

Data Path : Z:\voasrv\HPCHEM1\MSVOA_N\Data\VN102023\
 Data File : VN079629.D
 Acq On : 20 Oct 2023 15:28
 Operator : JC\MD
 Sample : 05000-02 100X
 Misc : 5.0mL/MSVOA_N/WATER
 ALS Vial : 13 Sample Multiplier: 1

Instrument :
 MSVOA_N
 ClientSampleId :

Quant Time: Oct 20 23:50:32 2023
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_N\methods\624N101723W.M
 Quant Title : METHOD 624 VOLATILE ORGANIC ANALYSIS
 QLast Update : Wed Oct 18 02:19:15 2023
 Response via : Initial Calibration

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

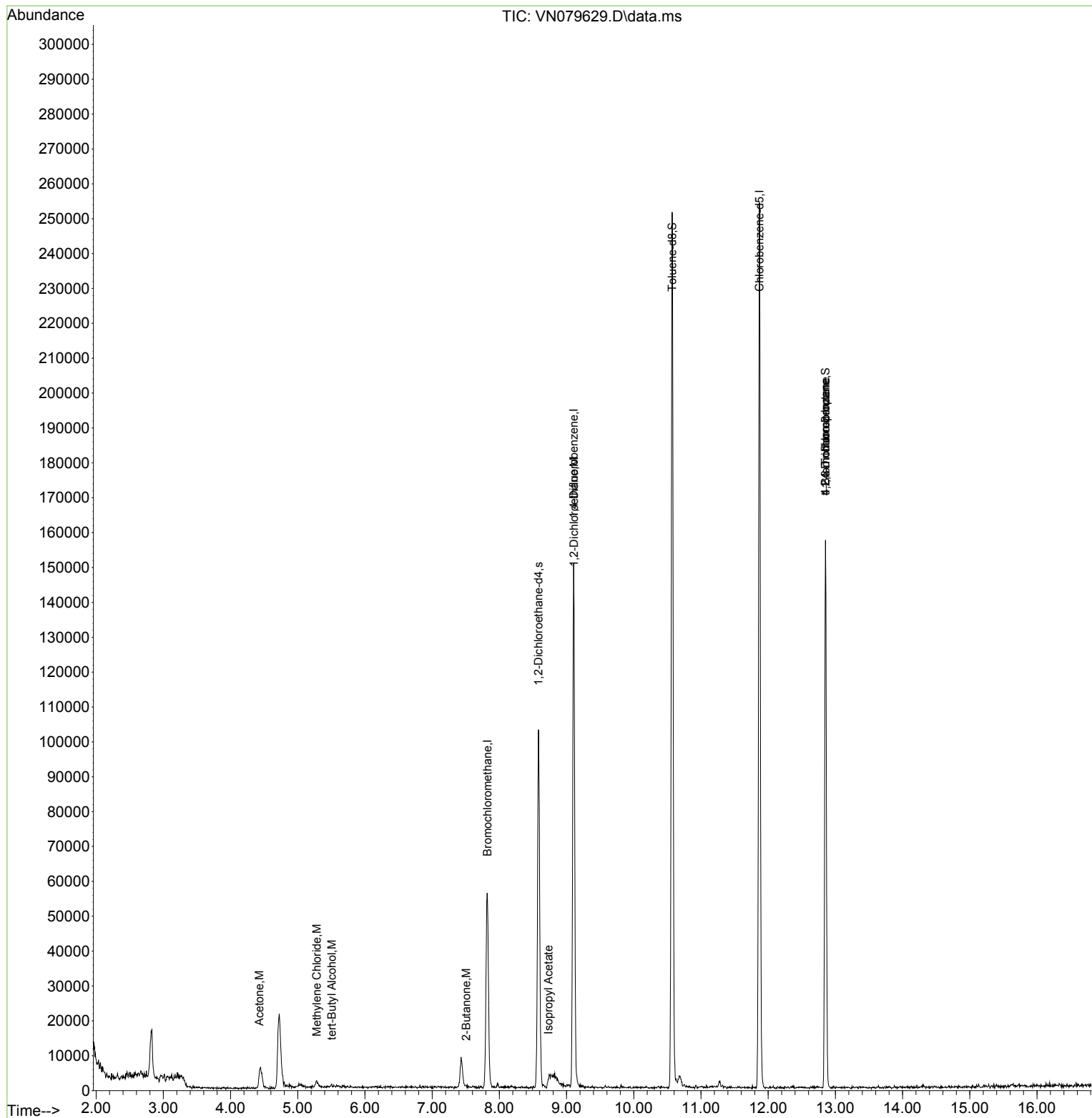
Internal Standards						
1) Bromochloromethane	7.824	128	19710	30.000	ug/l	0.00
28) 1,4-Difluorobenzene	9.106	114	121460	30.000	ug/l	0.00
57) Chlorobenzene-d5	11.870	117	142890	30.000	ug/l	0.00
System Monitoring Compounds						
27) 1,2-Dichloroethane-d4	8.582	65	79880	28.505	ug/l	0.00
Spiked Amount	30.000	Range	91 - 110	Recovery	=	95.000%
60) 4-Bromofluorobenzene	12.853	95	52828	20.217	ug/l	0.00
Spiked Amount	30.000	Range	63 - 112	Recovery	=	67.400%
63) Toluene-d8	10.571	98	175778	28.708	ug/l	0.00
Spiked Amount	30.000	Range	91 - 112	Recovery	=	95.700%
Target Compounds						
					Qvalue	
15) Acetone	4.430	58	1302	2.681	ug/l	72
18) Methylene Chloride	5.283	84	840	0.257	ug/l #	63
23) tert-Butyl Alcohol	5.506	59	162	0.316	ug/l #	100
30) 2-Butanone	7.506	43	400	0.225	ug/l #	56
36) 1,2-Dichloroethane	9.112	62	4439	1.153	ug/l #	75
44) Isopropyl Acetate	8.730	43	1194	0.201	ug/l #	1
72) 1,2,3-Trichloropropane	12.853	75	31157	9.451	ug/l	1
77) t-1,4-Dichloro-2-butene	12.853	75	31157	30.965	ug/l #	7

