

Data Path : Z:\voasrv\HPCHEM1\MSVOA_N\Data\VN112423\
 Data File : VN080263.D
 Acq On : 24 Nov 2023 15:06
 Operator : JC\MD
 Sample : 05525-05
 Misc : 5.0mL/MSVOA_N/WATER
 ALS Vial : 12 Sample Multiplier: 1

Instrument :
 MSVOA_N
 ClientSampleId :

Quant Time: Nov 27 04:08:05 2023
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_N\methods\624N110823W.M
 Quant Title : METHOD 624 VOLATILE ORGANIC ANALYSIS
 QLast Update : Thu Nov 09 04:02:05 2023
 Response via : Initial Calibration

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

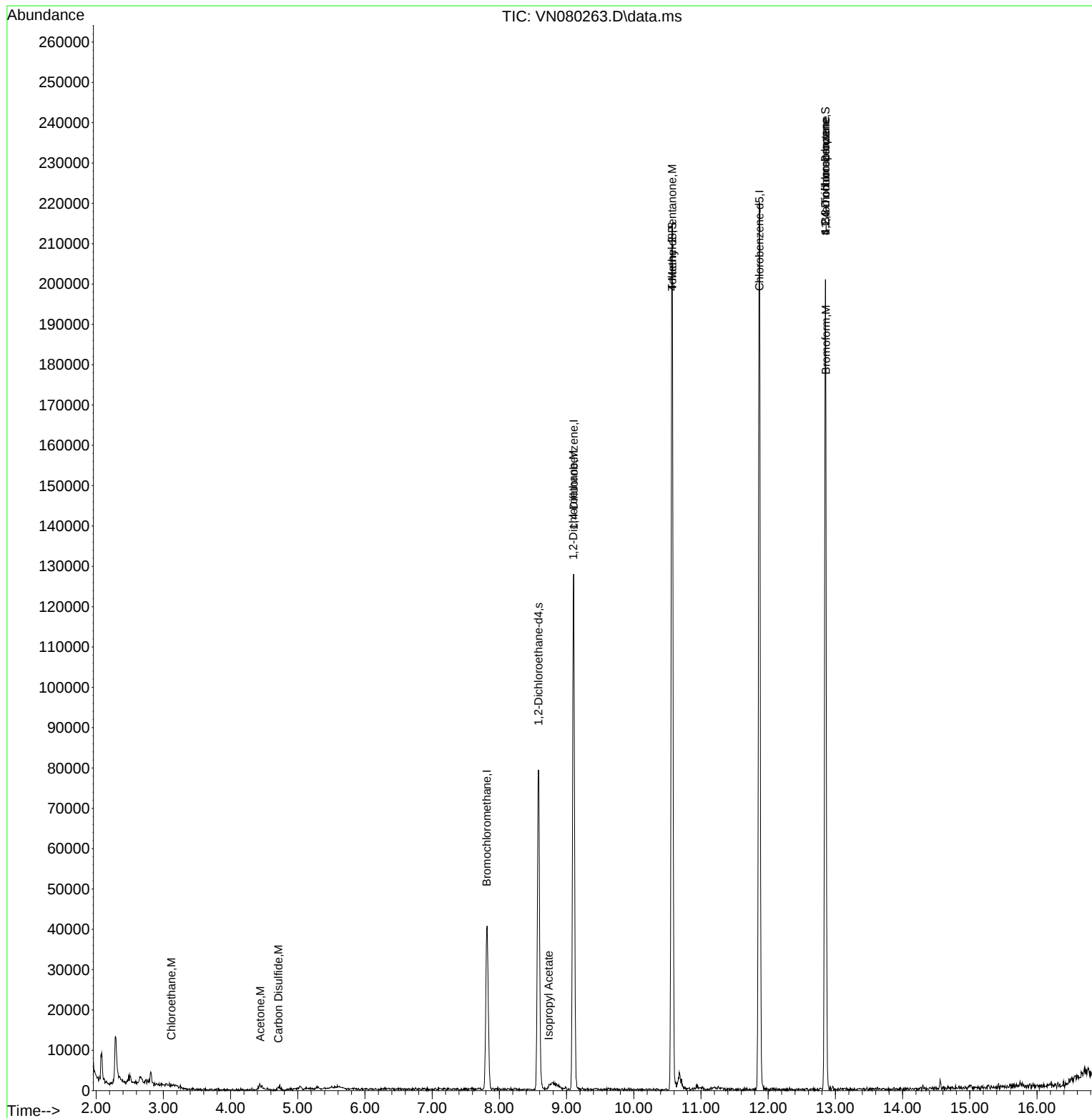
Internal Standards						
1) Bromochloromethane	7.812	128	14871	30.000	ug/l	-0.01
28) 1,4-Difluorobenzene	9.106	114	106455	30.000	ug/l	0.00
57) Chlorobenzene-d5	11.870	117	129178	30.000	ug/l	0.00
System Monitoring Compounds						
27) 1,2-Dichloroethane-d4	8.582	65	74413	59.611	ug/l	0.00
Spiked Amount	30.000	Range	91 - 110	Recovery	=	198.700%#
60) 4-Bromofluorobenzene	12.853	95	69511	33.649	ug/l	0.00
Spiked Amount	30.000	Range	63 - 112	Recovery	=	112.167%#
63) Toluene-d8	10.570	98	154568	25.253	ug/l	0.00
Spiked Amount	30.000	Range	91 - 112	Recovery	=	84.167%#
Target Compounds						
					Qvalue	
6) Chloroethane	3.118	64	200	0.337	ug/l #	46
15) Acetone	4.441	58	204	1.281	ug/l #	1
16) Carbon Disulfide	4.712	76	686	0.262	ug/l #	74
36) 1,2-Dichloroethane	9.100	62	3899	1.985	ug/l #	75
44) Isopropyl Acetate	8.735	43	575	0.215	ug/l #	1
56) Bromoform	12.859	173	539	0.607	ug/l #	1
58) 4-Methyl-2-Pentanone	10.570	43	517	0.240	ug/l #	1
72) 1,2,3-Trichloropropane	12.853	75	38191	17.269	ug/l	1
77) t-1,4-Dichloro-2-butene	12.853	75	38191	52.738	ug/l #	7

