

Data Path : Z:\voasrv\HPCHEM1\MSVOA_N\Data\VN030124\
 Data File : VN081288.D
 Acq On : 01 Mar 2024 16:19
 Operator : JC\MD
 Sample : P1602-12
 Misc : 5.0mL/MSVOA_N/WATER
 ALS Vial : 17 Sample Multiplier: 1

Instrument :
 MSVOA_N
 ClientSampleId :
 WC-4

Quant Time: Mar 01 22:20:03 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)

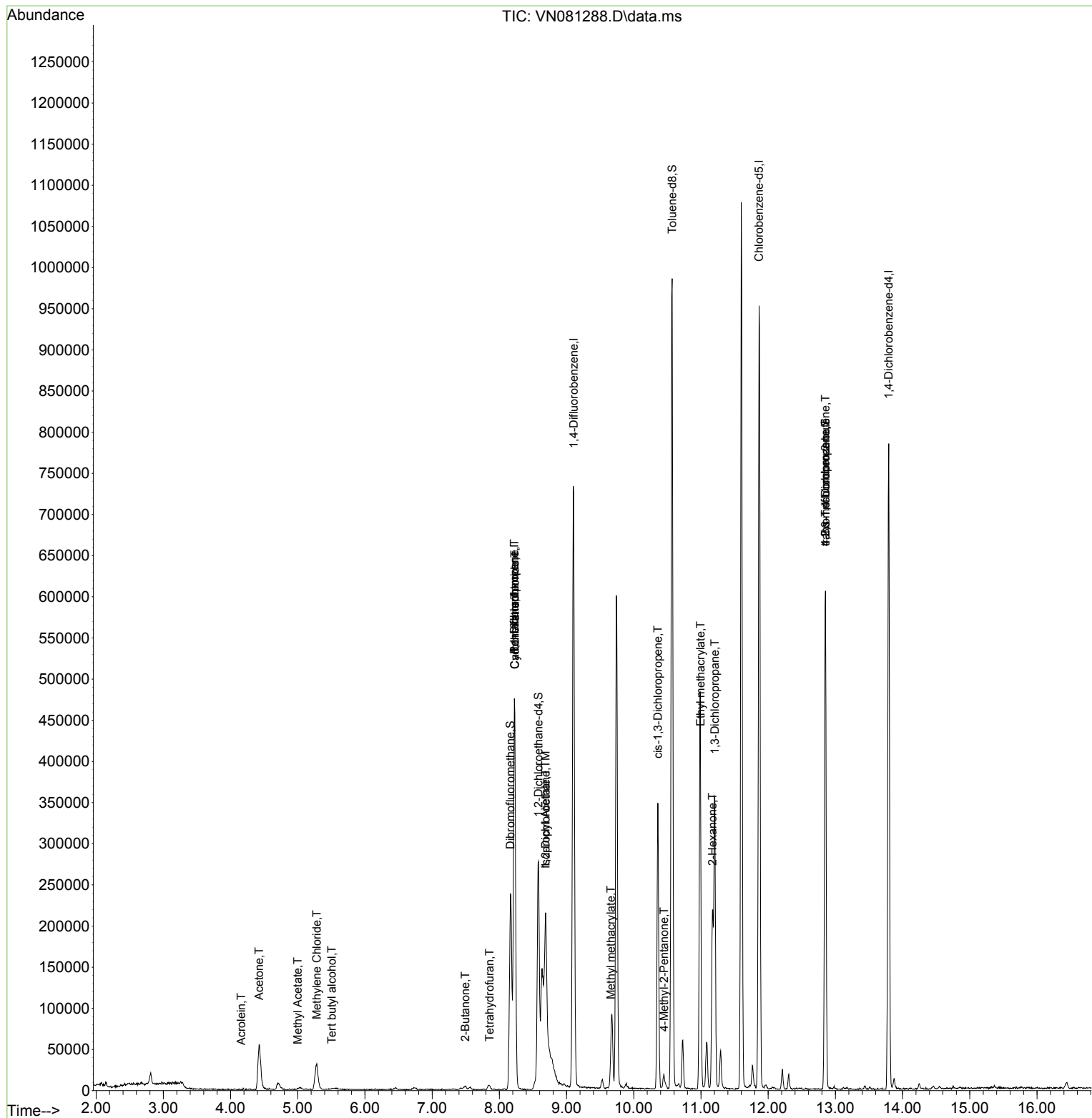
Internal Standards						
1) Pentafluorobenzene	8.224	168	318856	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	9.106	114	612694	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.865	117	537563	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.794	152	201158	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.582	65	223443	57.172	ug/l	0.00
Spiked Amount 50.000	Range 74 - 125		Recovery = 114.340%			
35) Dibromofluoromethane	8.165	113	171822	49.594	ug/l	0.00
Spiked Amount 50.000	Range 75 - 124		Recovery = 99.180%			
50) Toluene-d8	10.571	98	678929	55.174	ug/l	0.00
Spiked Amount 50.000	Range 86 - 113		Recovery = 110.340%			
62) 4-Bromofluorobenzene	12.853	95	208467	45.086	ug/l	0.00
Spiked Amount 50.000	Range 83 - 123		Recovery = 90.180%			
Target Compounds						
					Qvalue	
3) Chloromethane	2.365	50	724	Below Cal	#	81
6) Chloroethane	3.112	64	102	Below Cal	#	42
11) Tert butyl alcohol	5.506	59	1085	1.510	ug/l #	87
13) Acrolein	4.159	56	221	0.574	ug/l #	15
16) Acetone	4.424	43	103299	67.172	ug/l	99
18) Methyl Acetate	5.000	43	1335	0.356	ug/l #	54
20) Methylene Chloride	5.283	84	23071	4.962	ug/l #	81
25) 2-Butanone	7.494	43	8008	3.223	ug/l #	88
29) Tetrahydrofuran	7.853	42	4626	2.789	ug/l #	38
31) Cyclohexane	8.230	56	8909	1.320	ug/l #	1
36) 1,1-Dichloropropene	8.224	75	30564	5.149	ug/l #	50
38) Carbon Tetrachloride	8.230	117	37893	6.310	ug/l #	17
42) 1,2-Dichloroethane	8.688	62	1493	0.249	ug/l #	75
43) Isopropyl Acetate	8.688	43	222190	23.716	ug/l #	83
48) Methyl methacrylate	9.659	41	5660	1.298	ug/l #	45
49) 1,4-Dioxane	9.729	88	54	Below Cal	#	1
51) 4-Methyl-2-Pentanone	10.453	43	15328	2.844	ug/l #	85
54) cis-1,3-Dichloropropene	10.359	75	58834	8.263	ug/l #	65
56) Ethyl methacrylate	10.994	69	2360	0.369	ug/l #	1
57) 1,3-Dichloropropane	11.206	76	4131	0.571	ug/l #	43
59) 2-Hexanone	11.171	43	217920	51.002	ug/l #	26
76) 1,2,3-Trichloropropane	12.853	75	112037	24.513	ug/l #	1
81) trans-1,4-Dichloro-2-b...	12.853	75	112037	63.095	ug/l #	14

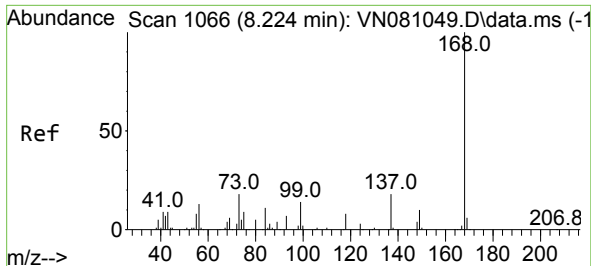
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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Quant Title : SW846 8260
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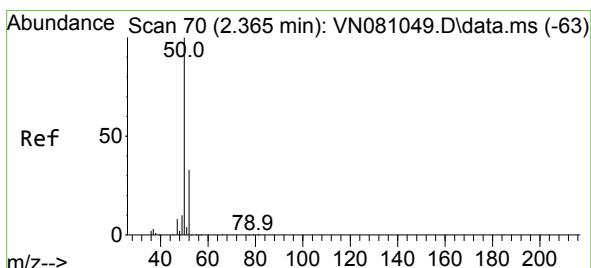
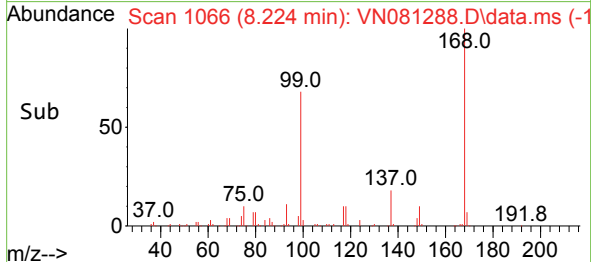
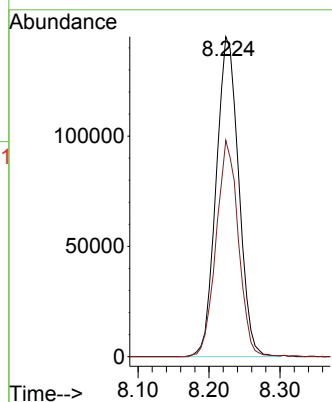
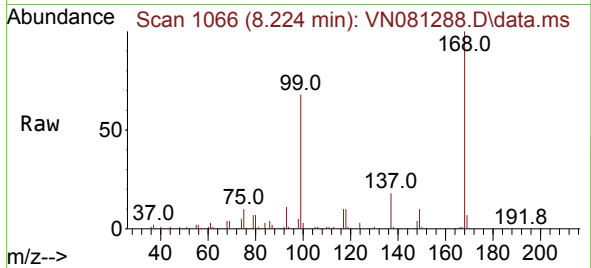




#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 8.224 min Scan# 1066
Delta R.T. -0.000 min
Lab File: VN081288.D
Acq: 01 Mar 2024 16:19

