

Data Path : Z:\voasrv\HPCHEM1\MSVOA_N\Data\VN090823\
 Data File : VN079202.D
 Acq On : 08 Sep 2023 17:06
 Operator : JC\MD
 Sample : 04299-10RE
 Misc : 5.0mL/MSVOA_N/WATER
 ALS Vial : 15 Sample Multiplier: 1

Instrument :
 MSVOA_N
 ClientSampleId :

Quant Time: Sep 08 23:17:47 2023
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_N\methods\624N090723W.M
 Quant Title : METHOD 624 VOLATILE ORGANIC ANALYSIS
 QLast Update : Fri Sep 08 05:09:17 2023
 Response via : Initial Calibration

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

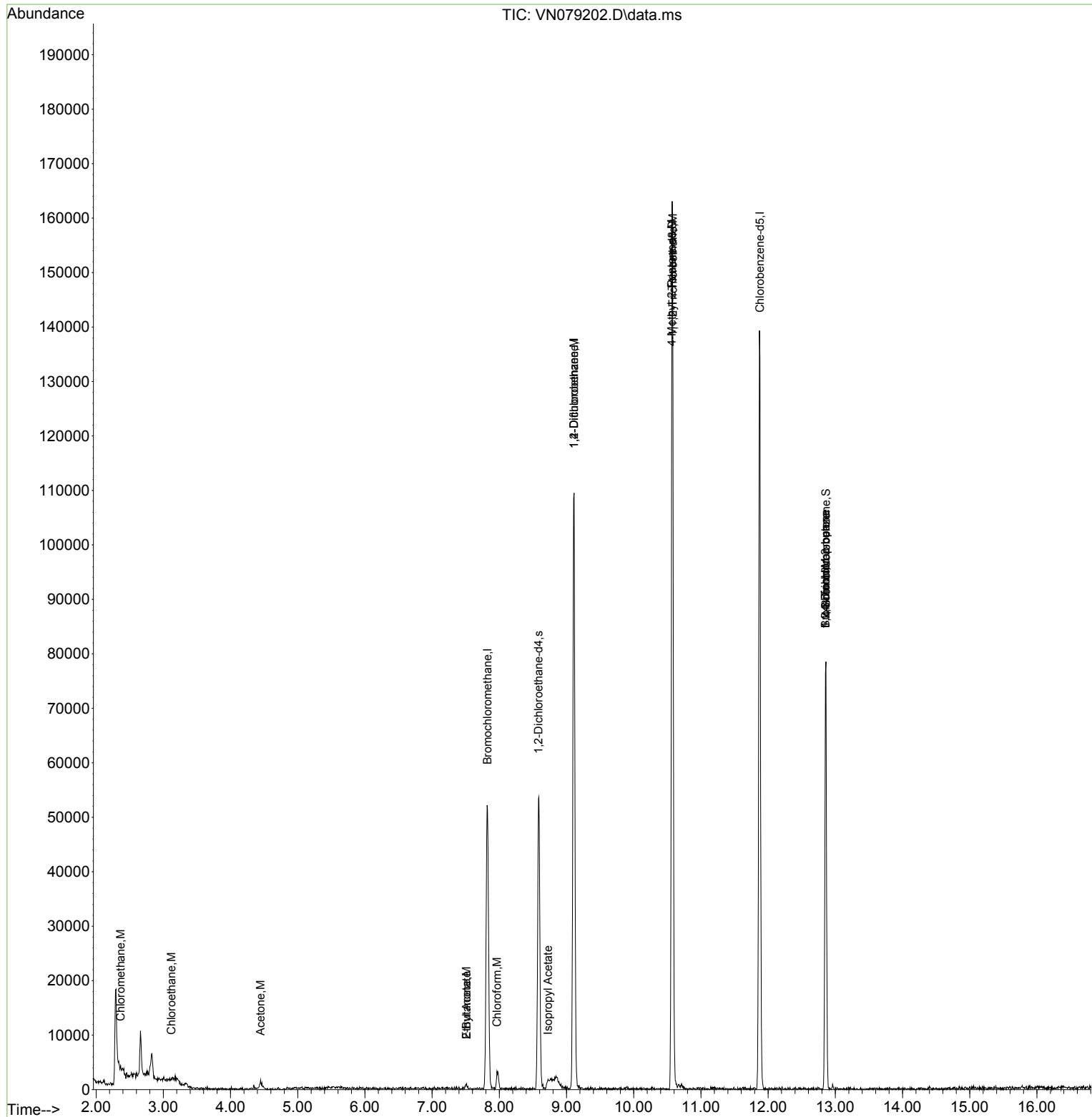
Internal Standards						
1) Bromochloromethane	7.824	128	19637	30.000	ug/l	0.00
28) 1,4-Difluorobenzene	9.112	114	97842	30.000	ug/l	0.00
57) Chlorobenzene-d5	11.876	117	84927	30.000	ug/l	0.00
System Monitoring Compounds						
27) 1,2-Dichloroethane-d4	8.583	65	45919	31.124	ug/l	0.00
Spiked Amount	30.000	Range	91 - 110	Recovery	=	103.733%
60) 4-Bromofluorobenzene	12.859	95	26282	21.003	ug/l	0.00
Spiked Amount	30.000	Range	63 - 112	Recovery	=	70.000%
63) Toluene-d8	10.571	98	117694	29.654	ug/l	0.00
Spiked Amount	30.000	Range	91 - 112	Recovery	=	98.833%
Target Compounds						
					Qvalue	
3) Chloromethane	2.365	50	487	0.443	ug/l #	77
6) Chloroethane	3.118	64	890	1.338	ug/l #	50
15) Acetone	4.448	58	293	2.378	ug/l #	1
25) Chloroform	7.965	83	2220	0.948	ug/l	90
30) 2-Butanone	7.512	43	1189	1.507	ug/l #	73
36) 1,2-Dichloroethane	9.112	62	3196	1.944	ug/l #	73
43) Ethyl Acetate	7.512	43	1189	0.793	ug/l #	66
44) Isopropyl Acetate	8.724	43	782	0.290	ug/l #	1
50) 1,1,2-Trichloroethane	10.582	97	3846	3.234	ug/l #	1
56) Bromoform	12.853	173	225	0.259	ug/l #	1
58) 4-Methyl-2-Pentanone	10.565	43	334	0.214	ug/l #	41
72) 1,2,3-Trichloropropane	12.853	75	14492	10.026	ug/l #	1
77) t-1,4-Dichloro-2-butene	12.853	75	14492	28.476	ug/l #	14