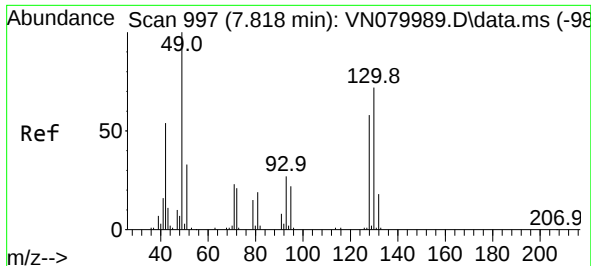
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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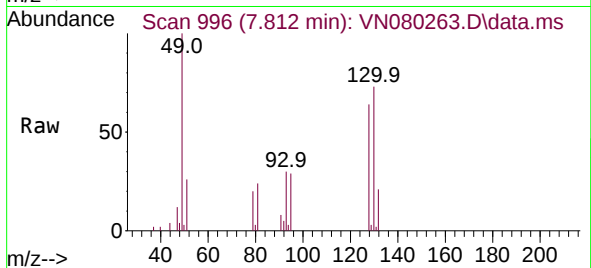
Quant Time: Nov 27 04:08:05 2023
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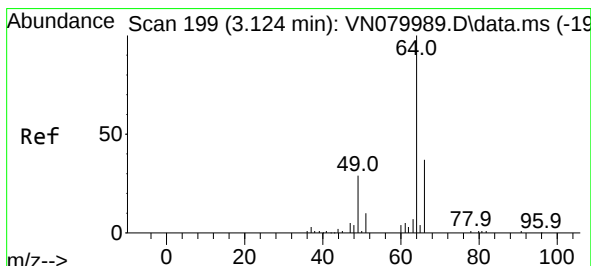
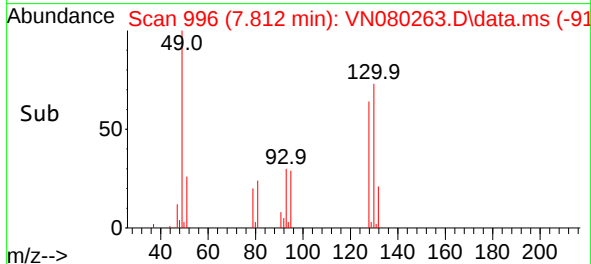
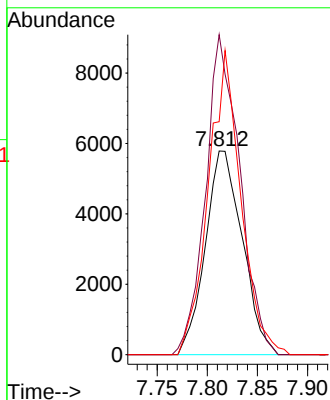


#1
Bromochloromethane
Concen: 30.000 ug/l
RT: 7.812 min Scan# 91
Delta R.T. -0.012 min
Lab File: VN080263.D
Acq: 24 Nov 2023 15:06

Instrument :
MSVOA_N
ClientSampleId :

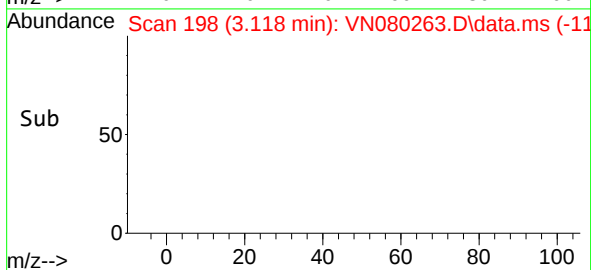
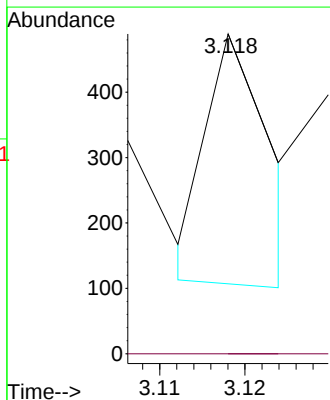
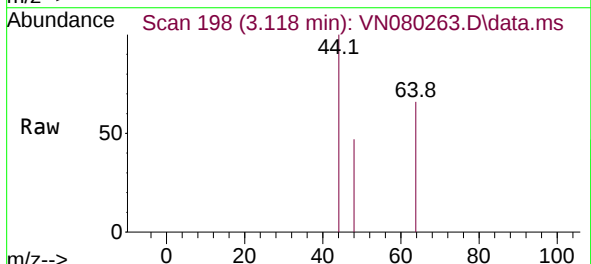