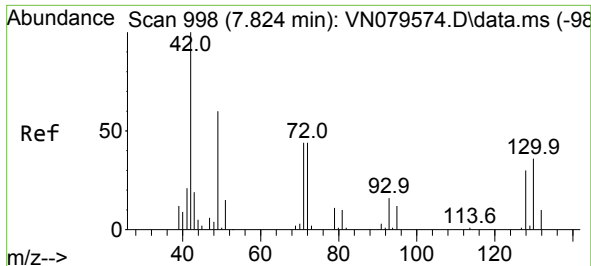
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Data Path : Z:\voasrv\HPCHEM1\MSVOA_N\Data\VN102023\
Data File : VN079629.D
Acq On : 20 Oct 2023 15:28
Operator : JC\MD
Sample : 05000-02 100X
Misc : 5.0mL/MSVOA_N/WATER
ALS Vial : 13 Sample Multiplier: 1

Instrument :
MSVOA_N
ClientSampleId :

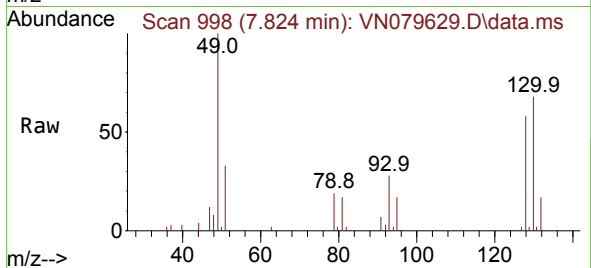
Quant Time: Oct 20 23:50:32 2023
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_N\methods\624N101723W.M
Quant Title : METHOD 624 VOLATILE ORGANIC ANALYSIS
QLast Update : Wed Oct 18 02:19:15 2023
Response via : Initial Calibration



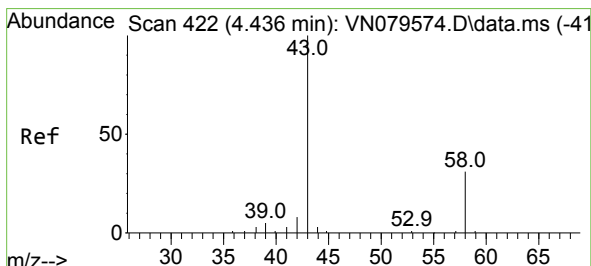
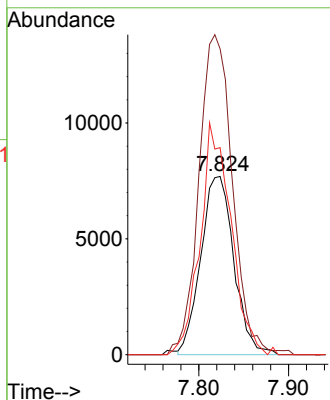
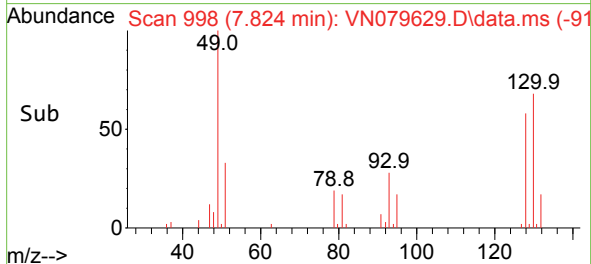


#1
Bromochloromethane
Concen: 30.000 ug/l
RT: 7.824 min Scan# 998
Delta R.T. -0.000 min
Lab File: VN079629.D
Acq: 20 Oct 2023 15:28

Instrument :
MSVOA_N
ClientSampleId :

