

Data Path : Z:\voasrv\HPCHEM1\MSVOA_N\Data\VN011524\
 Data File : VN080718.D
 Acq On : 15 Jan 2024 16:19
 Operator : JC\MD
 Sample : P1144-04
 Misc : 5.0mL/MSVOA_N/WATER
 ALS Vial : 10 Sample Multiplier: 1

Instrument :
 MSVOA_N
 ClientSampleId :

Quant Time: Jan 16 00:42:24 2024
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_N\methods\82N011024W.M
 Quant Title : SW846 8260
 QLast Update : Thu Jan 11 06:34:36 2024
 Response via : Initial Calibration

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

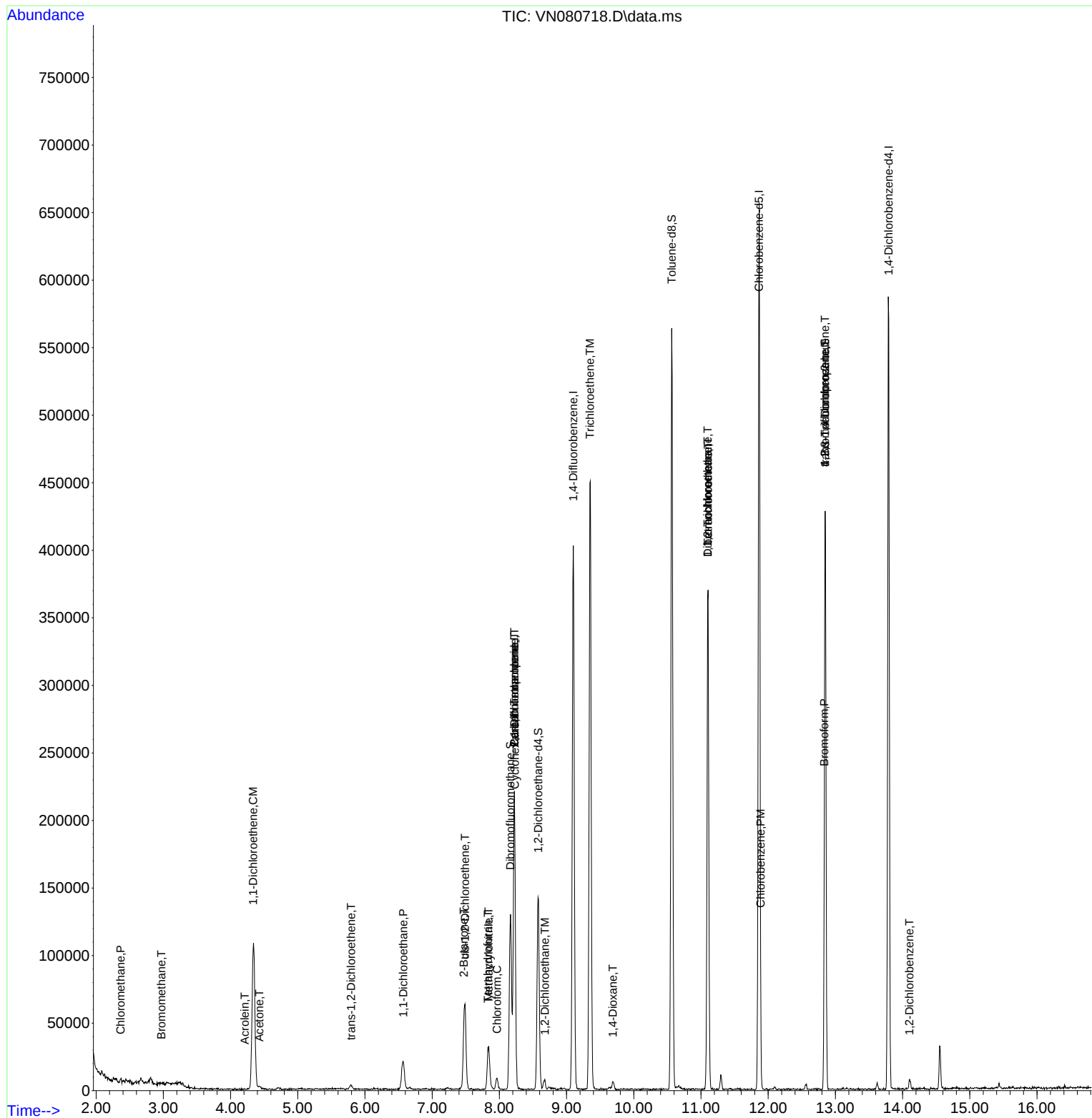
Internal Standards						
1) Pentafluorobenzene	8.224	168	142553	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	9.100	114	329515	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.865	117	335515	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.794	152	137915	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.577	65	114024	45.548	ug/l	0.00
Spiked Amount	50.000	Range	74 - 125	Recovery	=	91.100%
35) Dibromofluoromethane	8.165	113	93747	50.073	ug/l	0.00
Spiked Amount	50.000	Range	75 - 124	Recovery	=	100.140%
50) Toluene-d8	10.565	98	379207	53.118	ug/l	0.00
Spiked Amount	50.000	Range	86 - 113	Recovery	=	106.240%
62) 4-Bromofluorobenzene	12.847	95	152744	55.795	ug/l	0.00
Spiked Amount	50.000	Range	83 - 123	Recovery	=	111.580%
Target Compounds						
					Qvalue	
3) Chloromethane	2.365	50	3078	0.531	ug/l #	83
5) Bromomethane	2.971	94	189	0.237	ug/l #	4
6) Chloroethane	3.095	64	69	Below Cal	#	43
12) 1,1-Dichloroethene	4.336	96	62402	29.320	ug/l	85
13) Acrolein	4.212	56	75	0.212	ug/l #	16
16) Acetone	4.430	43	4028	4.901	ug/l #	78
21) trans-1,2-Dichloroethene	5.794	96	1017	0.471	ug/l #	53
24) 1,1-Dichloroethane	6.571	63	32548	7.474	ug/l	94
25) 2-Butanone	7.471	43	450	0.303	ug/l #	37
27) cis-1,2-Dichloroethene	7.488	96	36804	15.465	ug/l	89
29) Tetrahydrofuran	7.830	42	27952	27.915	ug/l #	69
30) Chloroform	7.965	83	7916	1.939	ug/l #	67
31) Cyclohexane	8.230	56	5061	1.309	ug/l #	62
36) 1,1-Dichloropropene	8.224	75	15450	4.029	ug/l #	46
38) Carbon Tetrachloride	8.224	117	17292	5.022	ug/l #	14
41) Methacrylonitrile	7.841	41	15007	6.957	ug/l #	33
42) 1,2-Dichloroethane	8.677	62	5743	1.391	ug/l	79
44) Trichloroethene	9.347	130	148645	60.902	ug/l	92
49) 1,4-Dioxane	9.688	88	4148	102.861	ug/l #	78
55) 1,1,2-Trichloroethane	11.100	97	943	0.397	ug/l #	33
60) Dibromochloromethane	11.100	129	77388	31.670	ug/l #	11
64) Tetrachloroethene	11.106	164	73803	32.031	ug/l	98
65) Chlorobenzene	11.888	112	1762	0.240	ug/l #	43
71) Bromoform	12.835	173	877	0.490	ug/l #	1
76) 1,2,3-Trichloropropane	12.847	75	83975	19.746	ug/l #	1
81) trans-1,4-Dichloro-2-b...	12.847	75	83975	46.550	ug/l #	15
91) 1,2-Dichlorobenzene	14.100	146	3199	0.682	ug/l	94

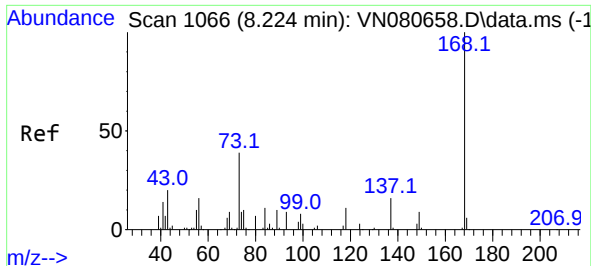
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Data Path : Z:\voasrv\HPCHEM1\MSVOA_N\Data\VN011524\
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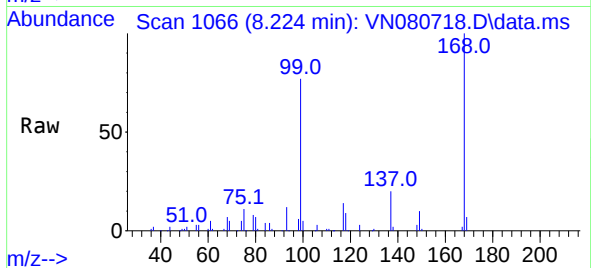
Quant Time: Jan 16 00:42:24 2024
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_N\methods\82N011024W.M
Quant Title : SW846 8260
QLast Update : Thu Jan 11 06:34:36 2024
Response via : Initial Calibration



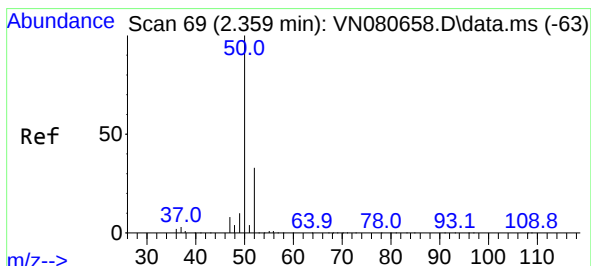
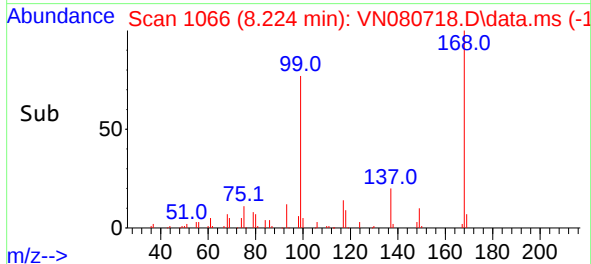
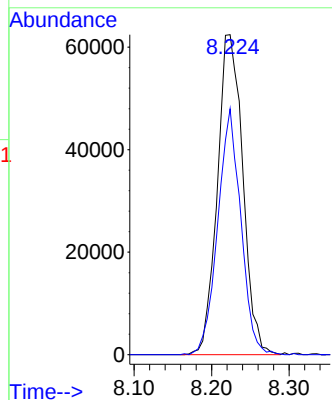


#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 8.224 min Scan# 10
Delta R.T. -0.000 min
Lab File: VN080718.D
Acq: 15 Jan 2024 16:19

Instrument :
MSVOA_N
ClientSampleId :

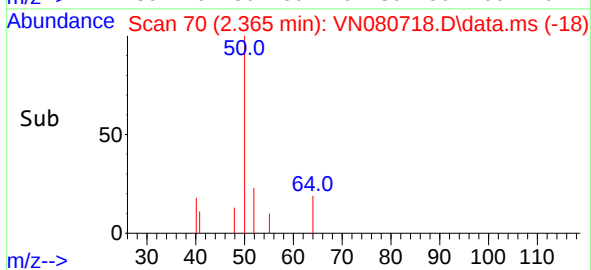
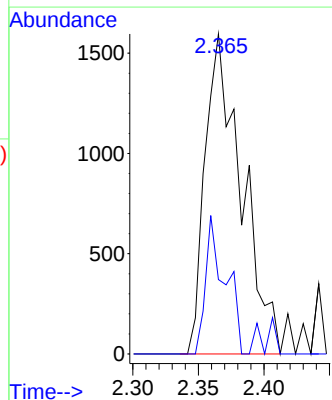
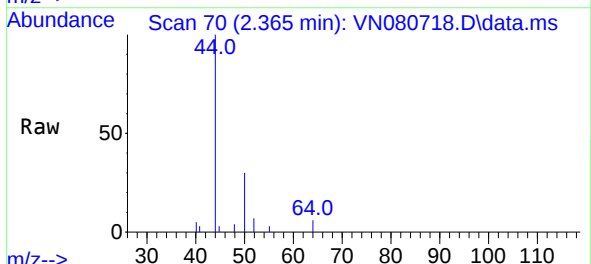


