8.224 min Scan# 10
Delta R.T. -0.000 min
Lab File: VN081285.D
Acq: 01 Mar 2024 15:07

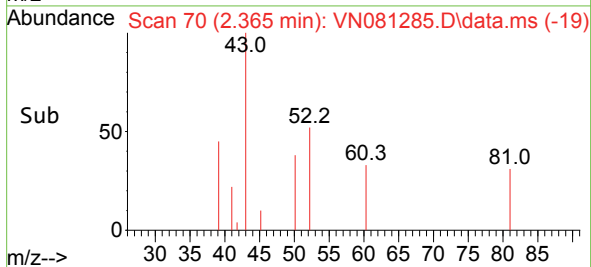
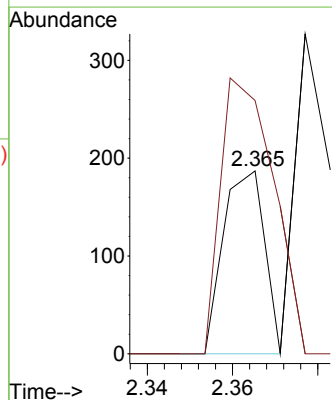
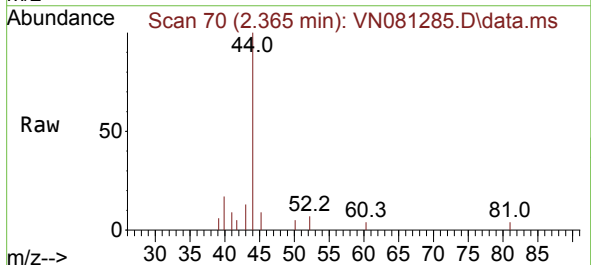
Instrument :
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WC-1

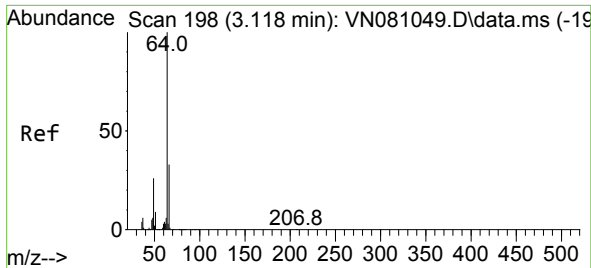
Tgt Ion:168 Resp: 324596
Ion Ratio Lower Upper
168 100
99 65.0 59.9 89.9



#3
Chloromethane
Concen: Below Cal
RT: 2.365 min Scan# 70
Delta R.T. 0.000 min
Lab File: VN081285.D
Acq: 01 Mar 2024 15:07

Tgt Ion: 50 Resp: 125
Ion Ratio Lower Upper
50 100
52 138.5 25.0 37.4#

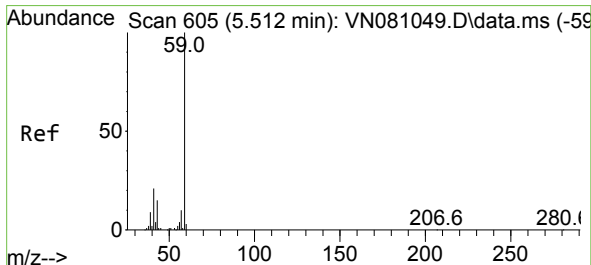
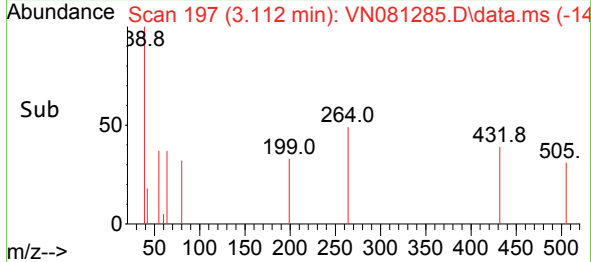
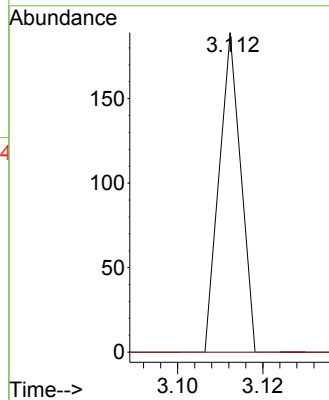
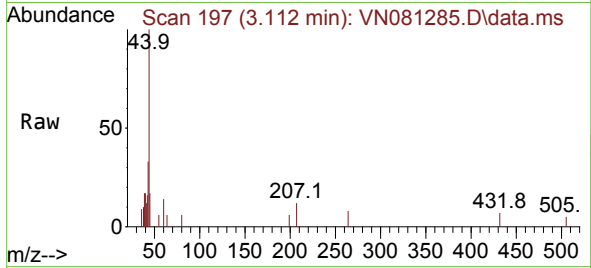




#6
Chloroethane
Concen: Below Cal
RT: 3.112 min Scan# 19
Delta R.T. -0.006 min
Lab File: VN081285.D
Acq: 01 Mar 2024 15:07

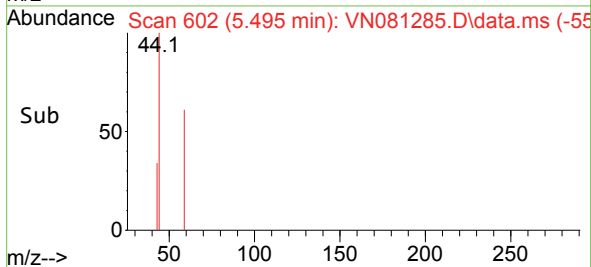
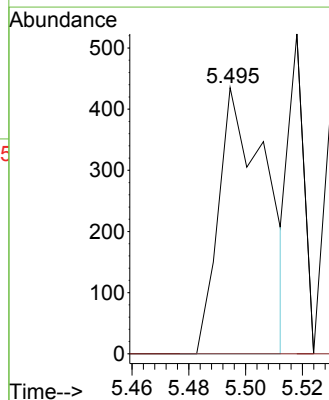
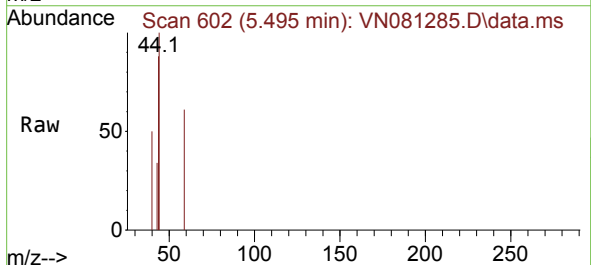
Instrument :
MSVOA_N
ClientSampleId :
WC-1

Tgt Ion: 64 Resp: 67
Ion Ratio Lower Upper
64 100
66 0.0 26.4 39.6#



#11
Tert butyl alcohol
Concen: 0.697 ug/l
RT: 5.495 min Scan# 602
Delta R.T. -0.018 min
Lab File: VN081285.D
Acq: 01 Mar 2024 15:07

Tgt Ion: 59 Resp: 510
Ion Ratio Lower Upper
59 100
57 0.0 8.6 12.8#

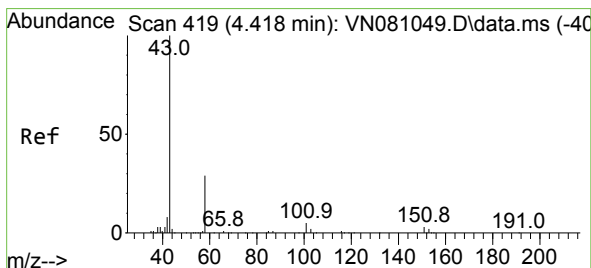
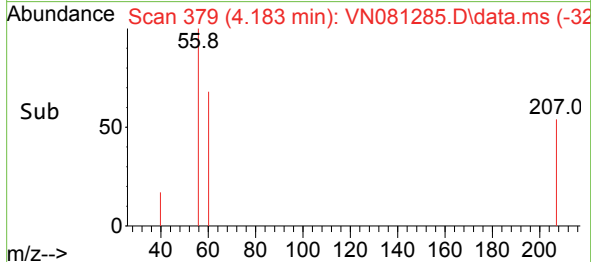
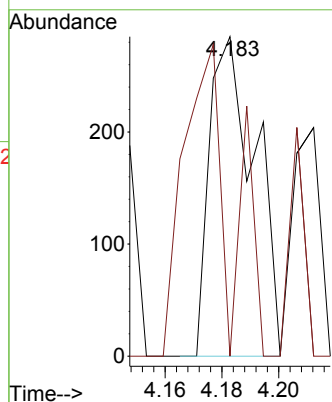
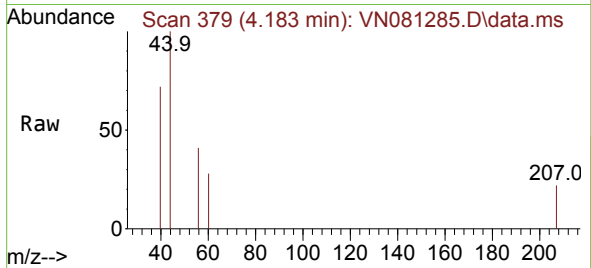




