

Data Path : Z:\voasrv\HPCHEM1\MSVOA_N\Data\VN082923\
 Data File : VN079104.D
 Acq On : 29 Aug 2023 19:20
 Operator : JC\MD
 Sample : 04225-01
 Misc : 5.0mL/MSVOA_N/WATER
 ALS Vial : 25 Sample Multiplier: 1

Instrument :
 MSVOA_N
 ClientSampleId :

Quant Time: Aug 30 01:15:35 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)

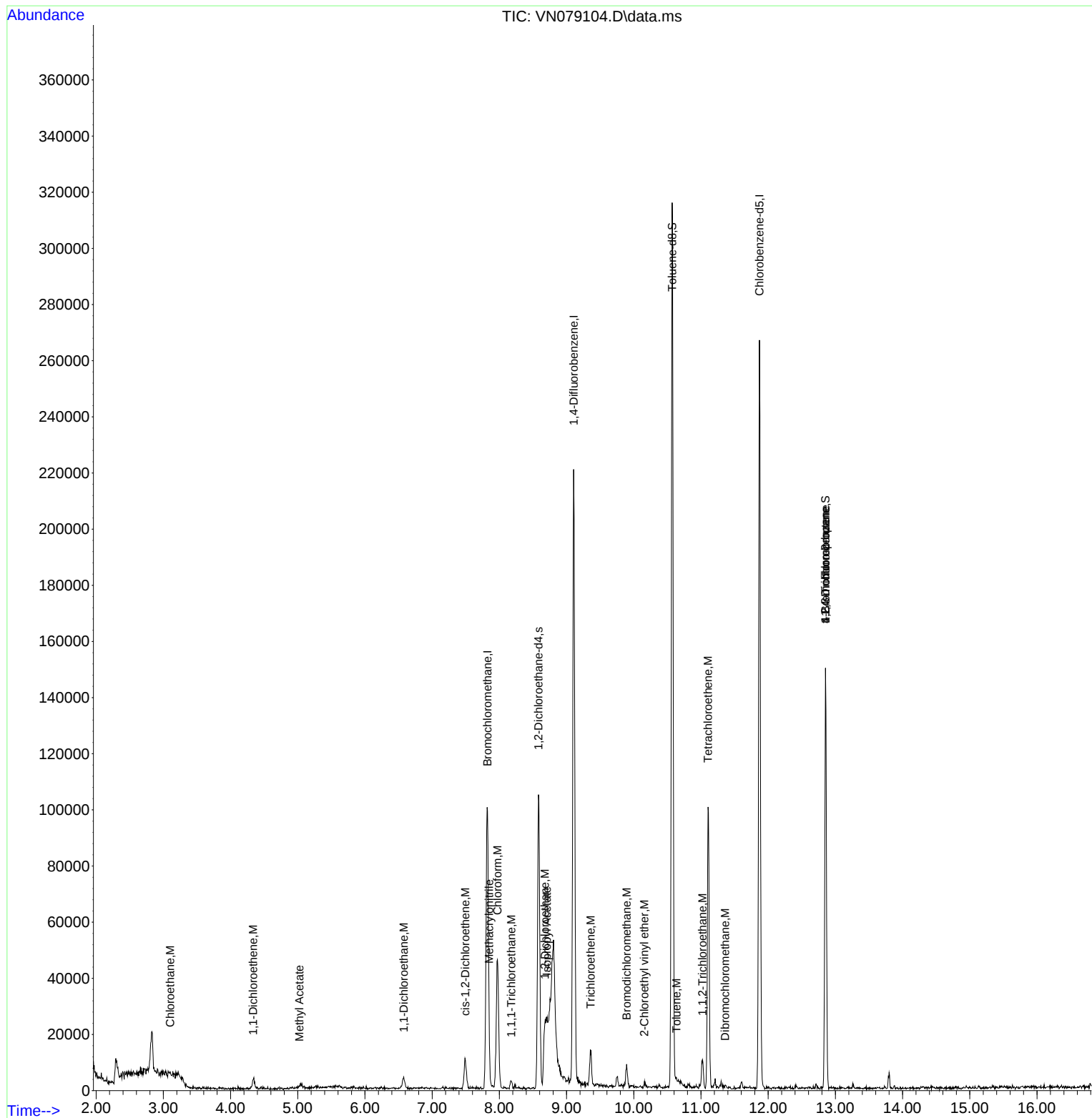
Internal Standards						
1) Bromochloromethane	7.824	128	34074	30.000	ug/l	0.00
28) 1,4-Difluorobenzene	9.106	114	181369	30.000	ug/l	0.00
57) Chlorobenzene-d5	11.871	117	149972	30.000	ug/l	0.00
System Monitoring Compounds						
27) 1,2-Dichloroethane-d4	8.583	65	83522	30.256	ug/l	0.00
Spiked Amount	30.000	Range	91 - 110	Recovery	=	100.867%
60) 4-Bromofluorobenzene	12.853	95	47210	21.580	ug/l	0.00
Spiked Amount	30.000	Range	63 - 112	Recovery	=	71.933%
63) Toluene-d8	10.571	98	208836	29.819	ug/l	0.00
Spiked Amount	30.000	Range	91 - 112	Recovery	=	99.400%
Target Compounds						
					Qvalue	
6) Chloroethane	3.101	64	462	0.279	ug/l #	44
10) 1,1-Dichloroethene	4.336	96	1857	1.029	ug/l #	25
12) Methyl Acetate	5.024	43	1013	0.239	ug/l #	54
21) 1,1-Dichloroethane	6.577	63	5529	1.385	ug/l #	79
22) cis-1,2-Dichloroethene	7.494	96	4785	2.058	ug/l #	61
25) Chloroform	7.971	83	44069	10.956	ug/l	98
32) 1,1,1-Trichloroethane	8.177	97	1506	0.457	ug/l #	45
35) Methacrylonitrile	7.847	41	594	0.345	ug/l #	28
36) 1,2-Dichloroethane	8.677	62	2939	0.949	ug/l #	86
37) Trichloroethene	9.359	130	4311	2.095	ug/l #	73
41) Bromodichloromethane	9.894	83	5130	1.709	ug/l	88
44) Isopropyl Acetate	8.706	43	2887	0.523	ug/l #	73
50) 1,1,2-Trichloroethane	11.024	97	3065	1.519	ug/l #	89
53) Dibromochloromethane	11.359	129	479	0.217	ug/l	92
55) 2-Chloroethyl vinyl ether	10.159	63	827	0.573	ug/l #	45
61) Tetrachloroethene	11.106	164	21830	15.033	ug/l #	82
62) Toluene	10.635	91	1815	0.222	ug/l #	75
72) 1,2,3-Trichloropropane	12.853	75	26945	11.485	ug/l	1
77) t-1,4-Dichloro-2-butene	12.853	75	26945	30.904	ug/l #	3