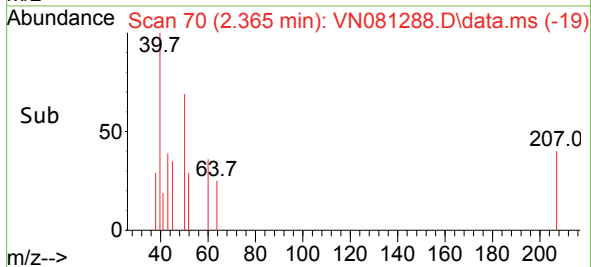
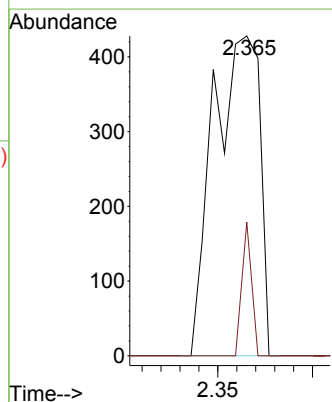
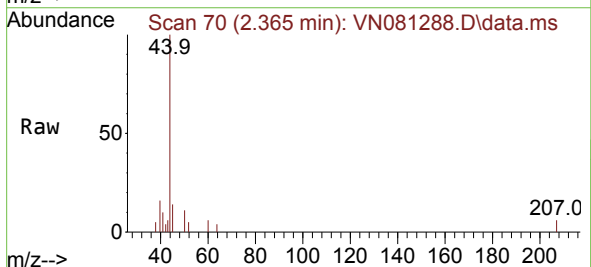
Instrument :
MSVOA_N
ClientSampleId :
WC-4

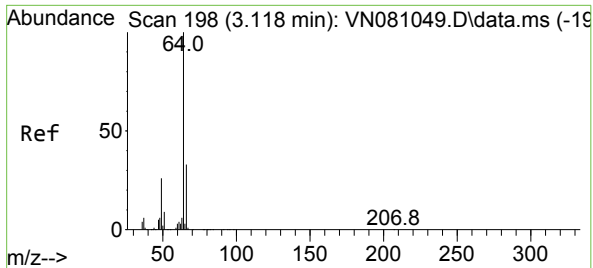
Tgt Ion:168 Resp: 318856
Ion Ratio Lower Upper
168 100
99 67.6 59.9 89.9



#3
Chloromethane
Concen: Below Cal
RT: 2.365 min Scan# 70
Delta R.T. 0.000 min
Lab File: VN081288.D
Acq: 01 Mar 2024 16:19

Tgt Ion: 50 Resp: 724
Ion Ratio Lower Upper
50 100
52 41.8 25.0 37.4#

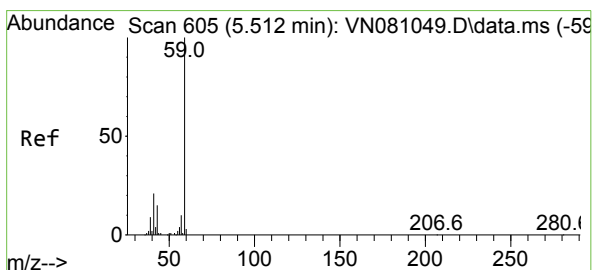
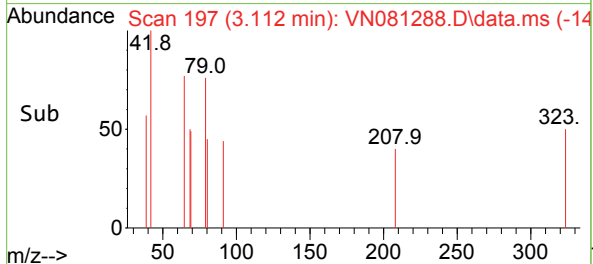
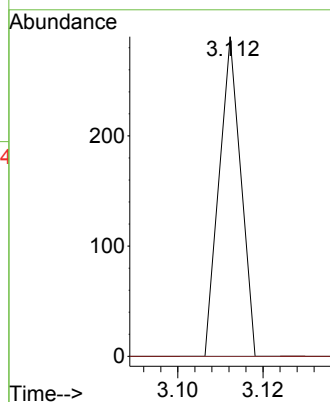
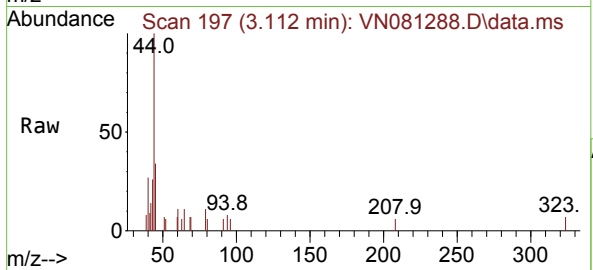




#6
Chloroethane
Concen: Below Cal
RT: 3.112 min Scan# 19
Delta R.T. -0.006 min
Lab File: VN081288.D
Acq: 01 Mar 2024 16:19

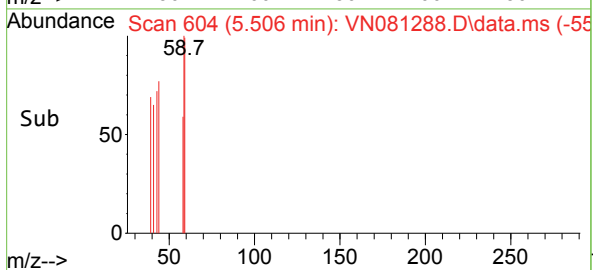
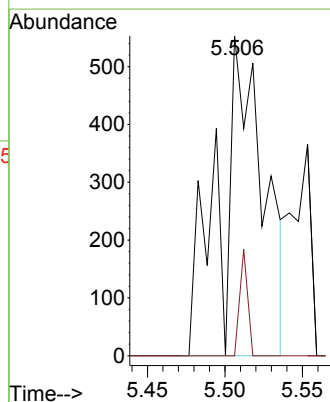
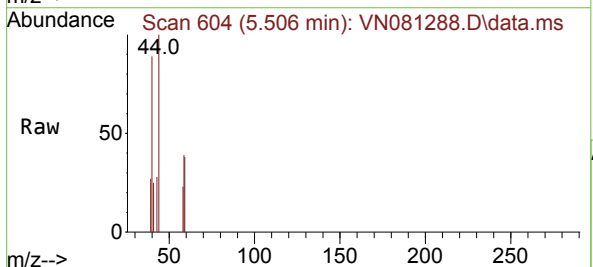
Instrument :
MSVOA_N
ClientSampleId :
WC-4

Tgt Ion: 64 Resp: 102
Ion Ratio Lower Upper
64 100
66 0.0 26.4 39.6#



#11
Tert butyl alcohol
Concen: 1.510 ug/l
RT: 5.506 min Scan# 604
Delta R.T. -0.006 min
Lab File: VN081288.D
Acq: 01 Mar 2024 16:19

Tgt Ion: 59 Resp: 1085
Ion Ratio Lower Upper
59 100
57 6.0 8.6 12.8#

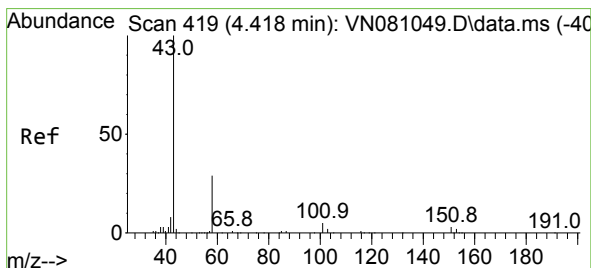
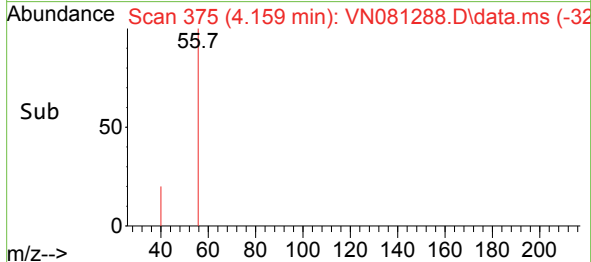
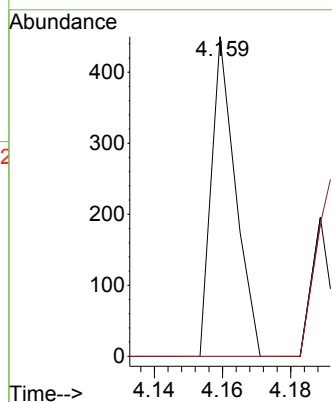
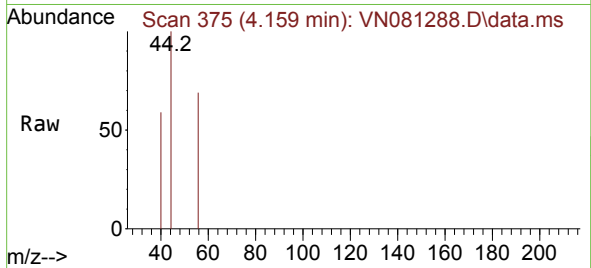




#13
Acrolein
Concen: 0.574 ug/l
RT: 4.159 min Scan# 31
Delta R.T. -0.018 min
Lab File: VN081288.D
Acq: 01 Mar 2024 16:19

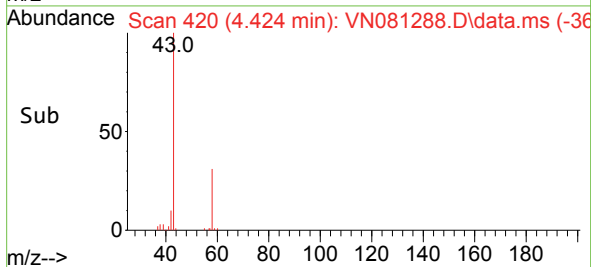
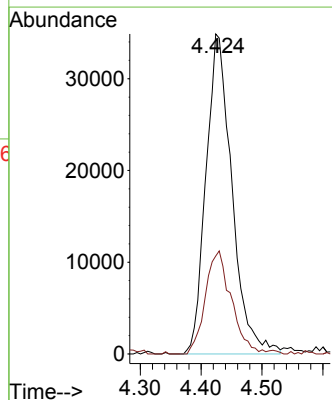
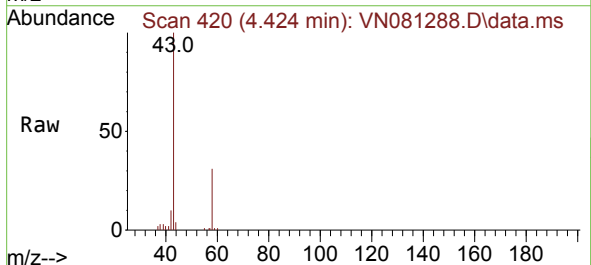
Instrument :
MSVOA_N
ClientSampleId :
WC-4