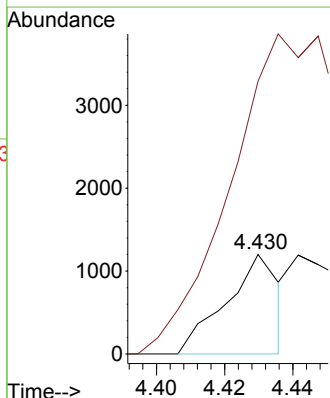
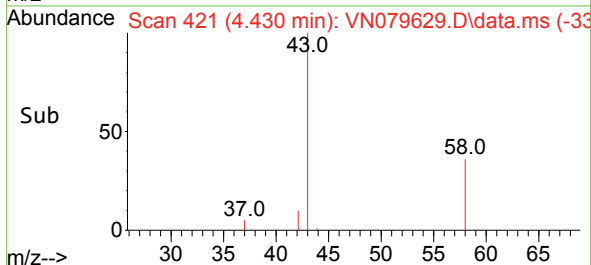
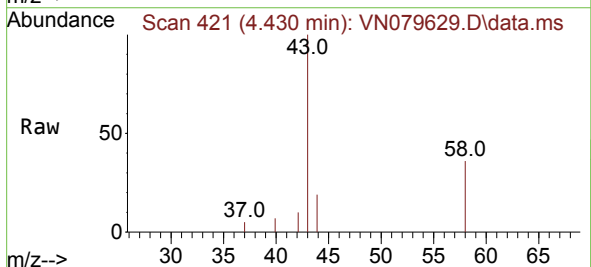


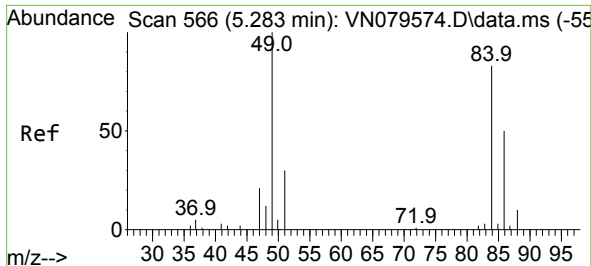
Tgt Ion:128 Resp: 19710
Ion Ratio Lower Upper
128 100
49 181.9 0.0 468.5
130 120.7 0.0 320.7



#15
Acetone
Concen: 2.681 ug/l
RT: 4.430 min Scan# 421
Delta R.T. -0.006 min
Lab File: VN079629.D
Acq: 20 Oct 2023 15:28

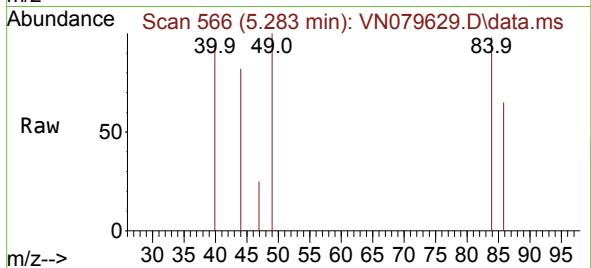
Tgt Ion: 58 Resp: 1302
Ion Ratio Lower Upper
58 100
43 229.6 225.2 337.8



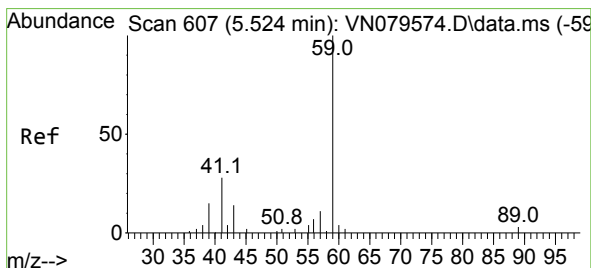
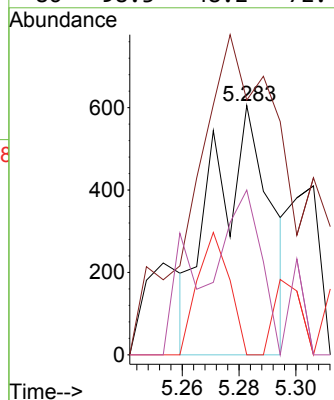


#18
Methylene Chloride
Concen: 0.257 ug/l
RT: 5.283 min Scan# 501
Delta R.T. 0.000 min
Lab File: VN079629.D
Acq: 20 Oct 2023 15:28

Instrument :
MSVOA_N
ClientSampleId :

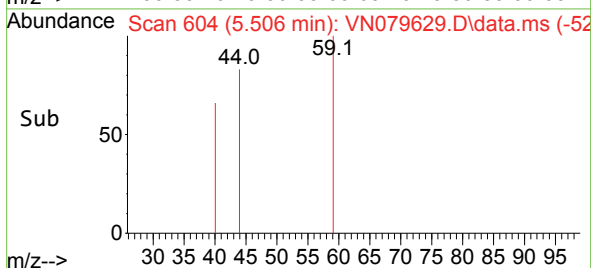
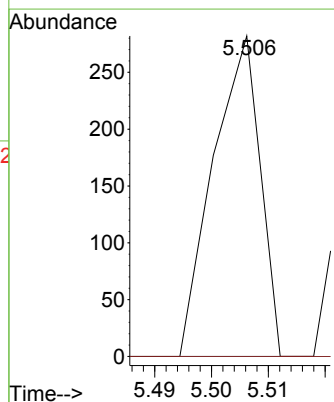
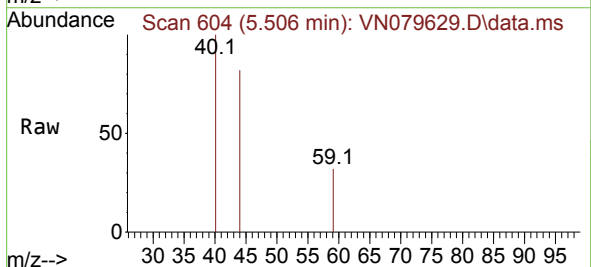