#13
Acrolein
Concen: 0.808 ug/l
RT: 4.183 min Scan# 317
Delta R.T. 0.006 min
Lab File: VN081285.D
Acq: 01 Mar 2024 15:07

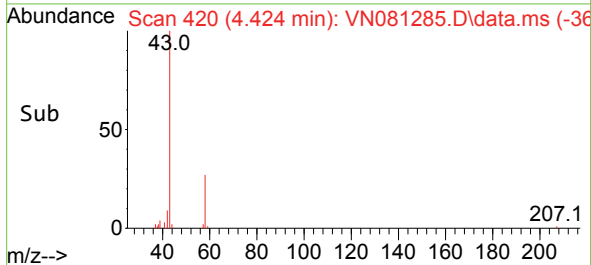
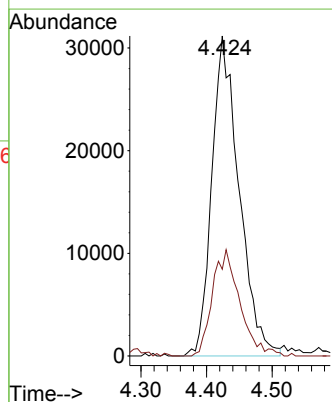
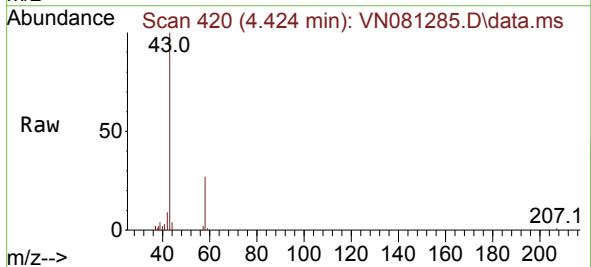
Instrument :
MSVOA_N
ClientSampleId :
WC-1

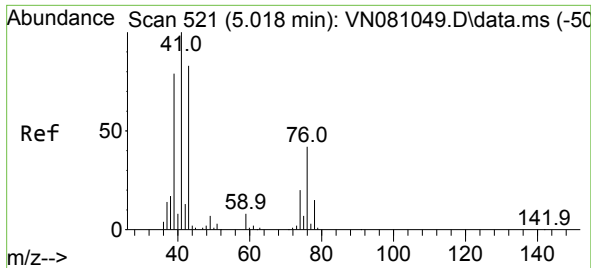
Tgt Ion: 56 Resp: 317
Ion Ratio Lower Upper
56 100
55 100.9 55.3 82.9#



#16
Acetone
Concen: 57.553 ug/l
RT: 4.424 min Scan# 420
Delta R.T. 0.006 min
Lab File: VN081285.D
Acq: 01 Mar 2024 15:07

Tgt Ion: 43 Resp: 90099
Ion Ratio Lower Upper
43 100
58 27.1 24.8 37.2

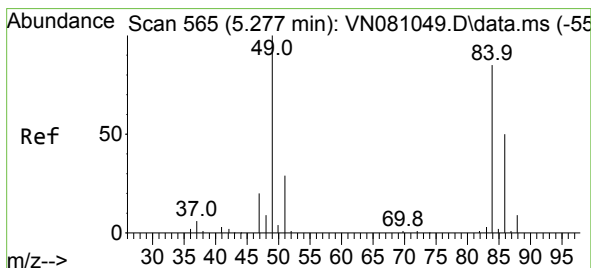
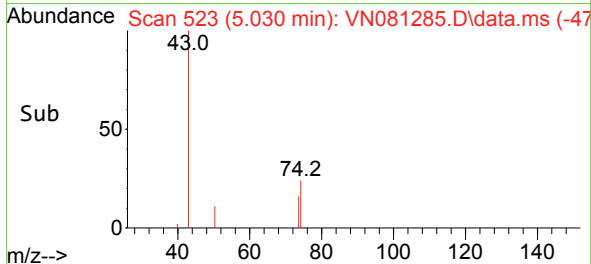
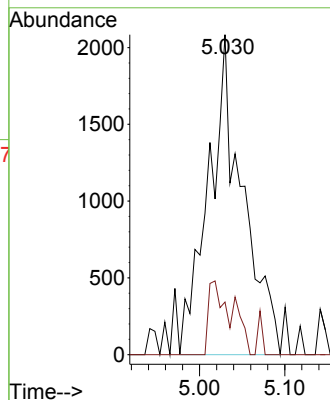
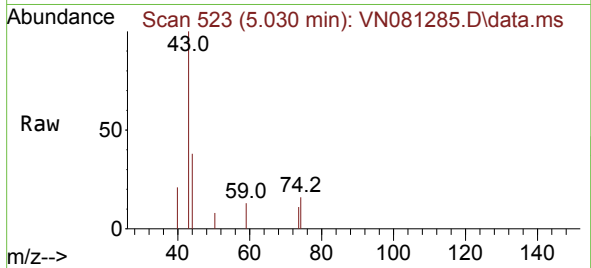




#18
Methyl Acetate
Concen: 1.515 ug/l
RT: 5.030 min Scan# 51
Delta R.T. 0.012 min
Lab File: VN081285.D
Acq: 01 Mar 2024 15:07

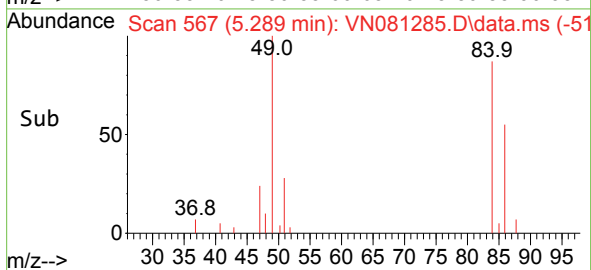
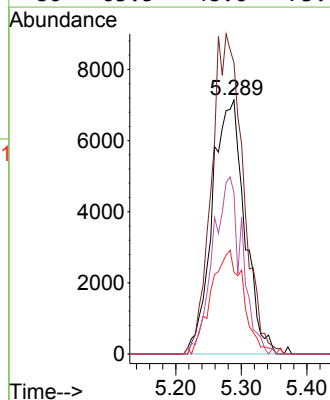
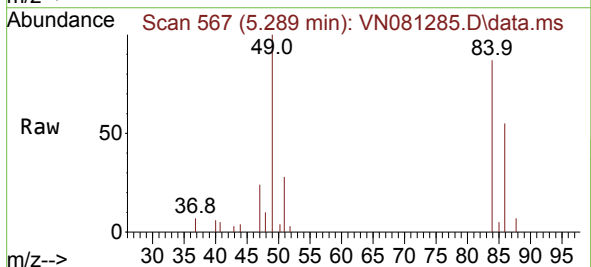
Instrument :
MSVOA_N
ClientSampleId :
WC-1

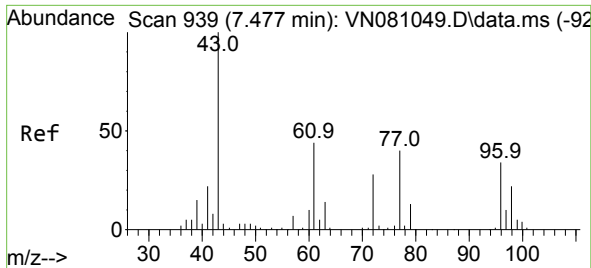
Tgt Ion: 43 Resp: 5785
Ion Ratio Lower Upper
43 100
74 10.8 17.3 25.9#



#20
Methylene Chloride
Concen: 5.208 ug/l
RT: 5.289 min Scan# 567
Delta R.T. 0.012 min
Lab File: VN081285.D
Acq: 01 Mar 2024 15:07

Tgt Ion: 84 Resp: 24463
Ion Ratio Lower Upper
84 100
49 114.9 108.1 162.1
51 32.2 32.9 49.3#
86 63.5 48.6 73.0

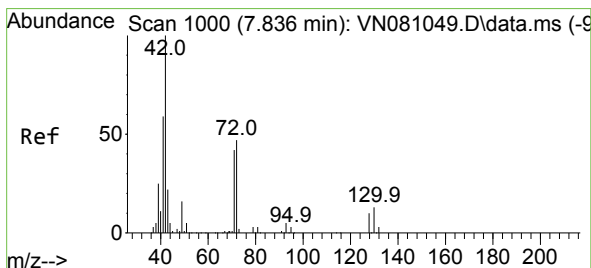
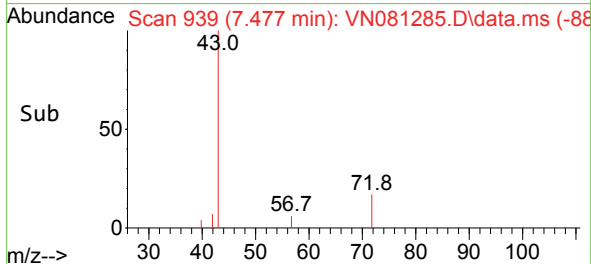
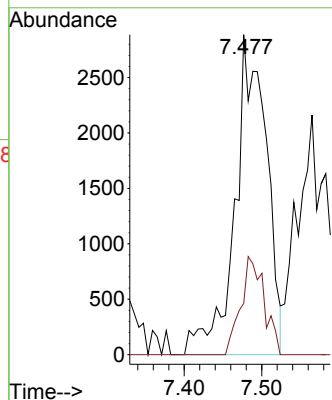
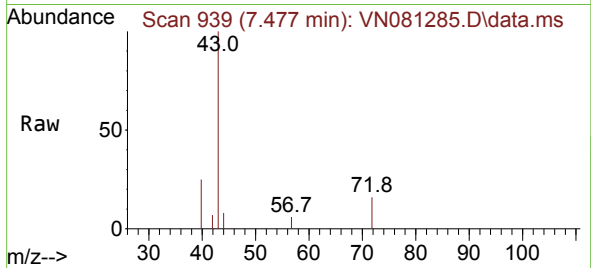