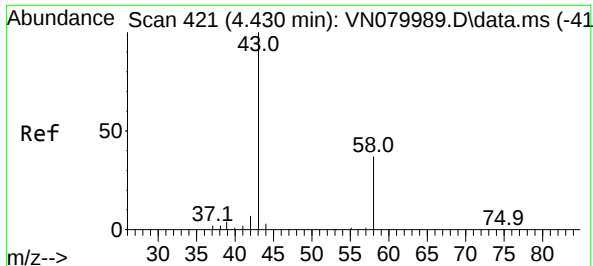
Tgt Ion:128 Resp: 14871
Ion Ratio Lower Upper
128 100
49 145.2 0.0 468.5
130 131.5 0.0 320.7



#6
Chloroethane
Concen: 0.337 ug/l
RT: 3.118 min Scan# 198
Delta R.T. -0.006 min
Lab File: VN080263.D
Acq: 24 Nov 2023 15:06

Tgt Ion: 64 Resp: 200
Ion Ratio Lower Upper
64 100
66 0.0 23.3 34.9#





#15

Acetone

Concen: 1.281 ug/l

RT: 4.441 min Scan# 41

Delta R.T. 0.005 min

Lab File: VN080263.D

Acq: 24 Nov 2023 15:06

Instrument :

MSVOA_N

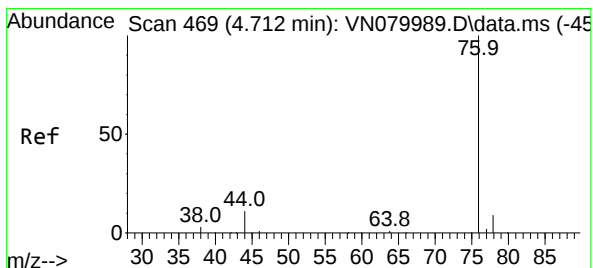
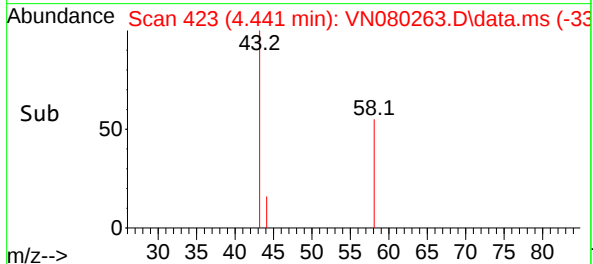
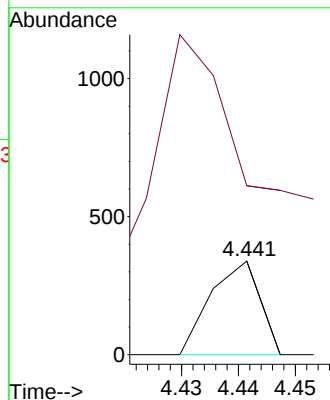
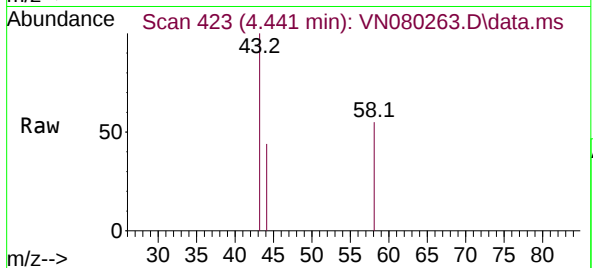
ClientSampleId :

Tgt Ion: 58 Resp: 204

Ion Ratio Lower Upper

58 100

43 5.0 225.2 337.8#



#16

Carbon Disulfide

Concen: 0.262 ug/l

RT: 4.712 min Scan# 469

Delta R.T. -0.006 min

Lab File: VN080263.D

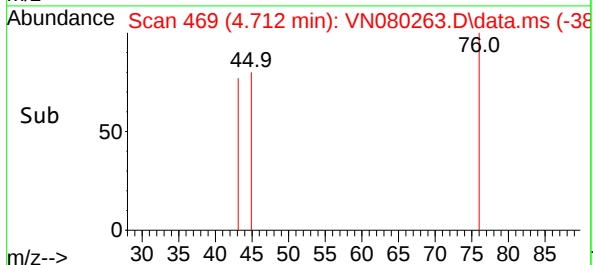
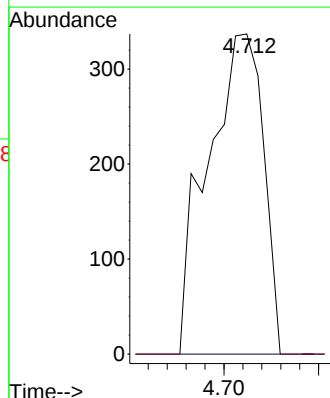
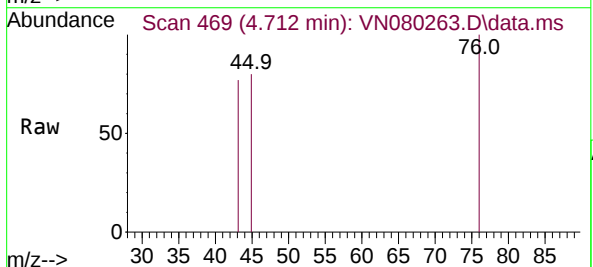
Acq: 24 Nov 2023 15:06