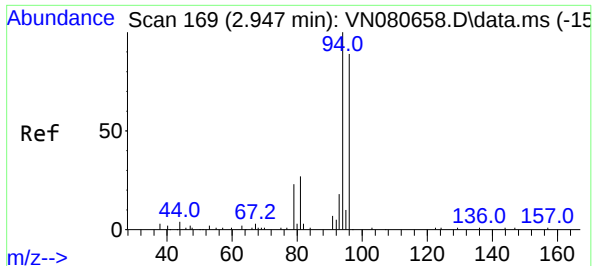
Tgt Ion:168 Resp: 142553
Ion Ratio Lower Upper
168 100
99 76.8 53.0 79.6



#3
Chloromethane
Concen: 0.531 ug/l
RT: 2.365 min Scan# 70
Delta R.T. 0.006 min
Lab File: VN080718.D
Acq: 15 Jan 2024 16:19

Tgt Ion: 50 Resp: 3078
Ion Ratio Lower Upper
50 100
52 23.2 26.5 39.7#

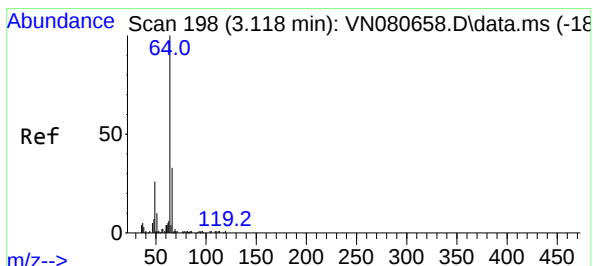
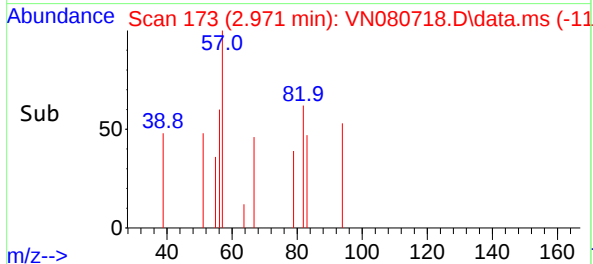
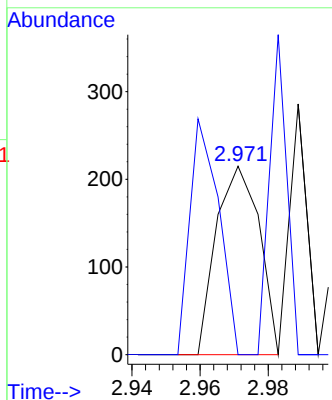
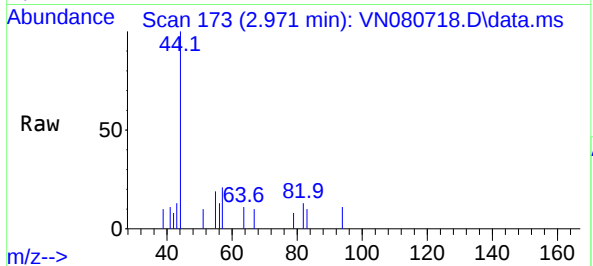




#5
Bromomethane
Concen: 0.237 ug/l
RT: 2.971 min Scan# 11
Delta R.T. 0.024 min
Lab File: VN080718.D
Acq: 15 Jan 2024 16:19

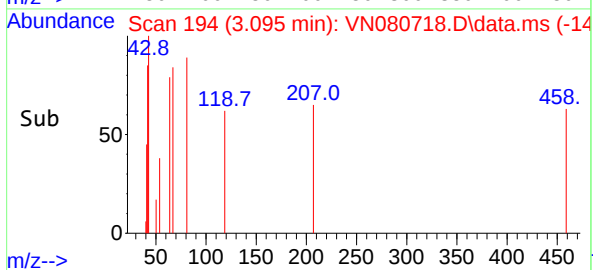
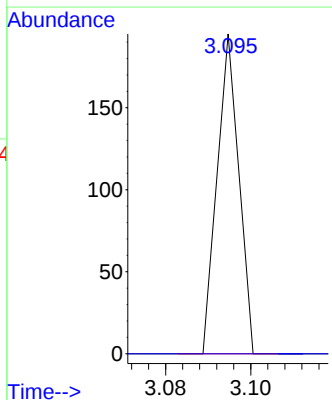
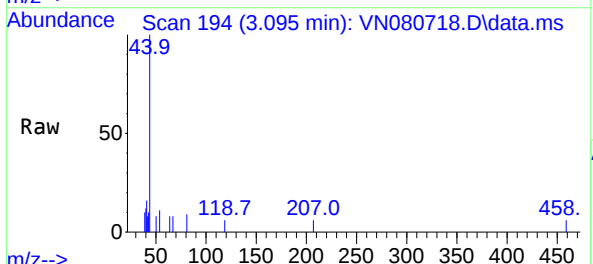
Instrument :
MSVOA_N
ClientSampleId :

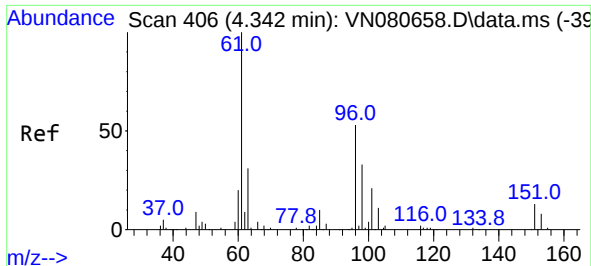
Tgt Ion: 94 Resp: 189
Ion Ratio Lower Upper
94 100
96 0.0 73.1 109.7#



#6
Chloroethane
Concen: Below Cal
RT: 3.095 min Scan# 194
Delta R.T. -0.023 min
Lab File: VN080718.D
Acq: 15 Jan 2024 16:19

Tgt Ion: 64 Resp: 69
Ion Ratio Lower Upper
64 100
66 0.0 25.4 38.2#





#12

1,1-Dichloroethene

Concen: 29.320 ug/l

RT: 4.336 min Scan# 406

Delta R.T. -0.006 min

Lab File: VN080718.D

Acq: 15 Jan 2024 16:19

Instrument :

MSVOA_N

ClientSampleId :

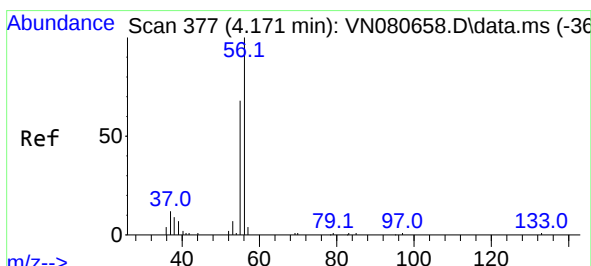
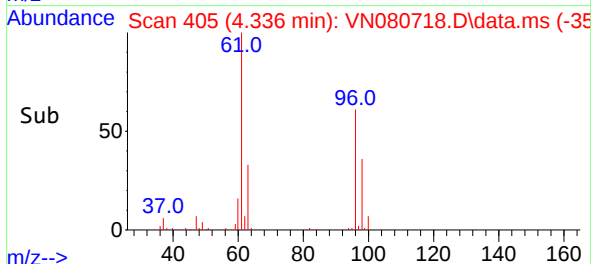
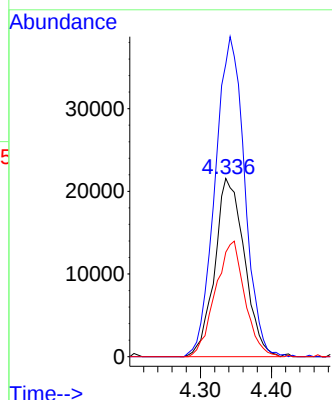
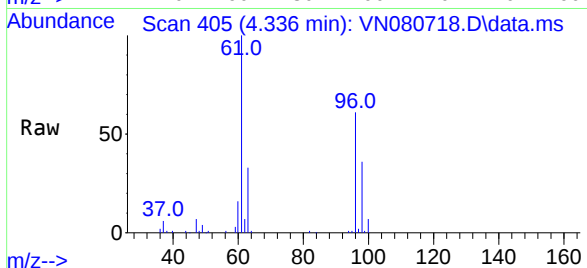
Tgt Ion: 96 Resp: 62402

Ion Ratio Lower Upper

96 100

61 164.3 112.7 169.1

98 58.7 51.2 76.8



#13

Acrolein

Concen: 0.212 ug/l

RT: 4.212 min Scan# 384

Delta R.T. 0.041 min

Lab File: VN080718.D

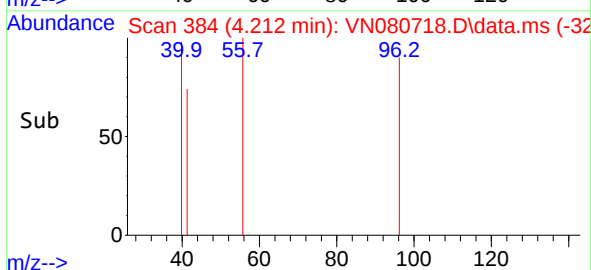
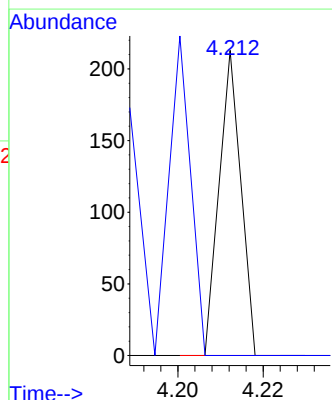
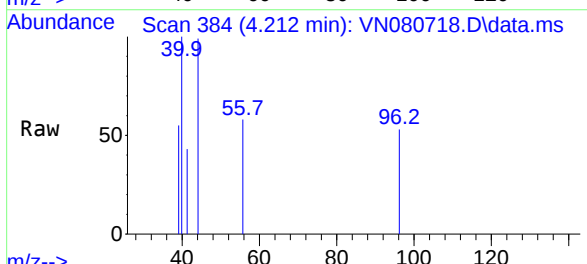
Acq: 15 Jan 2024 16:19