#25
2-Butanone
Concen: 3.232 ug/l
RT: 7.477 min Scan# 91
Delta R.T. -0.000 min
Lab File: VN081285.D
Acq: 01 Mar 2024 15:07

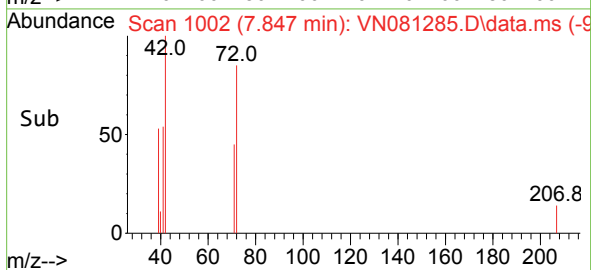
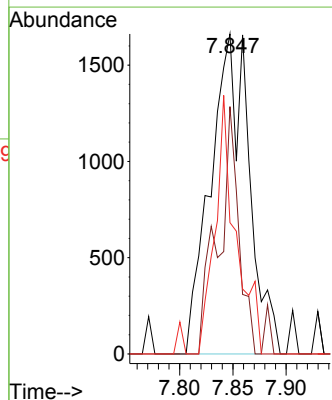
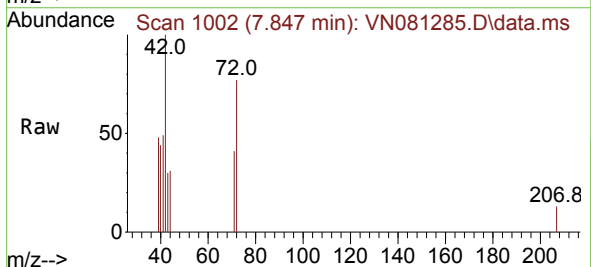
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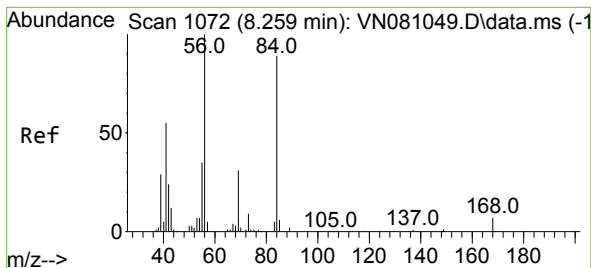
Tgt Ion: 43 Resp: 8173
Ion Ratio Lower Upper
43 100
72 18.0 19.5 29.3#



#29
Tetrahydrofuran
Concen: 2.476 ug/l
RT: 7.847 min Scan# 1002
Delta R.T. 0.012 min
Lab File: VN081285.D
Acq: 01 Mar 2024 15:07

Tgt Ion: 42 Resp: 4180
Ion Ratio Lower Upper
42 100
72 41.2 31.1 46.7
71 43.5 28.3 42.5#





#31

Cyclohexane

Concen: 1.392 ug/l

RT: 8.218 min Scan# 1065

Delta R.T. -0.041 min

Lab File: VN081285.D

Acq: 01 Mar 2024 15:07

Instrument :

MSVOA_N

ClientSampleId :

WC-1

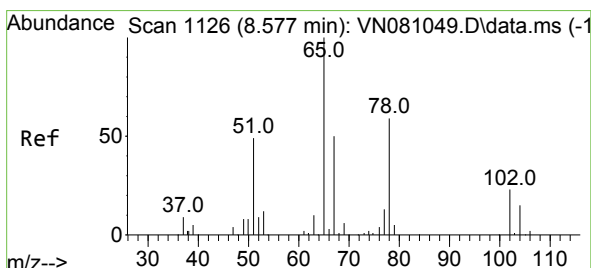
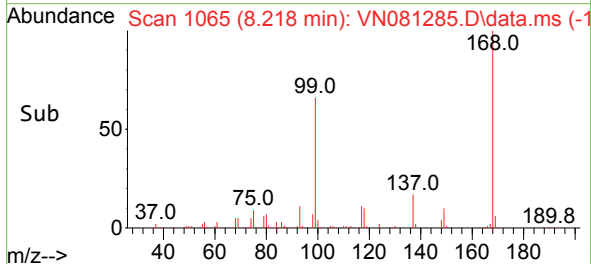
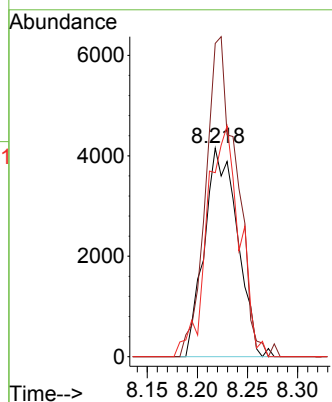
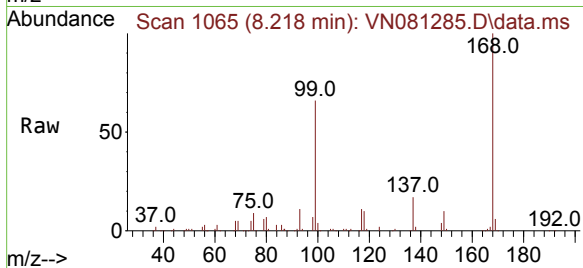
Tgt Ion: 56 Resp: 9566

Ion Ratio Lower Upper

56 100

69 142.6 20.1 30.1#

84 83.8 56.9 85.3



#33

1,2-Dichloroethane-d4

Concen: 56.849 ug/l

RT: 8.583 min Scan# 1127

Delta R.T. 0.006 min

Lab File: VN081285.D

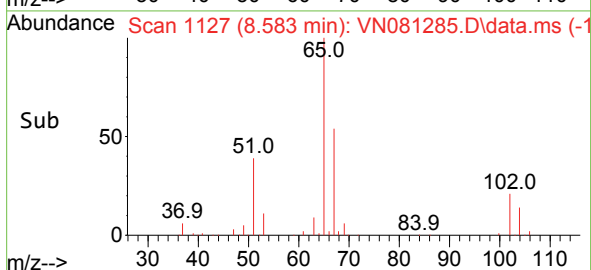
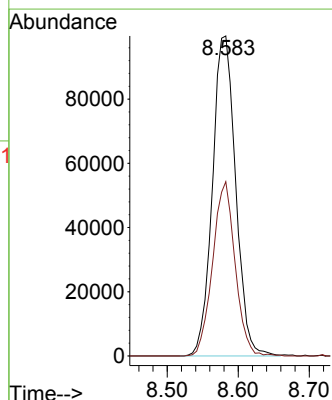
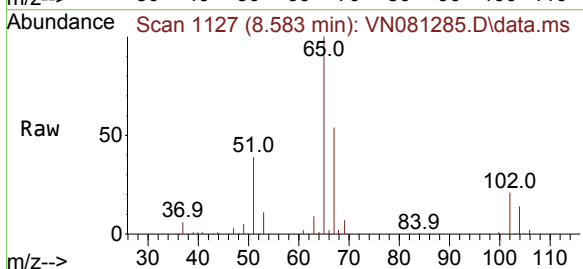
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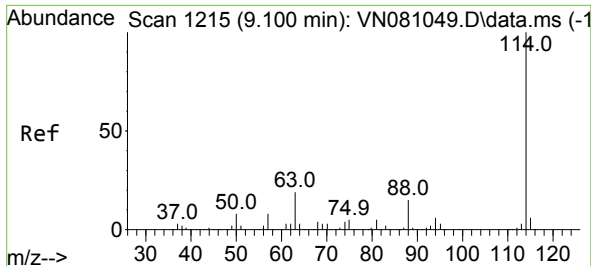
Tgt Ion: 65 Resp: 226183