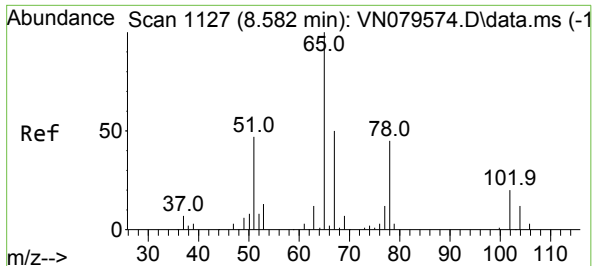
Tgt Ion:	84	Resp:	840
Ion	Ratio	Lower	Upper
84	100		
49	98.8	100.9	151.3#
51	0.0	29.4	44.2#
86	98.3	48.2	72.4#



#23
tert-Butyl Alcohol
Concen: 0.316 ug/l
RT: 5.506 min Scan# 604
Delta R.T. -0.018 min
Lab File: VN079629.D
Acq: 20 Oct 2023 15:28

Tgt Ion:	59	Resp:	162
Ion	Ratio	Lower	Upper
59	100		
52	0.0	0.0	0.0

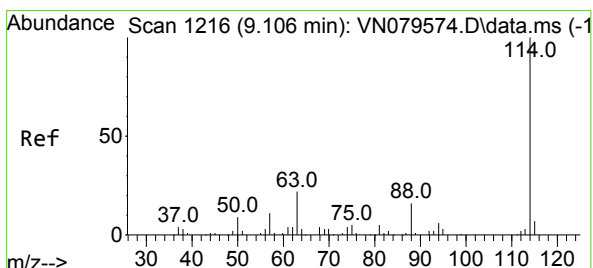
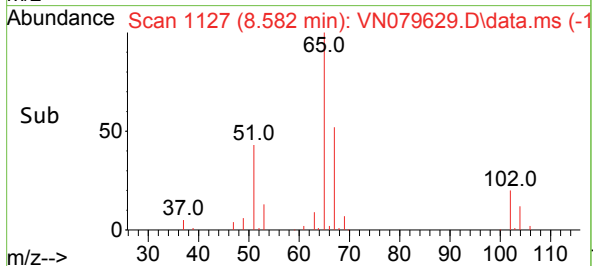
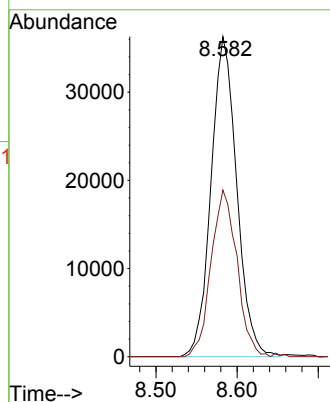
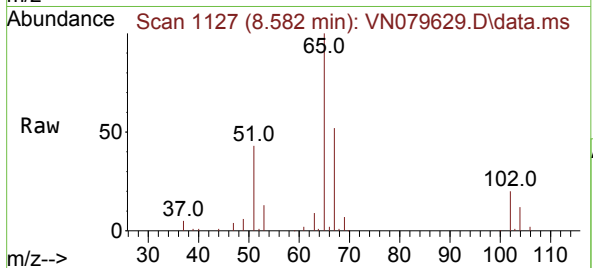




#27
 1,2-Dichloroethane-d4
 Concen: 28.505 ug/l
 RT: 8.582 min Scan# 1127
 Delta R.T. 0.000 min
 Lab File: VN079629.D
 Acq: 20 Oct 2023 15:28

