

Data Path : Z:\voasrv\HPCHEM1\MSVOA_N\Data\VN082923\
 Data File : VN079089.D
 Acq On : 29 Aug 2023 13:16
 Operator : JC\MD
 Sample : 04092-02DL 100X
 Misc : 5.0mL/MSVOA_N/WATER
 ALS Vial : 10 Sample Multiplier: 1

Instrument :
 MSVOA_N
 ClientSampleId :

Quant Time: Aug 30 00:04:15 2023
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_N\methods\624N081723W.M
 Quant Title : METHOD 624 VOLATILE ORGANIC ANALYSIS
 QLast Update : Fri Aug 18 05:21:14 2023
 Response via : Initial Calibration

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

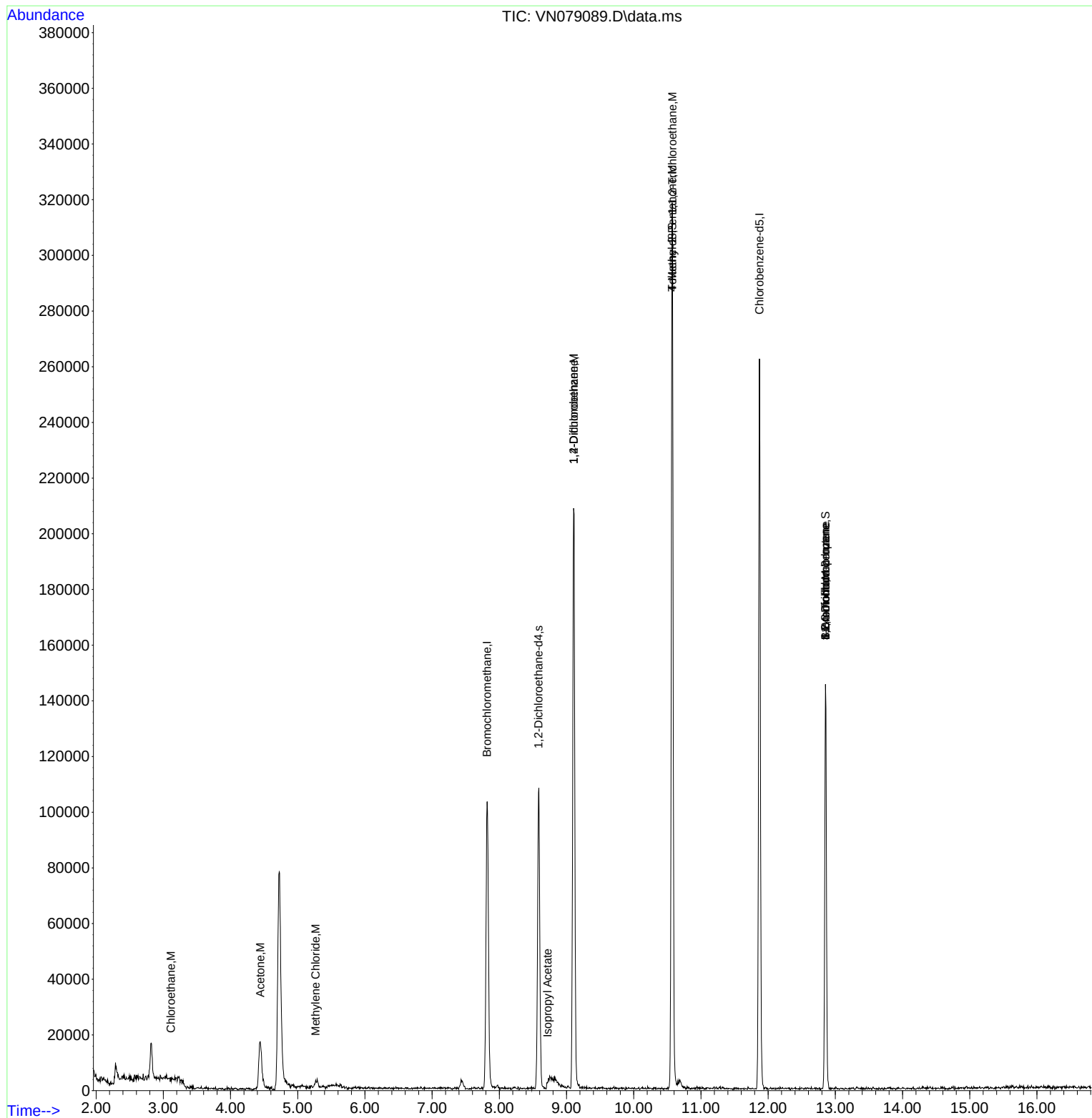
Internal Standards						
1) Bromochloromethane	7.818	128	33723	30.000	ug/l	0.00
28) 1,4-Difluorobenzene	9.106	114	178269	30.000	ug/l	0.00
57) Chlorobenzene-d5	11.871	117	147708	30.000	ug/l	0.00
System Monitoring Compounds						
27) 1,2-Dichloroethane-d4	8.583	65	84402	30.893	ug/l	0.00
Spiked Amount	30.000	Range	91 - 110	Recovery	= 102.967%	
60) 4-Bromofluorobenzene	12.853	95	49430	22.941	ug/l	0.00
Spiked Amount	30.000	Range	63 - 112	Recovery	= 76.467%	
63) Toluene-d8	10.571	98	211766	30.700	ug/l	0.00
Spiked Amount	30.000	Range	91 - 112	Recovery	= 102.333%	
Target Compounds						
					Qvalue	
6) Chloroethane	3.112	64	404	0.246	ug/l #	44
15) Acetone	4.442	58	6875	20.363	ug/l	82
18) Methylene Chloride	5.265	84	945	0.443	ug/l #	58
36) 1,2-Dichloroethane	9.106	62	6924	2.275	ug/l #	73
44) Isopropyl Acetate	8.718	43	1186	0.219	ug/l #	1
50) 1,1,2-Trichloroethane	10.577	97	7849	3.958	ug/l #	1
56) Bromoform	12.853	173	649	0.424	ug/l #	1
58) 4-Methyl-2-Pentanone	10.571	43	1472	0.502	ug/l #	1
72) 1,2,3-Trichloropropane	12.853	75	26273	11.370	ug/l	1
77) t-1,4-Dichloro-2-butene	12.853	75	26273	30.595	ug/l #	3