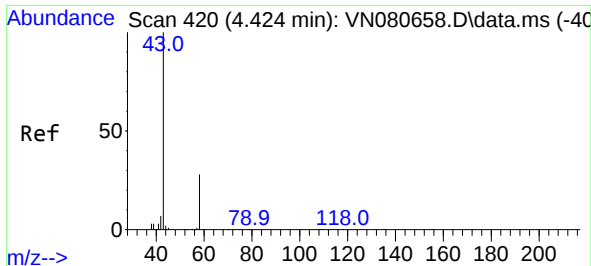
Tgt Ion: 56 Resp: 75

Ion Ratio Lower Upper

56 100

55 0.0 54.5 81.7#

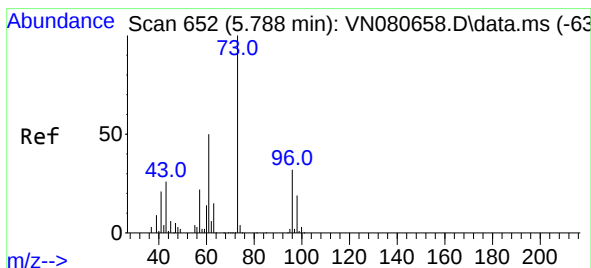
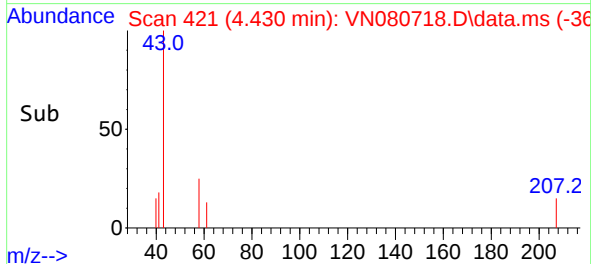
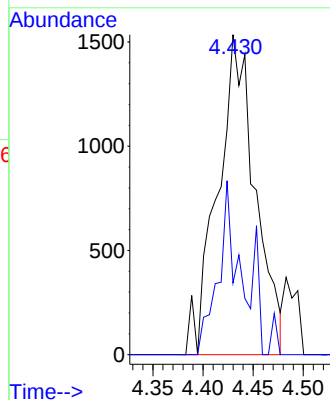
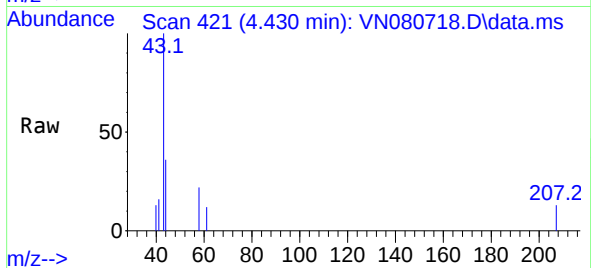




#16
Acetone
Concen: 4.901 ug/l
RT: 4.430 min Scan# 41
Delta R.T. 0.006 min
Lab File: VN080718.D
Acq: 15 Jan 2024 16:19

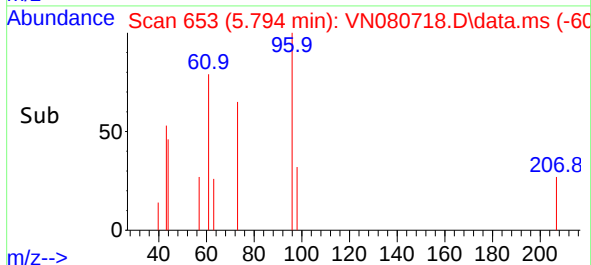
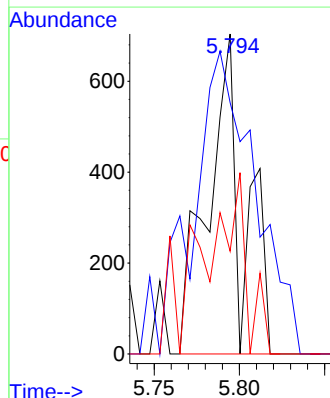
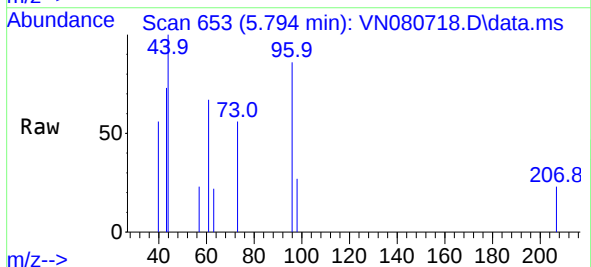
Instrument :
MSVOA_N
ClientSampleId :

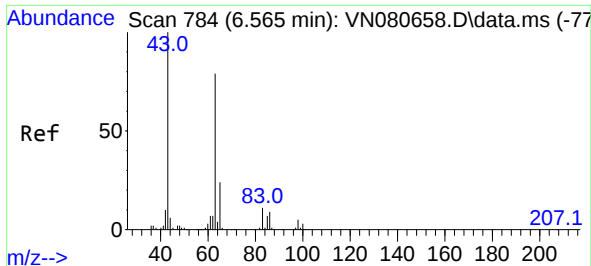
Tgt Ion: 43 Resp: 4028
Ion Ratio Lower Upper
43 100
58 22.4 28.0 42.0#



#21
trans-1,2-Dichloroethene
Concen: 0.471 ug/l
RT: 5.794 min Scan# 653
Delta R.T. 0.006 min
Lab File: VN080718.D
Acq: 15 Jan 2024 16:19

Tgt Ion: 96 Resp: 1017
Ion Ratio Lower Upper
96 100
61 56.1 90.1 135.1#
98 32.1 46.4 69.6#

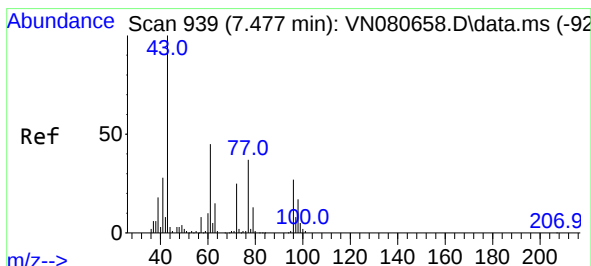
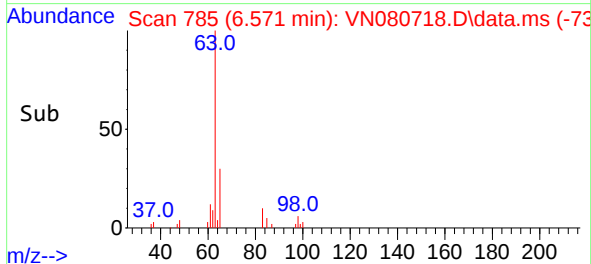
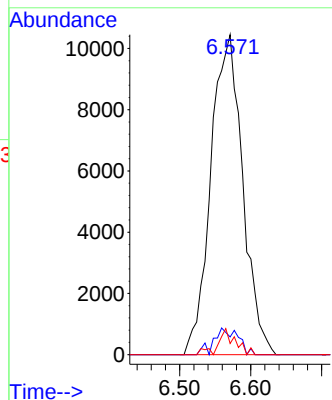
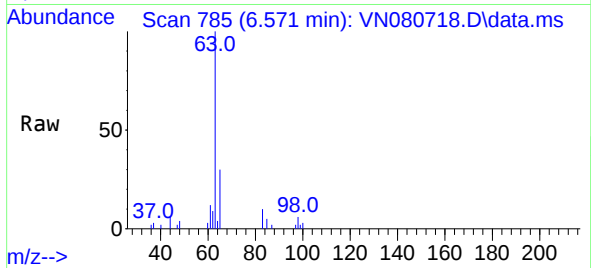




#24
1,1-Dichloroethane
Concen: 7.474 ug/l
RT: 6.571 min Scan# 71
Delta R.T. 0.006 min
Lab File: VN080718.D
Acq: 15 Jan 2024 16:19

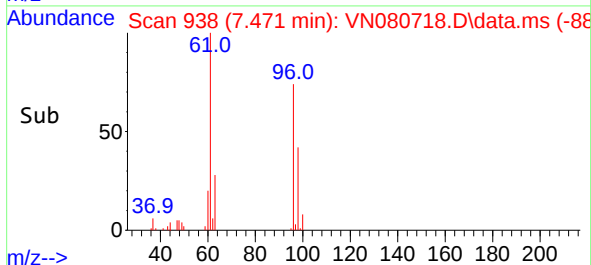
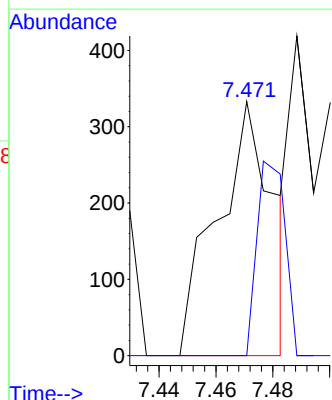
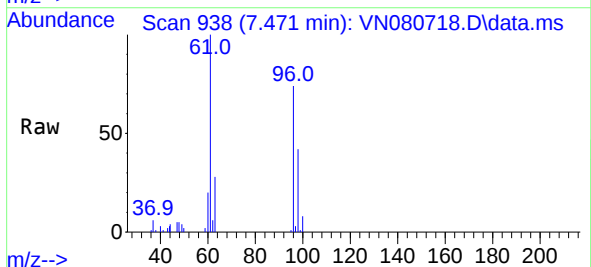
Instrument :
MSVOA_N
ClientSampleId :

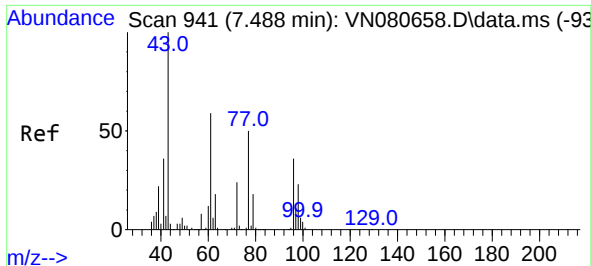
Tgt Ion: 63 Resp: 32548
Ion Ratio Lower Upper
63 100
98 5.5 3.9 11.7
100 3.5 2.5 7.4



#25
2-Butanone
Concen: 0.303 ug/l
RT: 7.471 min Scan# 938
Delta R.T. -0.006 min
Lab File: VN080718.D
Acq: 15 Jan 2024 16:19

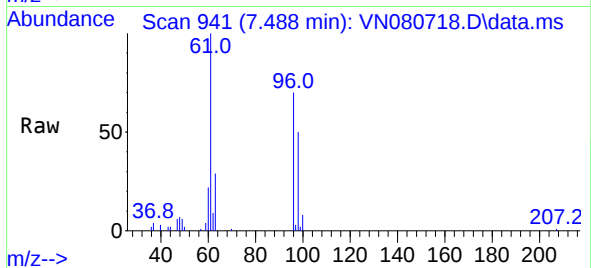
Tgt Ion: 43 Resp: 450
Ion Ratio Lower Upper
43 100
72 0.0 30.2 45.2#





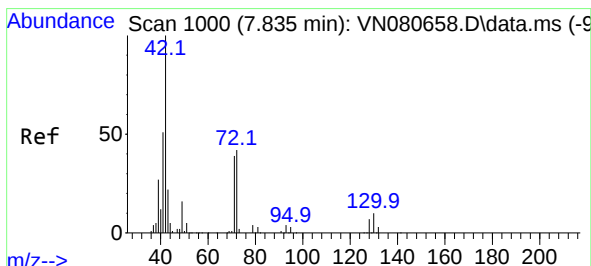
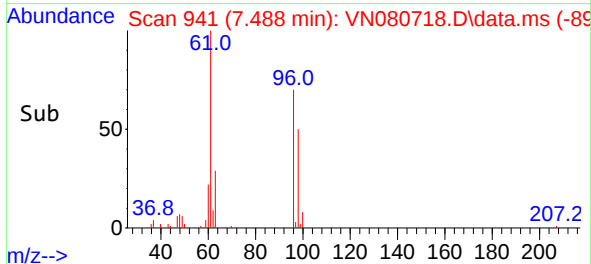
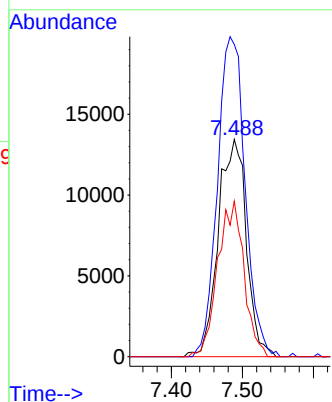
#27
 cis-1,2-Dichloroethene
 Concen: 15.465 ug/l
 RT: 7.488 min Scan# 941
 Delta R.T. 0.000 min
 Lab File: VN080718.D
 Acq: 15 Jan 2024 16:19