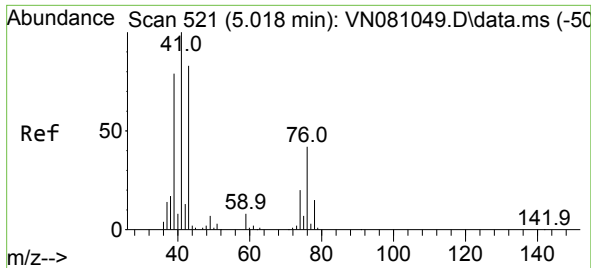
Tgt Ion: 56 Resp: 221
Ion Ratio Lower Upper
56 100
55 0.0 55.3 82.9#



#16
Acetone
Concen: 67.172 ug/l
RT: 4.424 min Scan# 420
Delta R.T. 0.006 min
Lab File: VN081288.D
Acq: 01 Mar 2024 16:19

Tgt Ion: 43 Resp: 103299
Ion Ratio Lower Upper
43 100
58 30.6 24.8 37.2





#18

Methyl Acetate

Concen: 0.356 ug/l

RT: 5.000 min Scan# 518

Delta R.T. -0.018 min

Lab File: VN081288.D

Acq: 01 Mar 2024 16:19

Instrument :

MSVOA_N

ClientSampleId :

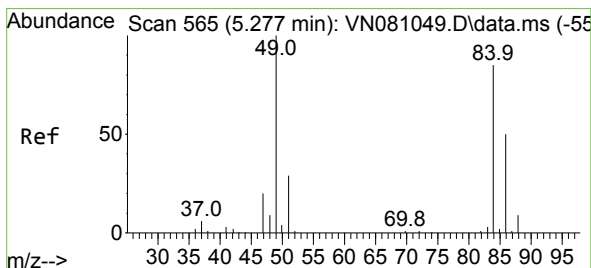
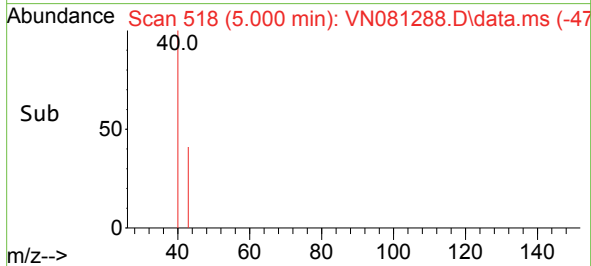
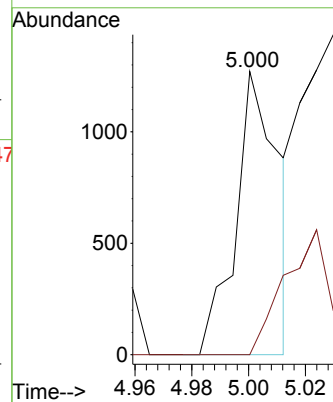
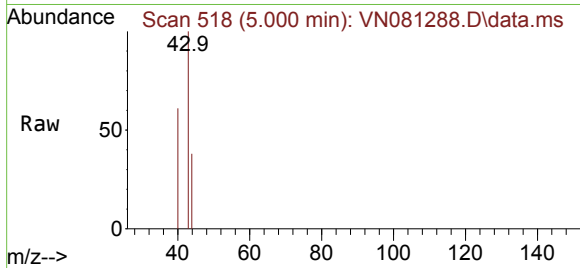
WC-4

Tgt Ion: 43 Resp: 1335

Ion Ratio Lower Upper

43 100

74 0.0 17.3 25.9#



#20

Methylene Chloride

Concen: 4.962 ug/l

RT: 5.283 min Scan# 566

Delta R.T. 0.006 min

Lab File: VN081288.D

Acq: 01 Mar 2024 16:19

Tgt Ion: 84 Resp: 23071

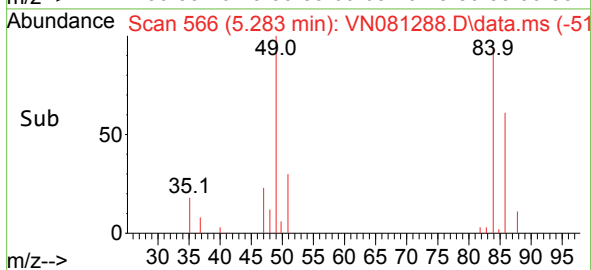
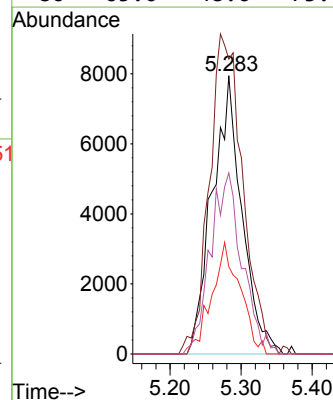
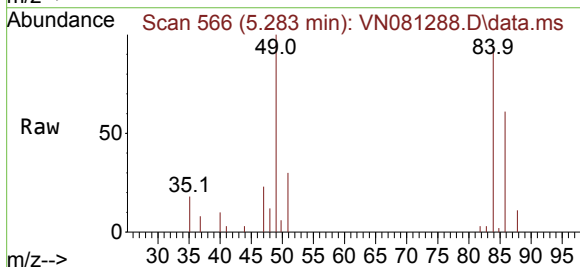
Ion Ratio Lower Upper

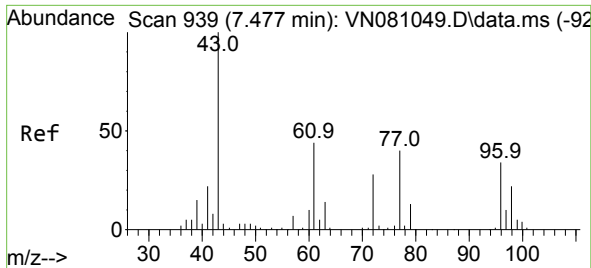
84 100

49 103.2 108.1 162.1#

51 31.4 32.9 49.3#

86 65.0 48.6 73.0

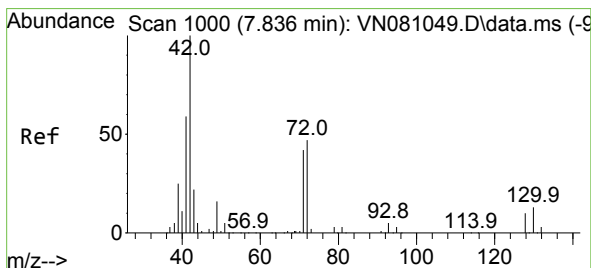
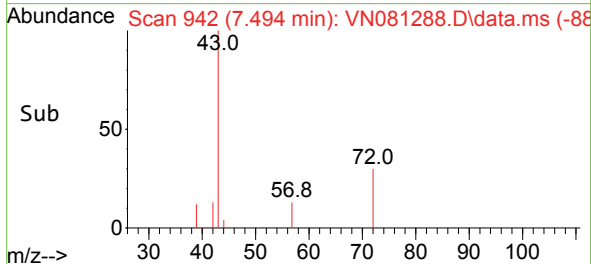
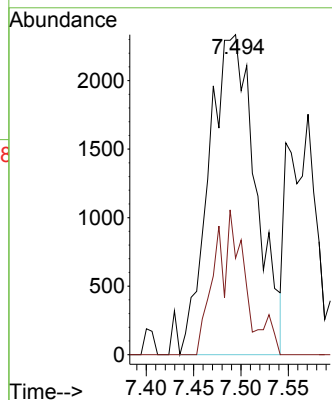
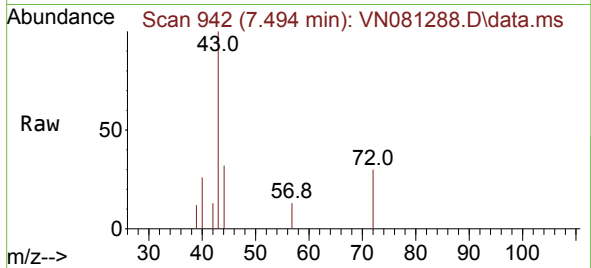




#25
2-Butanone
Concen: 3.223 ug/l
RT: 7.494 min Scan# 942
Delta R.T. 0.018 min
Lab File: VN081288.D
Acq: 01 Mar 2024 16:19

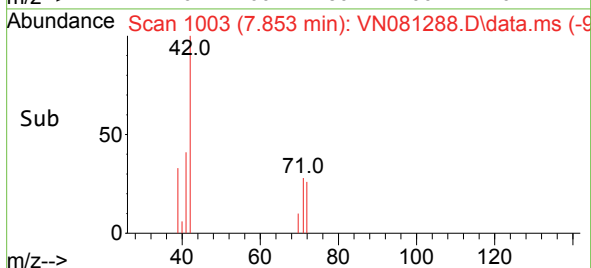
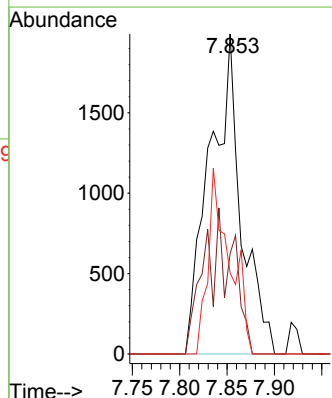
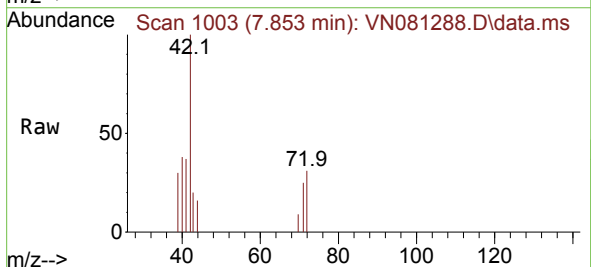
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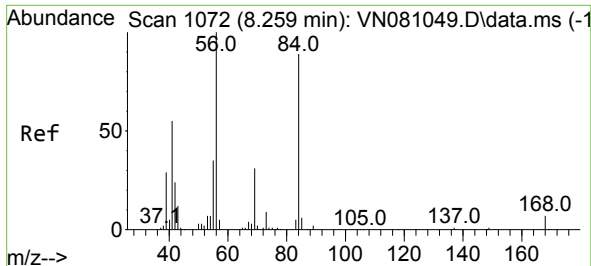
Tgt Ion: 43 Resp: 8008
Ion Ratio Lower Upper
43 100
72 30.1 19.5 29.3#