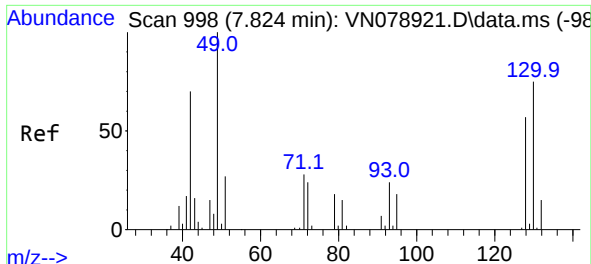
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Data Path : Z:\voasrv\HPCHEM1\MSVOA_N\Data\VN082923\
Data File : VN079104.D
Acq On : 29 Aug 2023 19:20
Operator : JC\MD
Sample : 04225-01
Misc : 5.0mL/MSVOA_N/WATER
ALS Vial : 25 Sample Multiplier: 1

Instrument :
MSVOA_N
ClientSampleId :

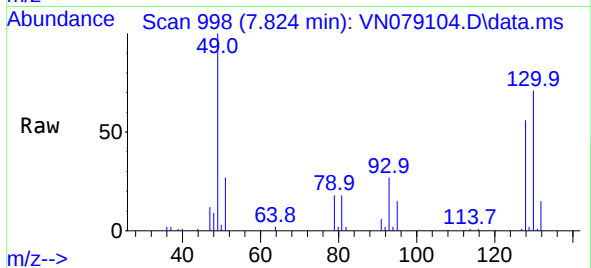
Quant Time: Aug 30 01:15:35 2023
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_N\methods\624N081723W.M
Quant Title : METHOD 624 VOLATILE ORGANIC ANALYSIS
QLast Update : Fri Aug 18 05:21:14 2023
Response via : Initial Calibration



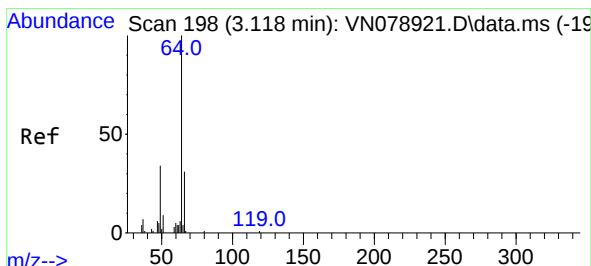
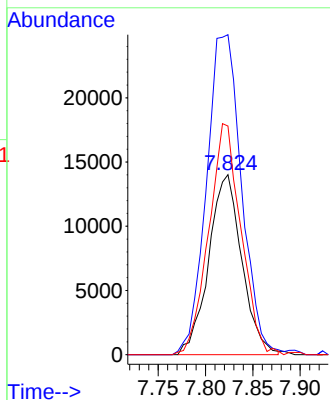
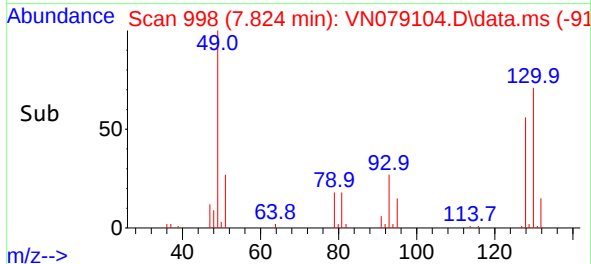


#1
Bromochloromethane
Concen: 30.000 ug/l
RT: 7.824 min Scan# 91
Delta R.T. -0.000 min
Lab File: VN079104.D
Acq: 29 Aug 2023 19:20

Instrument :
MSVOA_N
ClientSampleId :

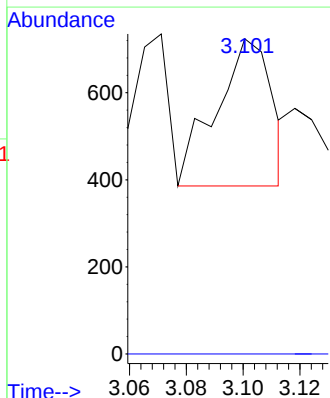
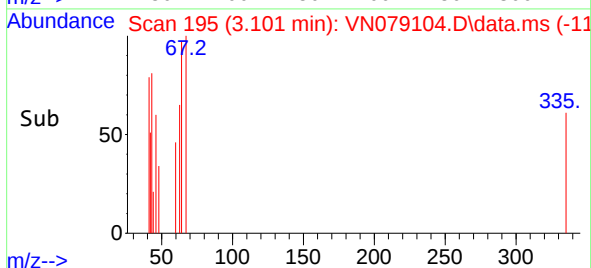
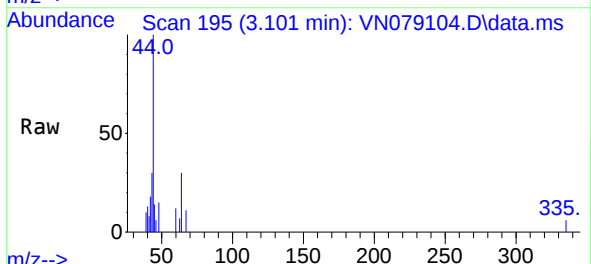