Instrument :
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 ClientSampleId :



Tgt Ion: 96 Resp: 36804

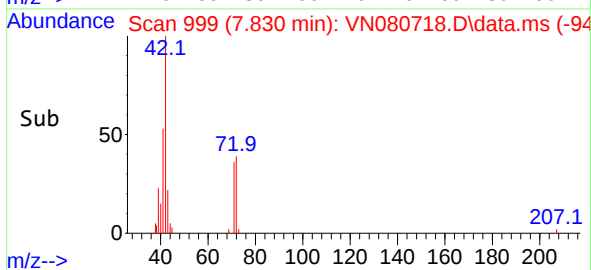
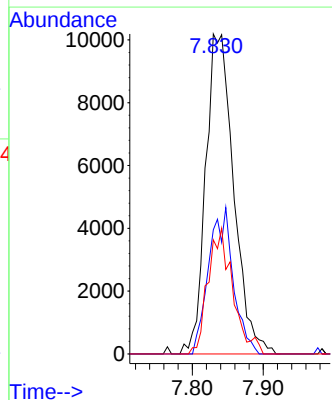
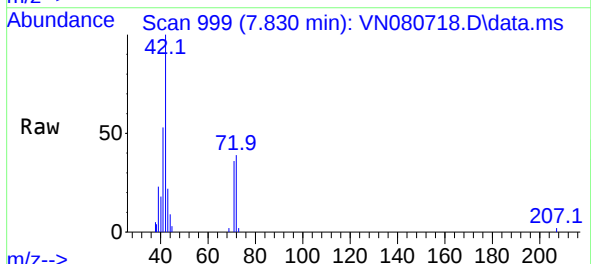
Ion	Ratio	Lower	Upper
96	100		
61	145.4	0.0	255.2
98	67.0	0.0	128.8

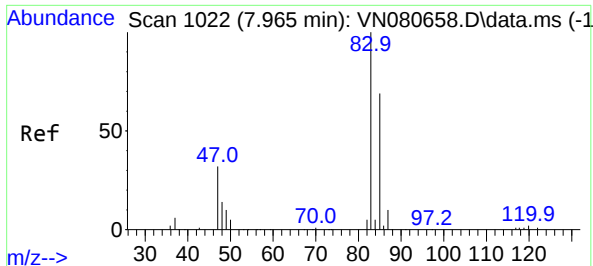


#29
 Tetrahydrofuran
 Concen: 27.915 ug/l
 RT: 7.830 min Scan# 999
 Delta R.T. -0.006 min
 Lab File: VN080718.D
 Acq: 15 Jan 2024 16:19

Tgt Ion: 42 Resp: 27952

Ion	Ratio	Lower	Upper
42	100		
72	40.0	49.8	74.6#
71	34.6	47.4	71.2#

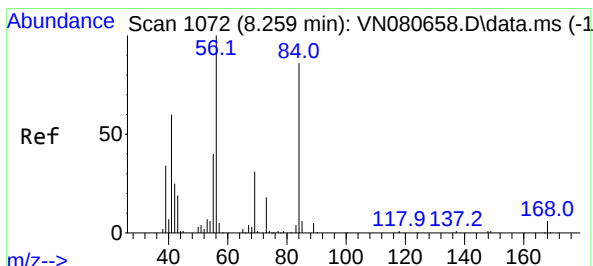
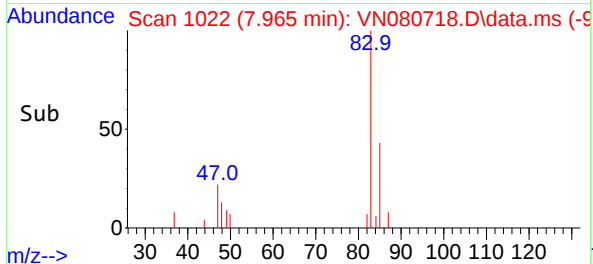
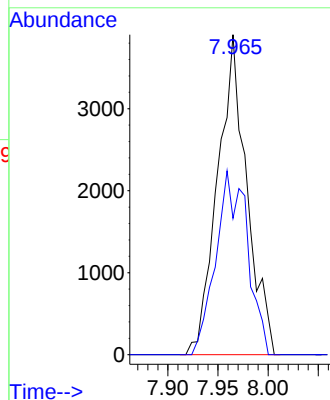
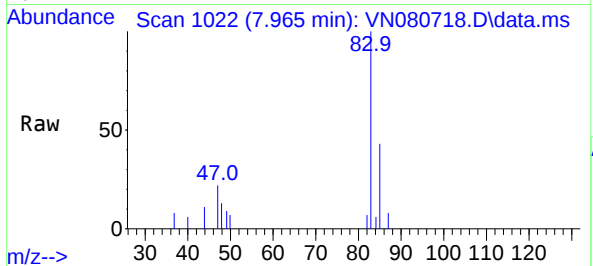




#30
Chloroform
Concen: 1.939 ug/l
RT: 7.965 min Scan# 1067
Delta R.T. 0.000 min
Lab File: VN080718.D
Acq: 15 Jan 2024 16:19

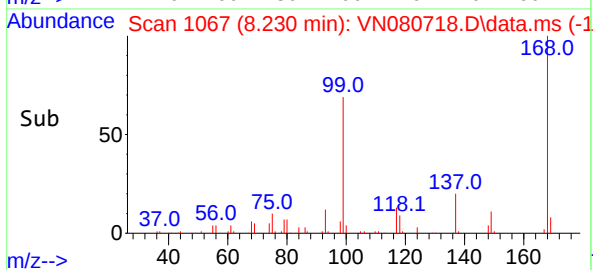
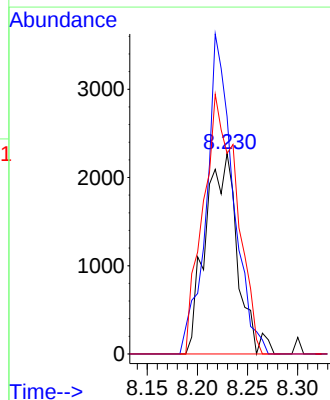
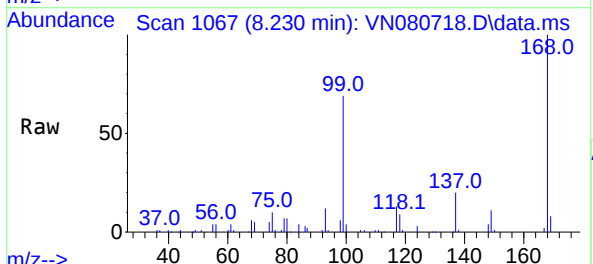
Instrument :
MSVOA_N
ClientSampleId :

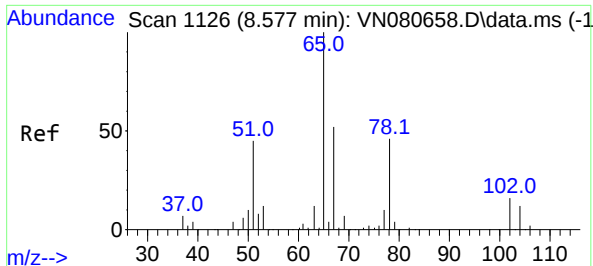
Tgt Ion: 83 Resp: 7916
Ion Ratio Lower Upper
83 100
85 42.6 55.4 83.0#



#31
Cyclohexane
Concen: 1.309 ug/l
RT: 8.230 min Scan# 1067
Delta R.T. -0.029 min
Lab File: VN080718.D
Acq: 15 Jan 2024 16:19

Tgt Ion: 56 Resp: 5061
Ion Ratio Lower Upper
56 100
69 118.3 26.8 40.2#
84 100.1 81.8 122.6

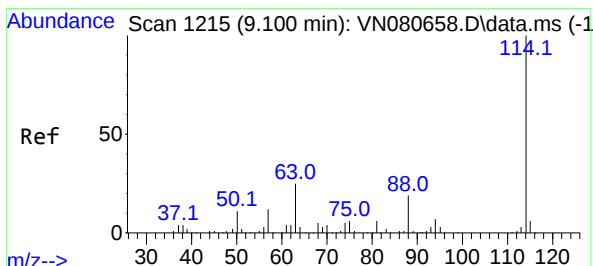
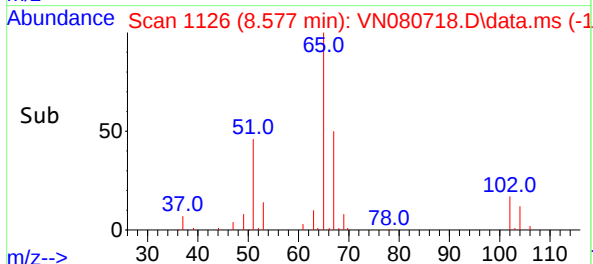
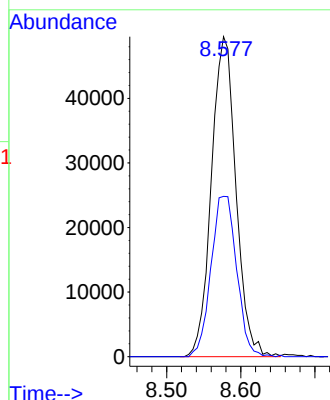
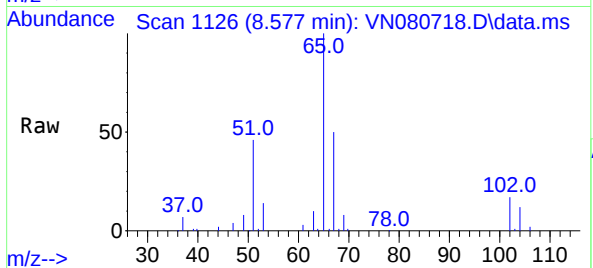




#33
1,2-Dichloroethane-d4
Concen: 45.548 ug/l
RT: 8.577 min Scan# 1126
Delta R.T. -0.000 min
Lab File: VN080718.D
Acq: 15 Jan 2024 16:19

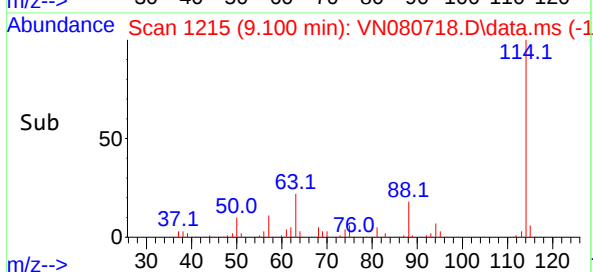
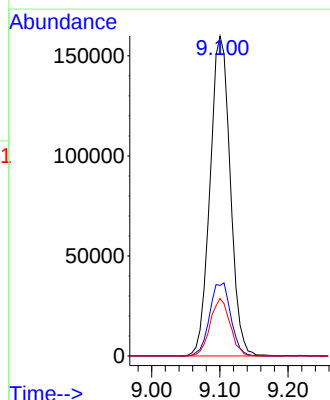
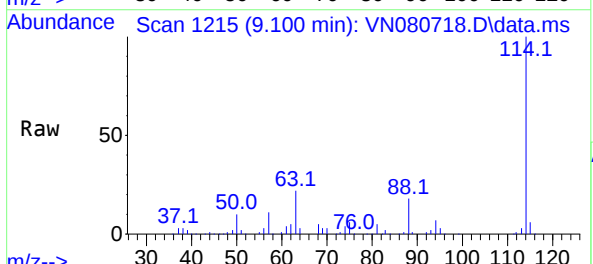
Instrument :
MSVOA_N
ClientSampleId :