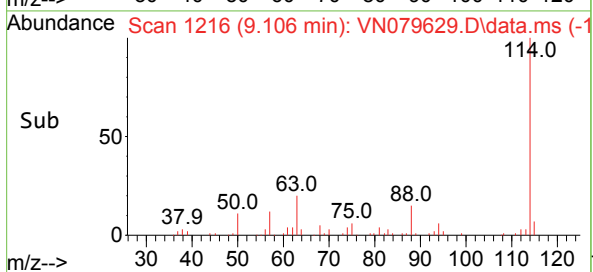
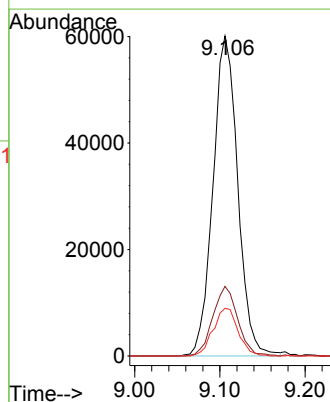
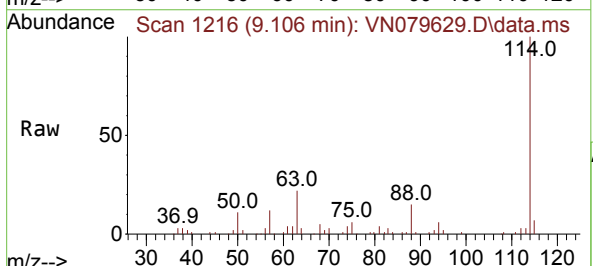
Instrument :
 MSVOA_N
 ClientSampleId :

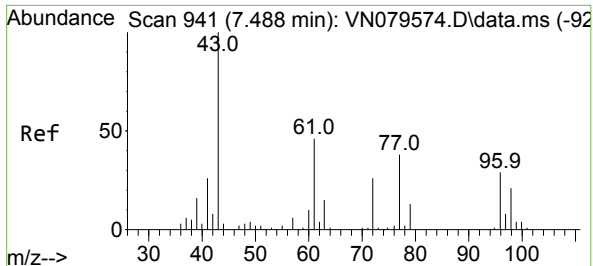
Tgt Ion: 65 Resp: 79880
 Ion Ratio Lower Upper
 65 100
 67 52.3 42.1 63.1



#28
 1,4-Difluorobenzene
 Concen: 30.000 ug/l
 RT: 9.106 min Scan# 1216
 Delta R.T. 0.000 min
 Lab File: VN079629.D
 Acq: 20 Oct 2023 15:28

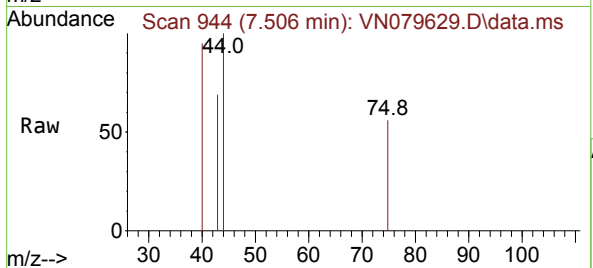
Tgt Ion: 114 Resp: 121460
 Ion Ratio Lower Upper
 114 100
 63 21.6 18.1 27.1
 88 15.0 12.2 18.2



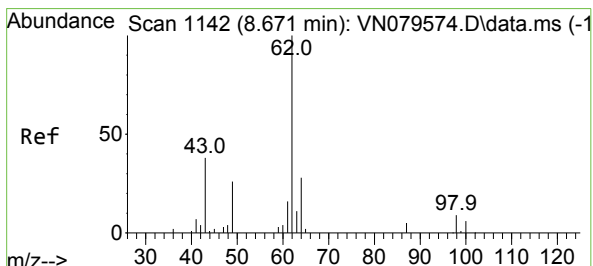
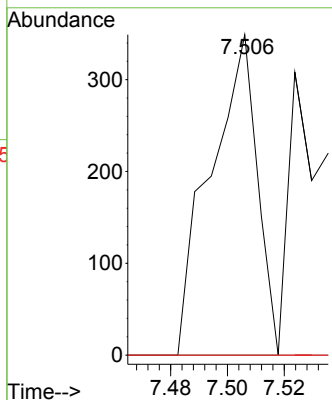
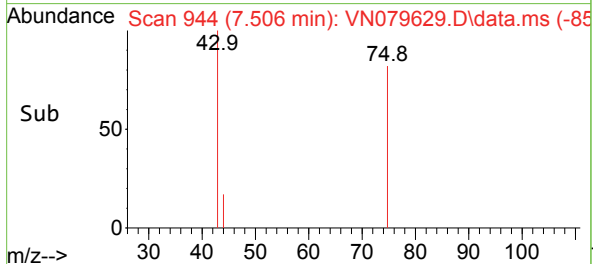


#30
2-Butanone
Concen: 0.225 ug/l
RT: 7.506 min Scan# 941
Delta R.T. 0.018 min
Lab File: VN079629.D
Acq: 20 Oct 2023 15:28

Instrument :
MSVOA_N
ClientSampleId :