#29
Tetrahydrofuran
Concen: 2.789 ug/l
RT: 7.853 min Scan# 1003
Delta R.T. 0.018 min
Lab File: VN081288.D
Acq: 01 Mar 2024 16:19

Tgt Ion: 42 Resp: 4626
Ion Ratio Lower Upper
42 100
72 0.0 31.1 46.7#
71 0.0 28.3 42.5#

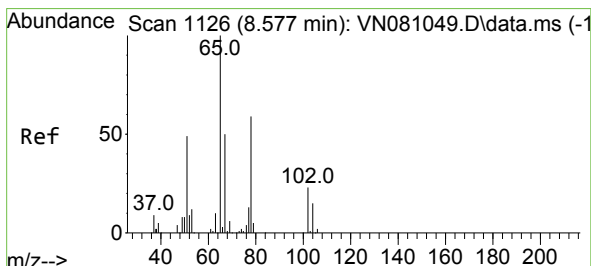
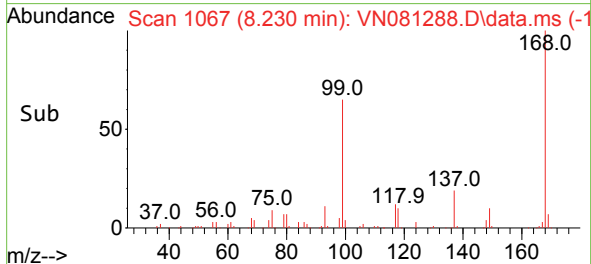
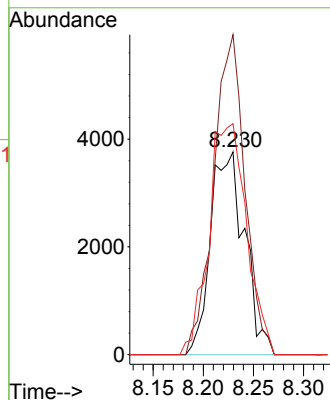
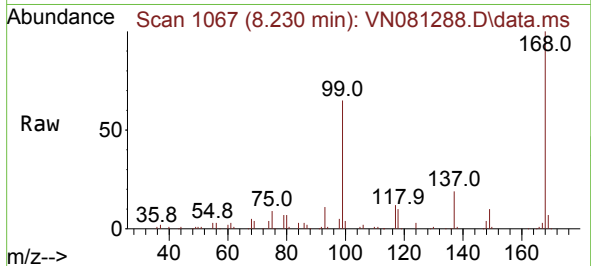




#31
Cyclohexane
Concen: 1.320 ug/l
RT: 8.230 min Scan# 1067
Delta R.T. -0.030 min
Lab File: VN081288.D
Acq: 01 Mar 2024 16:19

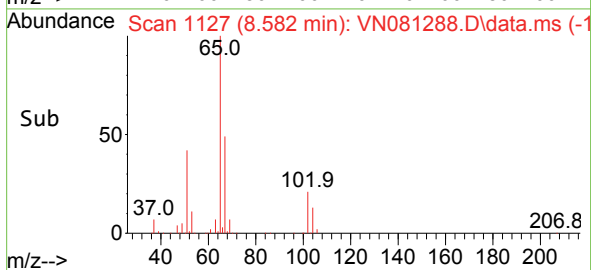
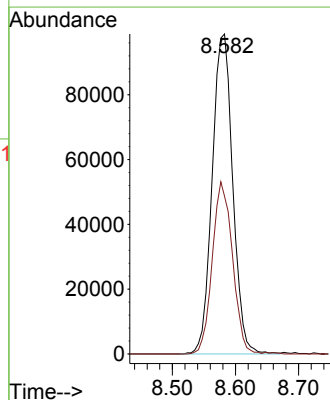
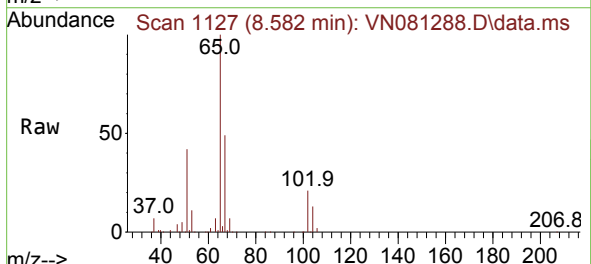
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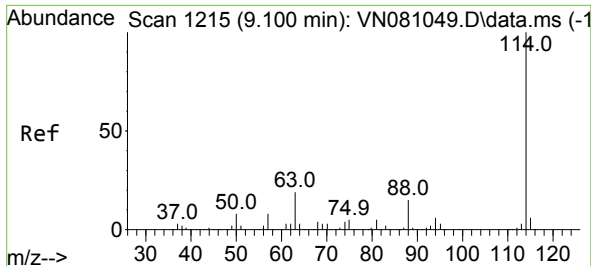
Tgt Ion: 56 Resp: 8909
Ion Ratio Lower Upper
56 100
69 157.8 20.1 30.1#
84 113.9 56.9 85.3#



#33
1,2-Dichloroethane-d4
Concen: 57.172 ug/l
RT: 8.582 min Scan# 1127
Delta R.T. 0.006 min
Lab File: VN081288.D
Acq: 01 Mar 2024 16:19

Tgt Ion: 65 Resp: 223443
Ion Ratio Lower Upper
65 100
67 52.8 0.0 102.4

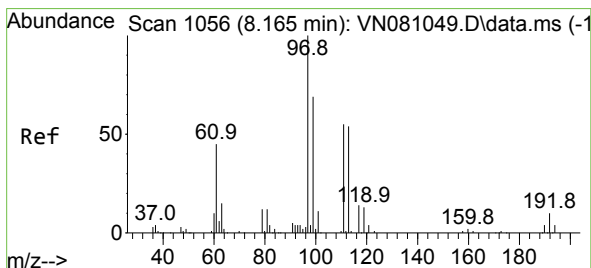
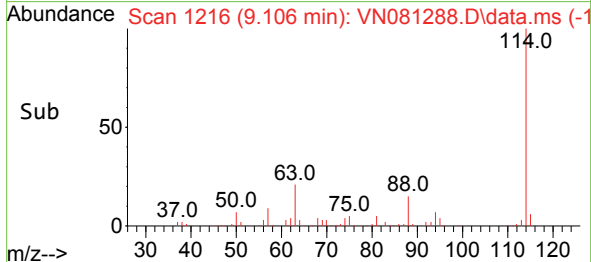
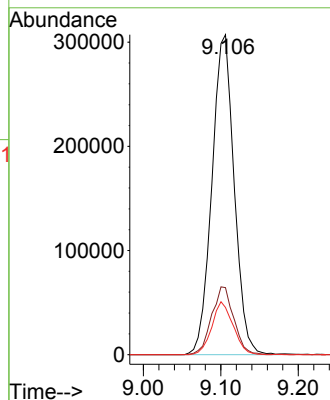
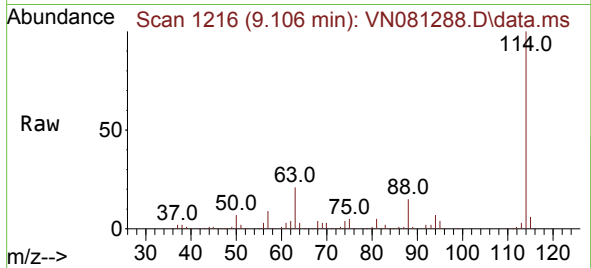




#34
1,4-Difluorobenzene
Concen: 50.000 ug/l
RT: 9.106 min Scan# 11
Delta R.T. 0.006 min
Lab File: VN081288.D
Acq: 01 Mar 2024 16:19

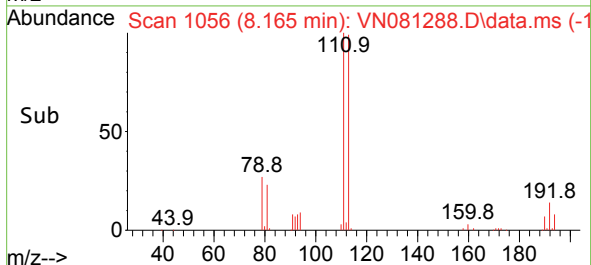
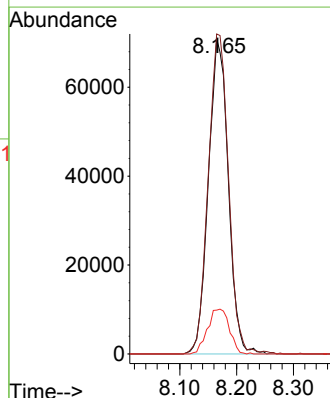
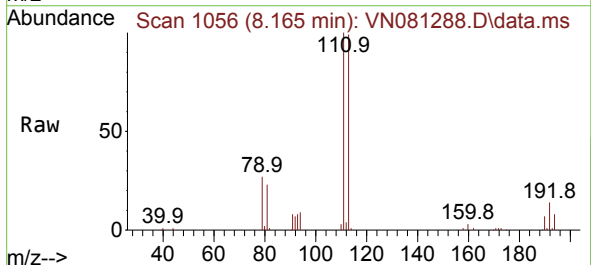
Instrument :
MSVOA_N
ClientSampleId :
WC-4

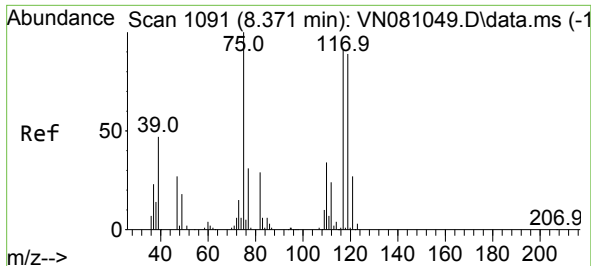
Tgt Ion:114 Resp: 612694
Ion Ratio Lower Upper
114 100
63 20.9 0.0 48.0
88 14.7 0.0 34.8