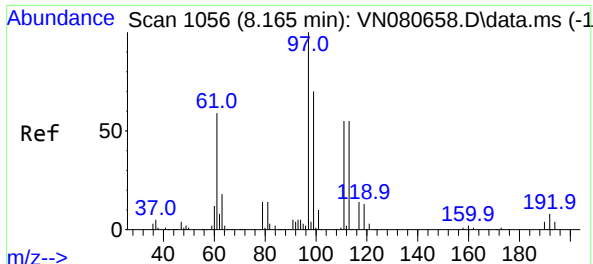
Tgt Ion: 65 Resp: 114024
Ion Ratio Lower Upper
65 100
67 52.3 0.0 106.6



#34
1,4-Difluorobenzene
Concen: 50.000 ug/l
RT: 9.100 min Scan# 1215
Delta R.T. 0.000 min
Lab File: VN080718.D
Acq: 15 Jan 2024 16:19

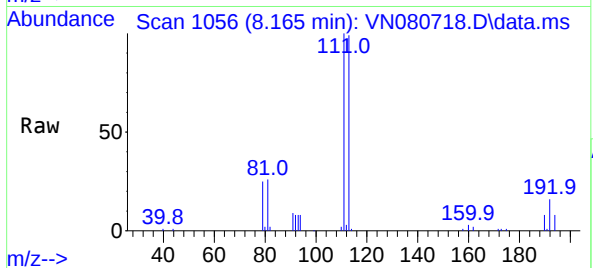
Tgt Ion: 114 Resp: 329515
Ion Ratio Lower Upper
114 100
63 22.0 0.0 36.4
88 18.0 0.0 30.6



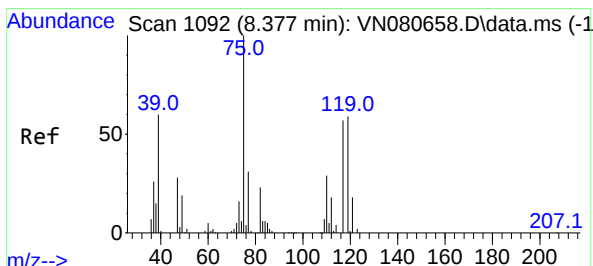
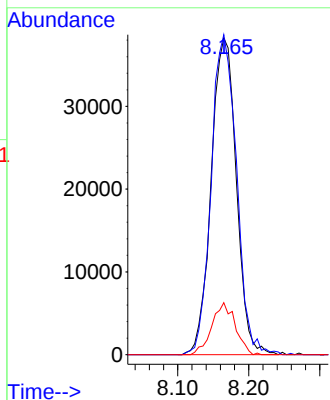
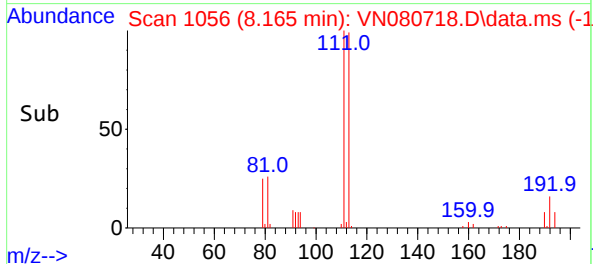


#35
Dibromofluoromethane
Concen: 50.073 ug/l
RT: 8.165 min Scan# 1056
Delta R.T. 0.000 min
Lab File: VN080718.D
Acq: 15 Jan 2024 16:19

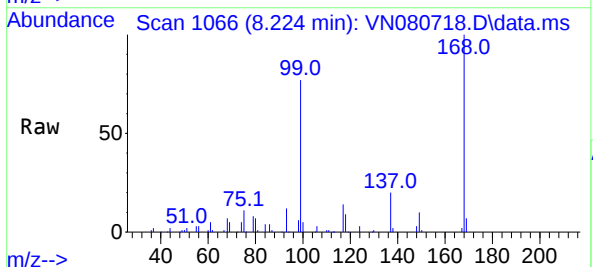
Instrument :
MSVOA_N
ClientSampleId :



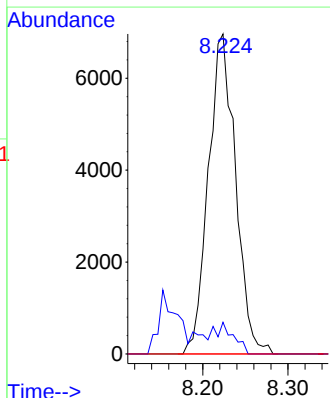
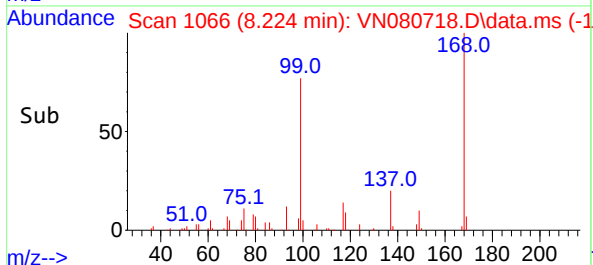
Tgt Ion:113 Resp: 93747
Ion Ratio Lower Upper
113 100
111 102.0 82.6 123.8
192 15.4 12.7 19.1

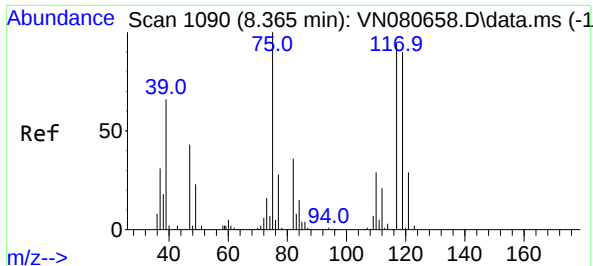


#36
1,1-Dichloropropene
Concen: 4.029 ug/l
RT: 8.224 min Scan# 1066
Delta R.T. -0.153 min
Lab File: VN080718.D
Acq: 15 Jan 2024 16:19



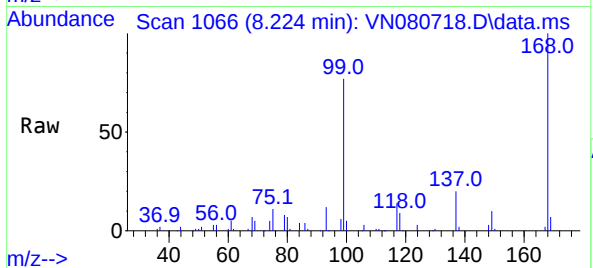
Tgt Ion: 75 Resp: 15450
Ion Ratio Lower Upper
75 100
110 6.9 19.1 57.3#
77 0.0 25.0 37.4#



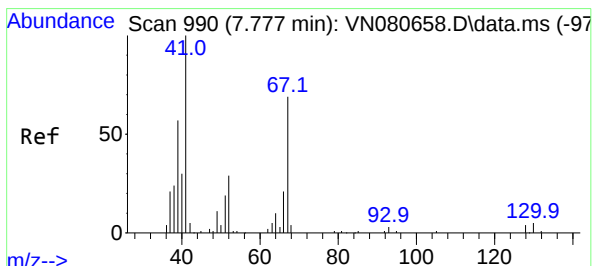
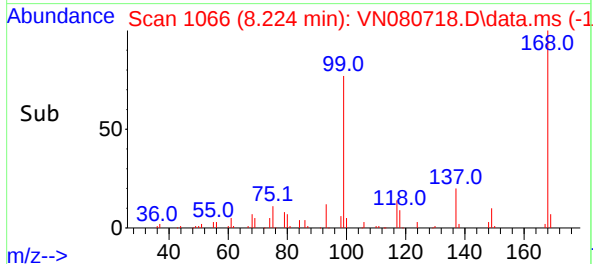
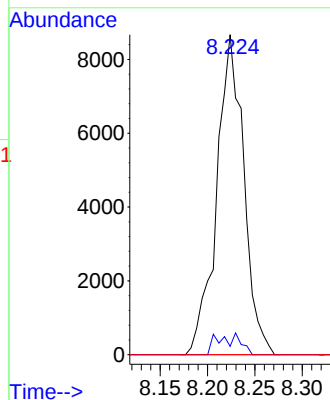


#38
Carbon Tetrachloride
Concen: 5.022 ug/l
RT: 8.224 min Scan# 1066
Delta R.T. -0.141 min
Lab File: VN080718.D
Acq: 15 Jan 2024 16:19

Instrument :
MSVOA_N
ClientSampleId :

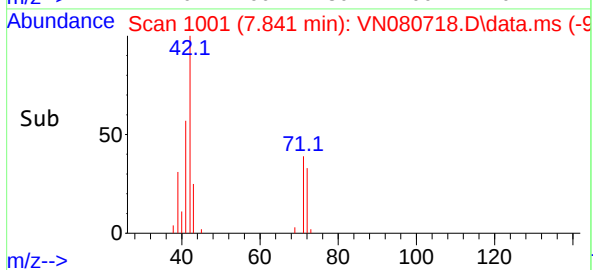
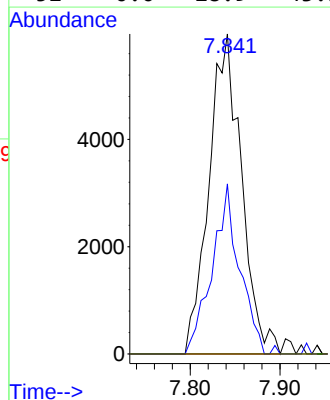
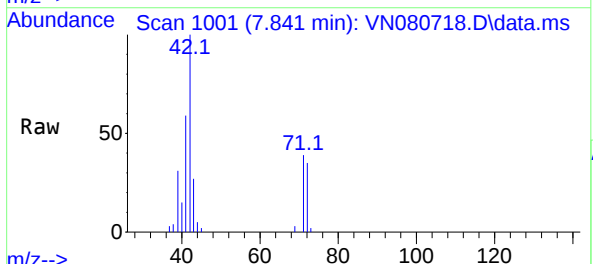


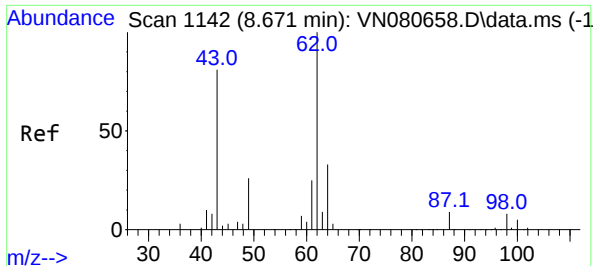
Tgt Ion:117 Resp: 17292
Ion Ratio Lower Upper
117 100
119 2.6 77.3 115.9#
121 0.0 23.3 34.9#



#41
Methacrylonitrile
Concen: 6.957 ug/l
RT: 7.841 min Scan# 1001
Delta R.T. 0.065 min
Lab File: VN080718.D
Acq: 15 Jan 2024 16:19

Tgt Ion: 41 Resp: 15007
Ion Ratio Lower Upper
41 100
39 44.8 42.6 64.0
67 0.0 77.5 116.3#
52 0.0 28.9 43.3#