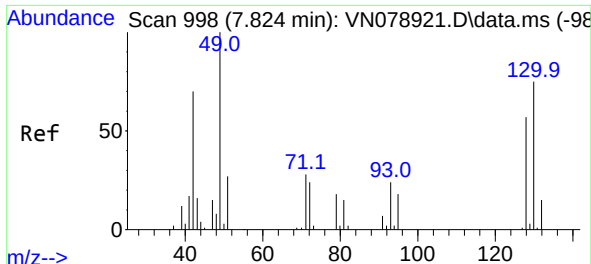
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Data Path : Z:\voasrv\HPCHEM1\MSVOA_N\Data\VN082923\
Data File : VN079089.D
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Misc : 5.0mL/MSVOA_N/WATER
ALS Vial : 10 Sample Multiplier: 1

Instrument :
MSVOA_N
ClientSampleId :

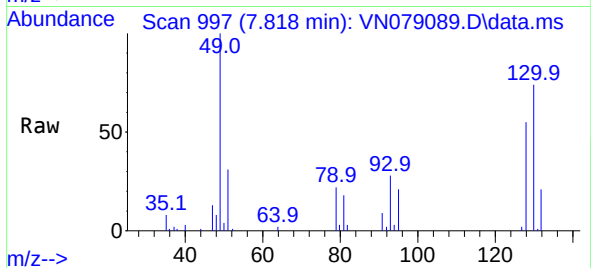
Quant Time: Aug 30 00:04:15 2023
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_N\methods\624N081723W.M
Quant Title : METHOD 624 VOLATILE ORGANIC ANALYSIS
QLast Update : Fri Aug 18 05:21:14 2023
Response via : Initial Calibration



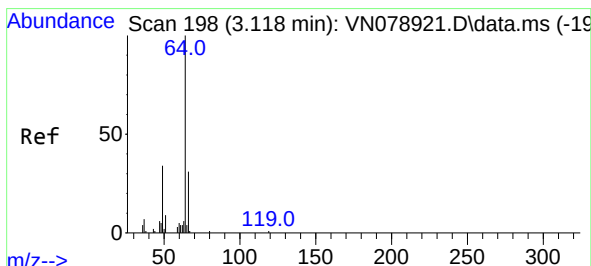
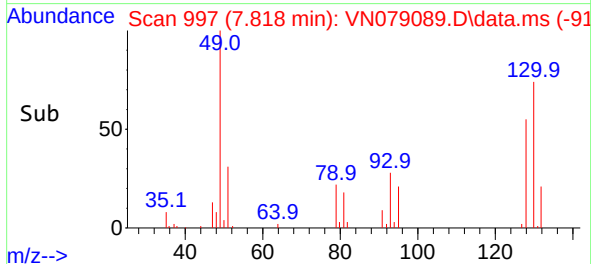
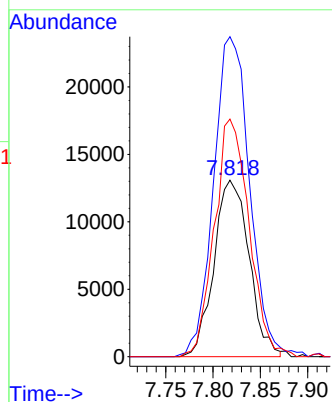


#1
Bromochloromethane
Concen: 30.000 ug/l
RT: 7.818 min Scan# 91
Delta R.T. -0.006 min
Lab File: VN079089.D
Acq: 29 Aug 2023 13:16

Instrument :
MSVOA_N
ClientSampleId :

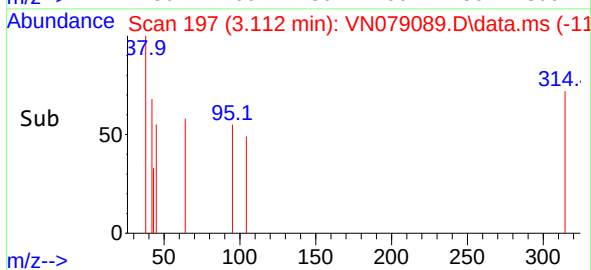
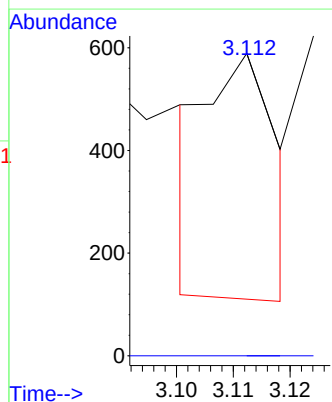
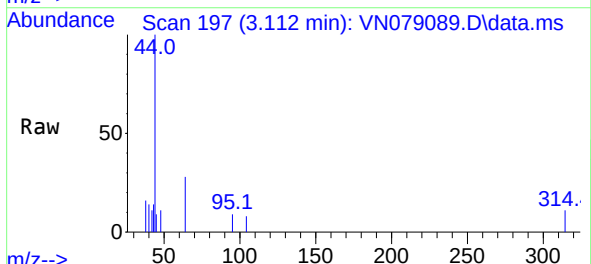