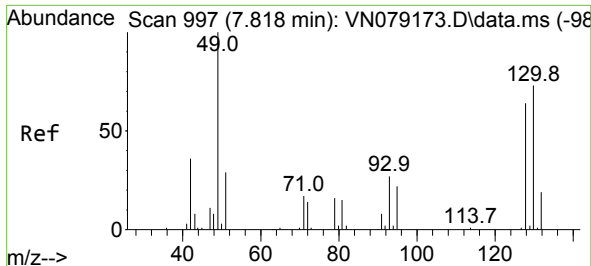
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Data Path : Z:\voasrv\HPCHEM1\MSVOA_N\Data\VN090823\
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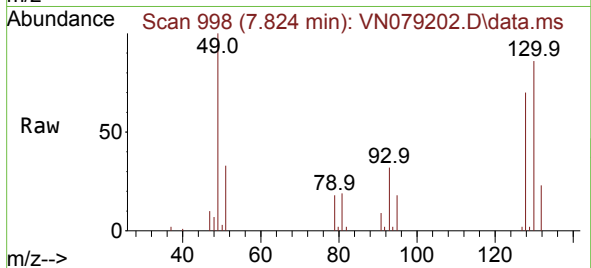
Quant Time: Sep 08 23:17:47 2023
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_N\methods\624N090723W.M
Quant Title : METHOD 624 VOLATILE ORGANIC ANALYSIS
QLast Update : Fri Sep 08 05:09:17 2023
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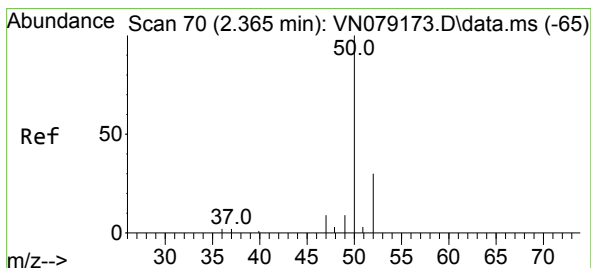
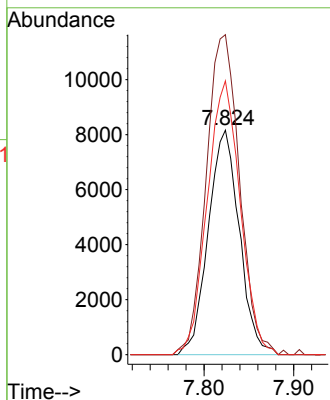
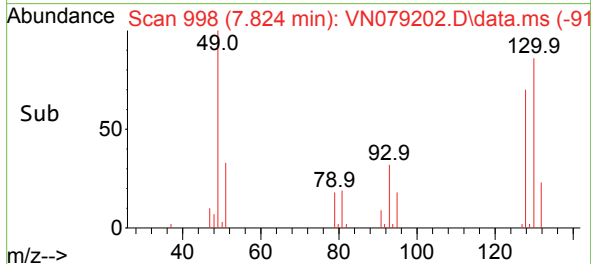


#1
Bromochloromethane
Concen: 30.000 ug/l
RT: 7.824 min Scan# 998
Delta R.T. 0.006 min
Lab File: VN079202.D
Acq: 08 Sep 2023 17:06

Instrument :
MSVOA_N
ClientSampleId :

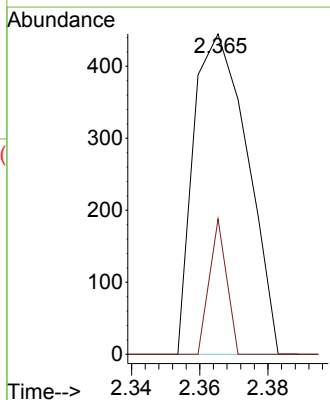
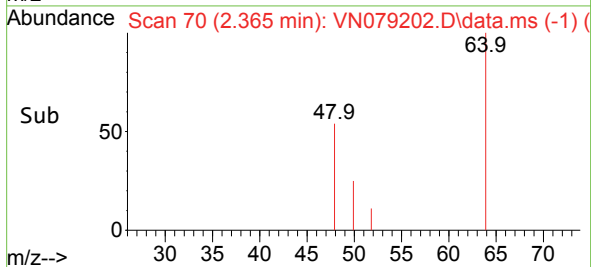
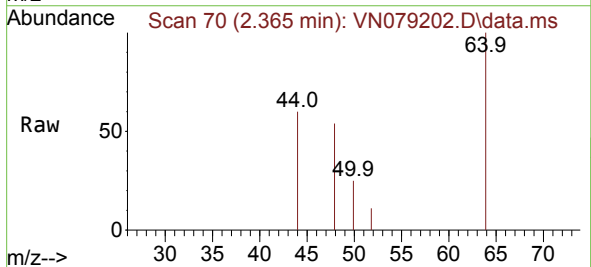


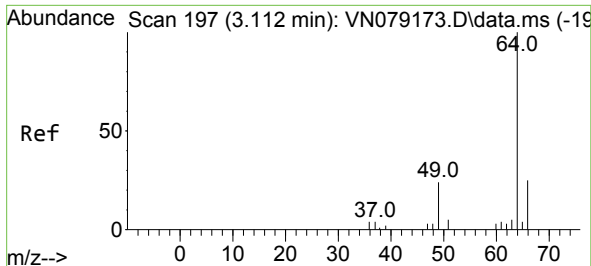
Tgt Ion:128 Resp: 19637
Ion Ratio Lower Upper
128 100
49 152.9 0.0 414.3
130 129.7 0.0 311.0



#3
Chloromethane
Concen: 0.443 ug/l
RT: 2.365 min Scan# 70
Delta R.T. 0.000 min
Lab File: VN079202.D
Acq: 08 Sep 2023 17:06

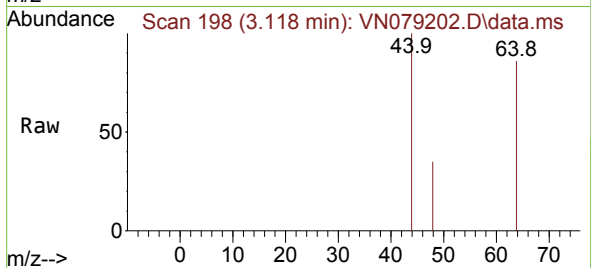
Tgt Ion: 50 Resp: 487
Ion Ratio Lower Upper
50 100
52 42.2 24.0 36.0#