Ion Ratio Lower Upper

65 100

67 52.6 0.0 102.4

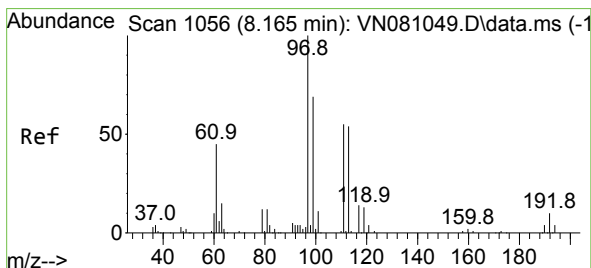
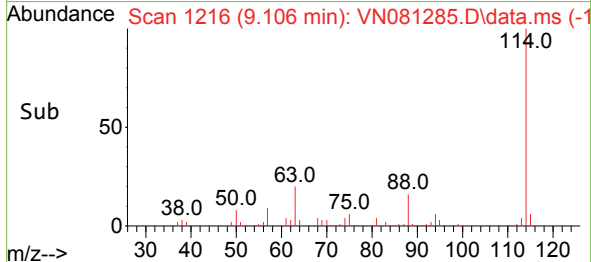
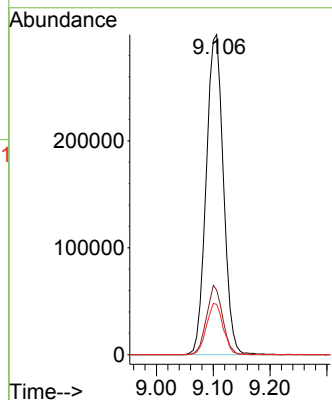
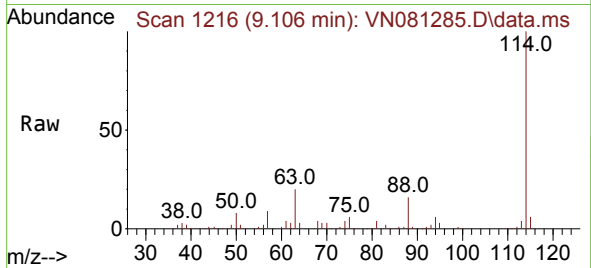




#34
1,4-Difluorobenzene
Concen: 50.000 ug/l
RT: 9.106 min Scan# 11
Delta R.T. 0.006 min
Lab File: VN081285.D
Acq: 01 Mar 2024 15:07

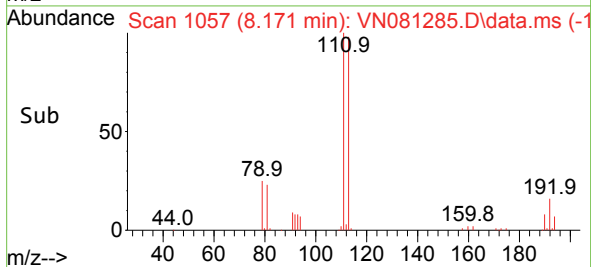
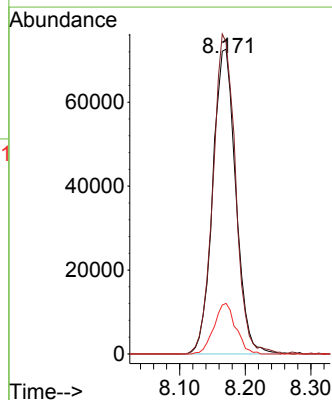
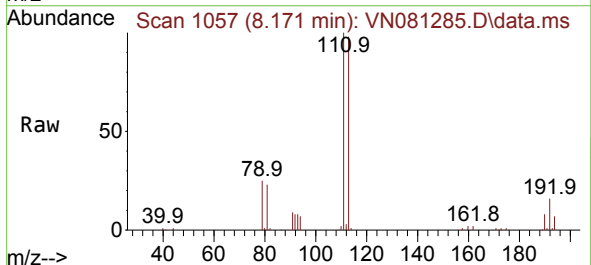
Instrument :
MSVOA_N
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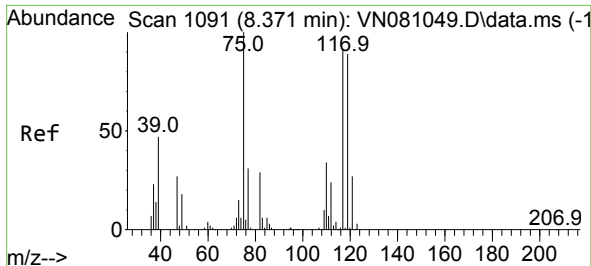
Tgt Ion:114 Resp: 628222
Ion Ratio Lower Upper
114 100
63 20.2 0.0 48.0
88 15.7 0.0 34.8



#35
Dibromofluoromethane
Concen: 49.837 ug/l
RT: 8.171 min Scan# 1057
Delta R.T. 0.006 min
Lab File: VN081285.D
Acq: 01 Mar 2024 15:07

Tgt Ion:113 Resp: 177041
Ion Ratio Lower Upper
113 100
111 102.5 82.2 123.4
192 15.7 12.5 18.7

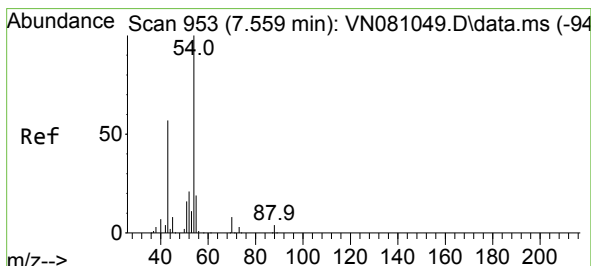
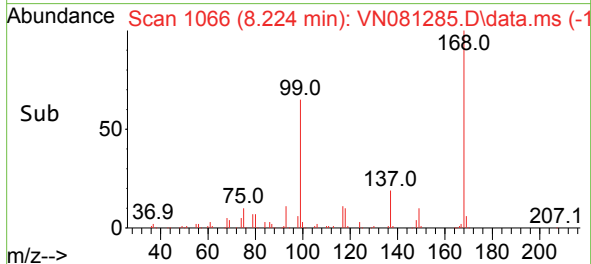
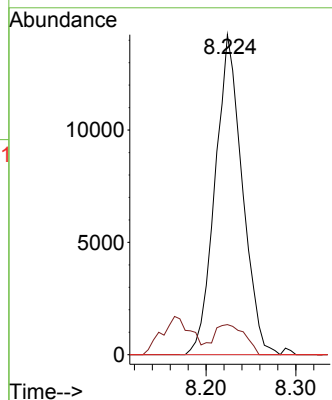
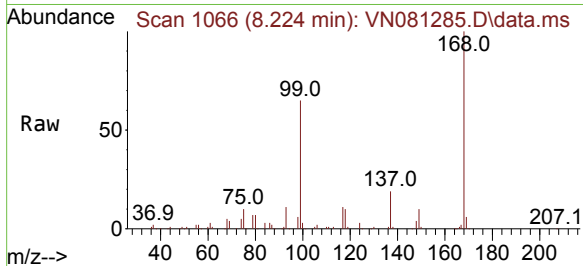




#36
1,1-Dichloropropene
Concen: 4.922 ug/l
RT: 8.224 min Scan# 1066
Delta R.T. -0.147 min
Lab File: VN081285.D
Acq: 01 Mar 2024 15:07

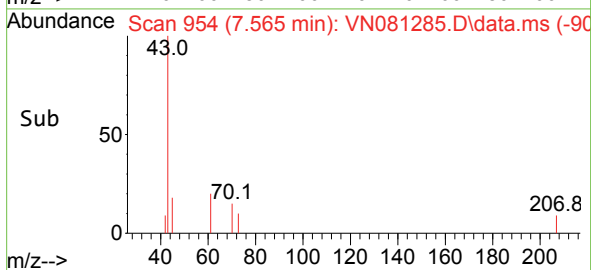
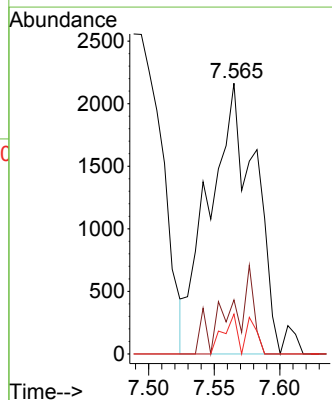
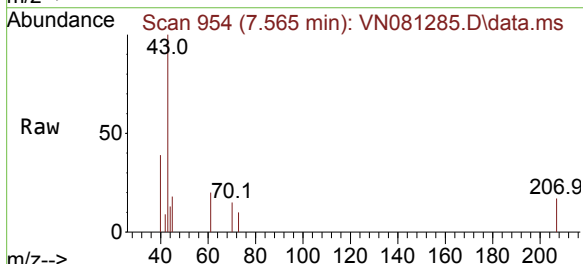
Instrument :
MSVOA_N
ClientSampleId :
WC-1

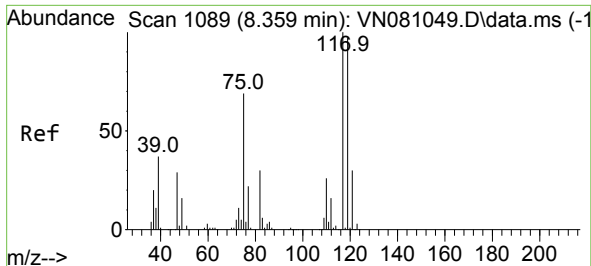
Tgt Ion: 75 Resp: 29953
Ion Ratio Lower Upper
75 100
110 9.8 16.0 48.0#
77 0.0 25.8 38.6#