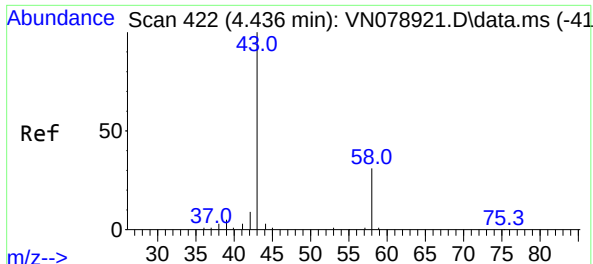
Tgt Ion:128 Resp: 33723
Ion Ratio Lower Upper
128 100
49 186.5 0.0 481.8
130 131.9 0.0 320.5



#6
Chloroethane
Concen: 0.246 ug/l
RT: 3.112 min Scan# 197
Delta R.T. -0.006 min
Lab File: VN079089.D
Acq: 29 Aug 2023 13:16

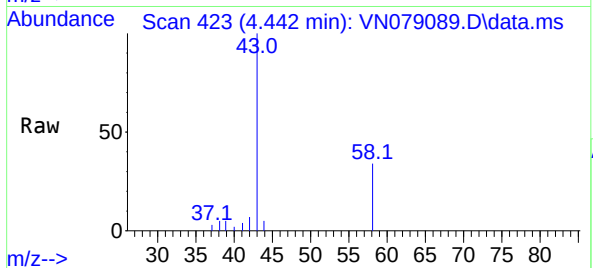
Tgt Ion: 64 Resp: 404
Ion Ratio Lower Upper
64 100
66 0.0 24.9 37.3#



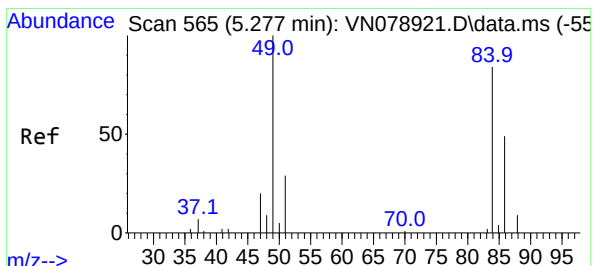
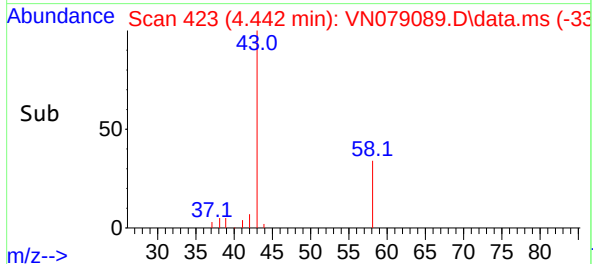
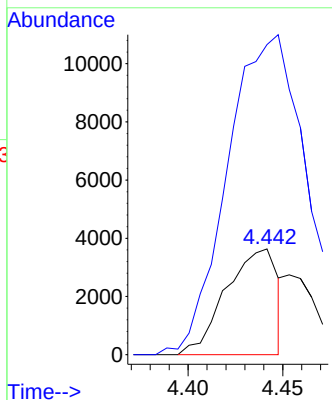


#15
Acetone
Concen: 20.363 ug/l
RT: 4.442 min Scan# 41
Delta R.T. 0.006 min
Lab File: VN079089.D
Acq: 29 Aug 2023 13:16

Instrument :
MSVOA_N
ClientSampleId :

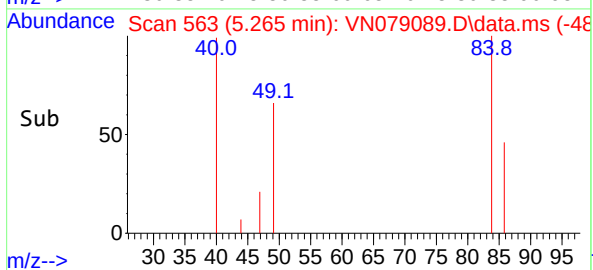
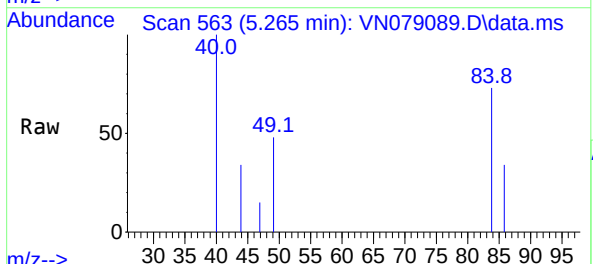
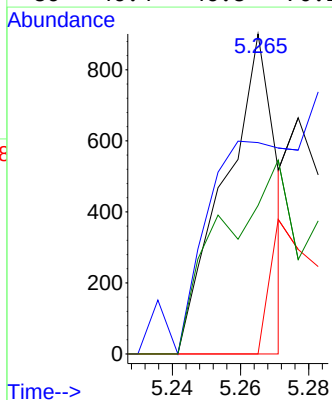


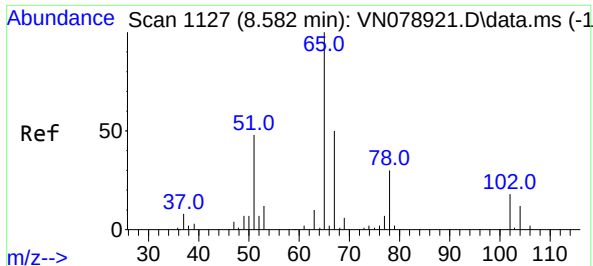
Tgt Ion: 58 Resp: 6875
Ion Ratio Lower Upper
58 100
43 288.1 260.6 390.8