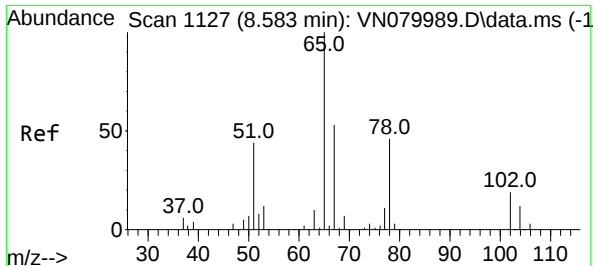
Tgt Ion: 76 Resp: 686

Ion Ratio Lower Upper

76 100

78 0.0 7.5 11.3#

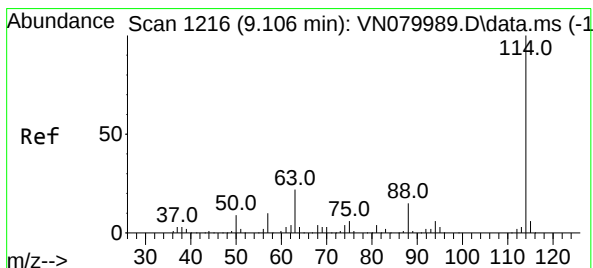
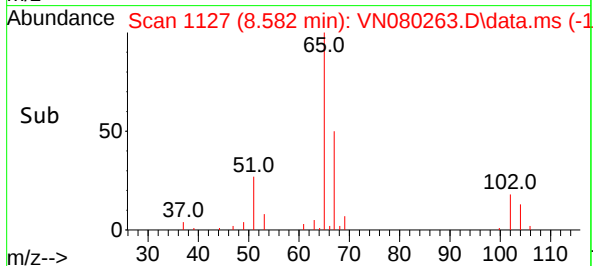
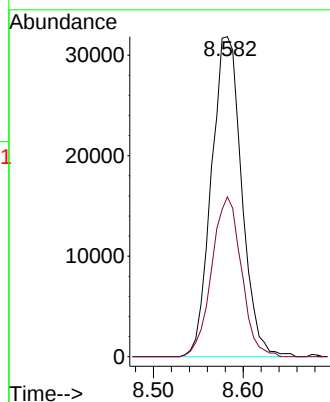
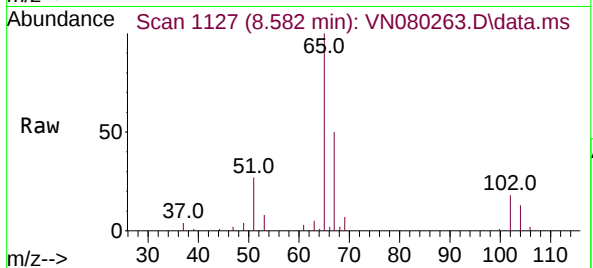




#27
1,2-Dichloroethane-d4
Concen: 59.611 ug/l
RT: 8.582 min Scan# 1127
Delta R.T. 0.000 min
Lab File: VN080263.D
Acq: 24 Nov 2023 15:06

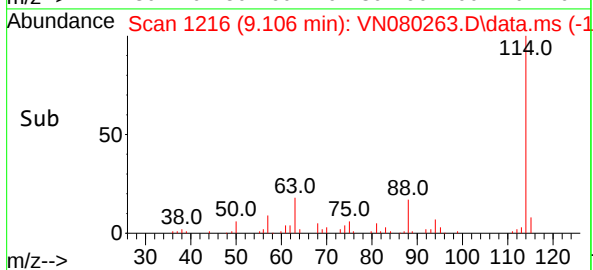
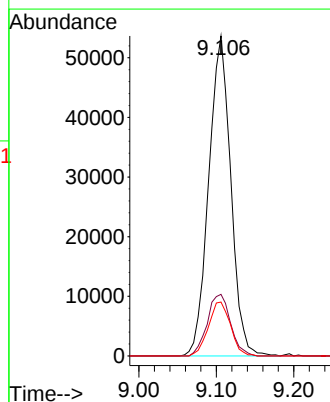
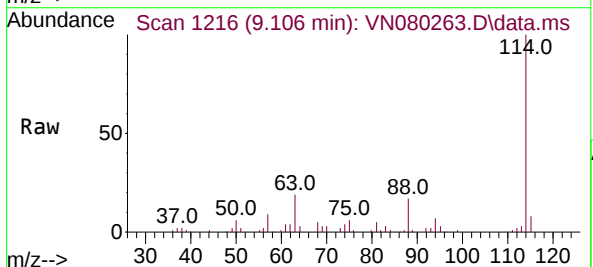
Instrument :
MSVOA_N
ClientSampleId :

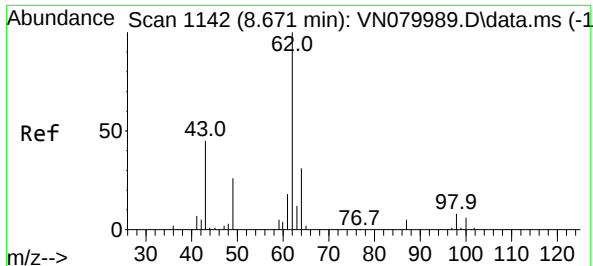
Tgt Ion: 65 Resp: 74413
Ion Ratio Lower Upper
65 100
67 49.0 42.1 63.1