#35
Dibromofluoromethane
Concen: 49.594 ug/l
RT: 8.165 min Scan# 1056
Delta R.T. -0.000 min
Lab File: VN081288.D
Acq: 01 Mar 2024 16:19

Tgt Ion:113 Resp: 171822
Ion Ratio Lower Upper
113 100
111 103.3 82.2 123.4
192 15.6 12.5 18.7

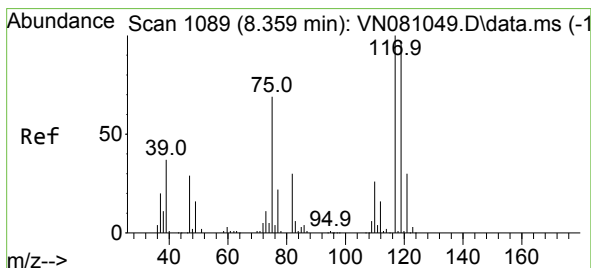
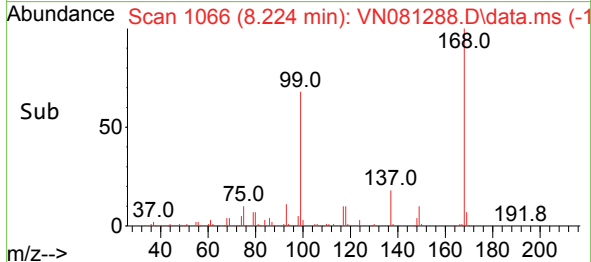
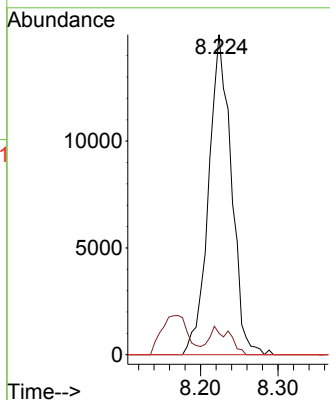
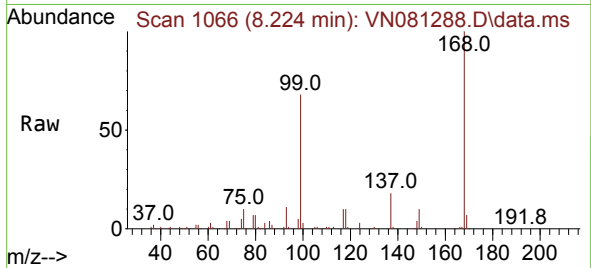




#36
 1,1-Dichloropropene
 Concen: 5.149 ug/l
 RT: 8.224 min Scan# 1066
 Delta R.T. -0.147 min
 Lab File: VN081288.D
 Acq: 01 Mar 2024 16:19

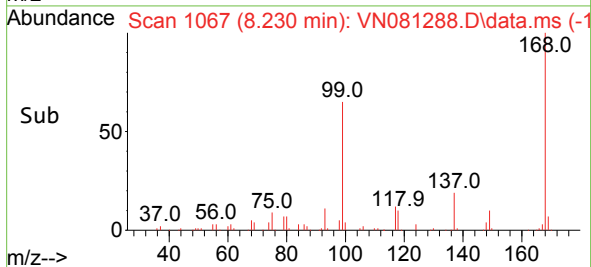
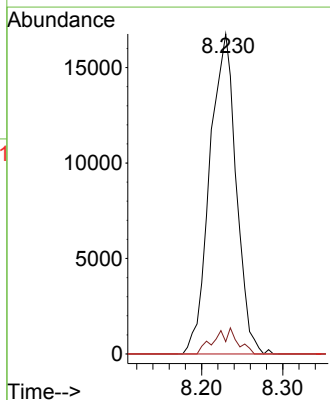
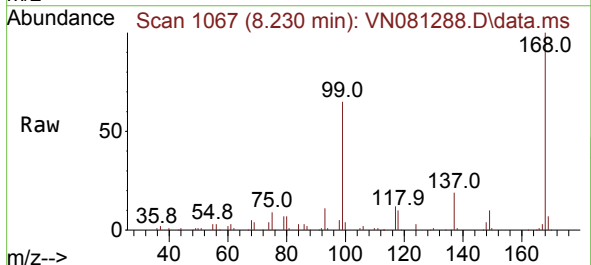
Instrument :
 MSVOA_N
 ClientSampleId :
 WC-4

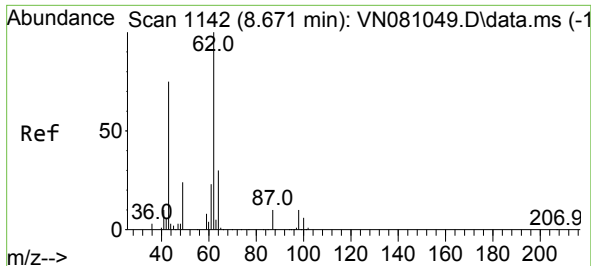
Tgt Ion: 75 Resp: 30564
 Ion Ratio Lower Upper
 75 100
 110 8.0 16.0 48.0#
 77 0.0 25.8 38.6#



#38
 Carbon Tetrachloride
 Concen: 6.310 ug/l
 RT: 8.230 min Scan# 1067
 Delta R.T. -0.130 min
 Lab File: VN081288.D
 Acq: 01 Mar 2024 16:19

Tgt Ion: 117 Resp: 37893
 Ion Ratio Lower Upper
 117 100
 119 3.8 73.4 110.2#
 121 0.0 24.4 36.6#





#42

1,2-Dichloroethane

Concen: 0.249 ug/l

RT: 8.688 min Scan# 1145

Delta R.T. 0.018 min

Lab File: VN081288.D

Acq: 01 Mar 2024 16:19

Instrument :

MSVOA_N

ClientSampleId :

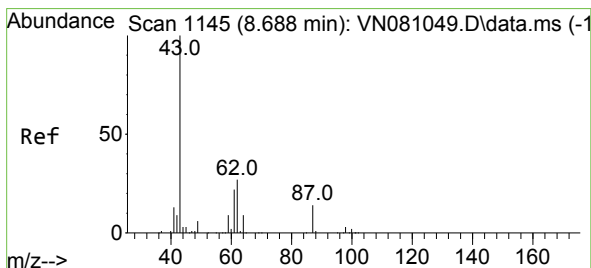
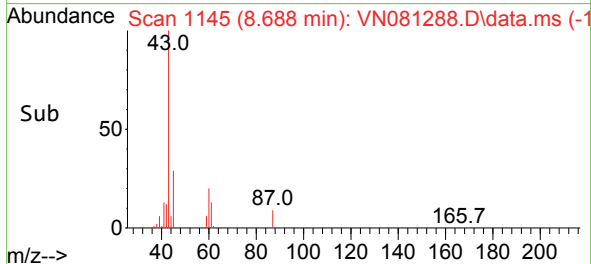
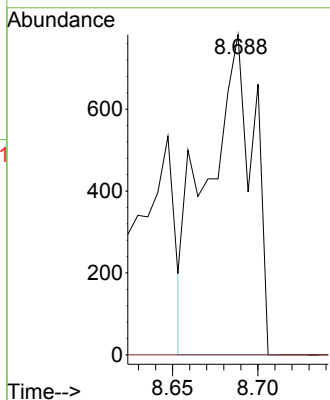
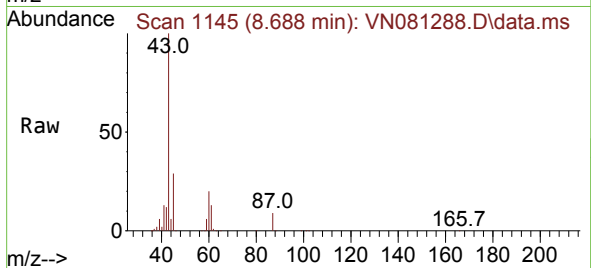
WC-4

Tgt Ion: 62 Resp: 1493

Ion Ratio Lower Upper

62 100

98 0.0 0.0 18.0



#43

Isopropyl Acetate

Concen: 23.716 ug/l

RT: 8.688 min Scan# 1145

Delta R.T. -0.000 min

Lab File: VN081288.D

Acq: 01 Mar 2024 16:19

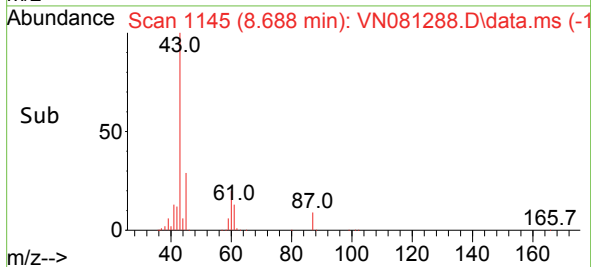
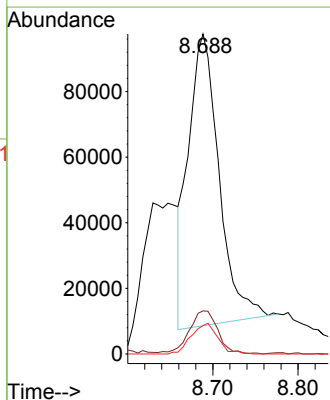
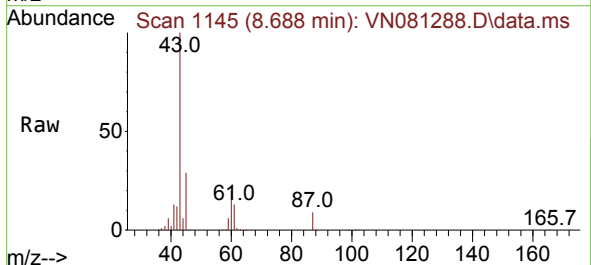
Tgt Ion: 43 Resp: 222190