#18
Methylene Chloride
Concen: 0.443 ug/l
RT: 5.265 min Scan# 563
Delta R.T. -0.012 min
Lab File: VN079089.D
Acq: 29 Aug 2023 13:16

Tgt Ion: 84 Resp: 945
Ion Ratio Lower Upper
84 100
49 66.0 95.8 143.6#
51 0.0 28.6 43.0#
86 46.4 46.8 70.2#

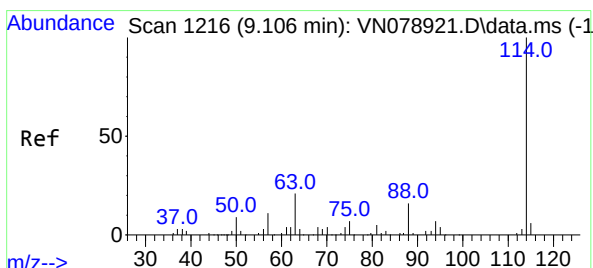
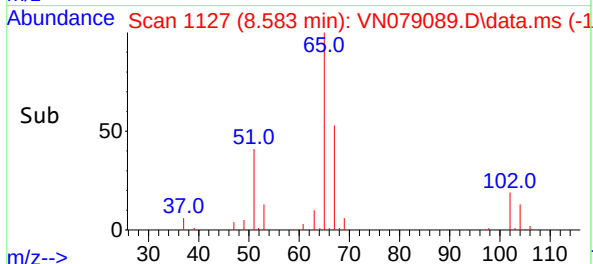
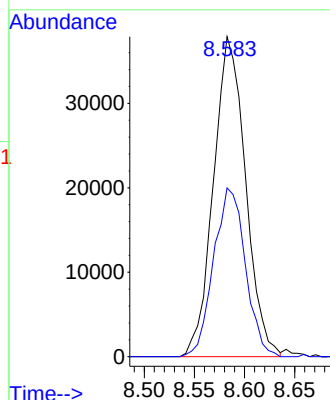
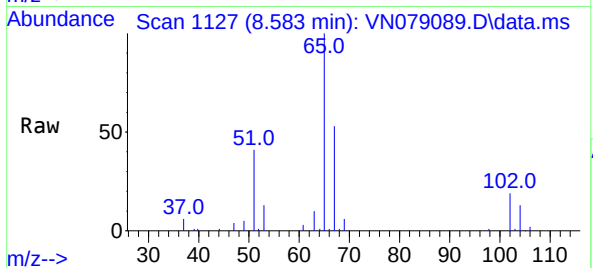




#27
1,2-Dichloroethane-d4
Concen: 30.893 ug/l
RT: 8.583 min Scan# 1127
Delta R.T. 0.000 min
Lab File: VN079089.D
Acq: 29 Aug 2023 13:16

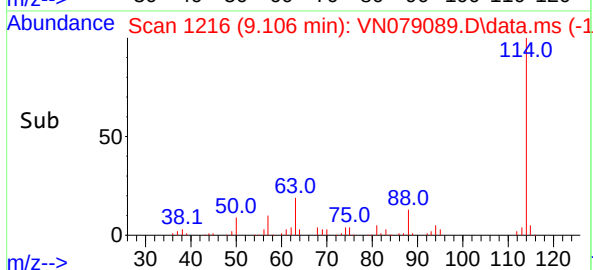
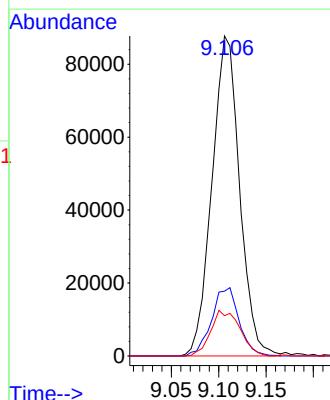
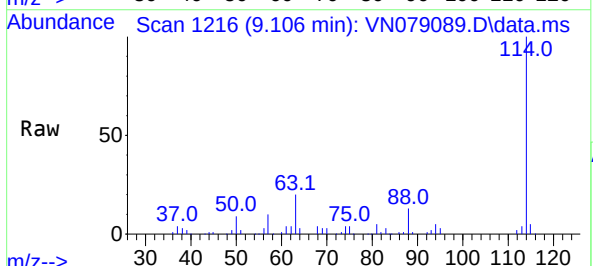
Instrument :
MSVOA_N
ClientSampleId :

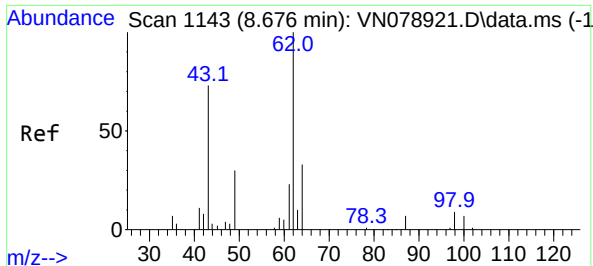
Tgt Ion: 65 Resp: 84402
Ion Ratio Lower Upper
65 100
67 52.1 40.7 61.1



#28
1,4-Difluorobenzene
Concen: 30.000 ug/l
RT: 9.106 min Scan# 1216
Delta R.T. 0.000 min
Lab File: VN079089.D
Acq: 29 Aug 2023 13:16

Tgt Ion: 114 Resp: 178269
Ion Ratio Lower Upper
114 100
63 21.3 17.4 26.2
88 15.1 12.0 18.0