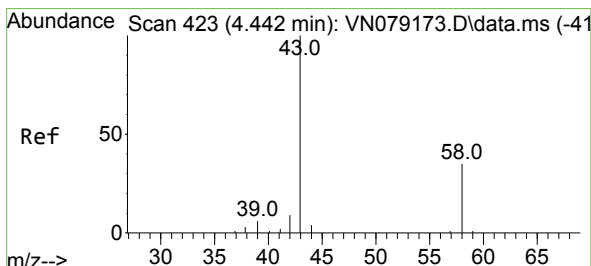
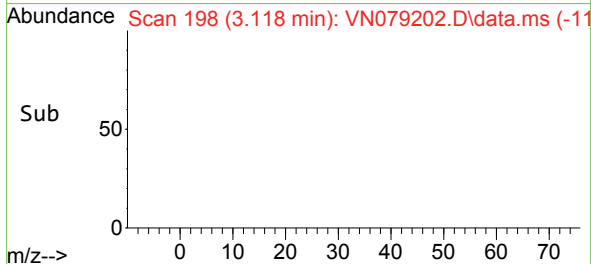
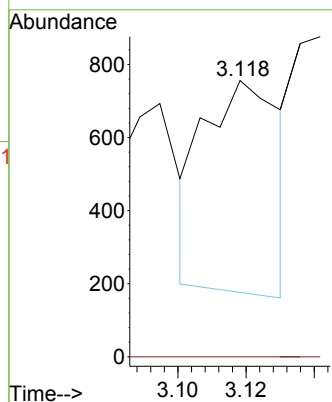


#6
Chloroethane
Concen: 1.338 ug/l
RT: 3.118 min Scan# 197
Delta R.T. 0.006 min
Lab File: VN079202.D
Acq: 08 Sep 2023 17:06

Instrument :
MSVOA_N
ClientSampleId :

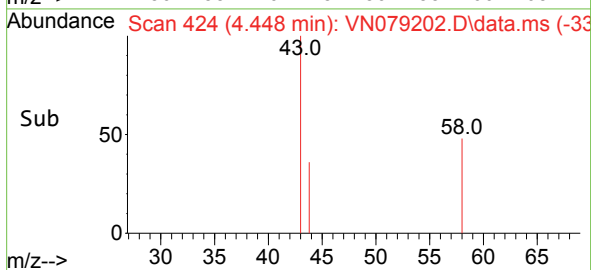
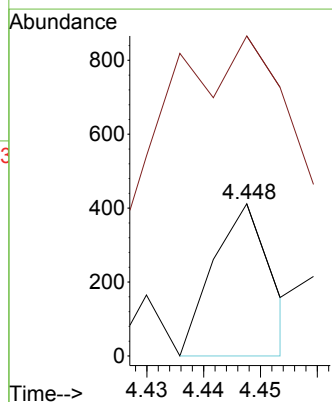
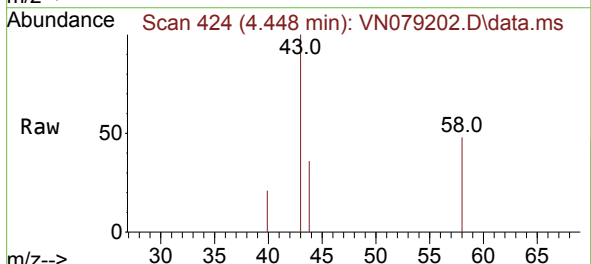


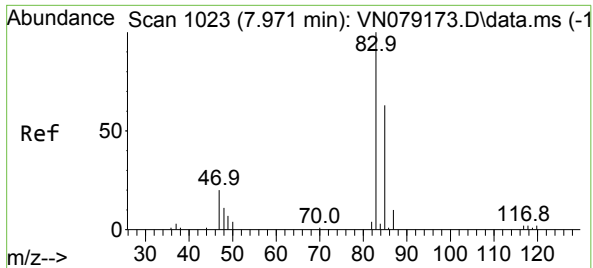
Tgt Ion: 64 Resp: 890
Ion Ratio Lower Upper
64 100
66 0.0 20.1 30.1#



#15
Acetone
Concen: 2.378 ug/l
RT: 4.448 min Scan# 424
Delta R.T. 0.006 min
Lab File: VN079202.D
Acq: 08 Sep 2023 17:06

Tgt Ion: 58 Resp: 293
Ion Ratio Lower Upper
58 100
43 33.7 228.3 342.5#





#25

Chloroform

Concen: 0.948 ug/l

RT: 7.965 min Scan# 1022

Delta R.T. -0.006 min

Lab File: VN079202.D

Acq: 08 Sep 2023 17:06

Instrument :

MSVOA_N

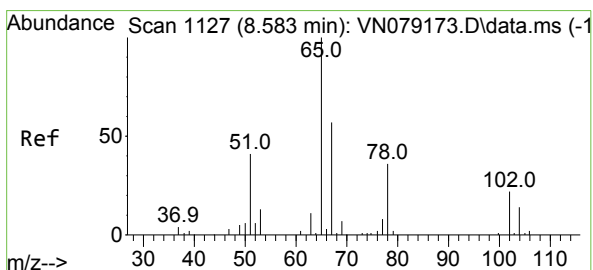
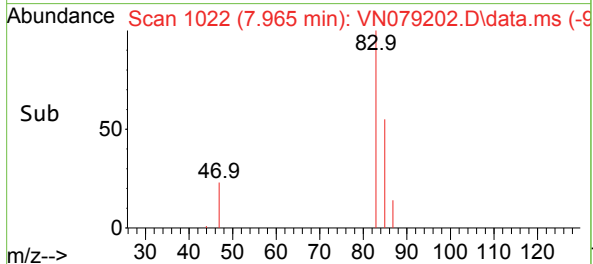
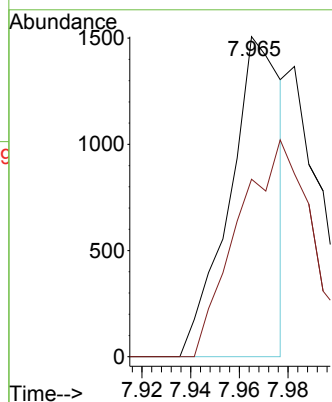
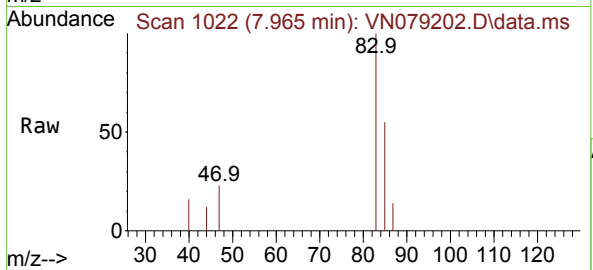
ClientSampleId :