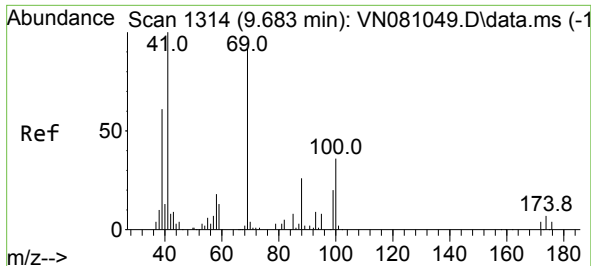
Ion Ratio Lower Upper

43 100

61 13.9 19.9 29.9#

87 9.1 9.0 13.6

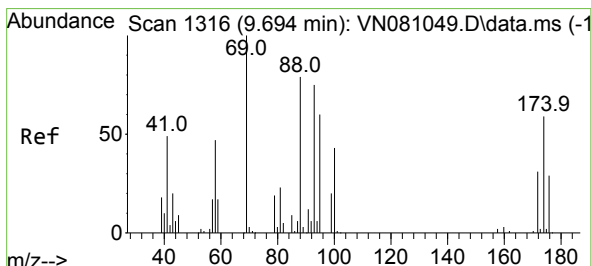
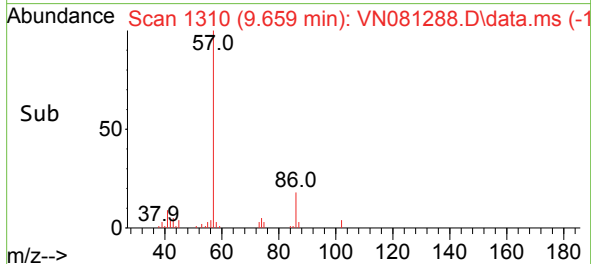
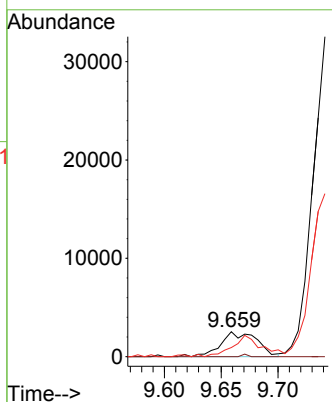
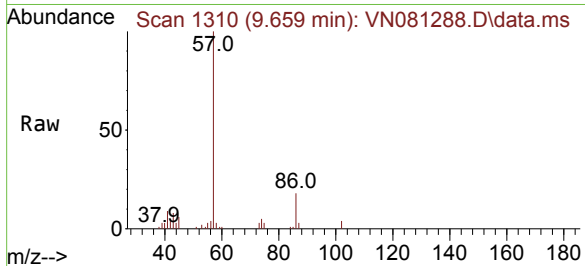




#48
Methyl methacrylate
Concen: 1.298 ug/l
RT: 9.659 min Scan# 11
Delta R.T. -0.024 min
Lab File: VN081288.D
Acq: 01 Mar 2024 16:19

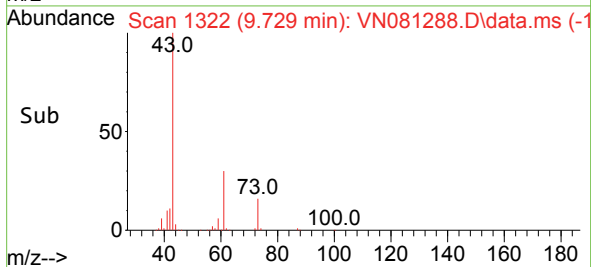
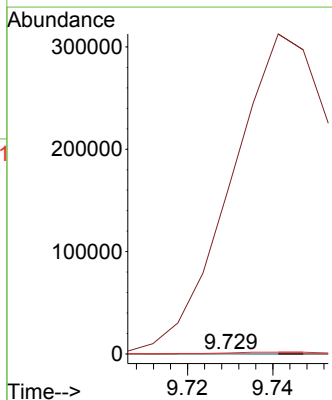
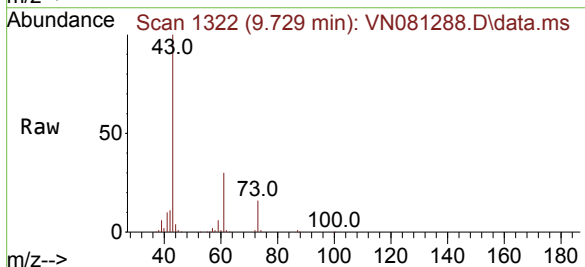
Instrument :
MSVOA_N
ClientSampleId :
WC-4

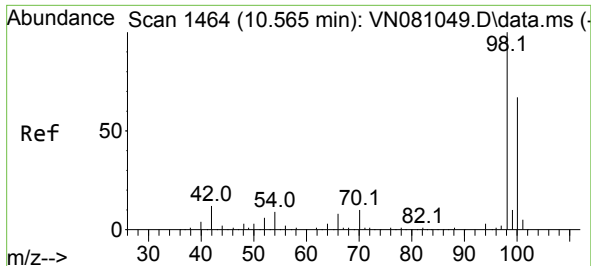
Tgt Ion: 41 Resp: 5660
Ion Ratio Lower Upper
41 100
69 1.6 62.2 93.2#
39 69.2 47.6 71.4



#49
1,4-Dioxane
Concen: Below Cal
RT: 9.729 min Scan# 1322
Delta R.T. 0.035 min
Lab File: VN081288.D
Acq: 01 Mar 2024 16:19

Tgt Ion: 88 Resp: 54
Ion Ratio Lower Upper
88 100
43 1052927.8 30.1 45.1#
58 6311.1 63.9 95.9#

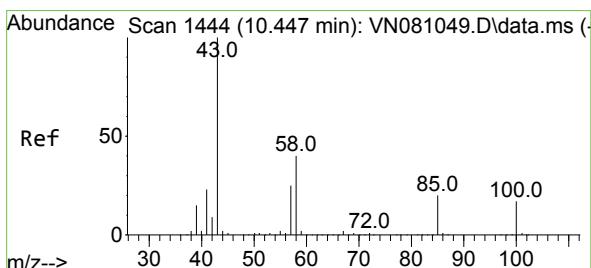
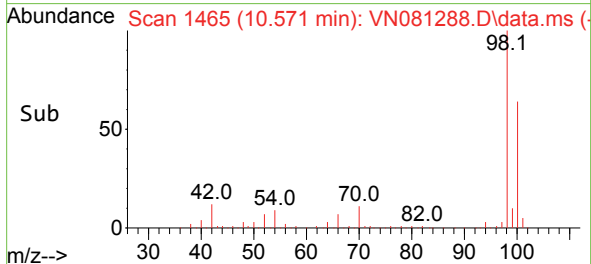
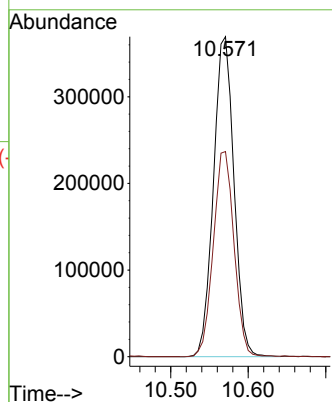
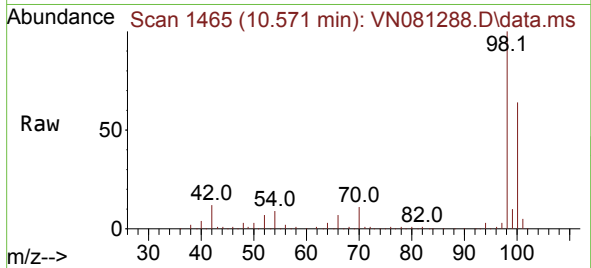




#50
Toluene-d8
Concen: 55.174 ug/l
RT: 10.571 min Scan# 1465
Delta R.T. 0.006 min
Lab File: VN081288.D
Acq: 01 Mar 2024 16:19

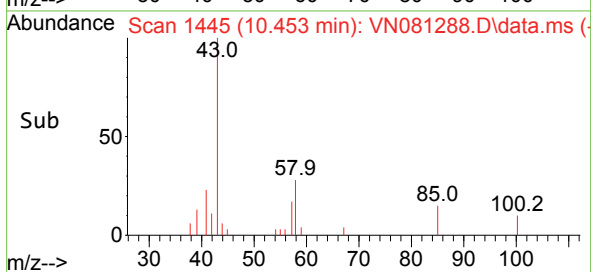
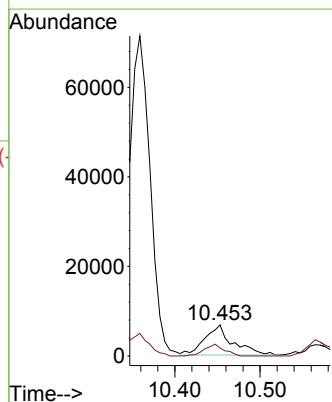
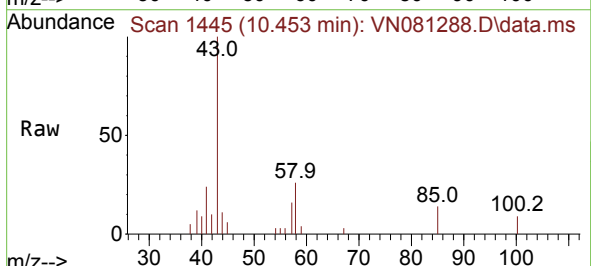
Instrument :
MSVOA_N
ClientSampleId :
WC-4

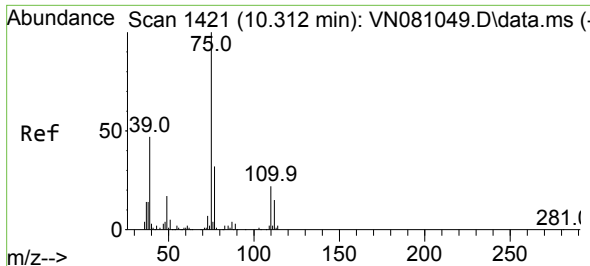
Tgt Ion: 98 Resp: 678929
Ion Ratio Lower Upper
98 100
100 64.8 51.4 77.0



#51
4-Methyl-2-Pentanone
Concen: 2.844 ug/l
RT: 10.453 min Scan# 1445
Delta R.T. 0.006 min
Lab File: VN081288.D
Acq: 01 Mar 2024 16:19