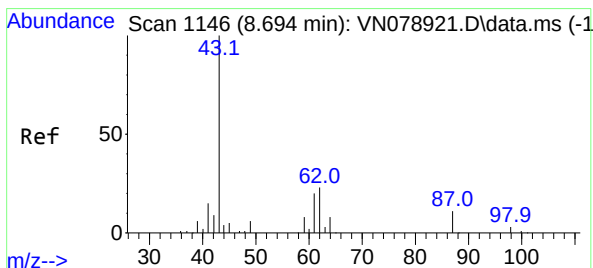
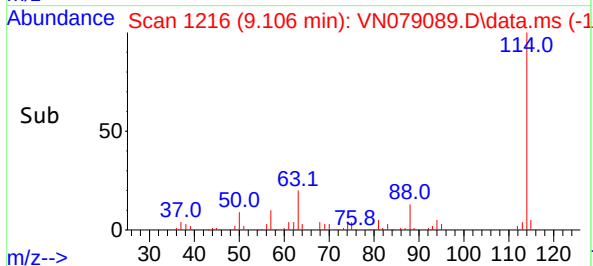
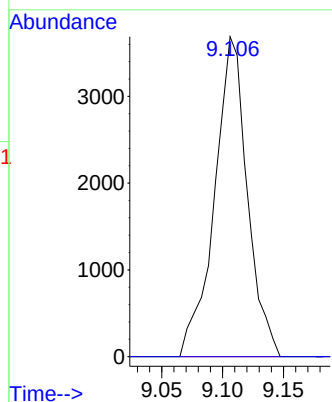
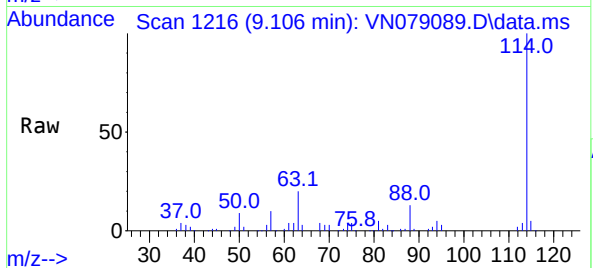




#36
1,2-Dichloroethane
Concen: 2.275 ug/l
RT: 9.106 min Scan# 1150
Delta R.T. 0.430 min
Lab File: VN079089.D
Acq: 29 Aug 2023 13:16

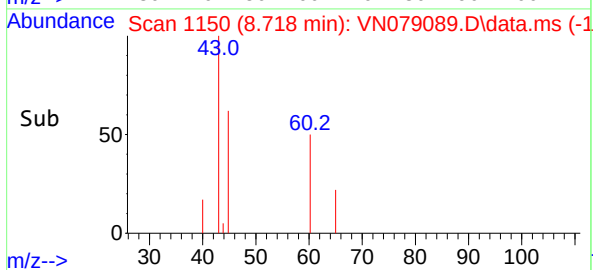
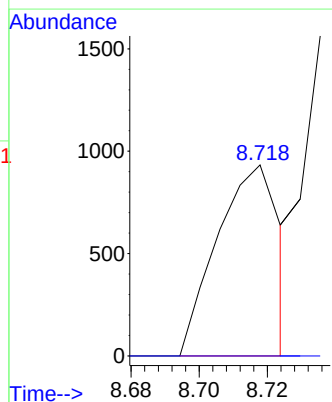
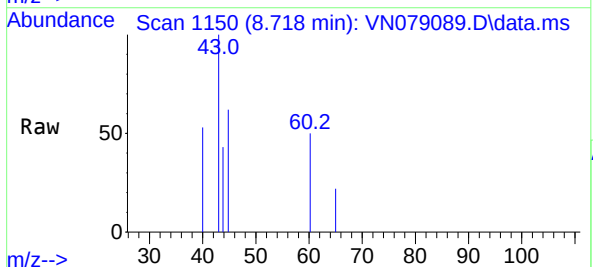
Instrument :
MSVOA_N
ClientSampleId :

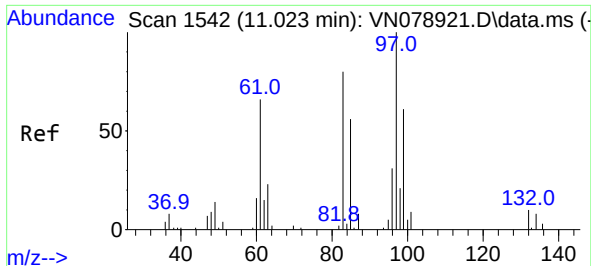
Tgt Ion: 62 Resp: 6924
Ion Ratio Lower Upper
62 100
98 0.0 8.1 12.1#



#44
Isopropyl Acetate
Concen: 0.219 ug/l
RT: 8.718 min Scan# 1150
Delta R.T. 0.024 min
Lab File: VN079089.D
Acq: 29 Aug 2023 13:16

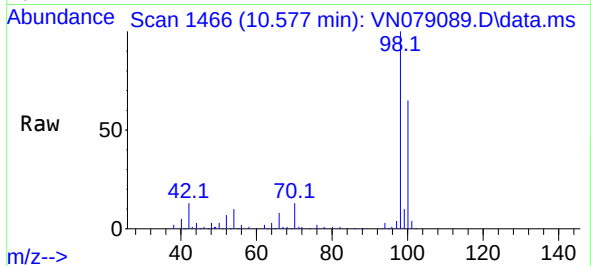
Tgt Ion: 43 Resp: 1186
Ion Ratio Lower Upper
43 100
61 166.2 19.0 28.4#