#37
Ethyl Acetate
Concen: 0.957 ug/l
RT: 7.565 min Scan# 954
Delta R.T. 0.006 min
Lab File: VN081285.D
Acq: 01 Mar 2024 15:07

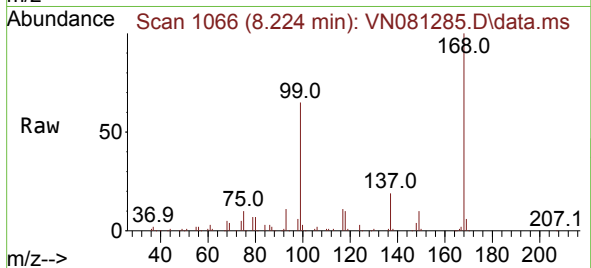
Tgt Ion: 43 Resp: 5257
Ion Ratio Lower Upper
43 100
61 17.0 10.6 15.8#
70 4.5 8.0 12.0#



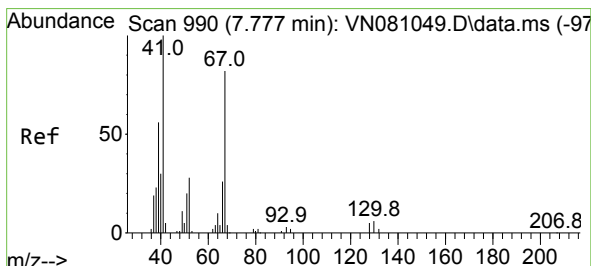
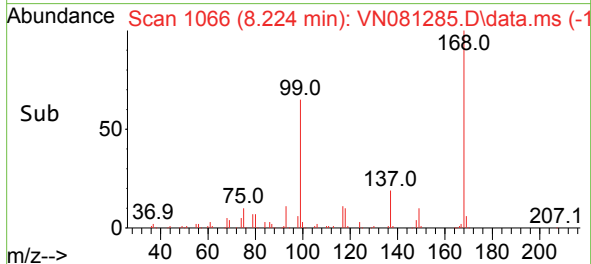
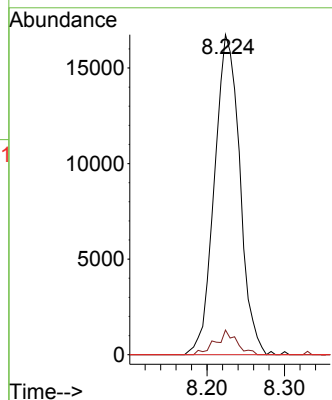


#38
Carbon Tetrachloride
Concen: 6.184 ug/l
RT: 8.224 min Scan# 1066
Delta R.T. -0.135 min
Lab File: VN081285.D
Acq: 01 Mar 2024 15:07

Instrument :
MSVOA_N
ClientSampleId :
WC-1

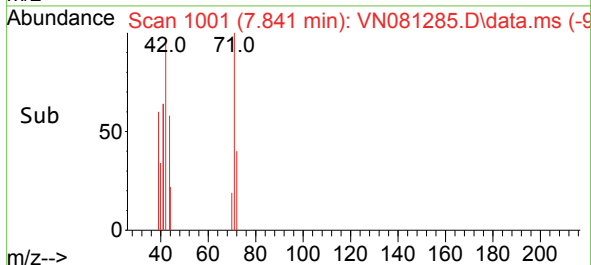
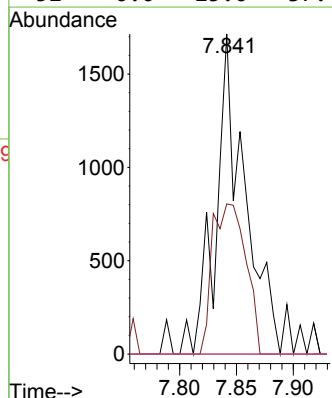
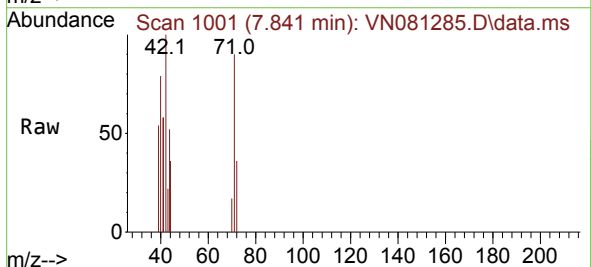


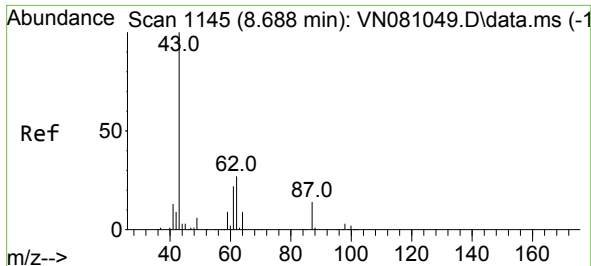
Tgt Ion:117 Resp: 38075
Ion Ratio Lower Upper
117 100
119 7.7 73.4 110.2#
121 0.0 24.4 36.6#



#41
Methacrylonitrile
Concen: 0.971 ug/l
RT: 7.841 min Scan# 1001
Delta R.T. 0.065 min
Lab File: VN081285.D
Acq: 01 Mar 2024 15:07

Tgt Ion: 41 Resp: 3035
Ion Ratio Lower Upper
41 100
39 54.4 48.4 72.6
67 0.0 56.8 85.2#
52 0.0 25.0 37.4#

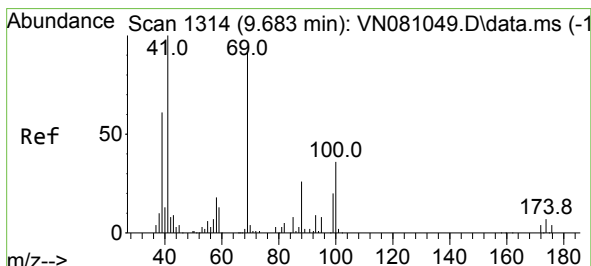
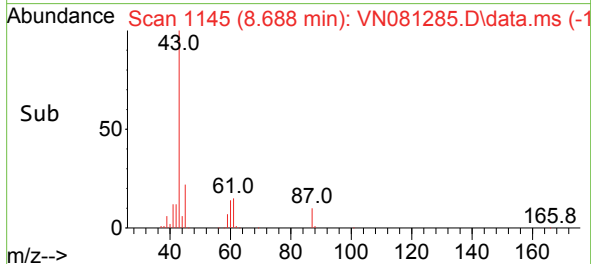
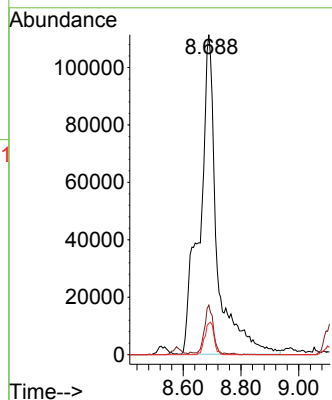
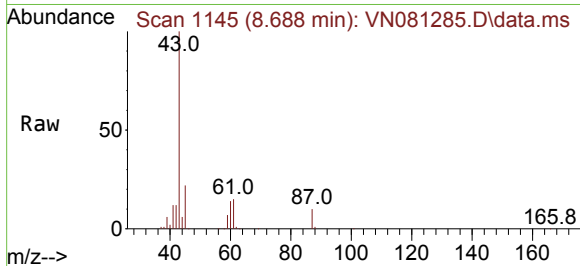




#43
Isopropyl Acetate
Concen: 48.282 ug/l
RT: 8.688 min Scan# 1145
Delta R.T. -0.000 min
Lab File: VN081285.D
Acq: 01 Mar 2024 15:07

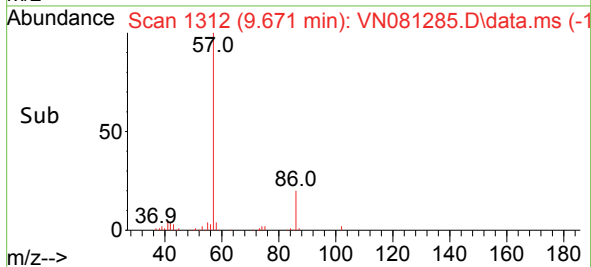
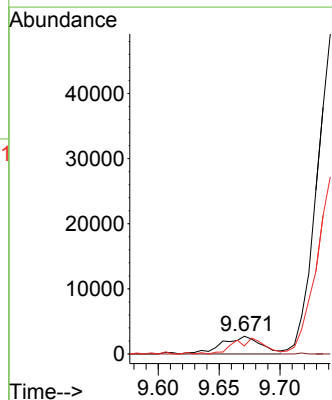
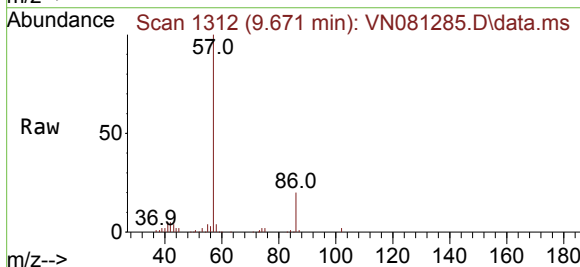
Instrument :
MSVOA_N
ClientSampleId :
WC-1