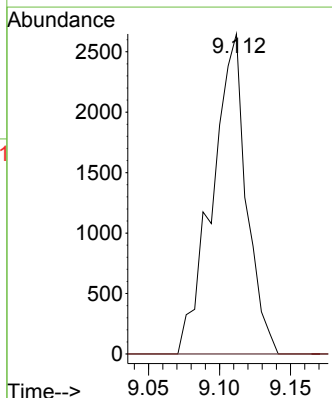
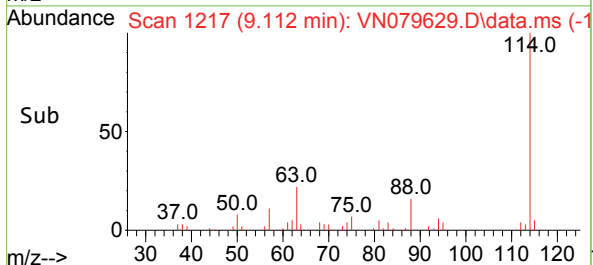
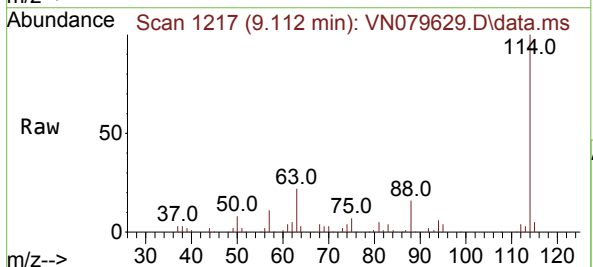


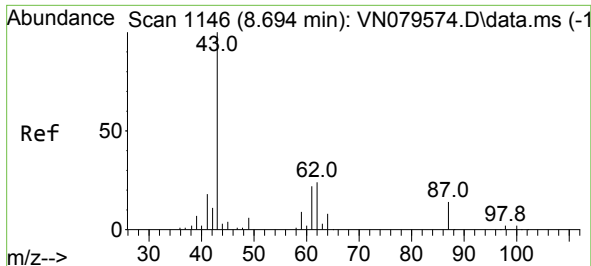
Tgt Ion: 43 Resp: 400
Ion Ratio Lower Upper
43 100
57 0.0 6.4 9.6#
72 0.0 20.7 31.1#



#36
1,2-Dichloroethane
Concen: 1.153 ug/l
RT: 9.112 min Scan# 1217
Delta R.T. 0.441 min
Lab File: VN079629.D
Acq: 20 Oct 2023 15:28

Tgt Ion: 62 Resp: 4439
Ion Ratio Lower Upper
62 100
98 0.0 7.2 10.8#

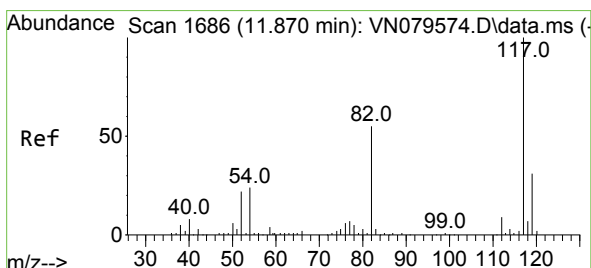
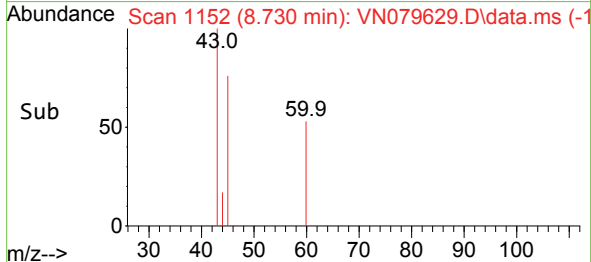
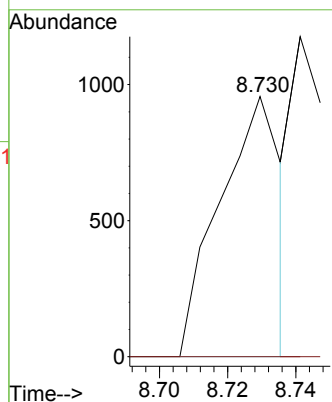
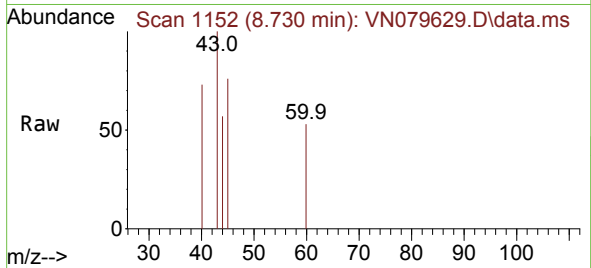




#44
Isopropyl Acetate
Concen: 0.201 ug/l
RT: 8.730 min Scan# 1152
Delta R.T. 0.035 min
Lab File: VN079629.D
Acq: 20 Oct 2023 15:28