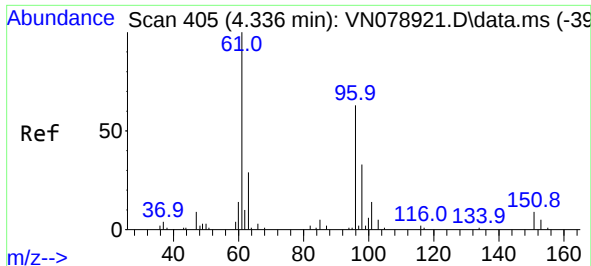
Tgt Ion:128 Resp: 34074
Ion Ratio Lower Upper
128 100
49 188.3 0.0 481.8
130 124.5 0.0 320.5



#6
Chloroethane
Concen: 0.279 ug/l
RT: 3.101 min Scan# 195
Delta R.T. -0.017 min
Lab File: VN079104.D
Acq: 29 Aug 2023 19:20

Tgt Ion: 64 Resp: 462
Ion Ratio Lower Upper
64 100
66 0.0 24.9 37.3#

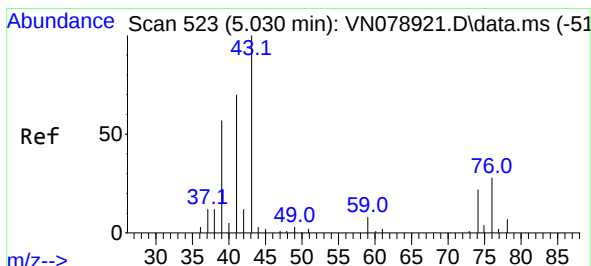
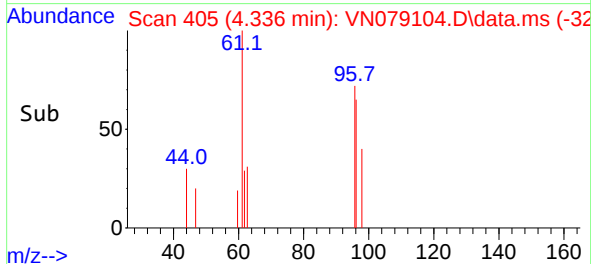
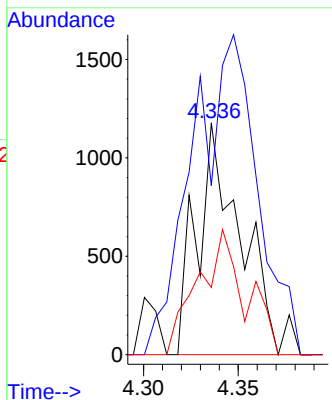
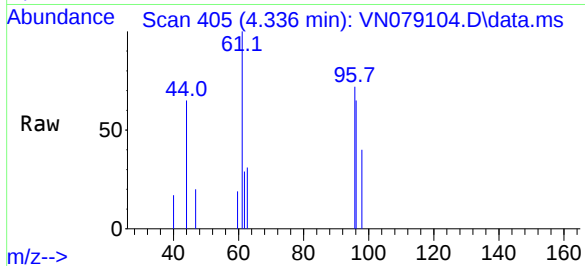




#10
1,1-Dichloroethene
Concen: 1.029 ug/l
RT: 4.336 min Scan# 405
Delta R.T. 0.000 min
Lab File: VN079104.D
Acq: 29 Aug 2023 19:20

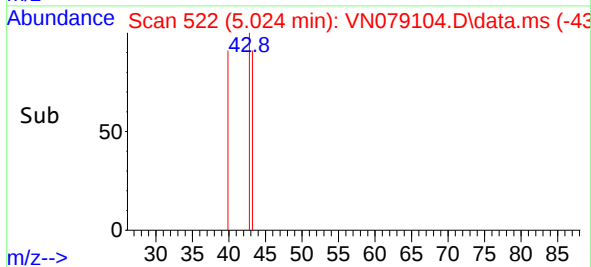
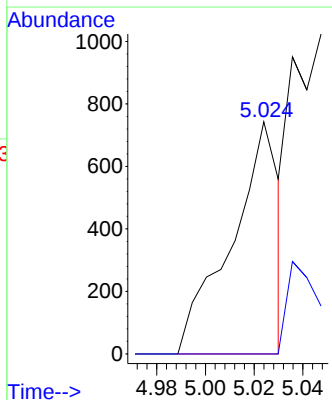
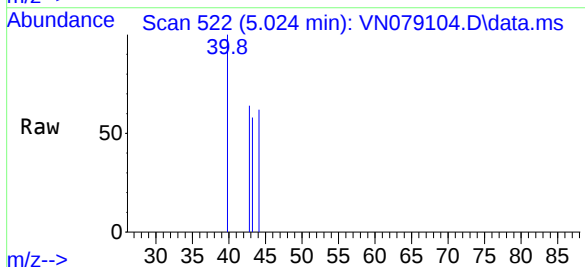
Instrument :
MSVOA_N
ClientSampleId :