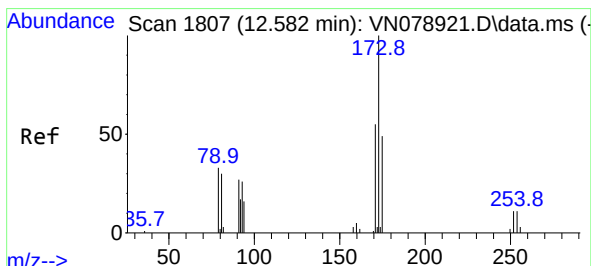
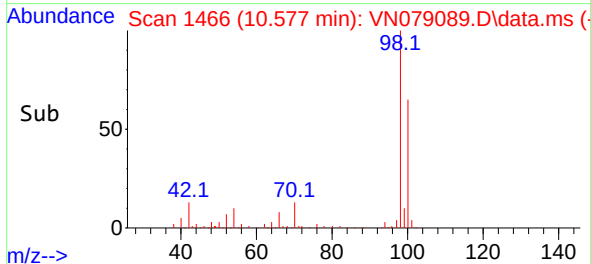
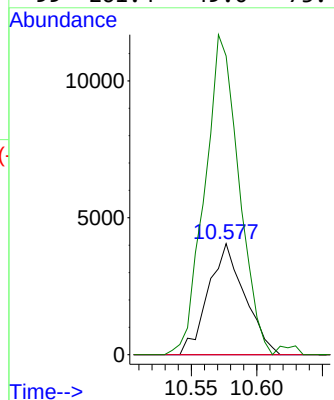


#50
1,1,2-Trichloroethane
Concen: 3.958 ug/l
RT: 10.577 min Scan# 1466
Delta R.T. -0.447 min
Lab File: VN079089.D
Acq: 29 Aug 2023 13:16

Instrument :
MSVOA_N
ClientSampleId :

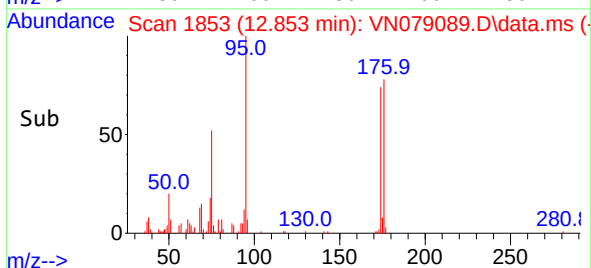
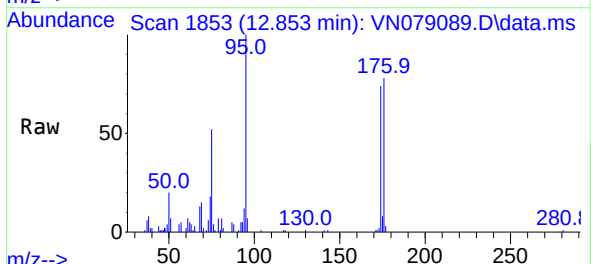
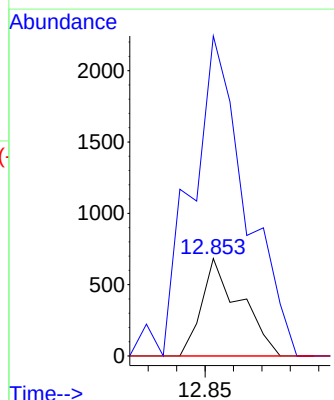


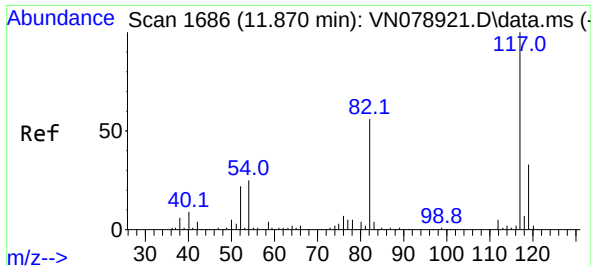
Tgt Ion:	97	Resp:	7849
Ion	Ratio	Lower	Upper
97	100		
83	0.0	63.7	95.5#
85	0.0	44.9	67.3#
99	261.4	49.0	73.4#



#56
Bromoform
Concen: 0.424 ug/l
RT: 12.853 min Scan# 1853
Delta R.T. 0.271 min
Lab File: VN079089.D
Acq: 29 Aug 2023 13:16

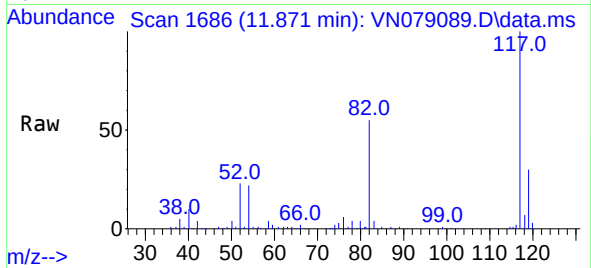
Tgt Ion:	173	Resp:	649
Ion	Ratio	Lower	Upper
173	100		
175	456.1	38.8	58.2#
254	0.0	7.6	11.4#



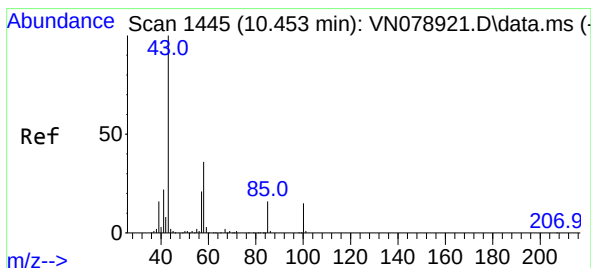
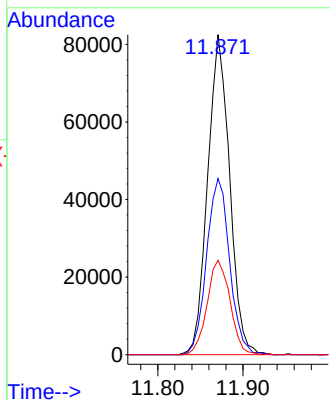
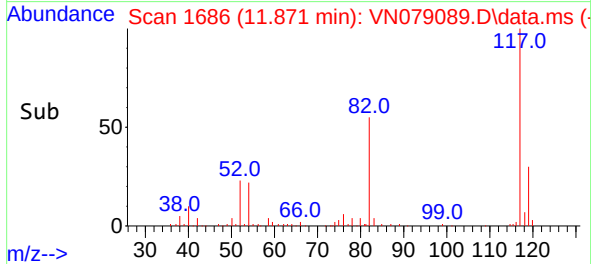