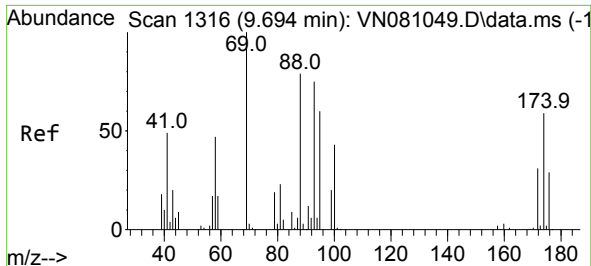
Tgt Ion: 43 Resp: 463817
Ion Ratio Lower Upper
43 100
61 7.9 19.9 29.9#
87 5.4 9.0 13.6#



#48
Methyl methacrylate
Concen: 1.349 ug/l
RT: 9.671 min Scan# 1312
Delta R.T. -0.012 min
Lab File: VN081285.D
Acq: 01 Mar 2024 15:07

Tgt Ion: 41 Resp: 6030
Ion Ratio Lower Upper
41 100
69 0.0 62.2 93.2#
39 70.6 47.6 71.4





#49

1,4-Dioxane

Concen: Below Cal

RT: 9.682 min Scan# 1

Delta R.T. -0.012 min

Lab File: VN081285.D

Acq: 01 Mar 2024 15:07

Instrument :

MSVOA_N

ClientSampleId :

WC-1

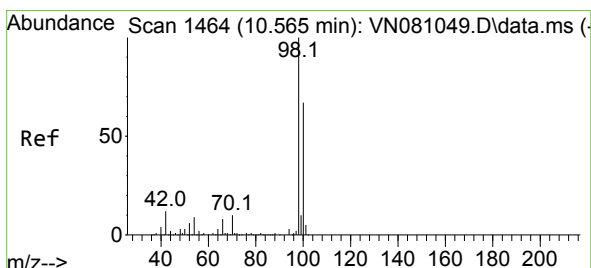
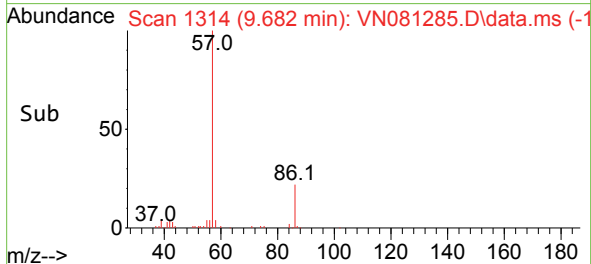
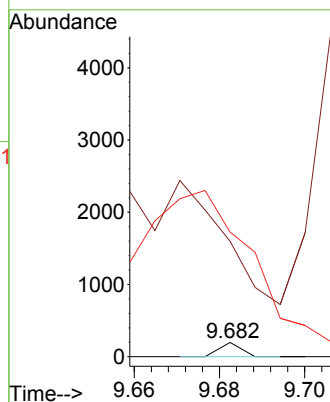
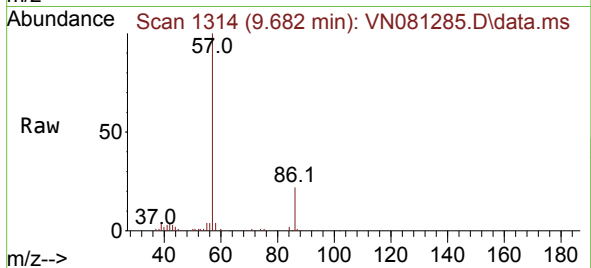
Tgt Ion: 88 Resp: 70

Ion Ratio Lower Upper

88 100

43 0.0 30.1 45.1#

58 6968.6 63.9 95.9#



#50

Toluene-d8

Concen: 56.318 ug/l

RT: 10.571 min Scan# 1465

Delta R.T. 0.006 min

Lab File: VN081285.D

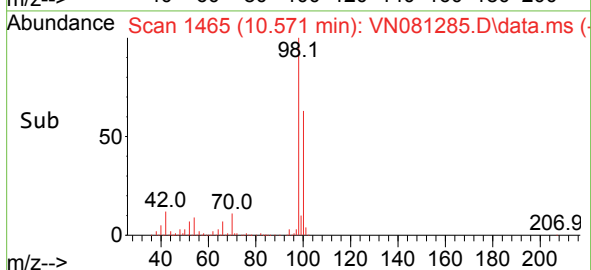
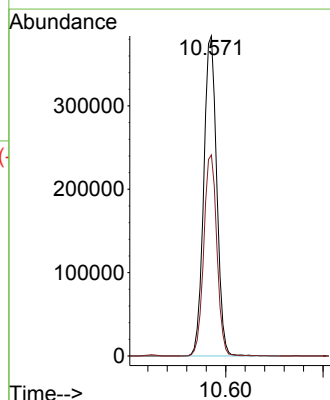
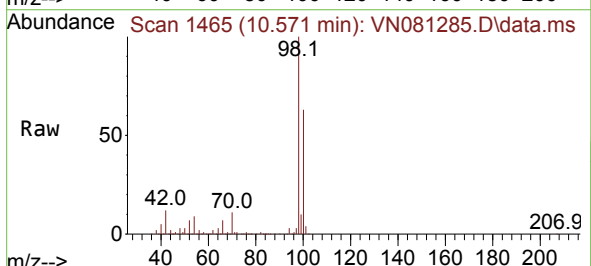
Acq: 01 Mar 2024 15:07

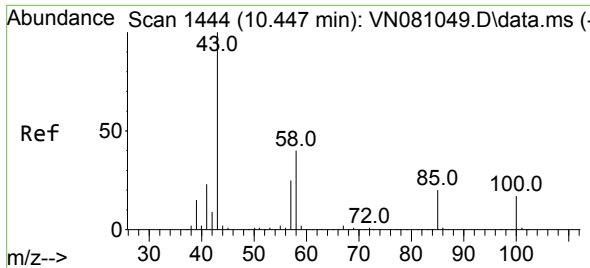
Tgt Ion: 98 Resp: 710575

Ion Ratio Lower Upper

98 100

100 63.4 51.4 77.0

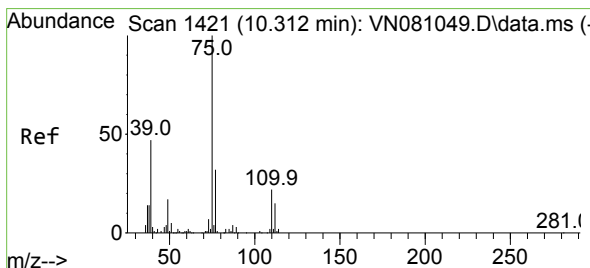
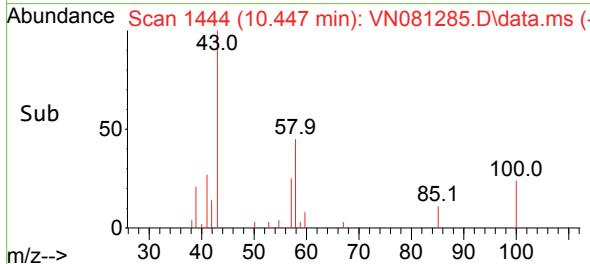
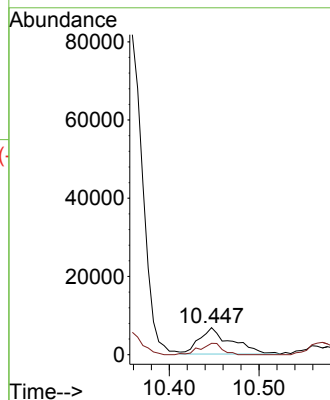
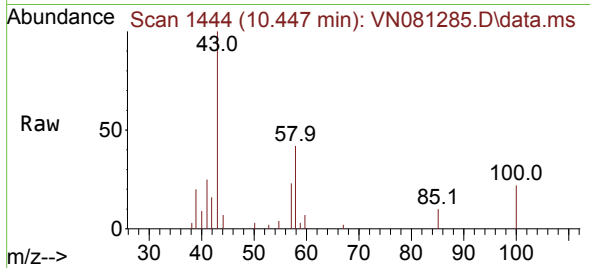




#51
4-Methyl-2-Pentanone
Concen: 3.038 ug/l
RT: 10.447 min Scan# 1444
Delta R.T. -0.000 min
Lab File: VN081285.D
Acq: 01 Mar 2024 15:07