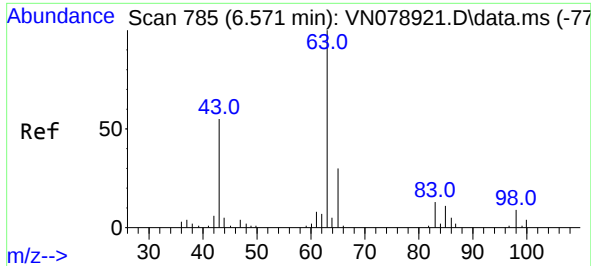
Tgt Ion: 96 Resp: 1857
Ion Ratio Lower Upper
96 100
61 41.6 126.2 189.4#
98 28.9 41.7 62.5#



#12
Methyl Acetate
Concen: 0.239 ug/l
RT: 5.024 min Scan# 522
Delta R.T. -0.006 min
Lab File: VN079104.D
Acq: 29 Aug 2023 19:20

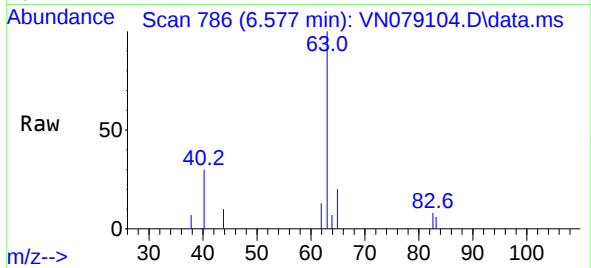
Tgt Ion: 43 Resp: 1013
Ion Ratio Lower Upper
43 100
74 0.0 17.5 26.3#



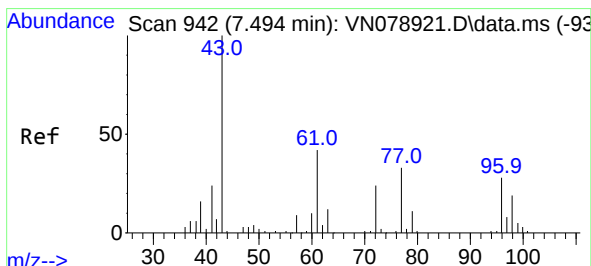
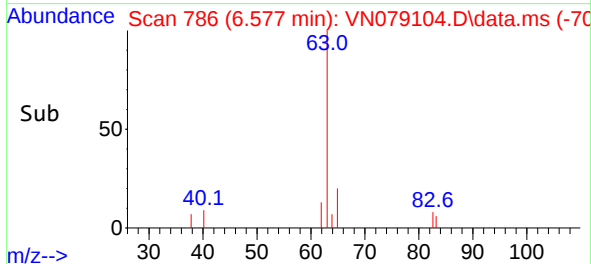
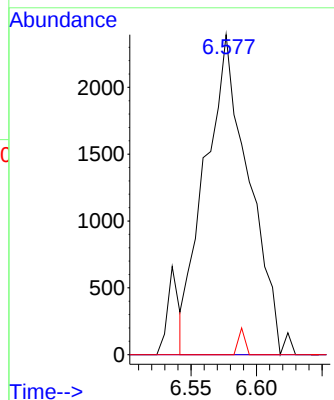


#21
1,1-Dichloroethane
Concen: 1.385 ug/l
RT: 6.577 min Scan# 785
Delta R.T. 0.006 min
Lab File: VN079104.D
Acq: 29 Aug 2023 19:20

Instrument :
MSVOA_N
ClientSampleId :

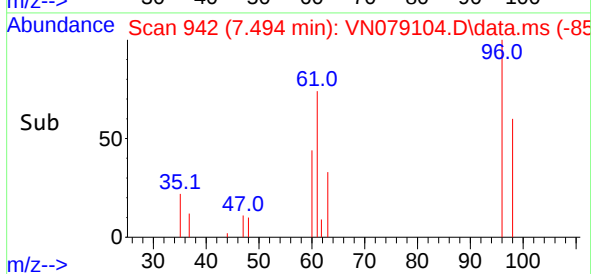
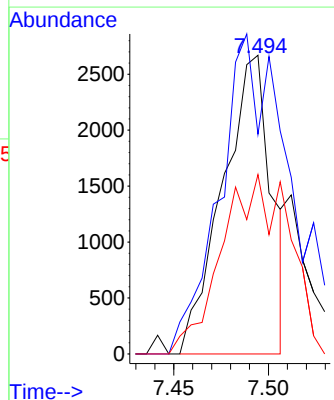
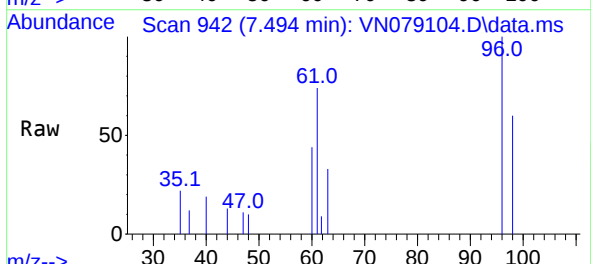


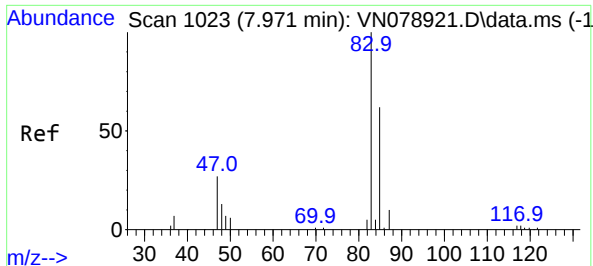
Tgt Ion: 63 Resp: 5529
Ion Ratio Lower Upper
63 100
98 0.0 4.4 13.2#
100 0.0 2.1 6.5#



#22
cis-1,2-Dichloroethene
Concen: 2.058 ug/l
RT: 7.494 min Scan# 942
Delta R.T. 0.000 min
Lab File: VN079104.D
Acq: 29 Aug 2023 19:20

Tgt Ion: 96 Resp: 4785
Ion Ratio Lower Upper
96 100
61 85.6 121.8 182.6#
98 57.5 50.7 76.1