#28
1,4-Difluorobenzene
Concen: 30.000 ug/l
RT: 9.106 min Scan# 1216
Delta R.T. -0.000 min
Lab File: VN080263.D
Acq: 24 Nov 2023 15:06

Tgt Ion: 114 Resp: 106455
Ion Ratio Lower Upper
114 100
63 20.3 18.1 27.1
88 16.9 12.2 18.2





#36

1,2-Dichloroethane

Concen: 1.985 ug/l

RT: 9.100 min Scan# 11

Delta R.T. 0.429 min

Lab File: VN080263.D

Acq: 24 Nov 2023 15:06

Instrument :

MSVOA_N

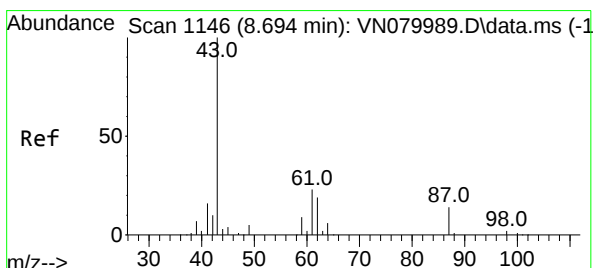
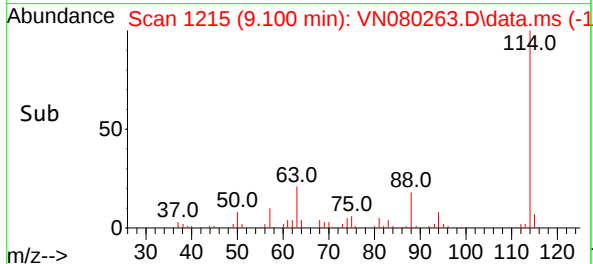
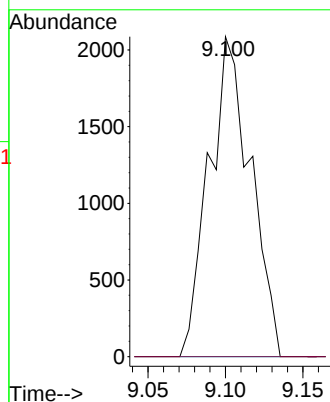
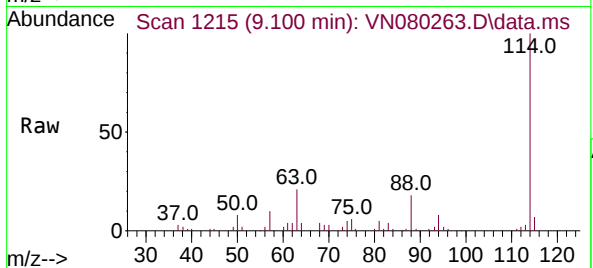
ClientSampleId :

Tgt Ion: 62 Resp: 3899

Ion Ratio Lower Upper

62 100

98 0.0 7.2 10.8#



#44

Isopropyl Acetate

Concen: 0.215 ug/l

RT: 8.735 min Scan# 1153

Delta R.T. 0.041 min

Lab File: VN080263.D

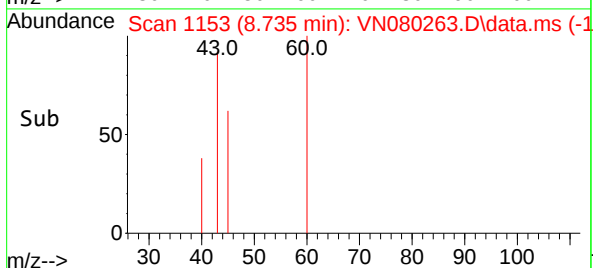
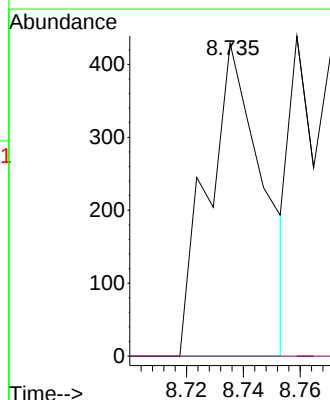
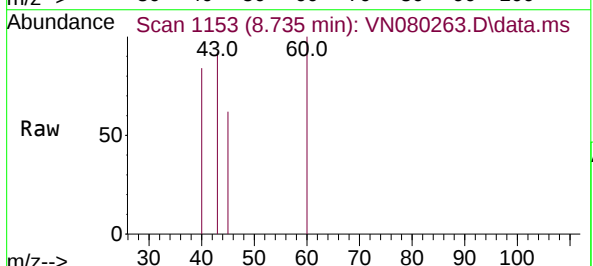
Acq: 24 Nov 2023 15:06