Tgt Ion: 83 Resp: 2220

Ion Ratio Lower Upper

83 100

85 55.5 50.6 76.0



#27

1,2-Dichloroethane-d4

Concen: 31.124 ug/l

RT: 8.583 min Scan# 1127

Delta R.T. -0.000 min

Lab File: VN079202.D

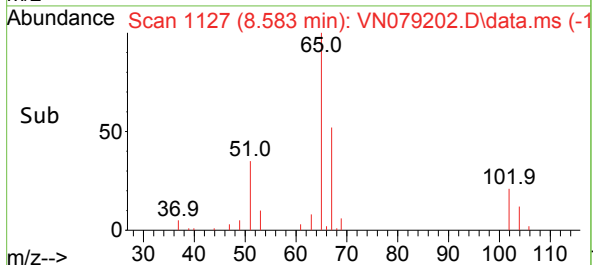
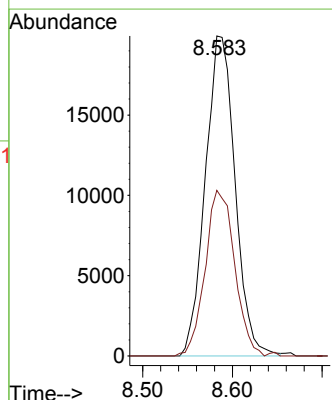
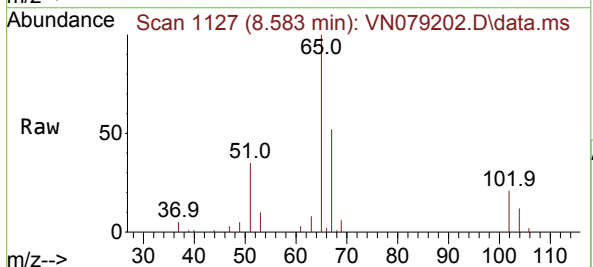
Acq: 08 Sep 2023 17:06

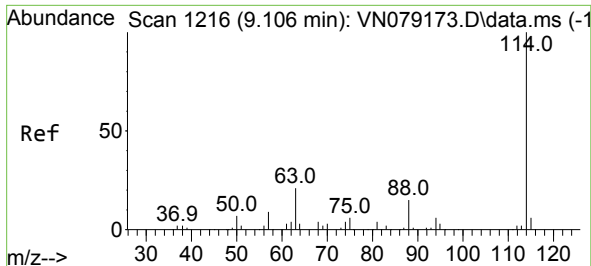
Tgt Ion: 65 Resp: 45919

Ion Ratio Lower Upper

65 100

67 51.2 44.4 66.6

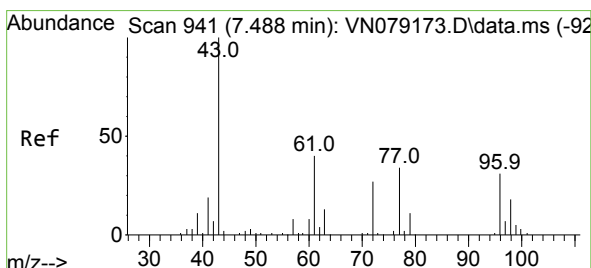
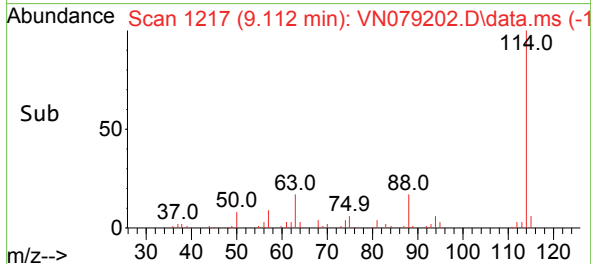
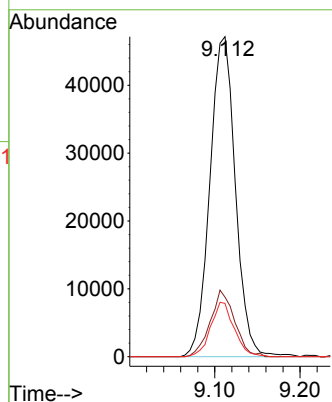
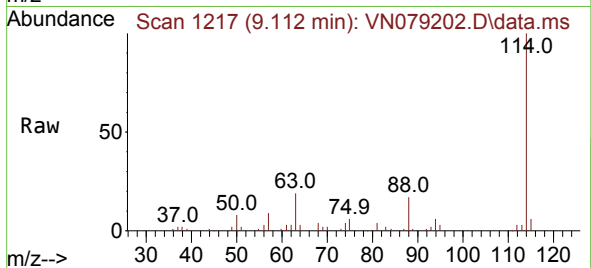




#28
1,4-Difluorobenzene
Concen: 30.000 ug/l
RT: 9.112 min Scan# 114
Delta R.T. 0.006 min
Lab File: VN079202.D
Acq: 08 Sep 2023 17:06

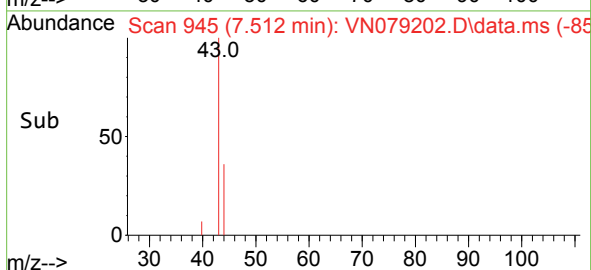
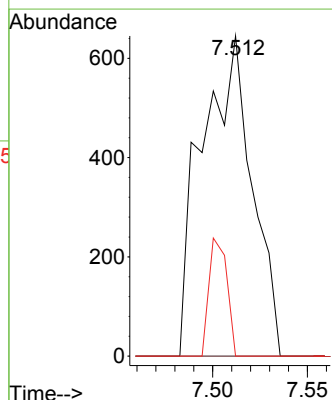
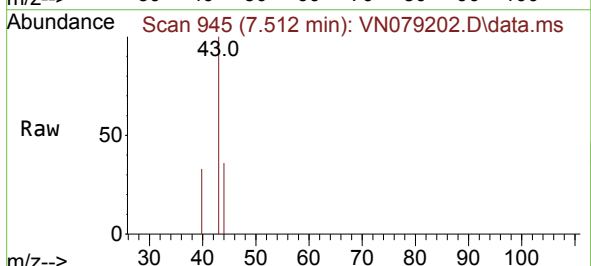
Instrument :
MSVOA_N
ClientSampleId :

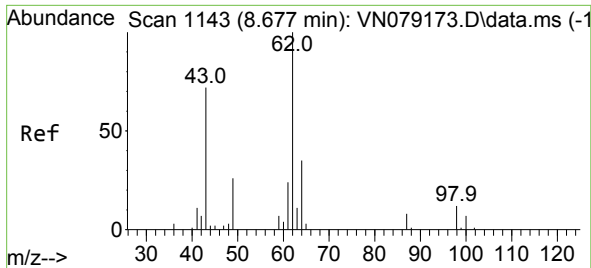
Tgt Ion:114 Resp: 97842
Ion Ratio Lower Upper
114 100
63 19.7 17.0 25.4
88 15.7 12.8 19.2