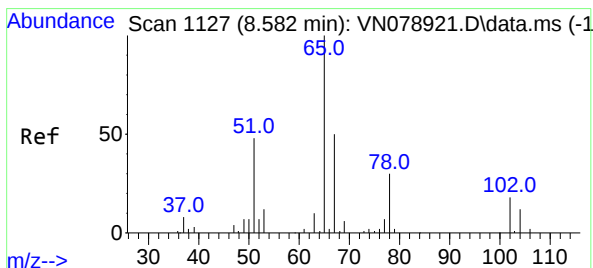
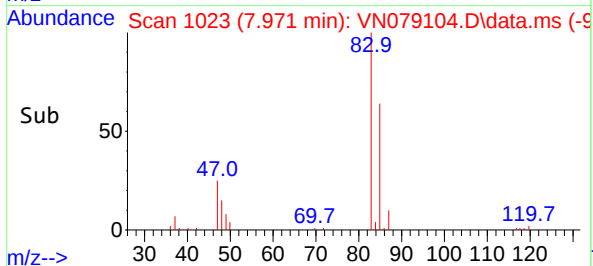
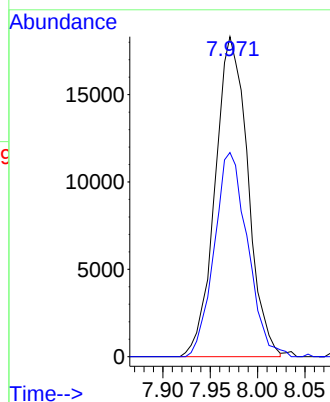
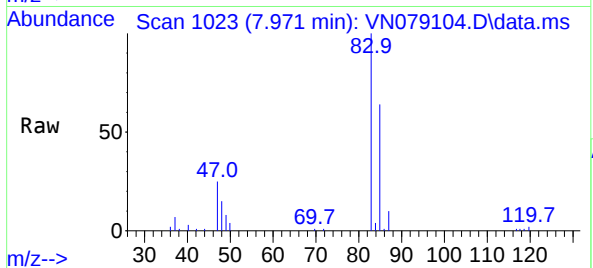




#25
Chloroform
Concen: 10.956 ug/l
RT: 7.971 min Scan# 1023
Delta R.T. 0.000 min
Lab File: VN079104.D
Acq: 29 Aug 2023 19:20

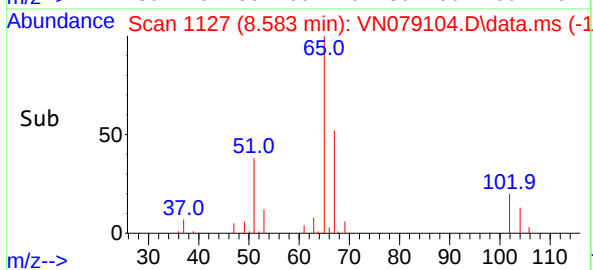
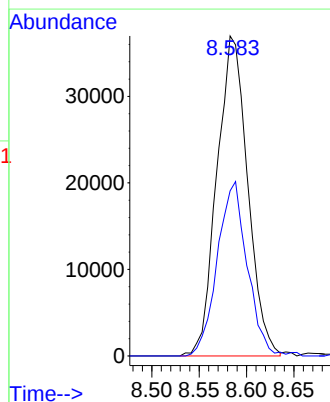
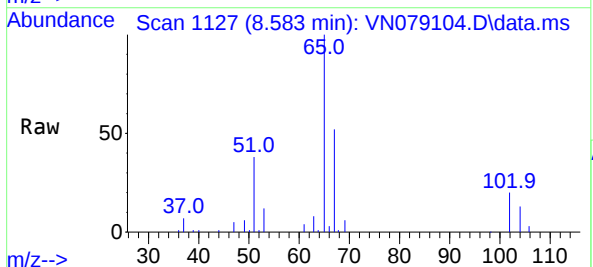
Instrument :
MSVOA_N
ClientSampleId :

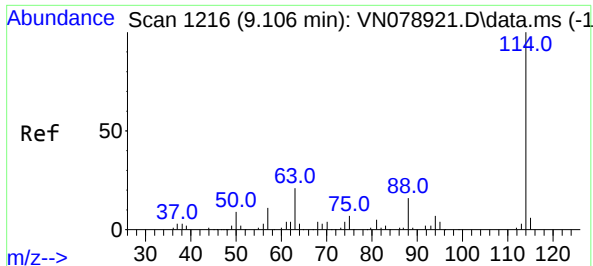
Tgt Ion: 83 Resp: 44069
Ion Ratio Lower Upper
83 100
85 63.8 49.6 74.4



#27
1,2-Dichloroethane-d4
Concen: 30.256 ug/l
RT: 8.583 min Scan# 1127
Delta R.T. 0.000 min
Lab File: VN079104.D
Acq: 29 Aug 2023 19:20