Tgt Ion: 43 Resp: 15328
Ion Ratio Lower Upper
43 100
58 27.7 29.4 44.0#

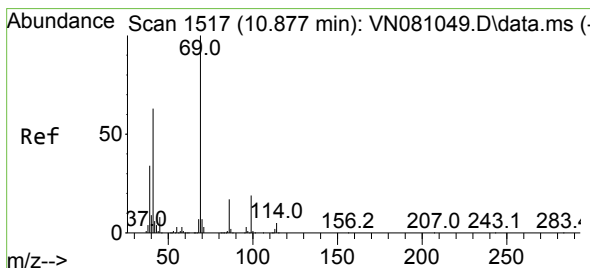
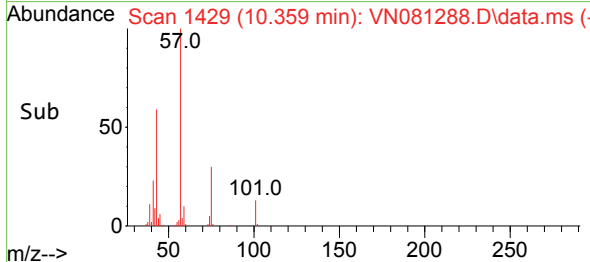
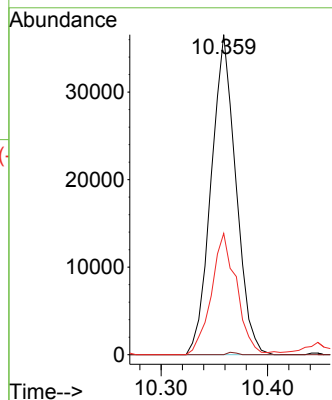
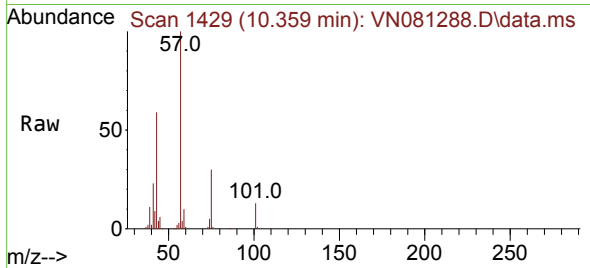




#54
cis-1,3-Dichloropropene
Concen: 8.263 ug/l
RT: 10.359 min Scan# 1421
Delta R.T. 0.047 min
Lab File: VN081288.D
Acq: 01 Mar 2024 16:19

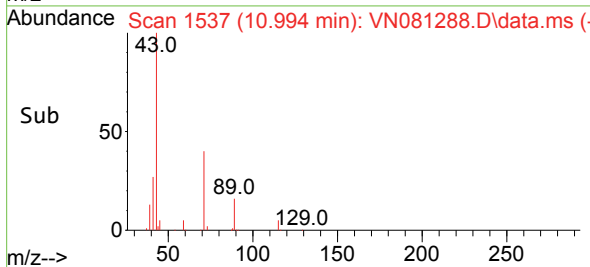
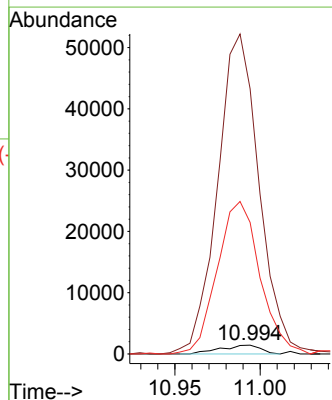
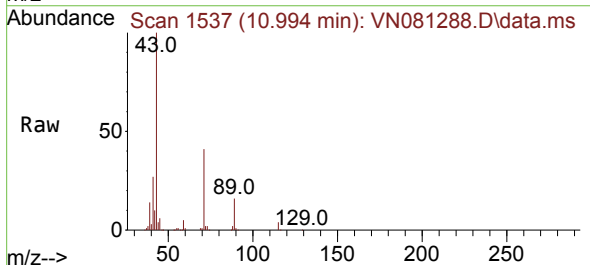
Instrument :
MSVOA_N
ClientSampleId :
WC-4

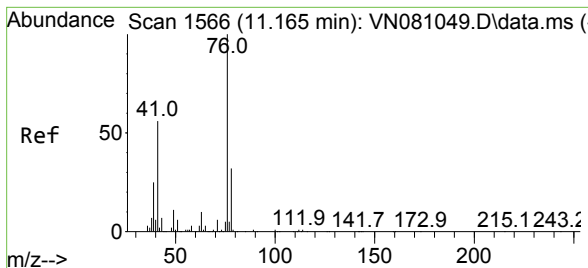
Tgt Ion: 75 Resp: 58834
Ion Ratio Lower Upper
75 100
77 0.0 23.3 34.9#
39 37.9 44.6 66.8#



#56
Ethyl methacrylate
Concen: 0.369 ug/l
RT: 10.994 min Scan# 1537
Delta R.T. 0.118 min
Lab File: VN081288.D
Acq: 01 Mar 2024 16:19

Tgt Ion: 69 Resp: 2360
Ion Ratio Lower Upper
69 100
41 3767.1 61.0 91.6#
39 1833.6 31.8 47.6#

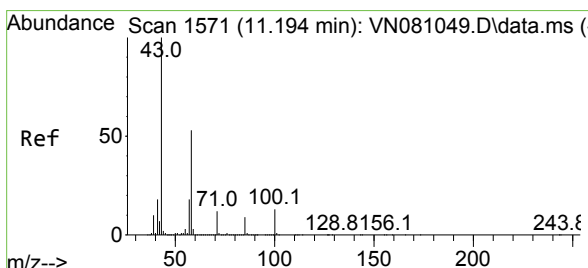
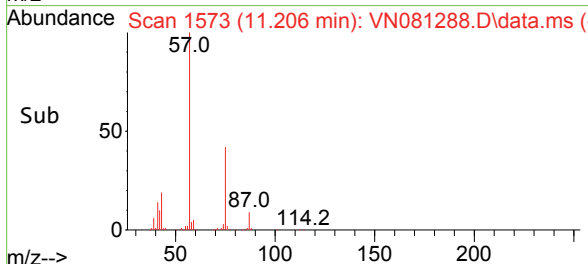
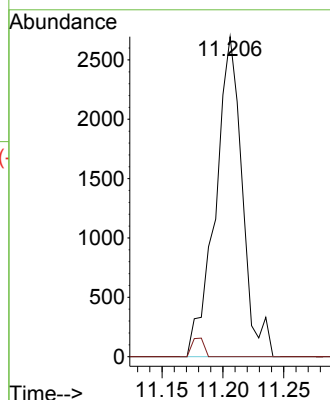
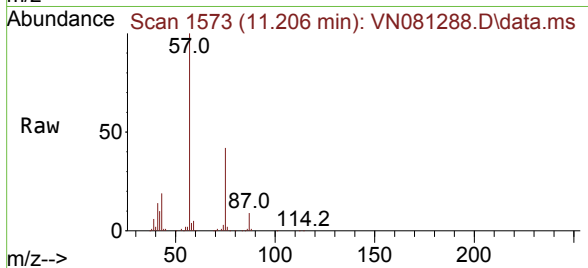




#57
1,3-Dichloropropane
Concen: 0.571 ug/l
RT: 11.206 min Scan# 1567
Delta R.T. 0.041 min
Lab File: VN081288.D
Acq: 01 Mar 2024 16:19

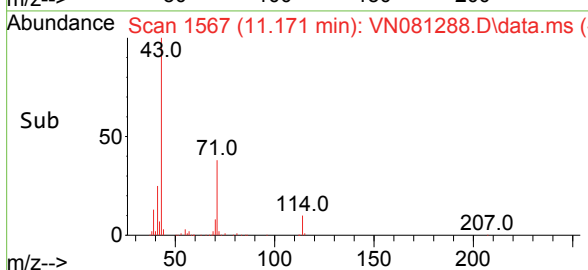
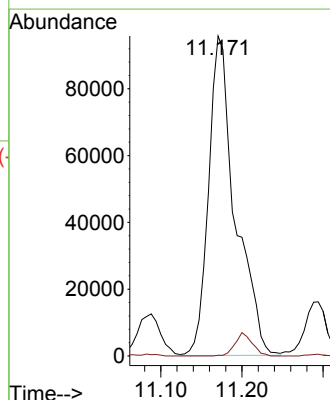
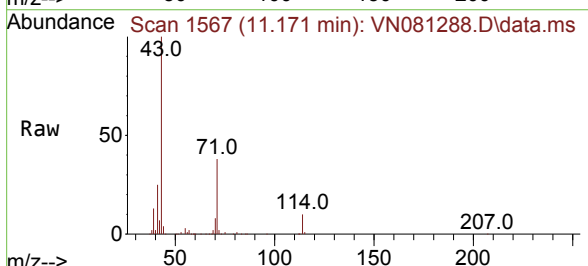
Instrument :
MSVOA_N
ClientSampleId :
WC-4

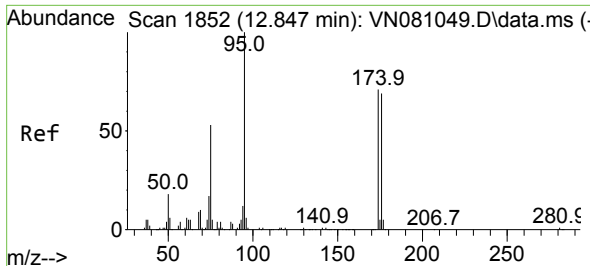
Tgt Ion: 76 Resp: 4131
Ion Ratio Lower Upper
76 100
78 0.0 25.5 38.3#



#59
2-Hexanone
Concen: 51.002 ug/l
RT: 11.171 min Scan# 1567
Delta R.T. -0.024 min
Lab File: VN081288.D
Acq: 01 Mar 2024 16:19