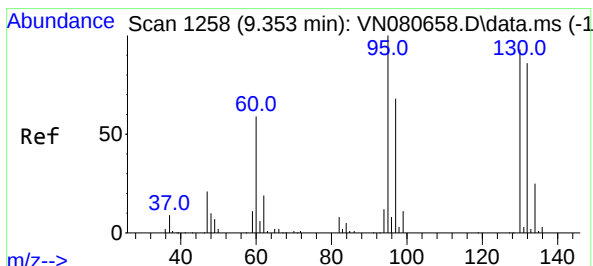
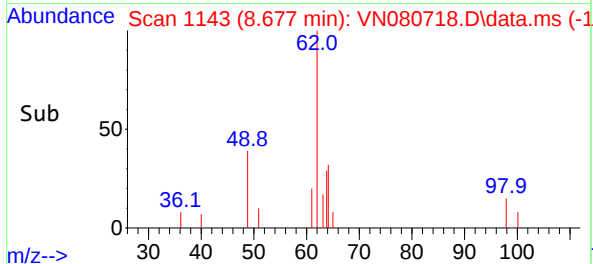
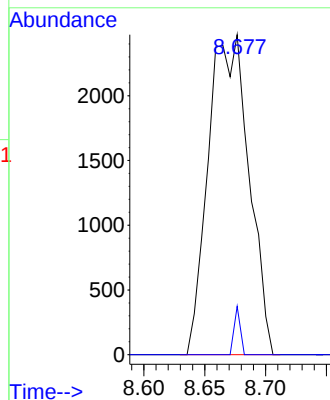
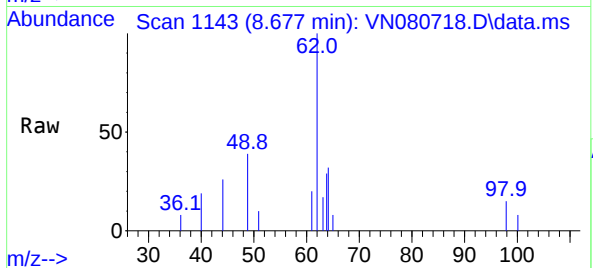




#42
1,2-Dichloroethane
Concen: 1.391 ug/l
RT: 8.677 min Scan# 1142
Delta R.T. 0.006 min
Lab File: VN080718.D
Acq: 15 Jan 2024 16:19

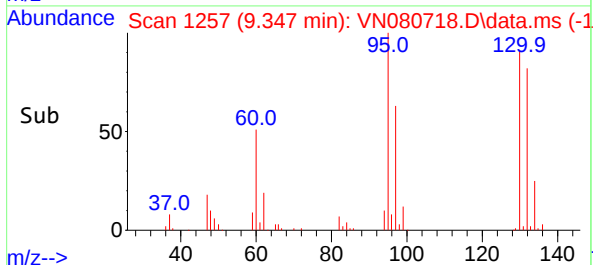
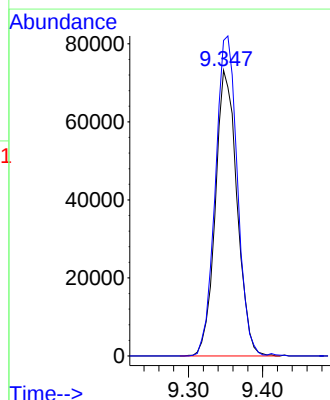
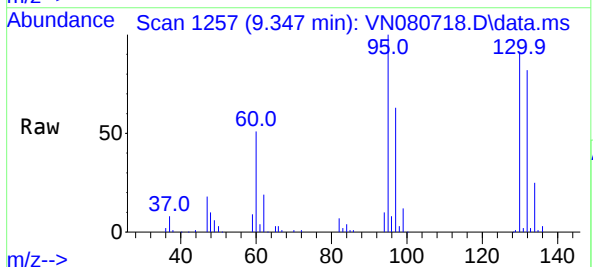
Instrument :
MSVOA_N
ClientSampleId :

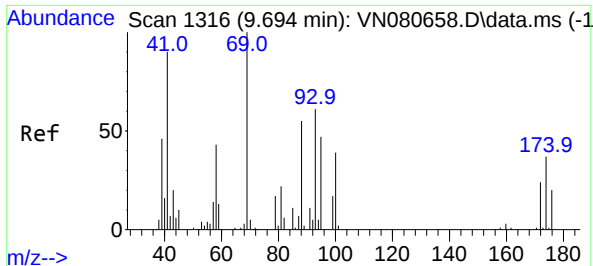
Tgt Ion: 62 Resp: 5743
Ion Ratio Lower Upper
62 100
98 2.3 0.0 19.8



#44
Trichloroethene
Concen: 60.902 ug/l
RT: 9.347 min Scan# 1257
Delta R.T. -0.006 min
Lab File: VN080718.D
Acq: 15 Jan 2024 16:19

Tgt Ion: 130 Resp: 148645
Ion Ratio Lower Upper
130 100
95 110.5 0.0 204.6

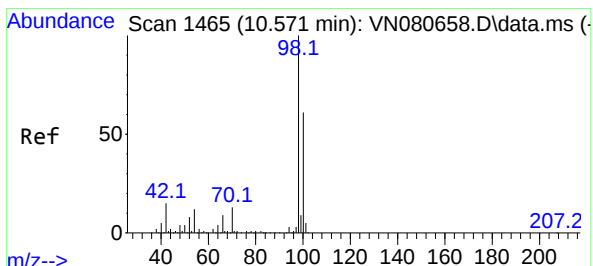
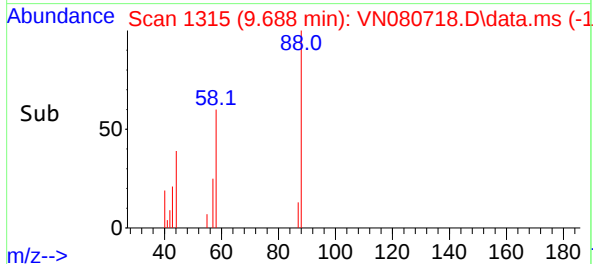
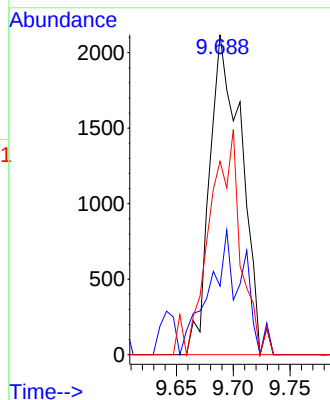
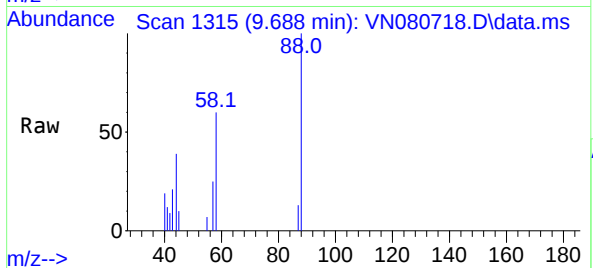




#49
1,4-Dioxane
Concen: 102.861 ug/l
RT: 9.688 min Scan# 11
Delta R.T. -0.006 min
Lab File: VN080718.D
Acq: 15 Jan 2024 16:19

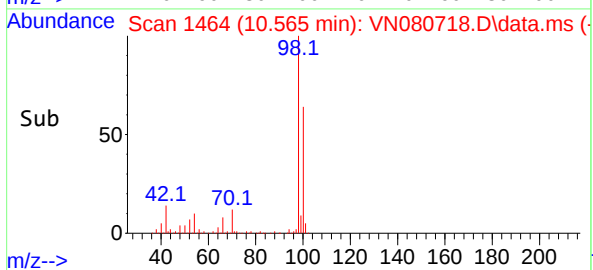
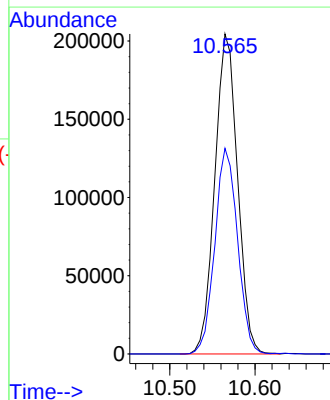
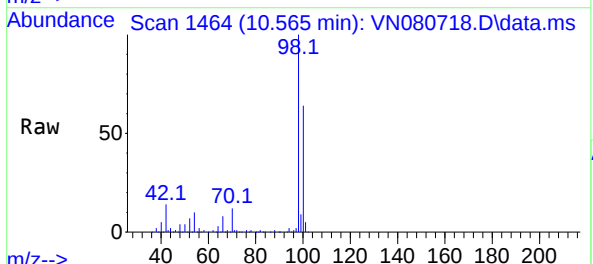
Instrument :
MSVOA_N
ClientSampleId :

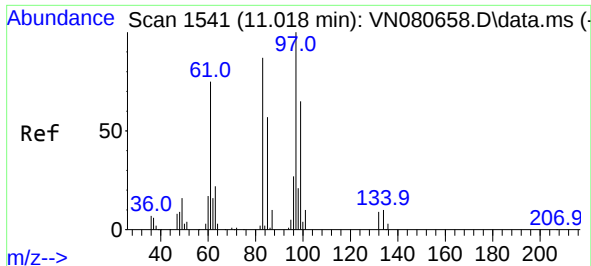
Tgt Ion: 88 Resp: 4148
Ion Ratio Lower Upper
88 100
43 41.3 17.0 25.6#
58 69.5 47.0 70.4



#50
Toluene-d8
Concen: 53.118 ug/l
RT: 10.565 min Scan# 1464
Delta R.T. -0.006 min
Lab File: VN080718.D
Acq: 15 Jan 2024 16:19

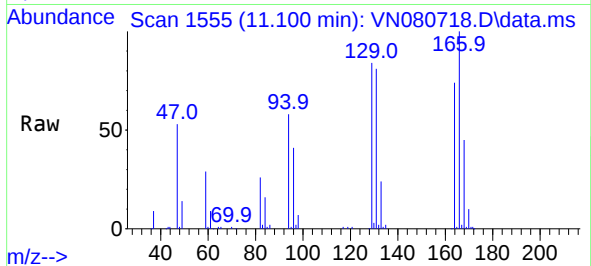
Tgt Ion: 98 Resp: 379207
Ion Ratio Lower Upper
98 100
100 64.2 52.0 78.0





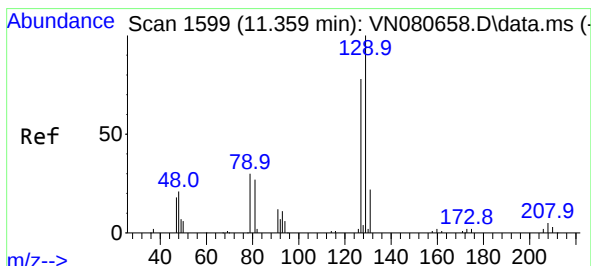
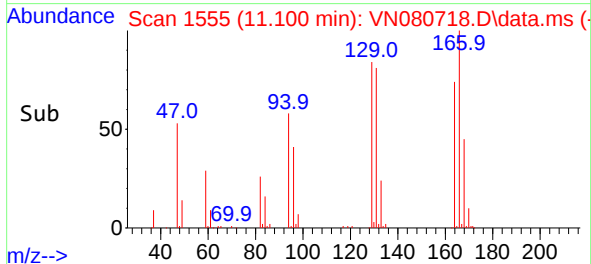
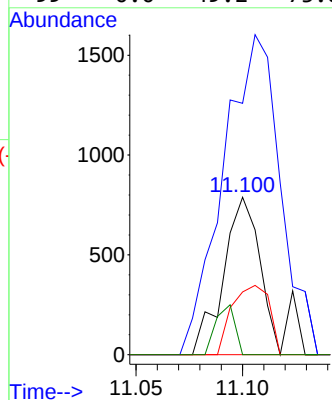
#55
1,1,2-Trichloroethane
Concen: 0.397 ug/l
RT: 11.100 min Scan# 1541
Delta R.T. 0.082 min
Lab File: VN080718.D
Acq: 15 Jan 2024 16:19

Instrument :
MSVOA_N
ClientSampleId :