Tgt Ion: 65 Resp: 83522
Ion Ratio Lower Upper
65 100
67 52.8 40.7 61.1

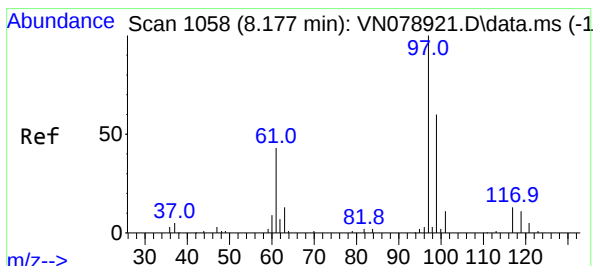
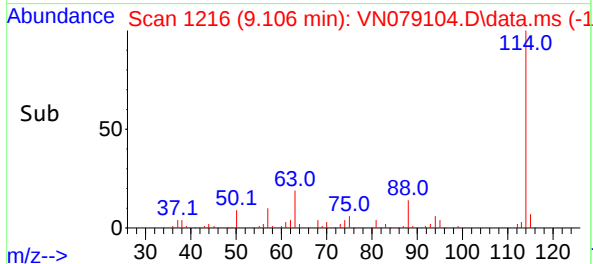
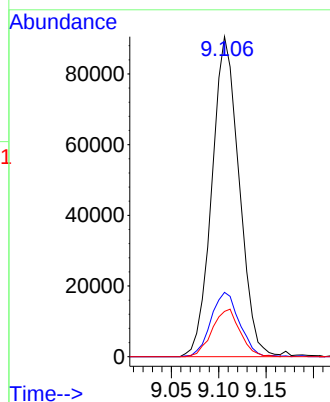
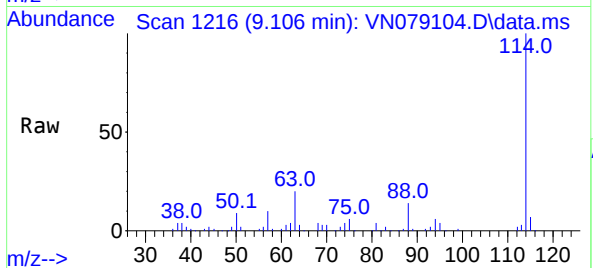




#28
1,4-Difluorobenzene
Concen: 30.000 ug/l
RT: 9.106 min Scan# 11
Delta R.T. 0.000 min
Lab File: VN079104.D
Acq: 29 Aug 2023 19:20

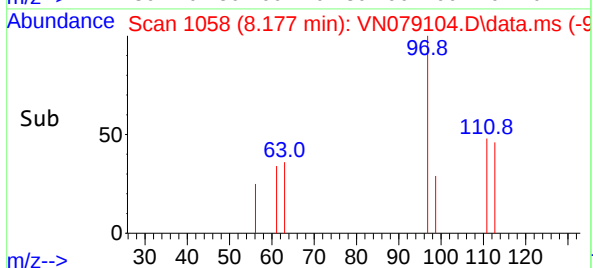
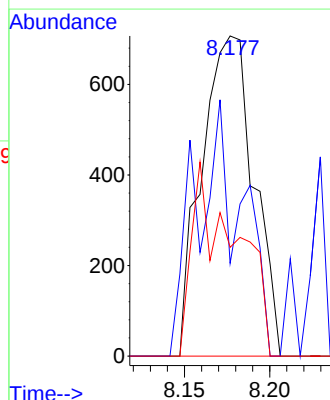
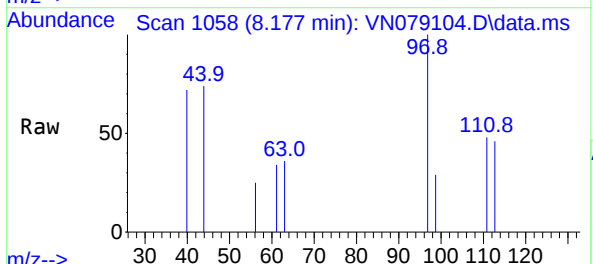
Instrument :
MSVOA_N
ClientSampleId :

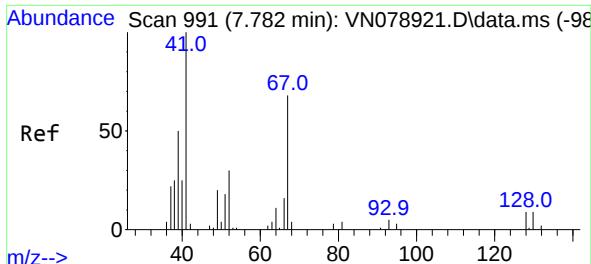
Tgt Ion:114 Resp: 181369
Ion Ratio Lower Upper
114 100
63 20.9 17.4 26.2
88 15.2 12.0 18.0



#32
1,1,1-Trichloroethane
Concen: 0.457 ug/l
RT: 8.177 min Scan# 1058
Delta R.T. 0.000 min
Lab File: VN079104.D
Acq: 29 Aug 2023 19:20

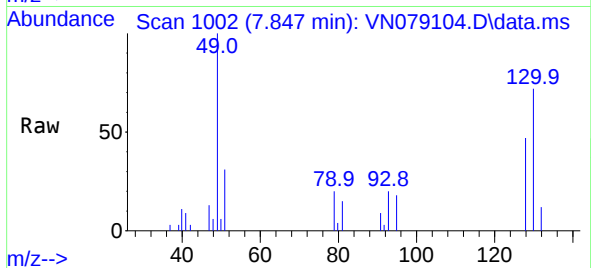
Tgt Ion: 97 Resp: 1506
Ion Ratio Lower Upper
97 100
99 26.2 52.0 78.0#
61 4.7 37.0 55.6#



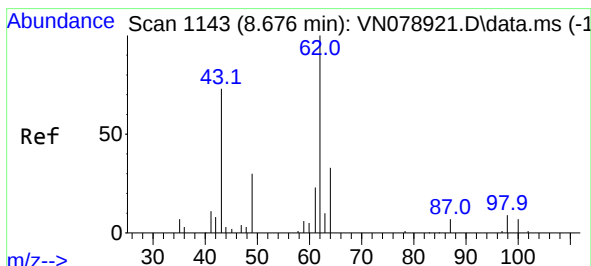
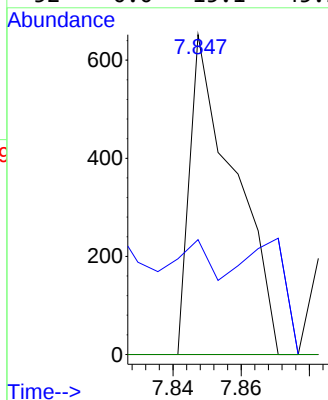
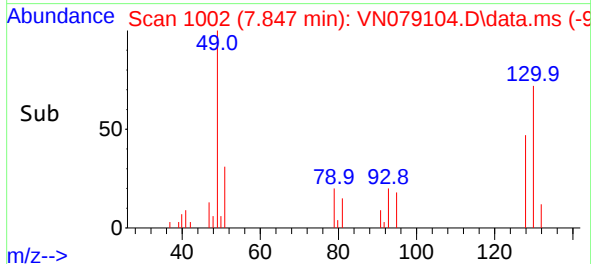