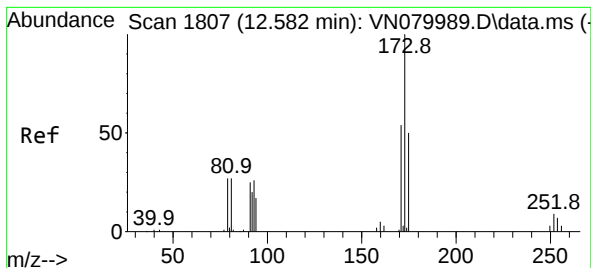
Tgt Ion: 43 Resp: 575

Ion Ratio Lower Upper

43 100

61 252.9 20.3 30.5#





#56

Bromoform

Concen: 0.607 ug/l

RT: 12.859 min Scan# 1854

Delta R.T. 0.277 min

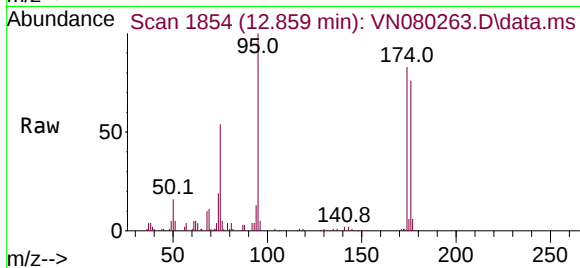
Lab File: VN080263.D

Acq: 24 Nov 2023 15:06

Instrument :

MSVOA_N

ClientSampleId :



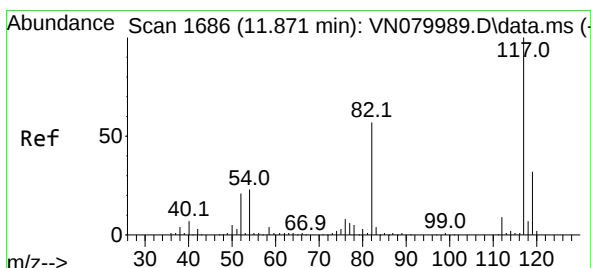
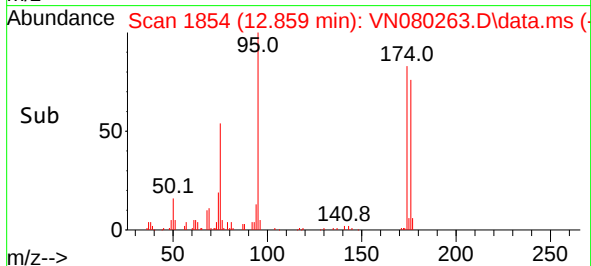
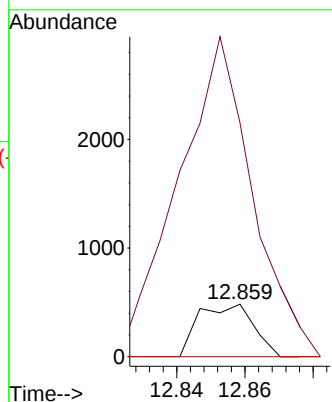
Tgt Ion:173 Resp: 539

Ion Ratio Lower Upper

173 100

175 825.4 37.9 56.9#

254 0.0 7.3 10.9#



#57

Chlorobenzene-d5

Concen: 30.000 ug/l

RT: 11.870 min Scan# 1686

Delta R.T. 0.000 min

Lab File: VN080263.D

Acq: 24 Nov 2023 15:06

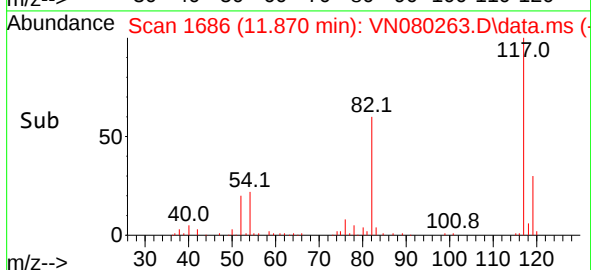
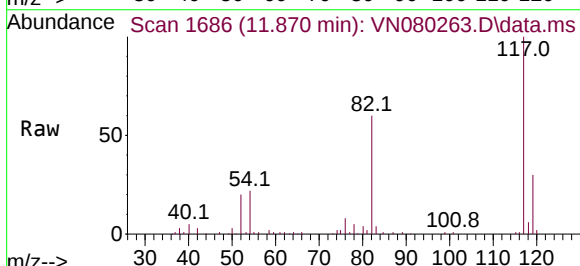
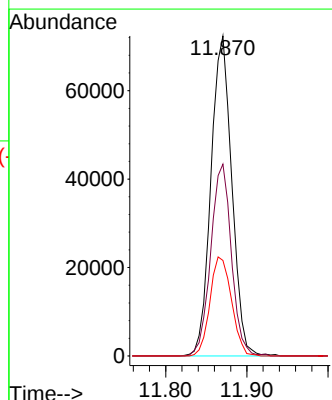
Tgt Ion:117 Resp: 129178