Tgt Ion: 97 Resp: 943

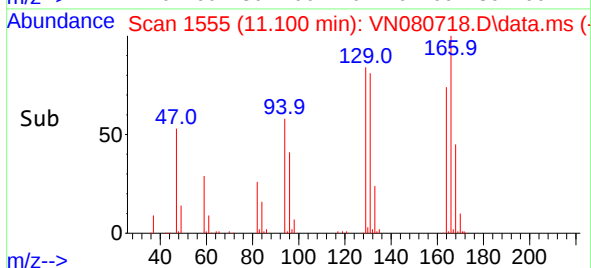
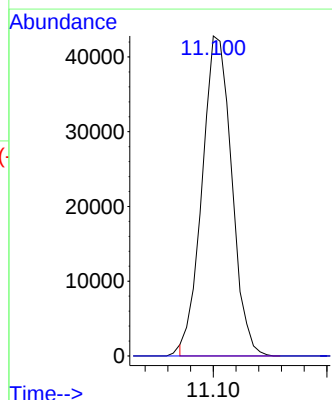
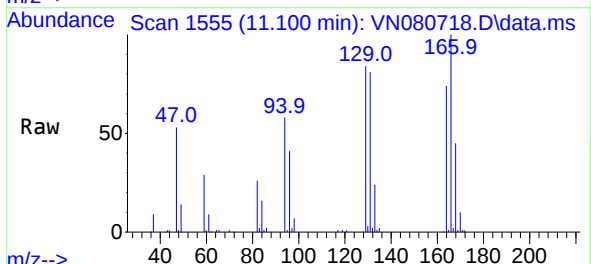
Ion	Ratio	Lower	Upper
97	100		
83	159.6	65.1	97.7#
85	39.8	43.4	65.2#
99	0.0	49.2	73.8#

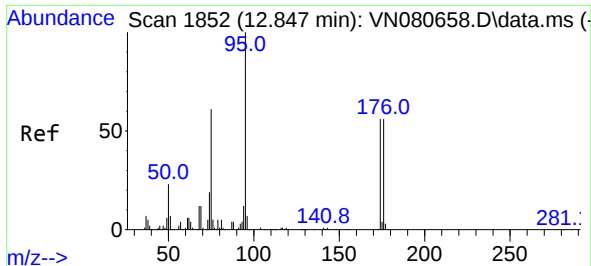


#60
Dibromochloromethane
Concen: 31.670 ug/l
RT: 11.100 min Scan# 1555
Delta R.T. -0.259 min
Lab File: VN080718.D
Acq: 15 Jan 2024 16:19

Tgt Ion: 129 Resp: 77388

Ion	Ratio	Lower	Upper
129	100		
127	0.0	38.6	116.0#

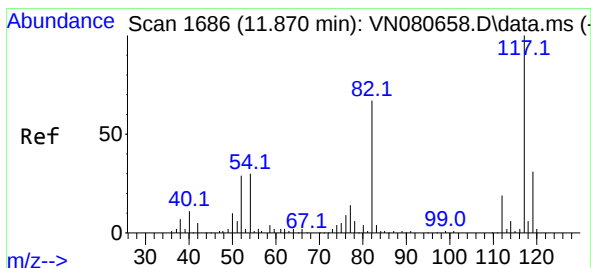
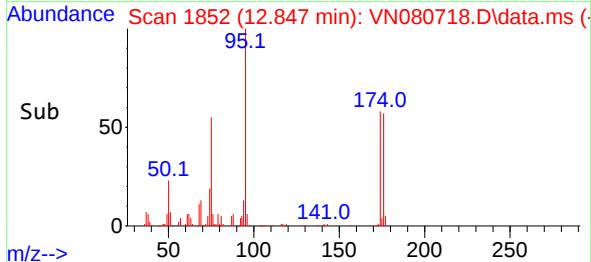
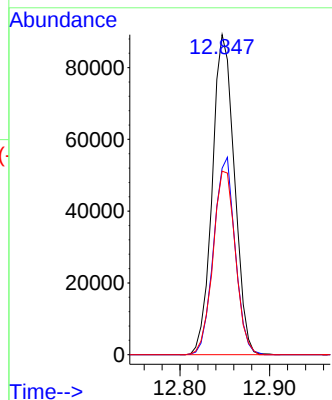
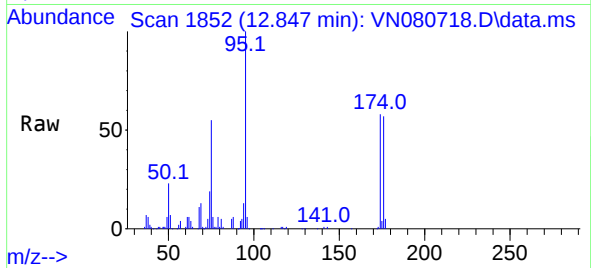




#62
4-Bromofluorobenzene
Concen: 55.795 ug/l
RT: 12.847 min Scan# 1852
Delta R.T. -0.000 min
Lab File: VN080718.D
Acq: 15 Jan 2024 16:19

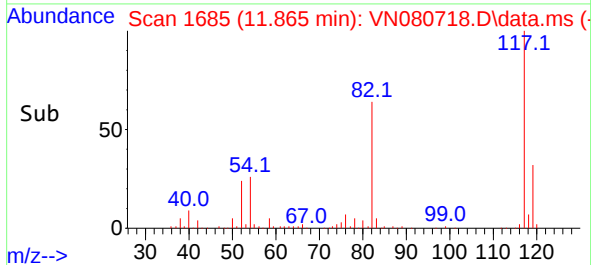
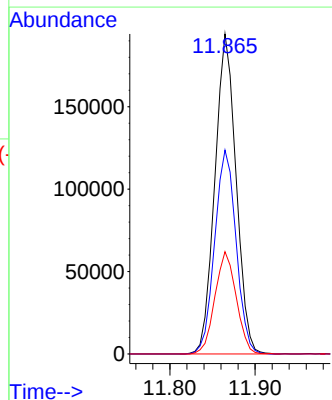
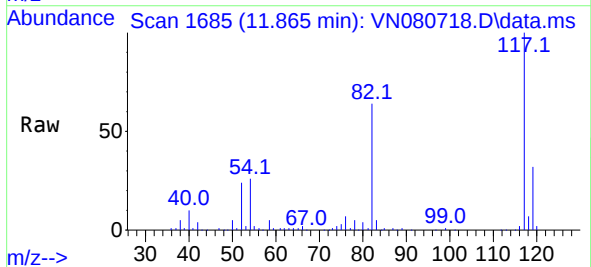
Instrument :
MSVOA_N
ClientSampleId :

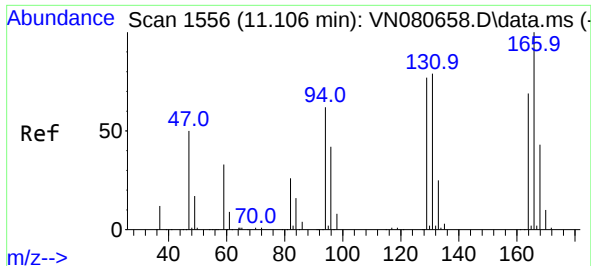
Tgt Ion: 95 Resp: 152744
Ion Ratio Lower Upper
95 100
174 59.7 0.0 143.8
176 58.1 0.0 135.8



#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.865 min Scan# 1685
Delta R.T. -0.006 min
Lab File: VN080718.D
Acq: 15 Jan 2024 16:19

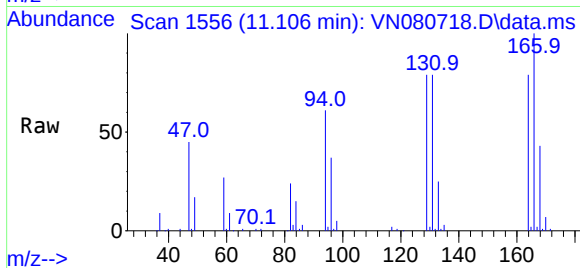
Tgt Ion: 117 Resp: 335515
Ion Ratio Lower Upper
117 100
82 63.7 44.0 66.0
119 31.9 25.6 38.4



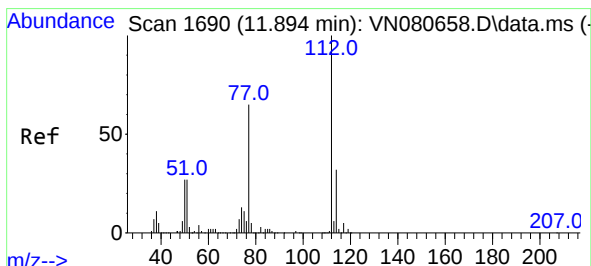
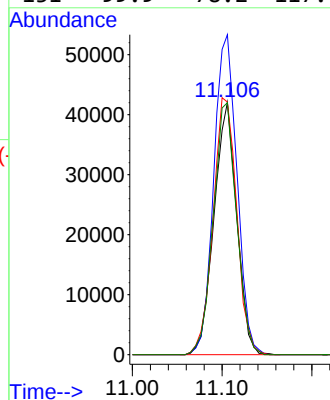
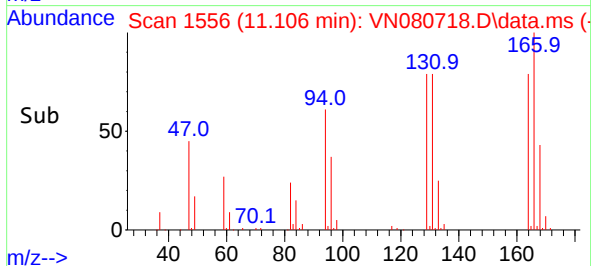


#64
Tetrachloroethene
Concen: 32.031 ug/l
RT: 11.106 min Scan# 11
Delta R.T. 0.000 min
Lab File: VN080718.D
Acq: 15 Jan 2024 16:19

Instrument :
MSVOA_N
ClientSampleId :

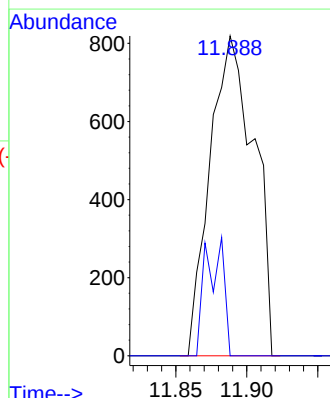
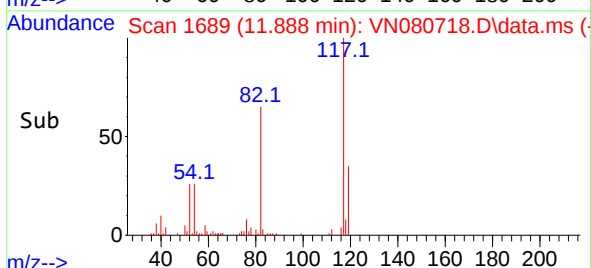
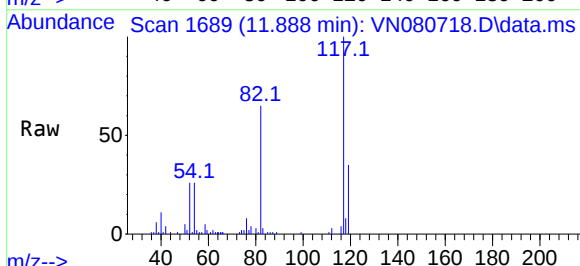