#35
Methacrylonitrile
Concen: 0.345 ug/l
RT: 7.847 min Scan# 1002
Delta R.T. 0.065 min
Lab File: VN079104.D
Acq: 29 Aug 2023 19:20

Instrument :
MSVOA_N
ClientSampleId :

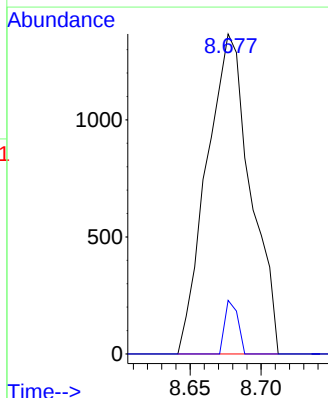
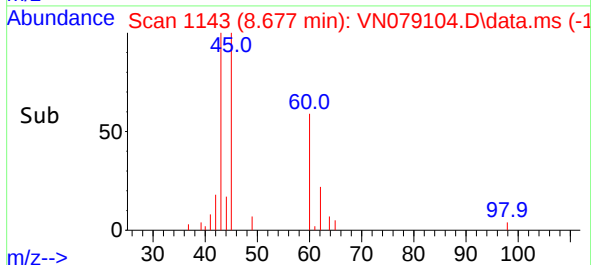
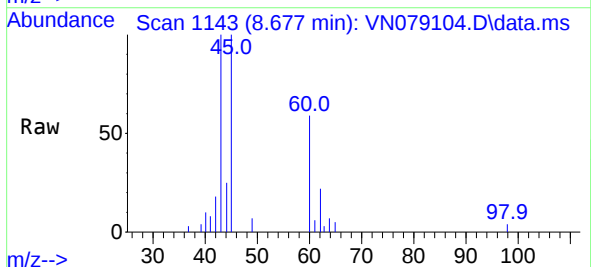


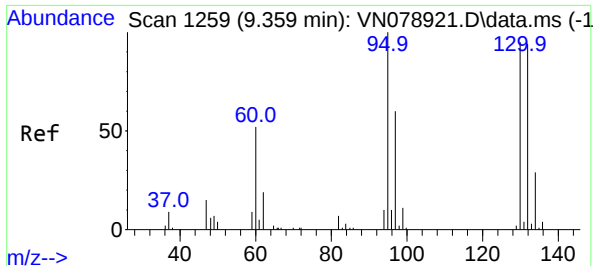
Tgt Ion: 41 Resp: 594
Ion Ratio Lower Upper
41 100
39 6.0 25.0 75.0#
67 0.0 34.0 102.0#
52 0.0 15.1 45.3#



#36
1,2-Dichloroethane
Concen: 0.949 ug/l
RT: 8.677 min Scan# 1143
Delta R.T. 0.000 min
Lab File: VN079104.D
Acq: 29 Aug 2023 19:20

Tgt Ion: 62 Resp: 2939
Ion Ratio Lower Upper
62 100
98 4.9 8.1 12.1#





#37

Trichloroethene

Concen: 2.095 ug/l

RT: 9.359 min Scan# 11

Delta R.T. 0.000 min

Lab File: VN079104.D

Acq: 29 Aug 2023 19:20

Instrument :

MSVOA_N

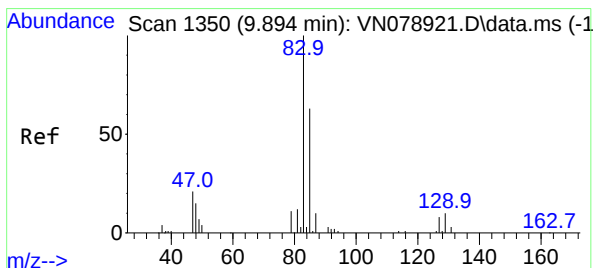
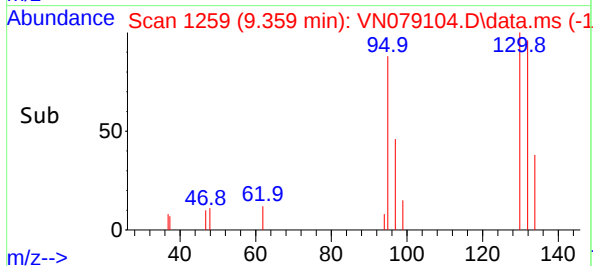
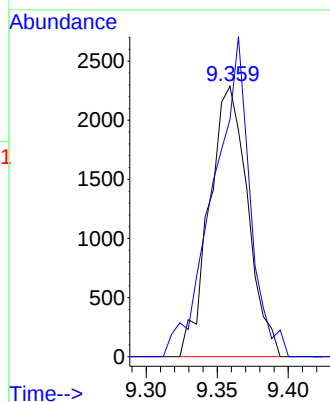
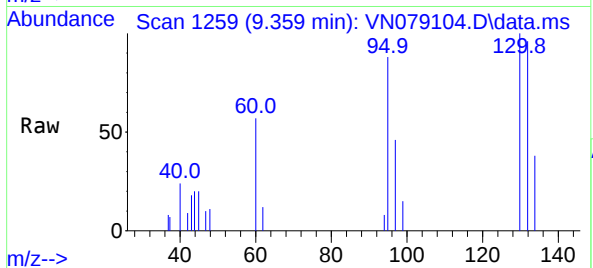
ClientSampleId :