Tgt Ion: 43 Resp: 217920
Ion Ratio Lower Upper
43 100
58 0.0 25.9 77.8#

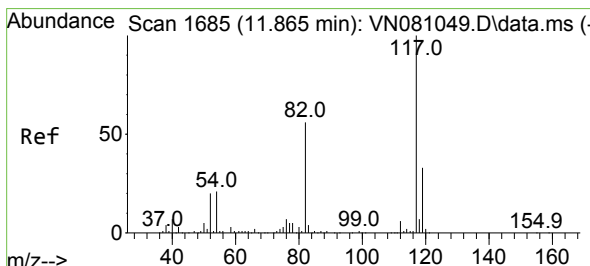
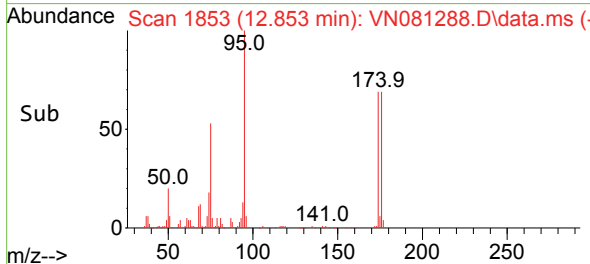
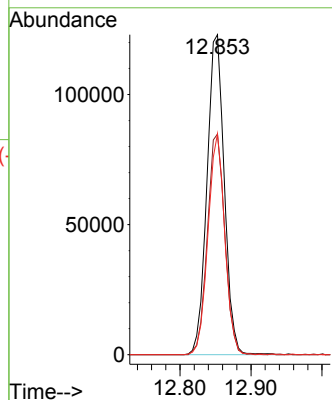
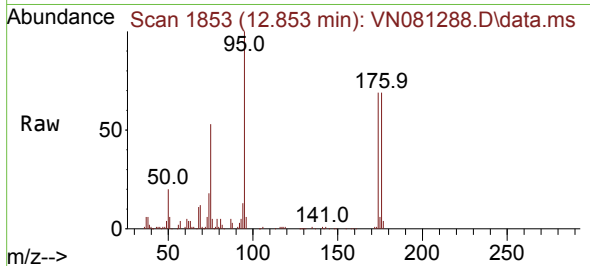




#62
4-Bromofluorobenzene
Concen: 45.086 ug/l
RT: 12.853 min Scan# 1853
Delta R.T. 0.006 min
Lab File: VN081288.D
Acq: 01 Mar 2024 16:19

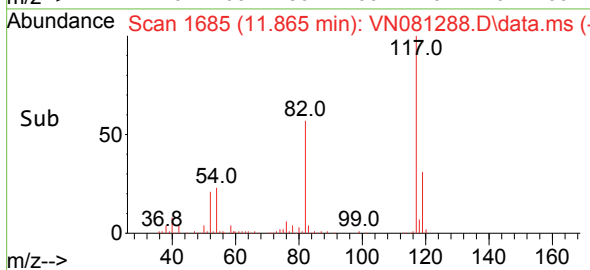
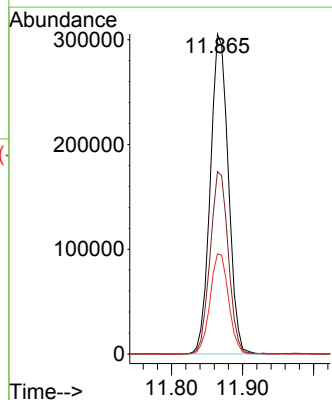
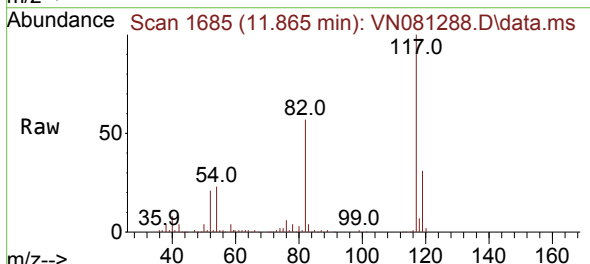
Instrument :
MSVOA_N
ClientSampleId :
WC-4

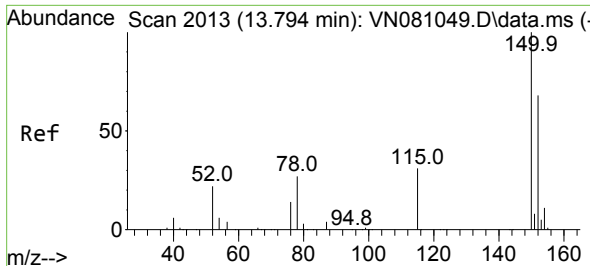
Tgt Ion: 95 Resp: 208467
Ion Ratio Lower Upper
95 100
174 69.4 0.0 120.4
176 66.8 0.0 121.0



#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.865 min Scan# 1685
Delta R.T. -0.000 min
Lab File: VN081288.D
Acq: 01 Mar 2024 16:19

Tgt Ion: 117 Resp: 537563
Ion Ratio Lower Upper
117 100
82 57.0 52.7 79.1
119 31.3 25.3 37.9

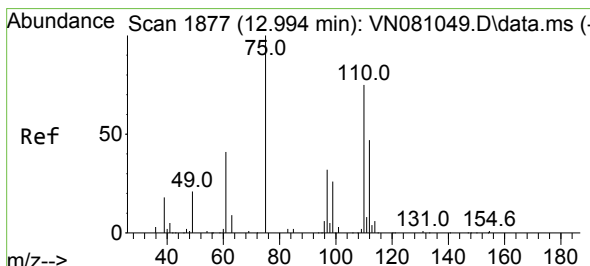
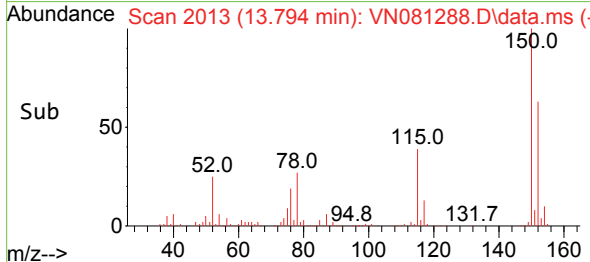
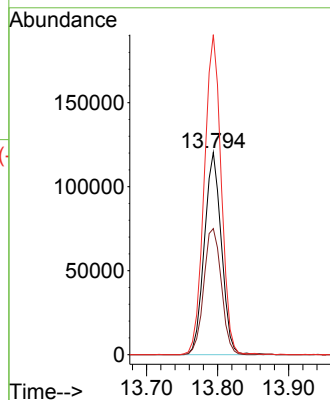
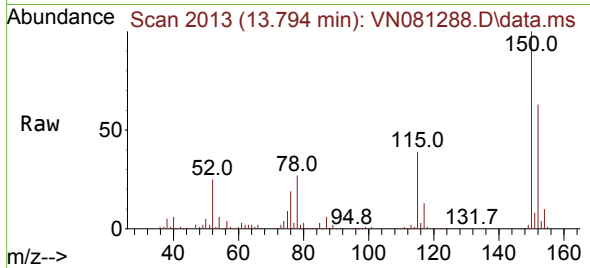




#72
 1,4-Dichlorobenzene-d4
 Concen: 50.000 ug/l
 RT: 13.794 min Scan# 2013
 Delta R.T. -0.000 min
 Lab File: VN081288.D
 Acq: 01 Mar 2024 16:19

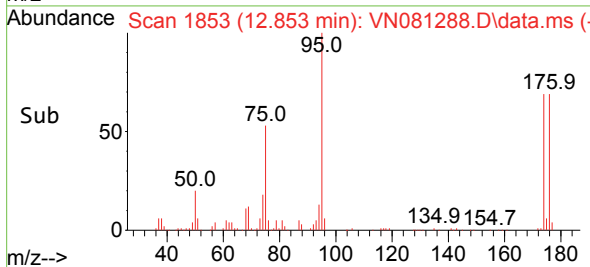
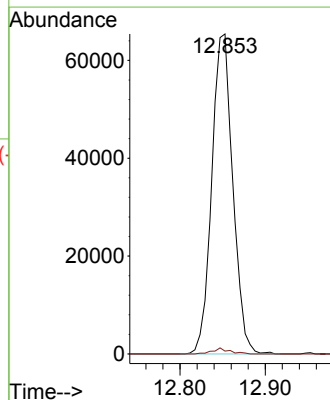
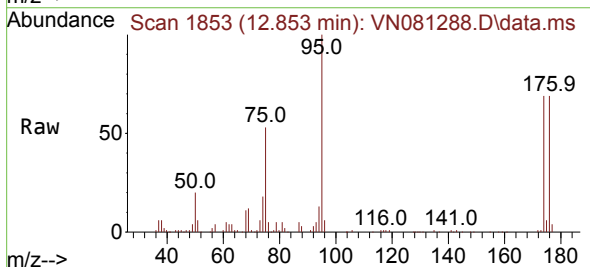
Instrument :
 MSVOA_N
 ClientSampleId :
 WC-4

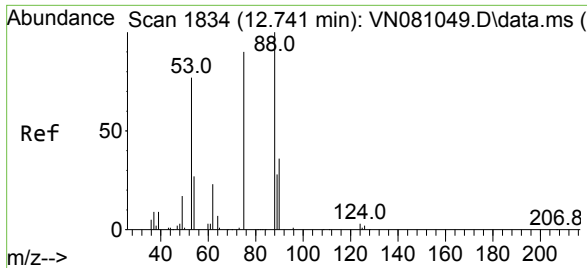
Tgt Ion:152 Resp: 201158
 Ion Ratio Lower Upper
 152 100
 115 64.3 32.3 96.8
 150 157.6 0.0 339.8



#76
 1,2,3-Trichloropropane
 Concen: 24.513 ug/l
 RT: 12.853 min Scan# 1853
 Delta R.T. -0.141 min
 Lab File: VN081288.D
 Acq: 01 Mar 2024 16:19

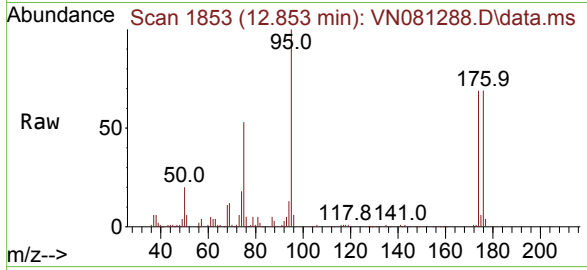
Tgt Ion: 75 Resp: 112037
 Ion Ratio Lower Upper
 75 100
 77 1.5 91.0 272.8#





#81
 trans-1,4-Dichloro-2-butene
 Concen: 63.095 ug/l
 RT: 12.853 min Scan# 11
 Delta R.T. 0.112 min
 Lab File: VN081288.D
 Acq: 01 Mar 2024 16:19

Instrument :
 MSVOA_N
 ClientSampleId :
 WC-4



Tgt Ion: 75 Resp: 112037
 Ion Ratio Lower Upper
 75 100
 53 0.0 71.4 107.2#
 89 0.0 33.4 50.0#