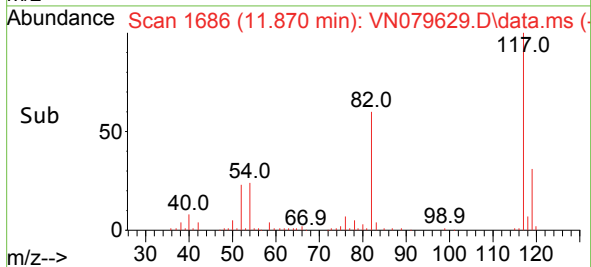
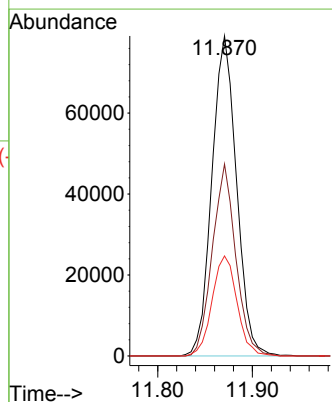
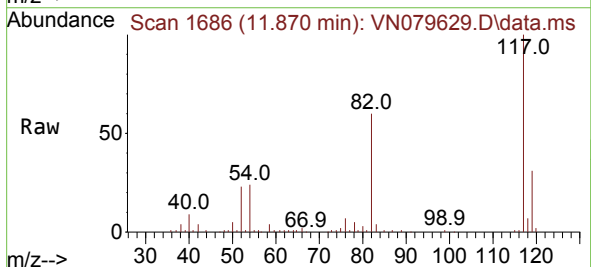
Instrument :
MSVOA_N
ClientSampleId :

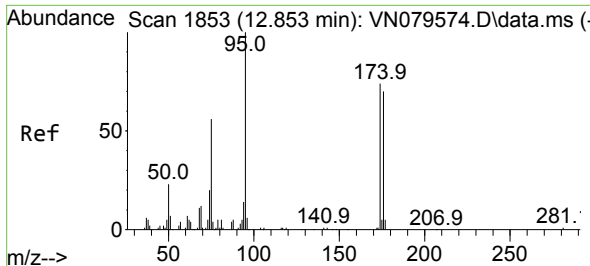
Tgt Ion: 43 Resp: 1194
Ion Ratio Lower Upper
43 100
61 146.5 20.3 30.5#



#57
Chlorobenzene-d5
Concen: 30.000 ug/l
RT: 11.870 min Scan# 1686
Delta R.T. 0.000 min
Lab File: VN079629.D
Acq: 20 Oct 2023 15:28

Tgt Ion: 117 Resp: 142890
Ion Ratio Lower Upper
117 100
82 57.2 46.2 69.2
119 31.7 25.2 37.8

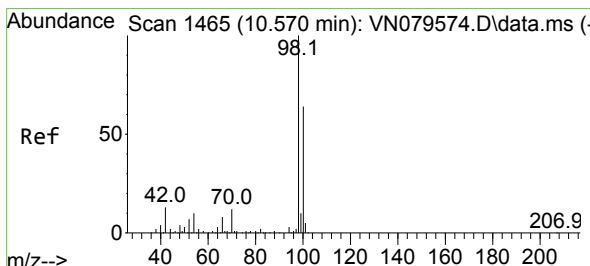
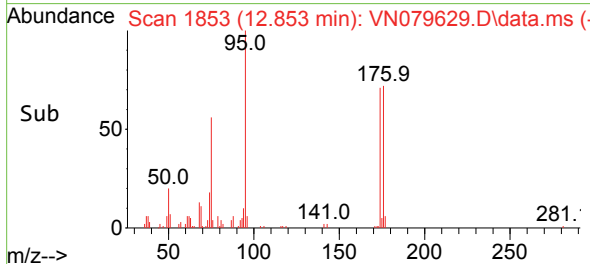
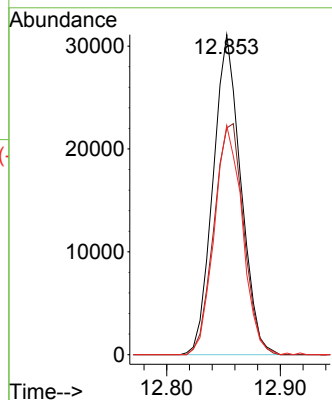
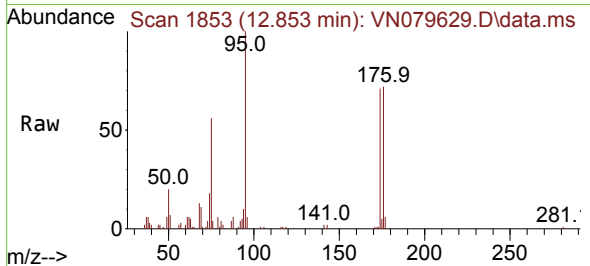




#60
4-Bromofluorobenzene
Concen: 20.217 ug/l
RT: 12.853 min Scan# 11
Delta R.T. 0.000 min
Lab File: VN079629.D
Acq: 20 Oct 2023 15:28