#57
Chlorobenzene-d5
Concen: 30.000 ug/l
RT: 11.871 min Scan# 117
Delta R.T. 0.000 min
Lab File: VN079089.D
Acq: 29 Aug 2023 13:16

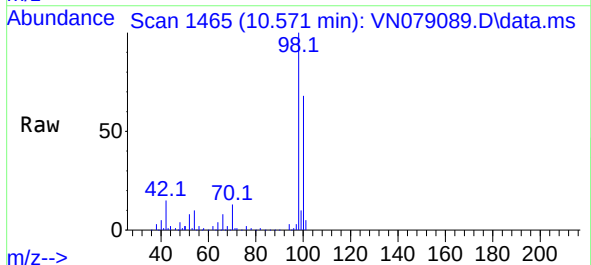
Instrument :
MSVOA_N
ClientSampleId :



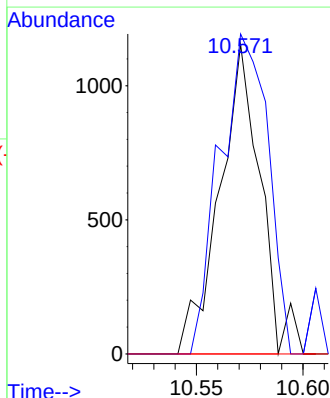
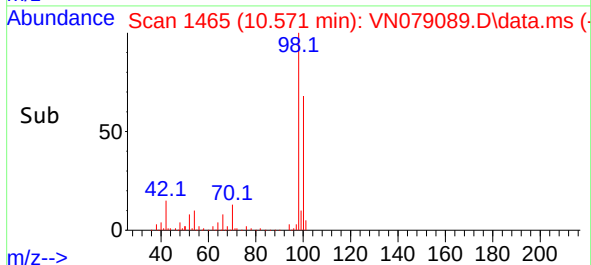
Tgt Ion:117 Resp: 147708
Ion Ratio Lower Upper
117 100
82 57.8 43.4 65.0
119 30.8 25.5 38.3

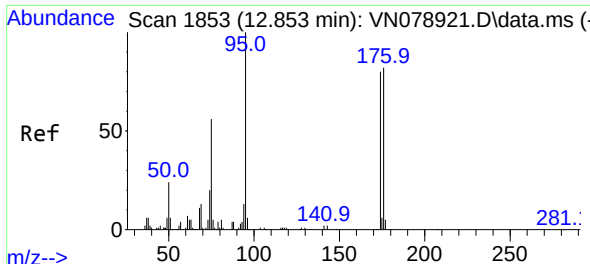


#58
4-Methyl-2-Pentanone
Concen: 0.502 ug/l
RT: 10.571 min Scan# 1465
Delta R.T. 0.118 min
Lab File: VN079089.D
Acq: 29 Aug 2023 13:16



Tgt Ion: 43 Resp: 1472
Ion Ratio Lower Upper
43 100
58 127.6 28.8 43.2#
85 0.0 12.7 19.1#

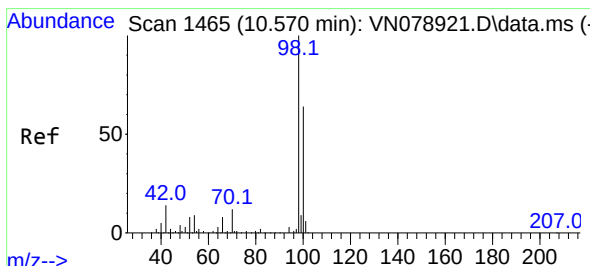
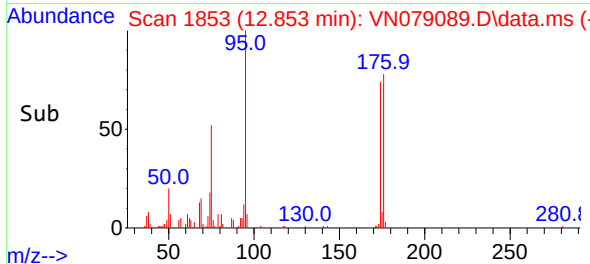
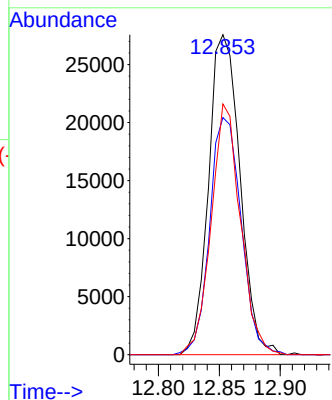
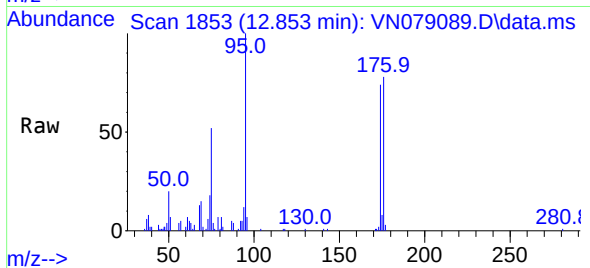




#60
4-Bromofluorobenzene
Concen: 22.941 ug/l
RT: 12.853 min Scan# 11
Delta R.T. 0.000 min
Lab File: VN079089.D
Acq: 29 Aug 2023 13:16