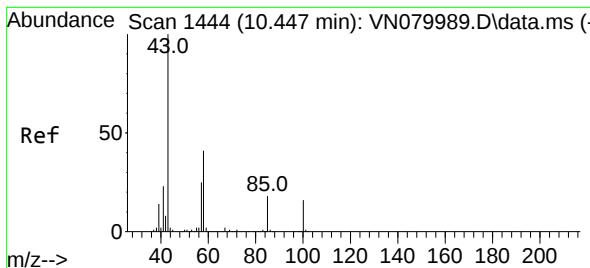
Ion Ratio Lower Upper

117 100

82 59.3 46.2 69.2

119 31.9 25.2 37.8

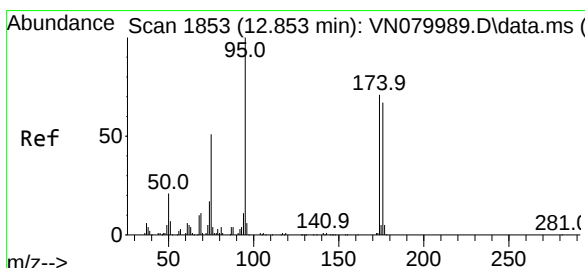
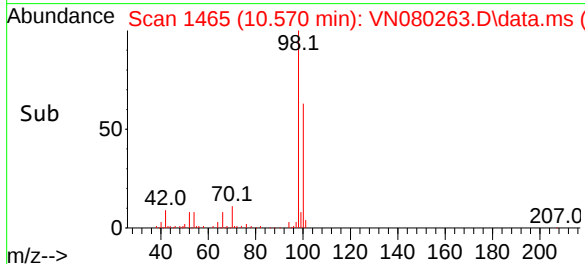
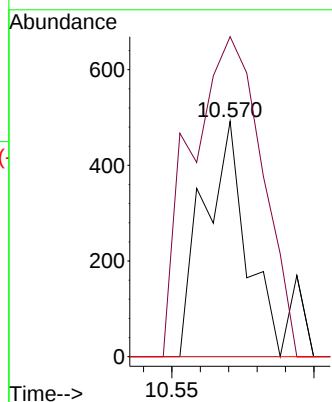
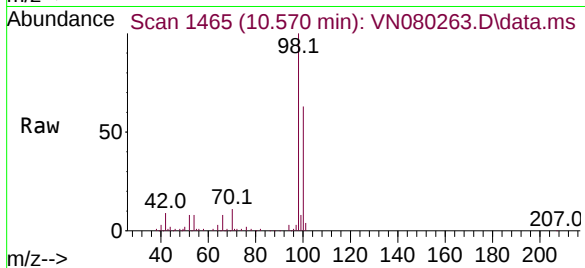




#58
4-Methyl-2-Pentanone
Concen: 0.240 ug/l
RT: 10.570 min Scan# 1444
Delta R.T. 0.123 min
Lab File: VN080263.D
Acq: 24 Nov 2023 15:06

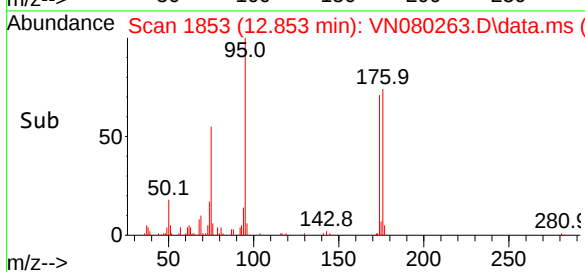
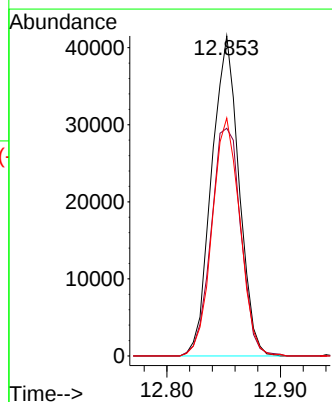
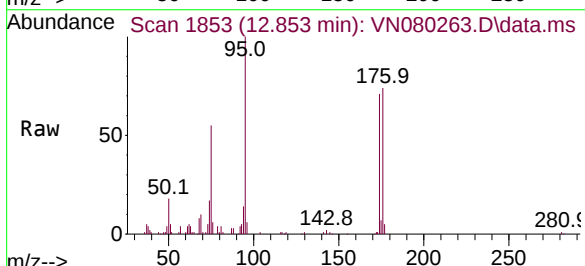
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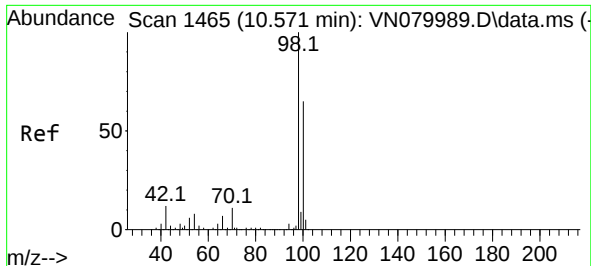
Tgt Ion: 43 Resp: 517
Ion Ratio Lower Upper
43 100
58 226.1 30.4 45.6#
85 0.0 13.2 19.8#



#60
4-Bromofluorobenzene
Concen: 33.649 ug/l
RT: 12.853 min Scan# 1853
Delta R.T. -0.000 min
Lab File: VN080263.D
Acq: 24 Nov 2023 15:06

Tgt Ion: 95 Resp: 69511
Ion Ratio Lower Upper
95 100
174 77.6 60.5 90.7
176 75.6 57.2 85.8