#30
2-Butanone
Concen: 1.507 ug/l
RT: 7.512 min Scan# 945
Delta R.T. 0.024 min
Lab File: VN079202.D
Acq: 08 Sep 2023 17:06

Tgt Ion: 43 Resp: 1189
Ion Ratio Lower Upper
43 100
57 0.0 6.8 10.2#
72 13.1 22.4 33.6#

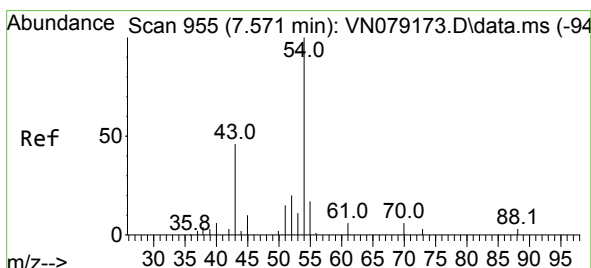
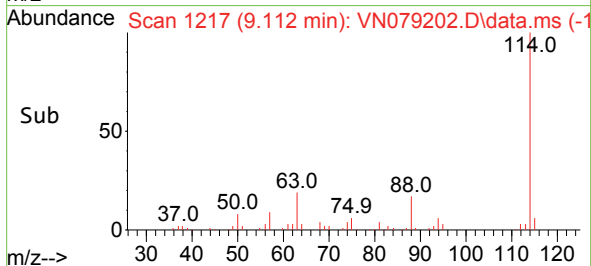
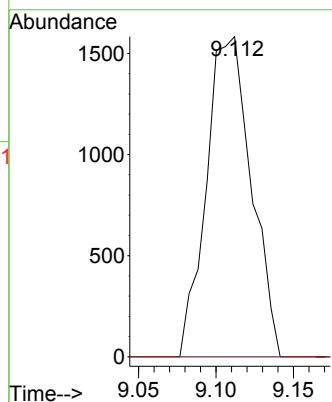
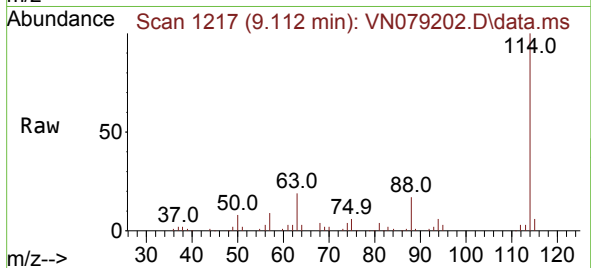




#36
1,2-Dichloroethane
Concen: 1.944 ug/l
RT: 9.112 min Scan# 1143
Delta R.T. 0.435 min
Lab File: VN079202.D
Acq: 08 Sep 2023 17:06

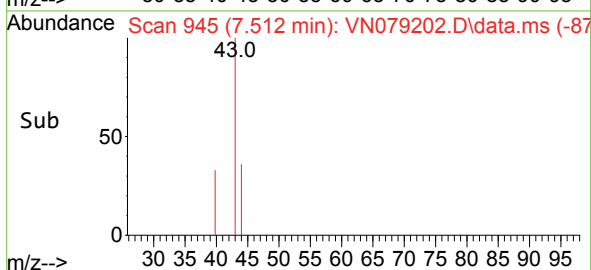
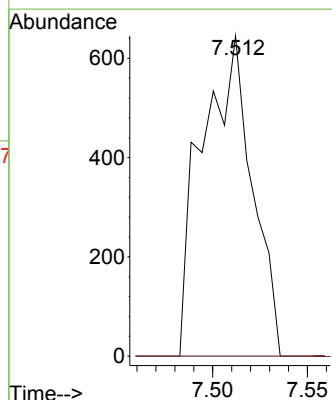
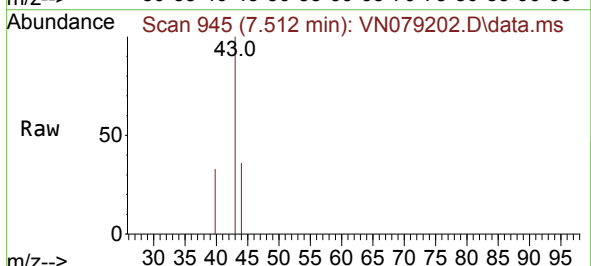
Instrument :
MSVOA_N
ClientSampleId :

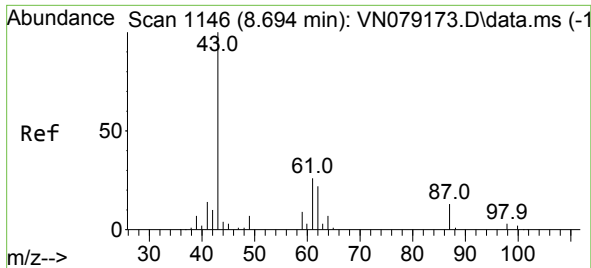
Tgt Ion: 62 Resp: 3196
Ion Ratio Lower Upper
62 100
98 0.0 8.2 12.2#



#43
Ethyl Acetate
Concen: 0.793 ug/l
RT: 7.512 min Scan# 945
Delta R.T. -0.059 min
Lab File: VN079202.D
Acq: 08 Sep 2023 17:06

Tgt Ion: 43 Resp: 1189
Ion Ratio Lower Upper
43 100
45 0.0 11.1 16.7#

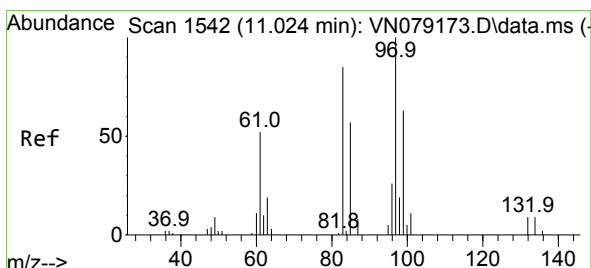
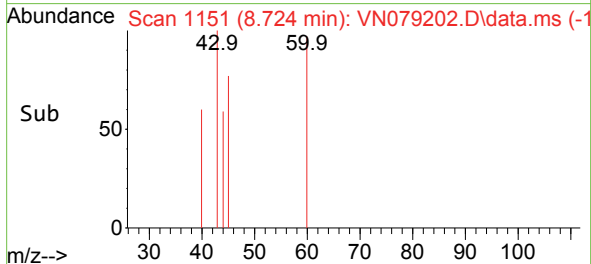
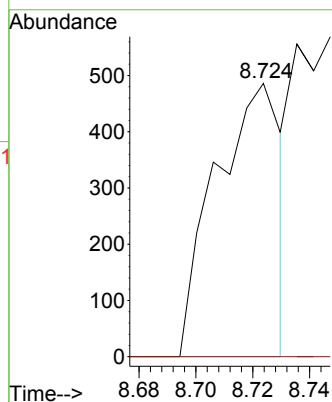
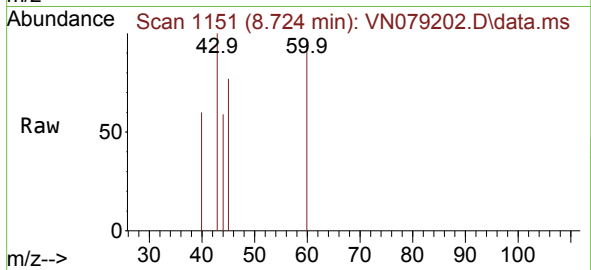