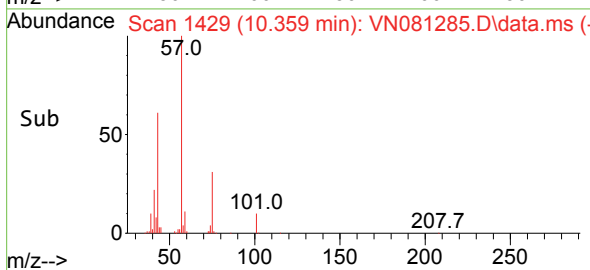
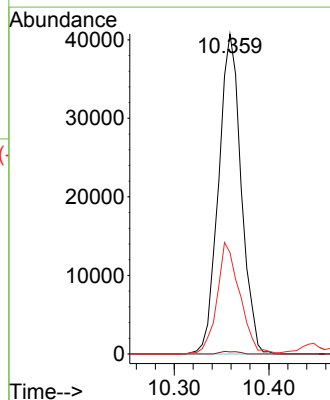
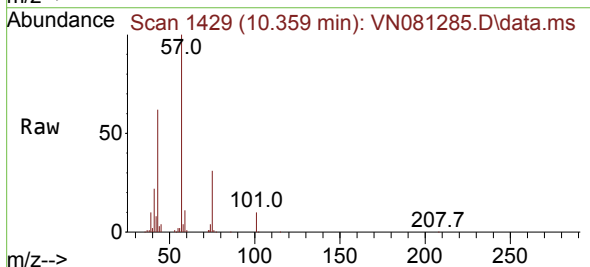
Instrument :
MSVOA_N
ClientSampleId :
WC-1

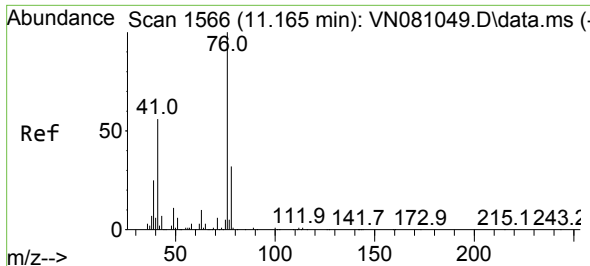
Tgt Ion: 43 Resp: 16786
Ion Ratio Lower Upper
43 100
58 30.0 29.4 44.0



#54
cis-1,3-Dichloropropene
Concen: 9.277 ug/l
RT: 10.359 min Scan# 1429
Delta R.T. 0.047 min
Lab File: VN081285.D
Acq: 01 Mar 2024 15:07

Tgt Ion: 75 Resp: 67732
Ion Ratio Lower Upper
75 100
77 0.6 23.3 34.9#
39 31.7 44.6 66.8#

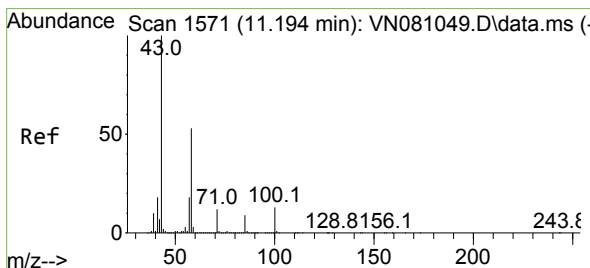
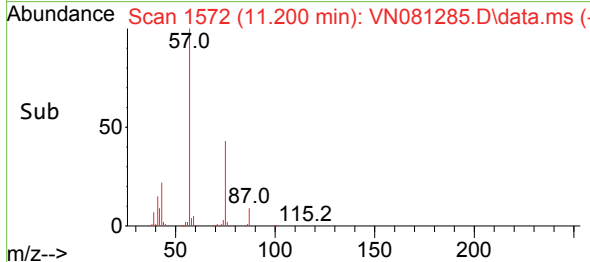
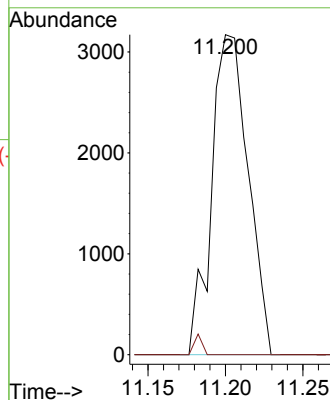
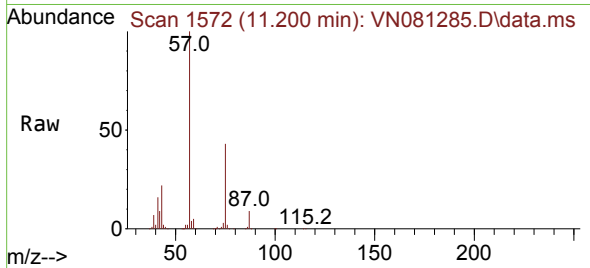




#57
1,3-Dichloropropane
Concen: 0.702 ug/l
RT: 11.200 min Scan# 1567
Delta R.T. 0.035 min
Lab File: VN081285.D
Acq: 01 Mar 2024 15:07

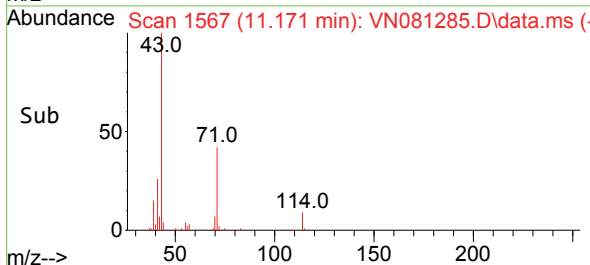
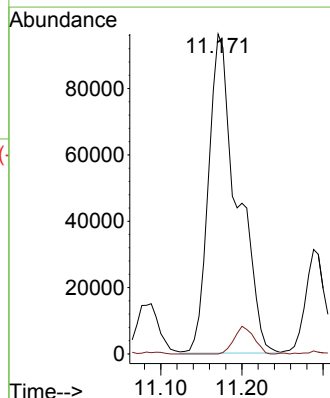
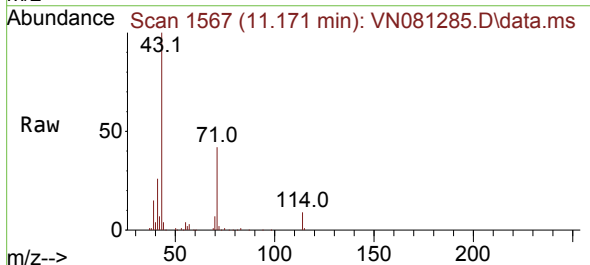
Instrument :
MSVOA_N
ClientSampleId :
WC-1

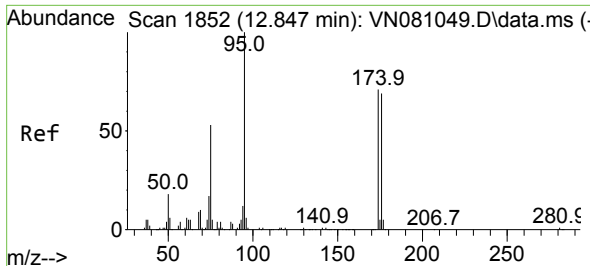
Tgt Ion: 76 Resp: 5208
Ion Ratio Lower Upper
76 100
78 1.4 25.5 38.3#



#59
2-Hexanone
Concen: 54.086 ug/l
RT: 11.171 min Scan# 1567
Delta R.T. -0.024 min
Lab File: VN081285.D
Acq: 01 Mar 2024 15:07

Tgt Ion: 43 Resp: 236956
Ion Ratio Lower Upper
43 100
58 0.0 25.9 77.8#

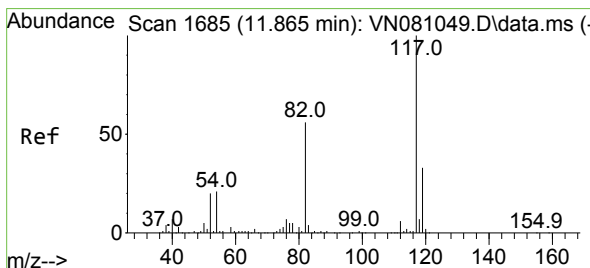
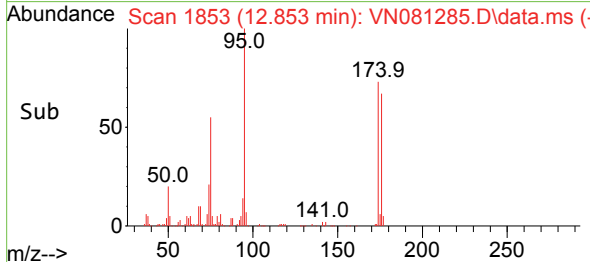
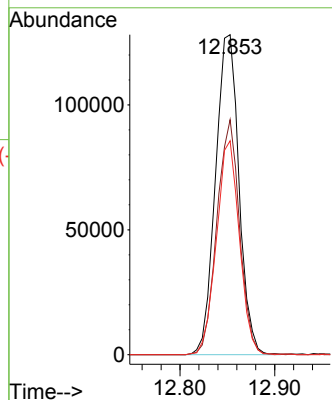
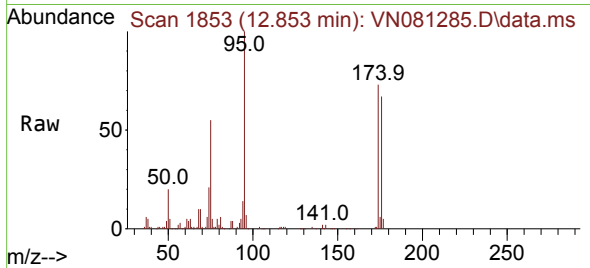