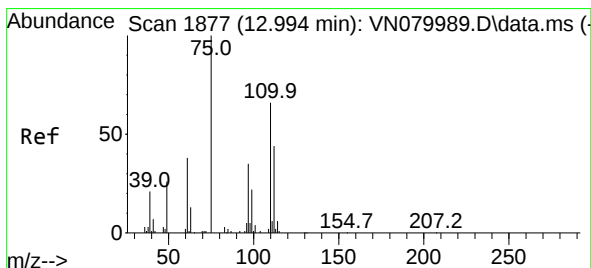
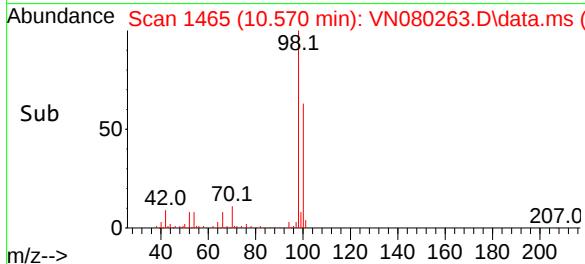
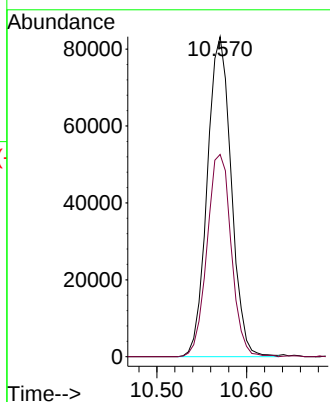
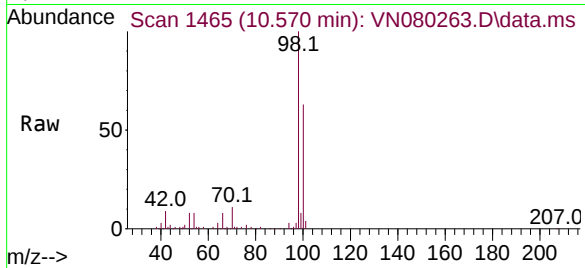




#63
Toluene-d8
Concen: 25.253 ug/l
RT: 10.570 min Scan# 1465
Delta R.T. 0.000 min
Lab File: VN080263.D
Acq: 24 Nov 2023 15:06

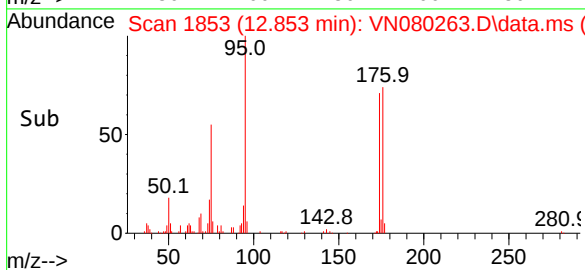
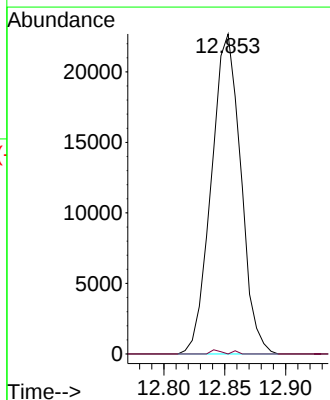
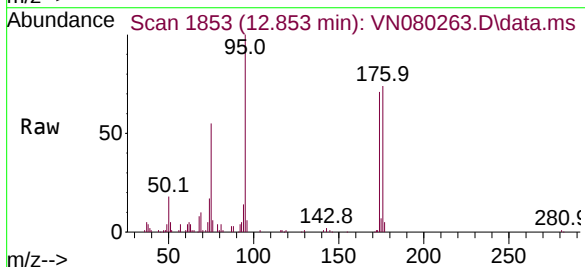
Instrument :
MSVOA_N
ClientSampleId :

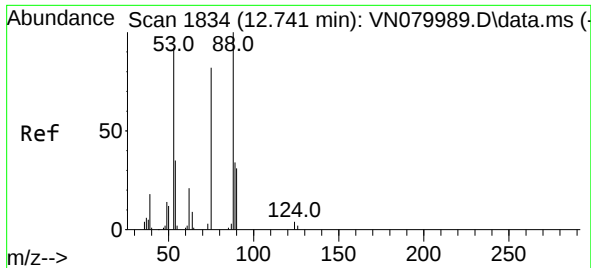
Tgt Ion: 98 Resp: 154568
Ion Ratio Lower Upper
98 100
100 63.7 51.6 77.4



#72
1,2,3-Trichloropropane
Concen: 17.269 ug/l
RT: 12.853 min Scan# 1853
Delta R.T. -0.141 min
Lab File: VN080263.D
Acq: 24 Nov 2023 15:06

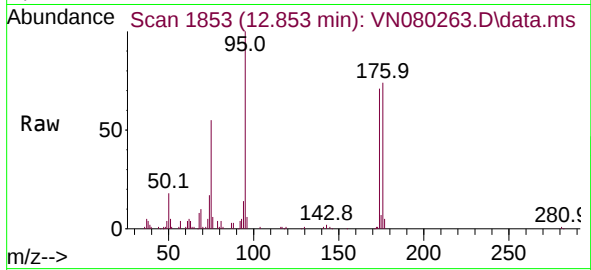
Tgt Ion: 75 Resp: 38191
Ion Ratio Lower Upper
75 100
77 0.2 0.0 338.2





#77
 t-1,4-Dichloro-2-butene
 Concen: 52.738 ug/l
 RT: 12.853 min Scan# 11
 Delta R.T. 0.112 min
 Lab File: VN080263.D
 Acq: 24 Nov 2023 15:06

Instrument :
 MSVOA_N
 ClientSampleId :



Tgt Ion: 75 Resp: 38191
 Ion Ratio Lower Upper
 75 100
 53 0.0 53.0 159.1#
 89 0.0 22.6 67.7#