#44
Isopropyl Acetate
Concen: 0.290 ug/l
RT: 8.724 min Scan# 1146
Delta R.T. 0.030 min
Lab File: VN079202.D
Acq: 08 Sep 2023 17:06

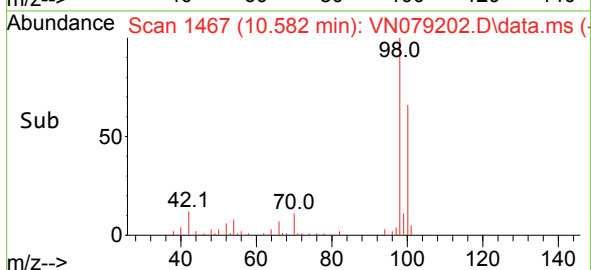
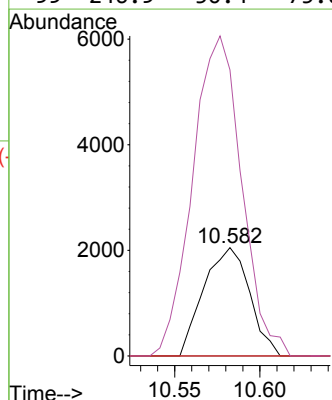
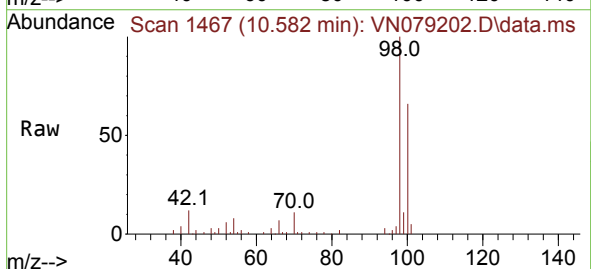
Instrument :
MSVOA_N
ClientSampleId :

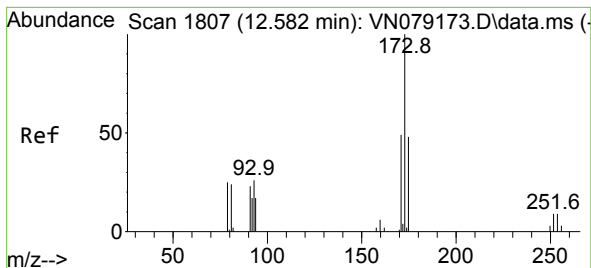
Tgt Ion: 43 Resp: 782
Ion Ratio Lower Upper
43 100
61 116.8 22.6 33.8#



#50
1,1,2-Trichloroethane
Concen: 3.234 ug/l
RT: 10.582 min Scan# 1467
Delta R.T. -0.442 min
Lab File: VN079202.D
Acq: 08 Sep 2023 17:06

Tgt Ion: 97 Resp: 3846
Ion Ratio Lower Upper
97 100
83 0.0 68.9 103.3#
85 0.0 45.3 67.9#
99 246.9 50.4 75.6#





#56

Bromoform

Concen: 0.259 ug/l

RT: 12.853 min Scan# 1807

Delta R.T. 0.271 min

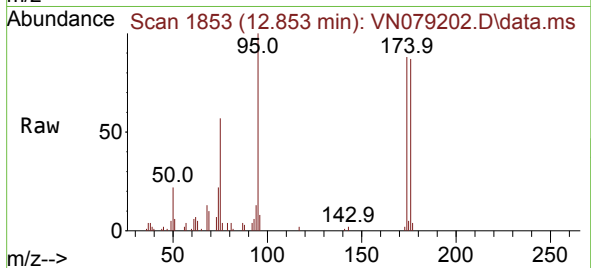
Lab File: VN079202.D

Acq: 08 Sep 2023 17:06

Instrument :

MSVOA_N

ClientSampleId :



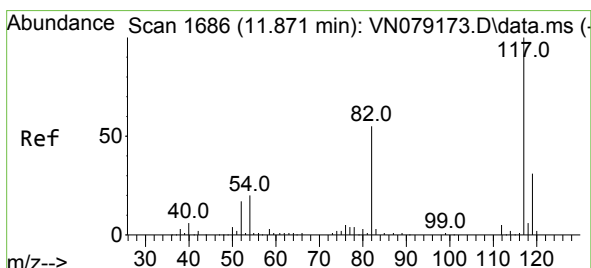
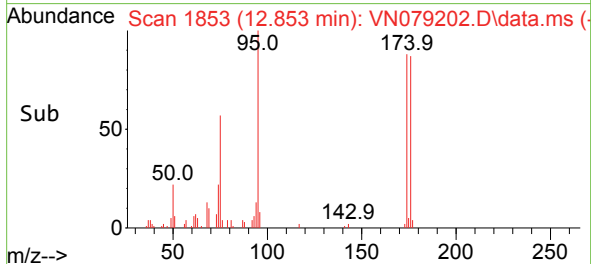
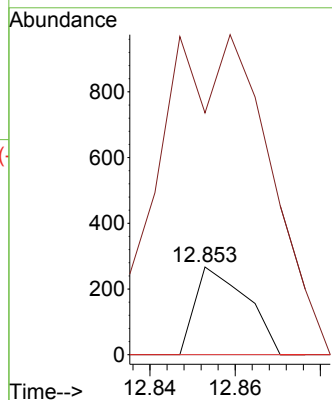
Tgt Ion:173 Resp: 225