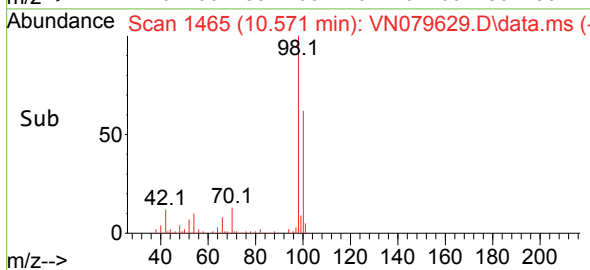
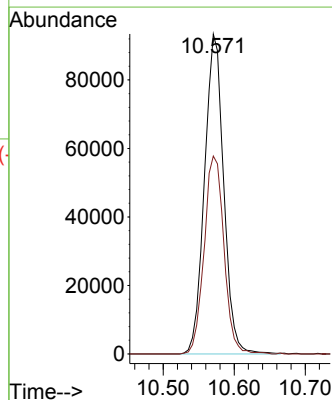
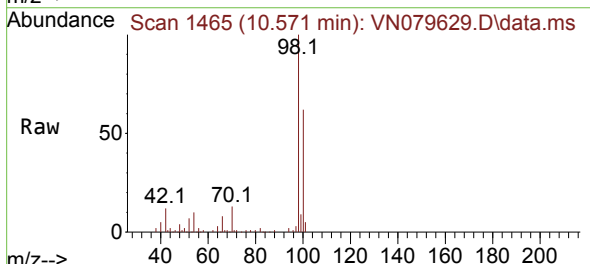
Instrument :
MSVOA_N
ClientSampleId :

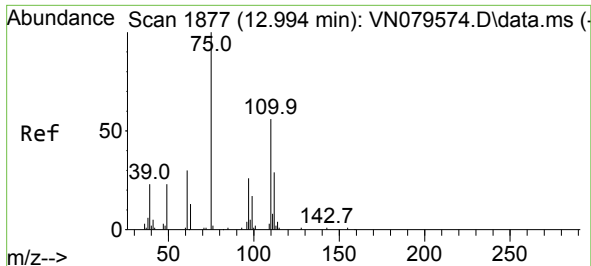
Tgt Ion: 95 Resp: 52828
Ion Ratio Lower Upper
95 100
174 77.7 60.5 90.7
176 72.7 57.2 85.8



#63
Toluene-d8
Concen: 28.708 ug/l
RT: 10.571 min Scan# 1465
Delta R.T. 0.000 min
Lab File: VN079629.D
Acq: 20 Oct 2023 15:28

Tgt Ion: 98 Resp: 175778
Ion Ratio Lower Upper
98 100
100 63.5 51.6 77.4

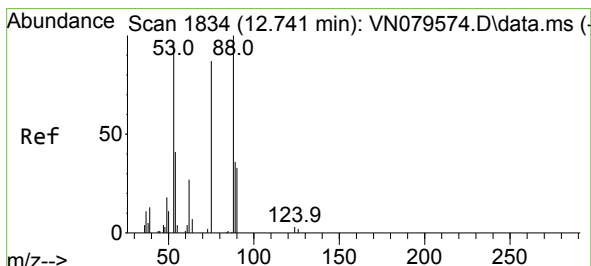
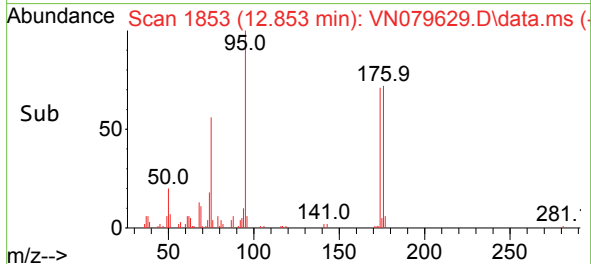
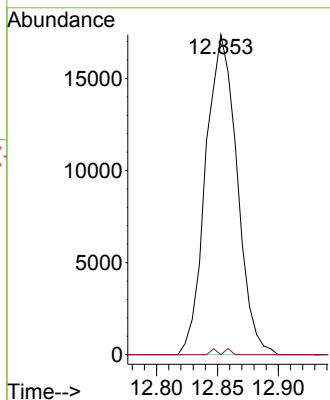
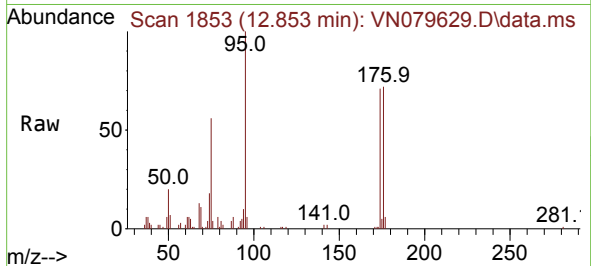




#72
1,2,3-Trichloropropane
Concen: 9.451 ug/l
RT: 12.853 min Scan# 1853
Delta R.T. -0.141 min
Lab File: VN079629.D
Acq: 20 Oct 2023 15:28

Instrument :
MSVOA_N
ClientSampleId :

Tgt Ion: 75 Resp: 31157
Ion Ratio Lower Upper
75 100
77 0.4 0.0 338.2



#77
t-1,4-Dichloro-2-butene
Concen: 30.965 ug/l
RT: 12.853 min Scan# 1853
Delta R.T. 0.112 min
Lab File: VN079629.D
Acq: 20 Oct 2023 15:28

Tgt Ion: 75 Resp: 31157
Ion Ratio Lower Upper
75 100
53 0.0 53.0 159.1#
89 0.0 22.6 67.7#