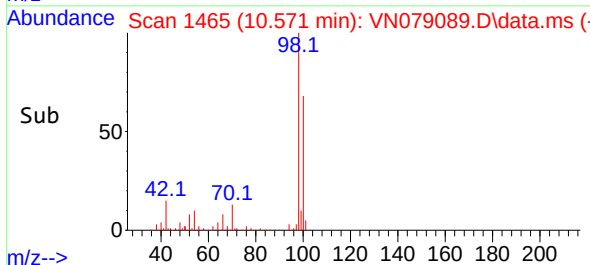
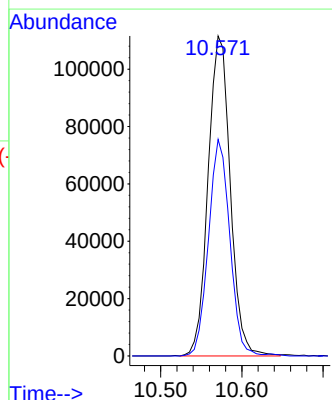
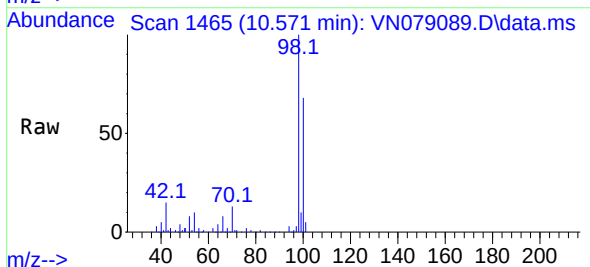
Instrument :
MSVOA_N
ClientSampleId :

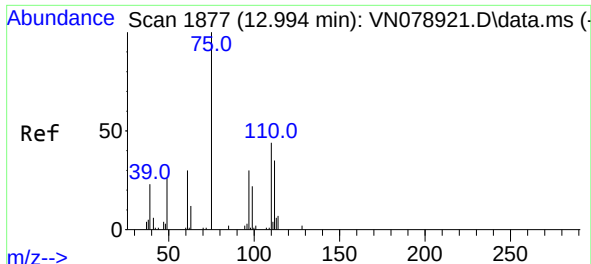
Tgt Ion: 95 Resp: 49430
Ion Ratio Lower Upper
95 100
174 74.4 64.8 97.2
176 73.1 63.0 94.6



#63
Toluene-d8
Concen: 30.700 ug/l
RT: 10.571 min Scan# 1465
Delta R.T. 0.000 min
Lab File: VN079089.D
Acq: 29 Aug 2023 13:16

Tgt Ion: 98 Resp: 211766
Ion Ratio Lower Upper
98 100
100 64.9 51.1 76.7

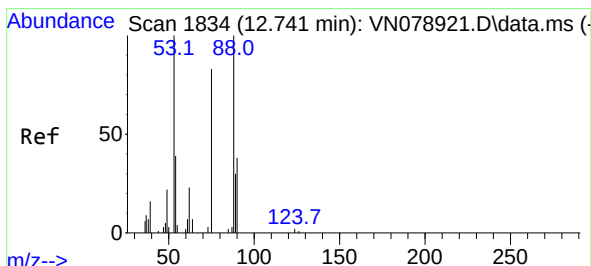
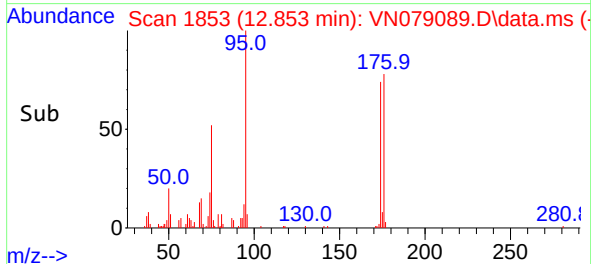
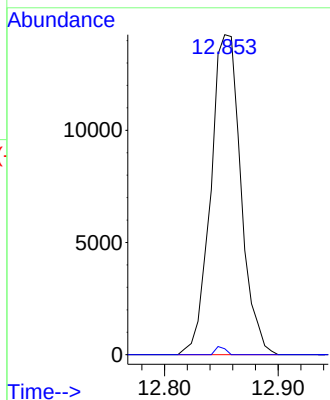
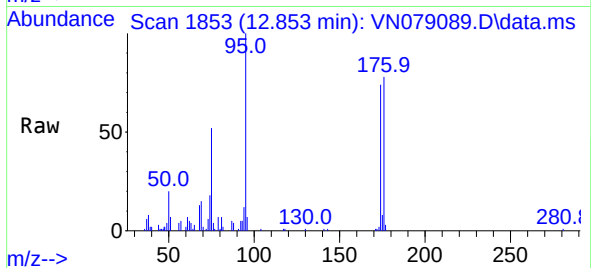




#72
1,2,3-Trichloropropane
Concen: 11.370 ug/l
RT: 12.853 min Scan# 1853
Delta R.T. -0.141 min
Lab File: VN079089.D
Acq: 29 Aug 2023 13:16

Instrument :
MSVOA_N
ClientSampleId :

Tgt Ion: 75 Resp: 26273
Ion Ratio Lower Upper
75 100
77 0.8 0.0 367.4



#77
t-1,4-Dichloro-2-butene
Concen: 30.595 ug/l
RT: 12.853 min Scan# 1853
Delta R.T. 0.112 min
Lab File: VN079089.D
Acq: 29 Aug 2023 13:16

Tgt Ion: 75 Resp: 26273
Ion Ratio Lower Upper
75 100
53 0.0 60.1 180.3#
89 0.0 22.9 68.8#