Ion Ratio Lower Upper

173 100

175 383.1 37.6 56.4#

254 0.0 7.8 11.8#



#57

Chlorobenzene-d5

Concen: 30.000 ug/l

RT: 11.876 min Scan# 1687

Delta R.T. 0.005 min

Lab File: VN079202.D

Acq: 08 Sep 2023 17:06

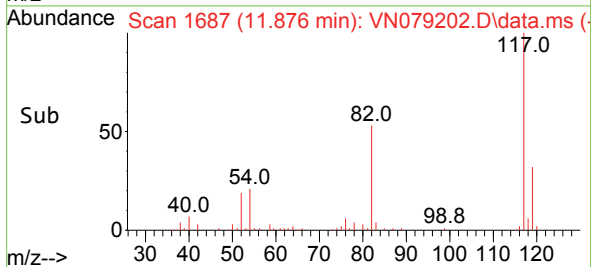
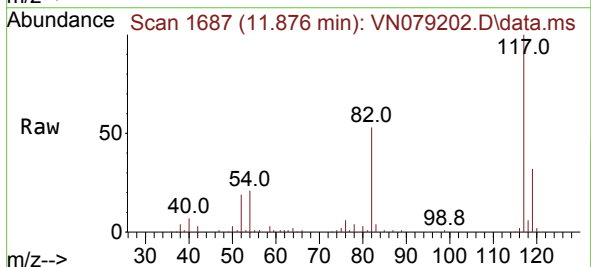
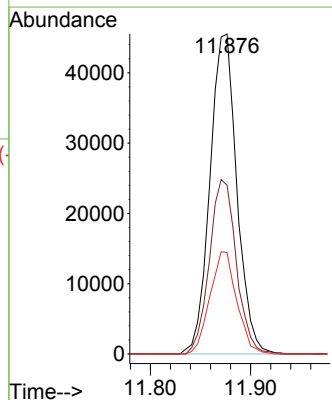
Tgt Ion:117 Resp: 84927

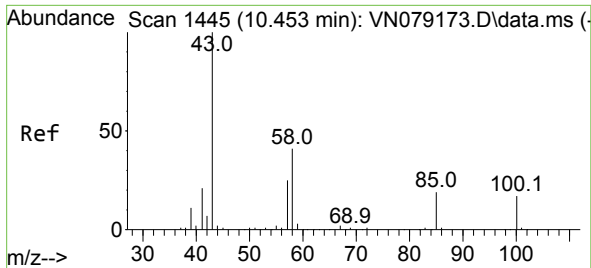
Ion Ratio Lower Upper

117 100

82 54.6 44.7 67.1

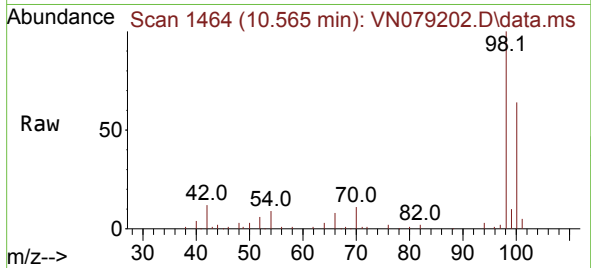
119 31.8 24.9 37.3



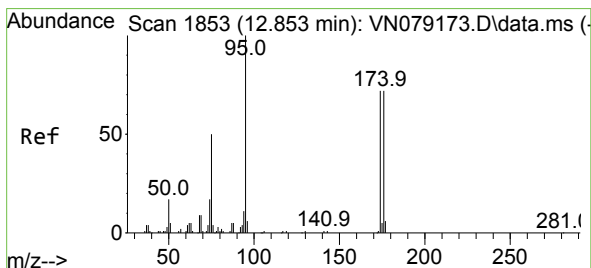
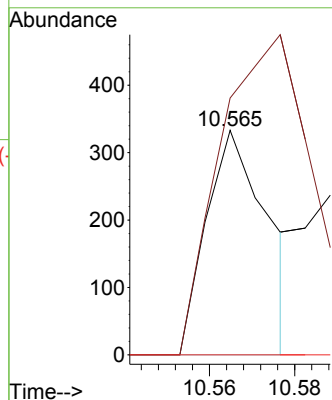
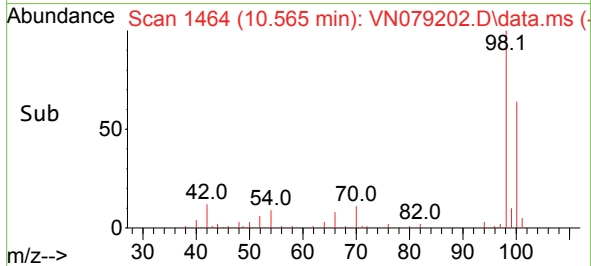


#58
4-Methyl-2-Pentanone
Concen: 0.214 ug/l
RT: 10.565 min Scan# 1445
Delta R.T. 0.112 min
Lab File: VN079202.D
Acq: 08 Sep 2023 17:06

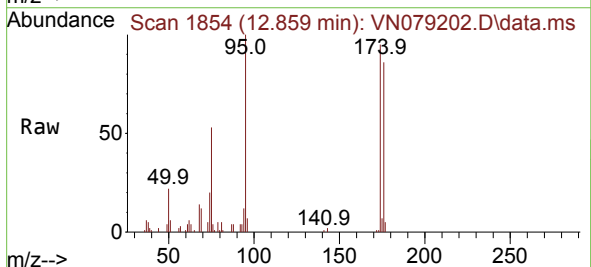
Instrument :
MSVOA_N
ClientSampleId :



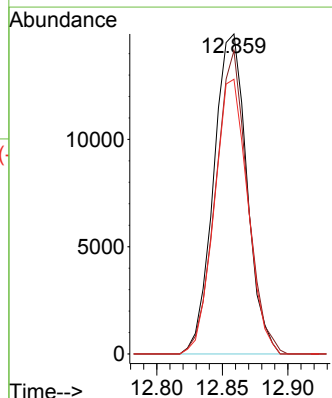
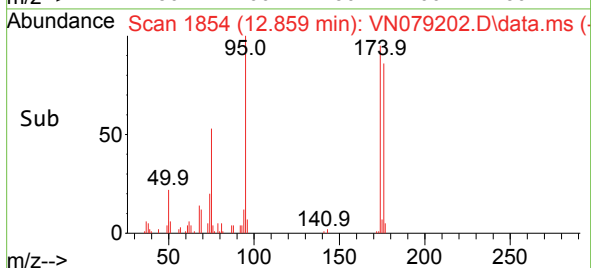
Tgt Ion: 43 Resp: 334
Ion Ratio Lower Upper
43 100
58 0.0 33.6 50.4#
85 0.0 15.0 22.4#