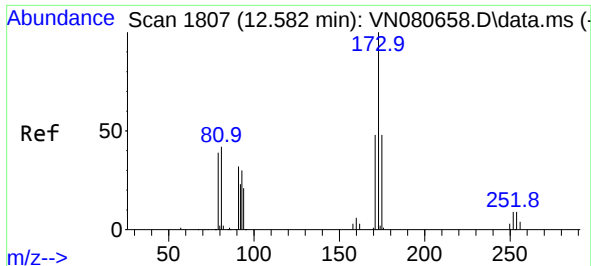
Tgt Ion:164 Resp: 73803
Ion Ratio Lower Upper
164 100
166 126.8 101.4 152.0
129 100.1 82.4 123.6
131 99.9 78.2 117.4



#65
Chlorobenzene
Concen: 0.240 ug/l
RT: 11.888 min Scan# 1689
Delta R.T. -0.006 min
Lab File: VN080718.D
Acq: 15 Jan 2024 16:19

Tgt Ion:112 Resp: 1762
Ion Ratio Lower Upper
112 100
114 0.0 25.0 37.4#

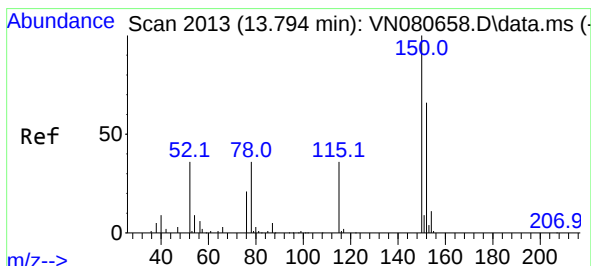
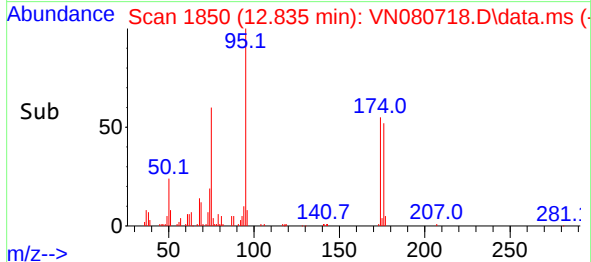
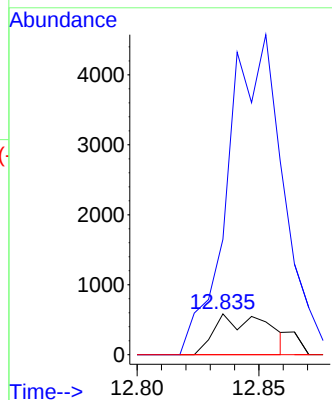
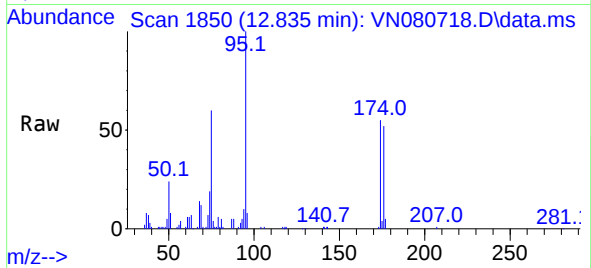




#71
Bromoform
Concen: 0.490 ug/l
RT: 12.835 min Scan# 1807
Delta R.T. 0.253 min
Lab File: VN080718.D
Acq: 15 Jan 2024 16:19

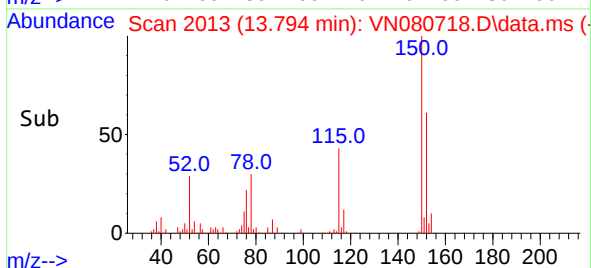
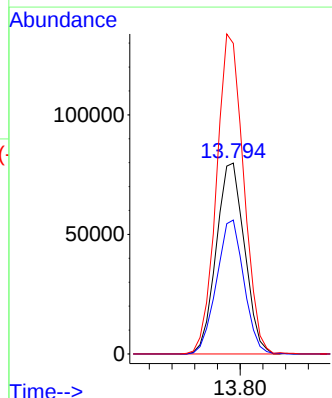
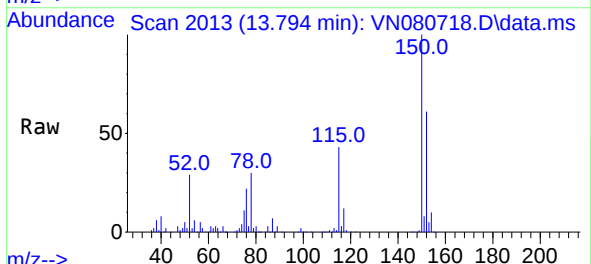
Instrument :
MSVOA_N
ClientSampleId :

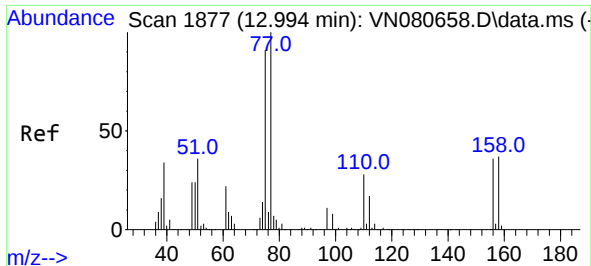
Tgt Ion:173 Resp: 877
Ion Ratio Lower Upper
173 100
175 736.4 24.3 73.0#
254 0.0 0.0 0.0



#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 13.794 min Scan# 2013
Delta R.T. 0.000 min
Lab File: VN080718.D
Acq: 15 Jan 2024 16:19

Tgt Ion:152 Resp: 137915
Ion Ratio Lower Upper
152 100
115 67.9 32.3 96.8
150 161.5 0.0 355.8

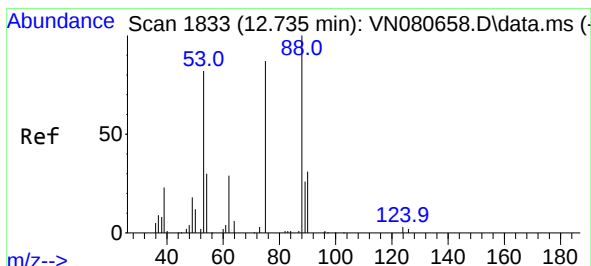
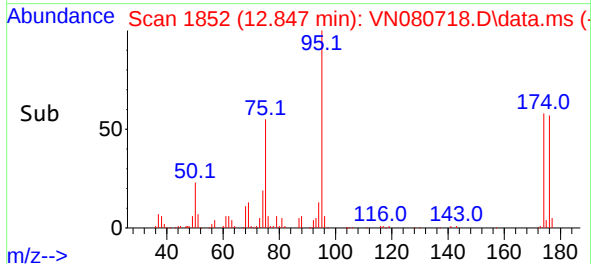
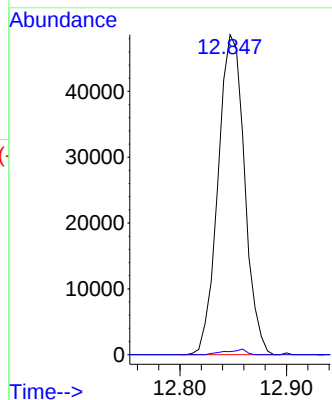
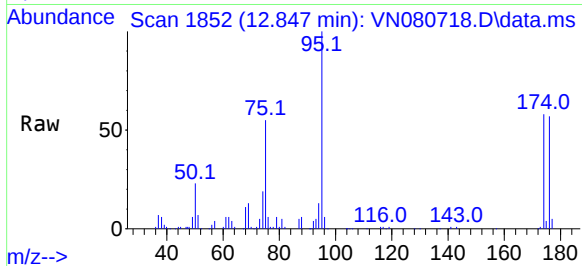




#76
1,2,3-Trichloropropane
Concen: 19.746 ug/l
RT: 12.847 min Scan# 1852
Delta R.T. -0.147 min
Lab File: VN080718.D
Acq: 15 Jan 2024 16:19

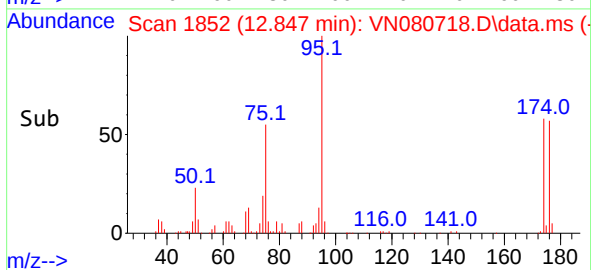
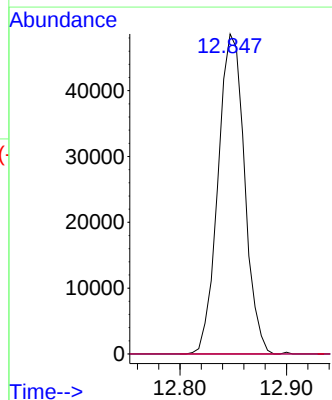
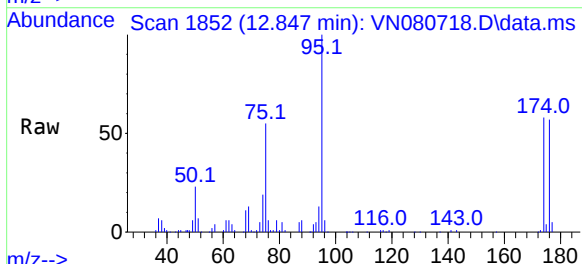
Instrument :
MSVOA_N
ClientSampleId :

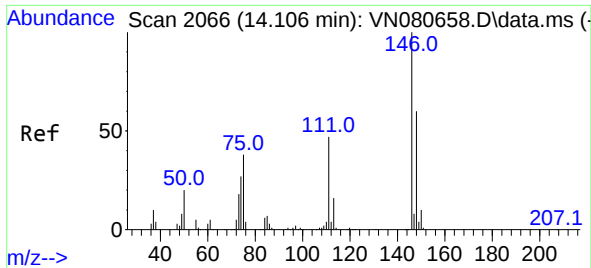
Tgt Ion: 75 Resp: 83975
Ion Ratio Lower Upper
75 100
77 1.3 84.5 253.5#



#81
trans-1,4-Dichloro-2-butene
Concen: 46.550 ug/l
RT: 12.847 min Scan# 1852
Delta R.T. 0.112 min
Lab File: VN080718.D
Acq: 15 Jan 2024 16:19

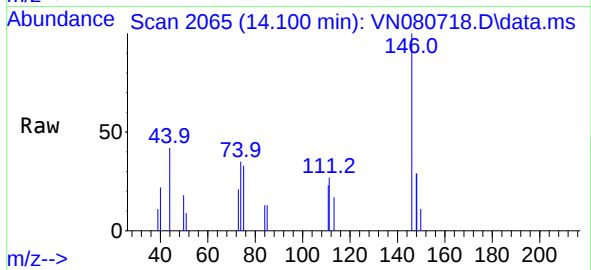
Tgt Ion: 75 Resp: 83975
Ion Ratio Lower Upper
75 100
53 0.0 67.4 101.2#
89 0.0 38.8 58.2#





#91
1,2-Dichlorobenzene
Concen: 0.682 ug/l
RT: 14.100 min Scan# 2065
Delta R.T. -0.006 min
Lab File: VN080718.D
Acq: 15 Jan 2024 16:19

Instrument :
MSVOA_N
ClientSampleId :



Tgt Ion:	146	Resp:	3199
Ion	Ratio	Lower	Upper
146	100		
111	47.5	22.0	66.0
148	68.9	31.8	95.3