#62
4-Bromofluorobenzene
Concen: 46.491 ug/l
RT: 12.853 min Scan# 1853
Delta R.T. 0.006 min
Lab File: VN081285.D
Acq: 01 Mar 2024 15:07

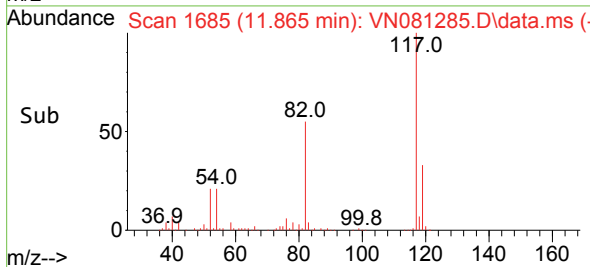
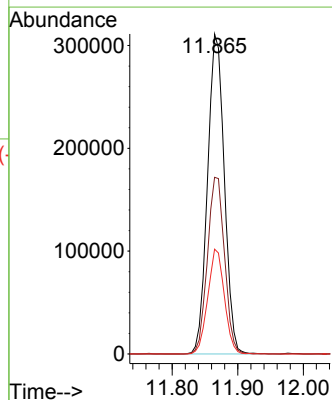
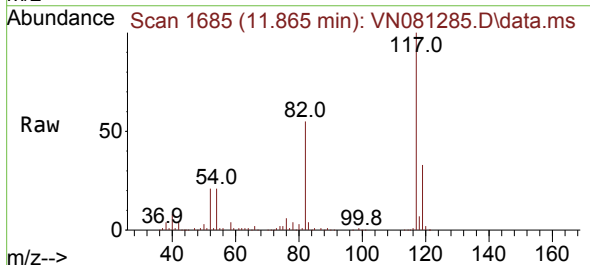
Instrument :
MSVOA_N
ClientSampleId :
WC-1

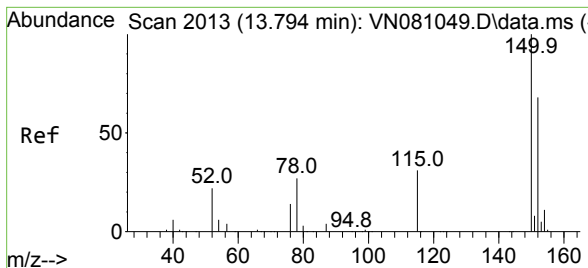
Tgt Ion: 95 Resp: 220411
Ion Ratio Lower Upper
95 100
174 71.1 0.0 120.4
176 65.4 0.0 121.0



#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.865 min Scan# 1685
Delta R.T. -0.000 min
Lab File: VN081285.D
Acq: 01 Mar 2024 15:07

Tgt Ion: 117 Resp: 553708
Ion Ratio Lower Upper
117 100
82 55.2 52.7 79.1
119 32.7 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: VN081285.D

Acq: 01 Mar 2024 15:07

Instrument :

MSVOA_N

ClientSampleId :

WC-1

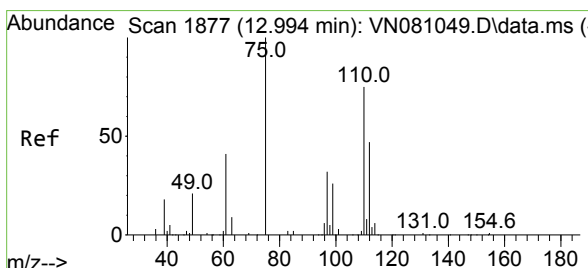
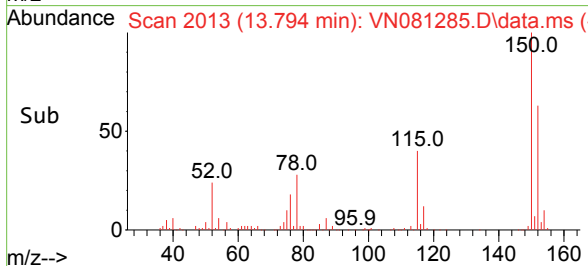
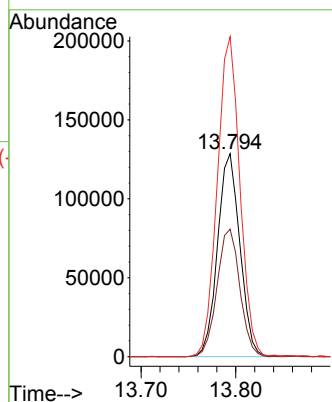
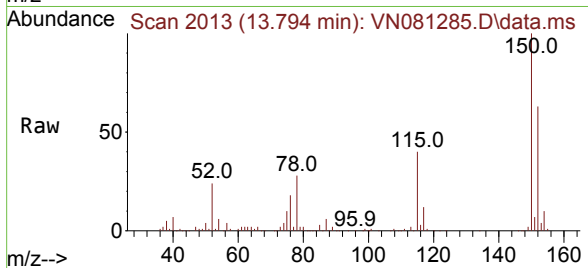
Tgt Ion:152 Resp: 210979

Ion Ratio Lower Upper

152 100

115 64.2 32.3 96.8

150 159.8 0.0 339.8



#76

1,2,3-Trichloropropane

Concen: 25.778 ug/l

RT: 12.847 min Scan# 1852

Delta R.T. -0.147 min

Lab File: VN081285.D

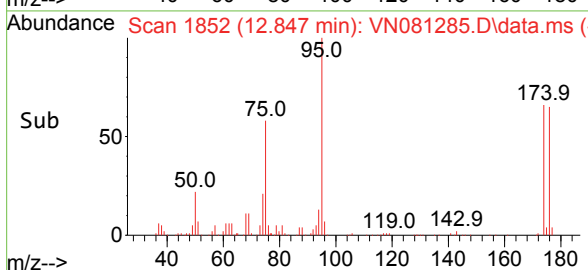
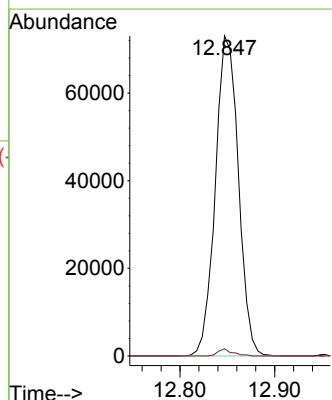
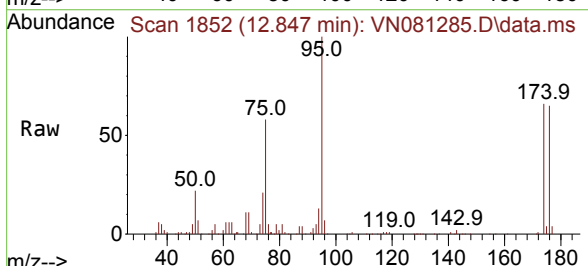
Acq: 01 Mar 2024 15:07

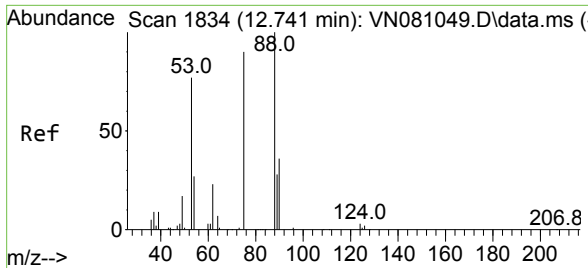
Tgt Ion: 75 Resp: 123568

Ion Ratio Lower Upper

75 100

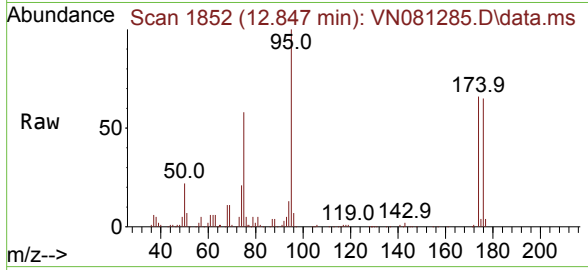
77 1.4 91.0 272.8#





#81
 trans-1,4-Dichloro-2-butene
 Concen: 66.350 ug/l
 RT: 12.847 min Scan# 11
 Delta R.T. 0.106 min
 Lab File: VN081285.D
 Acq: 01 Mar 2024 15:07

Instrument :
 MSVOA_N
 ClientSampleId :
 WC-1



Tgt Ion: 75 Resp: 123568
 Ion Ratio Lower Upper
 75 100
 53 0.0 71.4 107.2#
 89 0.1 33.4 50.0#