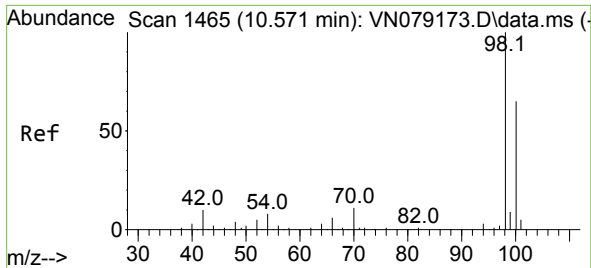


#60
4-Bromofluorobenzene
Concen: 21.003 ug/l
RT: 12.859 min Scan# 1854
Delta R.T. 0.006 min
Lab File: VN079202.D
Acq: 08 Sep 2023 17:06



Tgt Ion: 95 Resp: 26282
Ion Ratio Lower Upper
95 100
174 91.2 59.5 89.3#
176 86.1 59.1 88.7

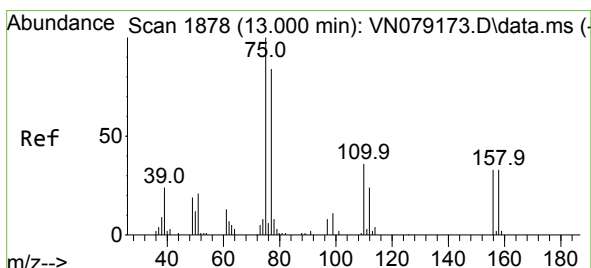
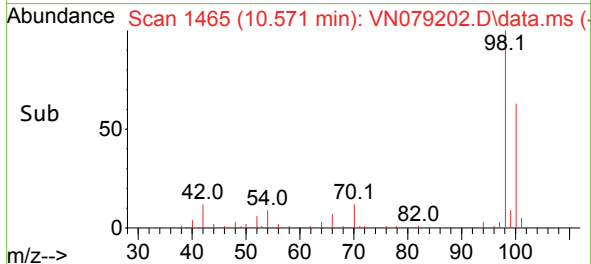
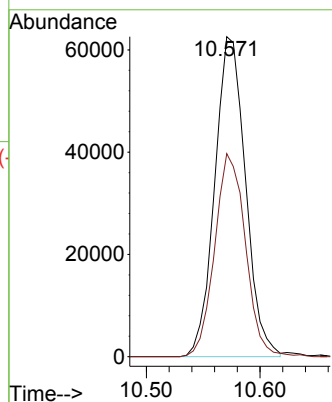
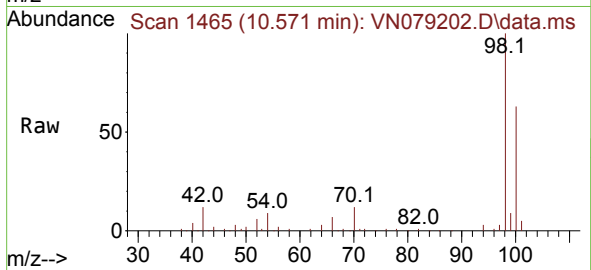




#63
Toluene-d8
Concen: 29.654 ug/l
RT: 10.571 min Scan# 1465
Delta R.T. -0.000 min
Lab File: VN079202.D
Acq: 08 Sep 2023 17:06

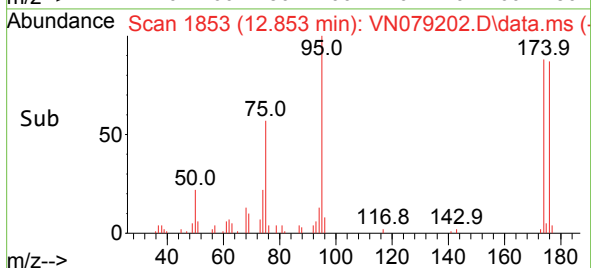
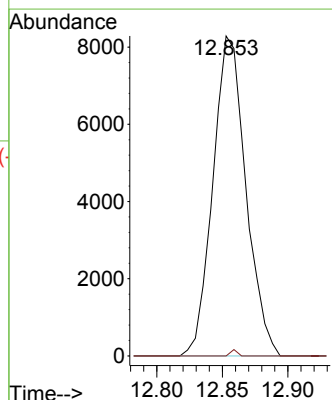
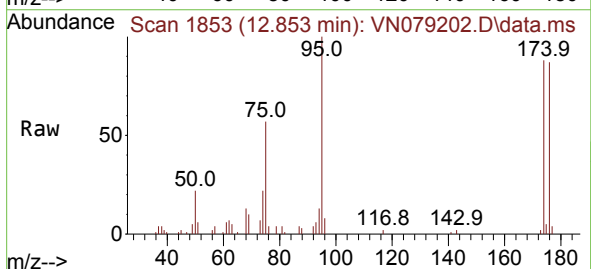
Instrument :
MSVOA_N
ClientSampleId :

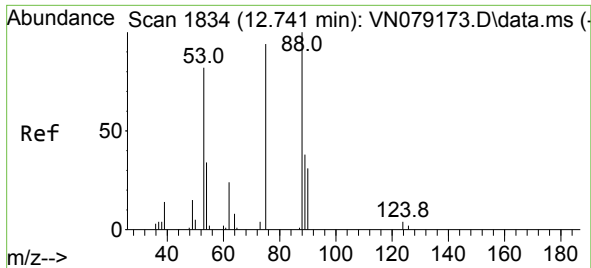
Tgt Ion: 98 Resp: 117694
Ion Ratio Lower Upper
98 100
100 63.3 52.5 78.7



#72
1,2,3-Trichloropropane
Concen: 10.026 ug/l
RT: 12.853 min Scan# 1853
Delta R.T. -0.147 min
Lab File: VN079202.D
Acq: 08 Sep 2023 17:06

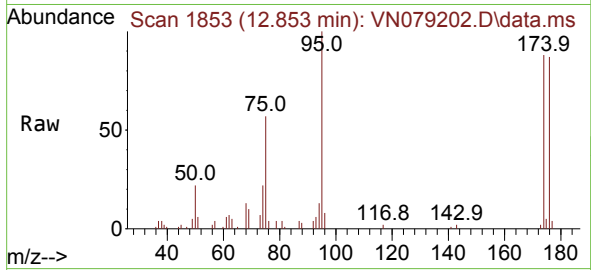
Tgt Ion: 75 Resp: 14492
Ion Ratio Lower Upper
75 100
77 0.0 0.0 252.2





#77
 t-1,4-Dichloro-2-butene
 Concen: 28.476 ug/l
 RT: 12.853 min Scan# 11
 Delta R.T. 0.112 min
 Lab File: VN079202.D
 Acq: 08 Sep 2023 17:06

Instrument :
 MSVOA_N
 ClientSampleId :



Tgt Ion:	75	Resp:	14492
Ion	Ratio	Lower	Upper
75	100		
53	0.0	44.1	132.4#
89	0.0	22.4	67.3#