Tgt Ion:130 Resp: 4311

Ion Ratio Lower Upper

130 100

95 77.8 84.6 127.0#



#41

Bromodichloromethane

Concen: 1.709 ug/l

RT: 9.894 min Scan# 1350

Delta R.T. 0.000 min

Lab File: VN079104.D

Acq: 29 Aug 2023 19:20

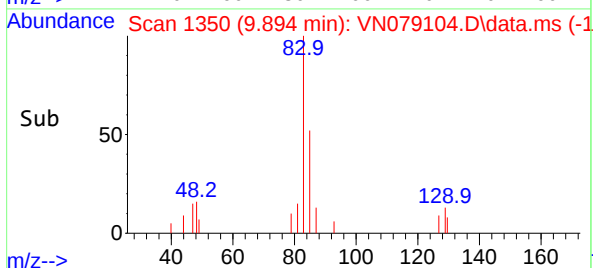
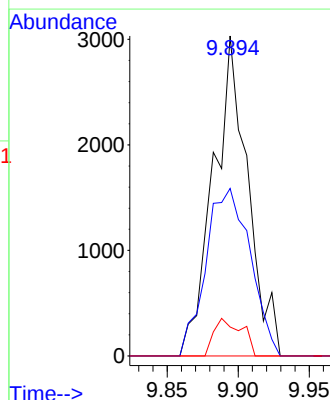
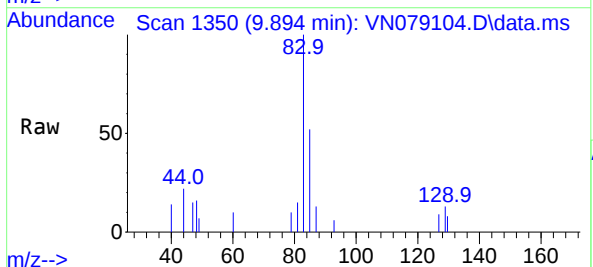
Tgt Ion: 83 Resp: 5130

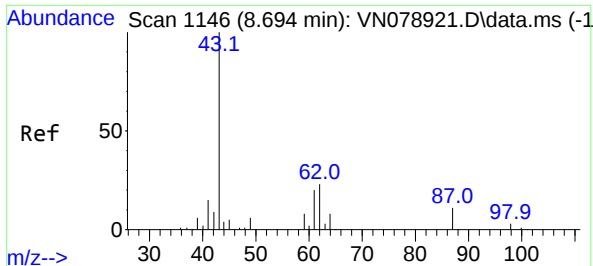
Ion Ratio Lower Upper

83 100

85 52.3 50.2 75.2

127 9.0 6.2 9.4

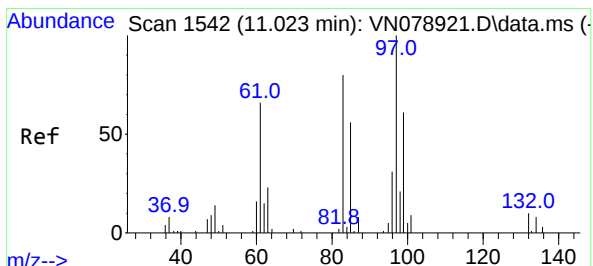
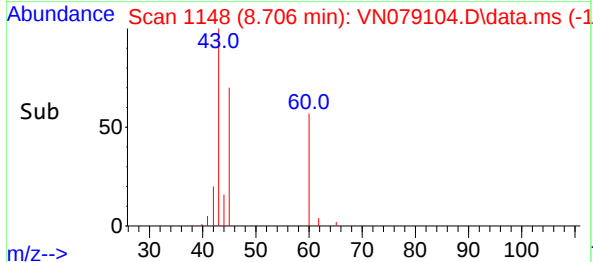
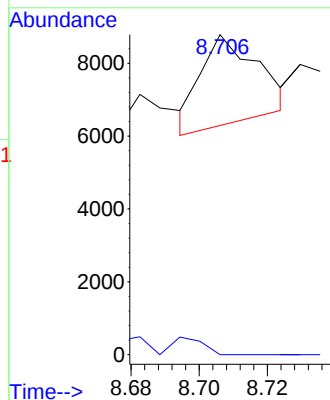
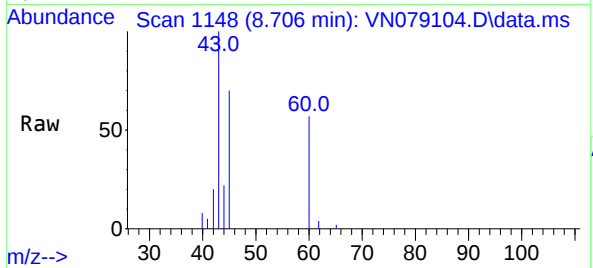




#44
Isopropyl Acetate
Concen: 0.523 ug/l
RT: 8.706 min Scan# 1146
Delta R.T. 0.012 min
Lab File: VN079104.D
Acq: 29 Aug 2023 19:20

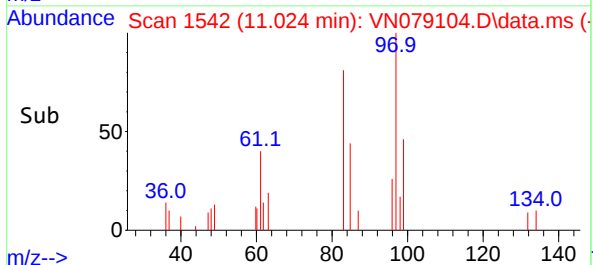
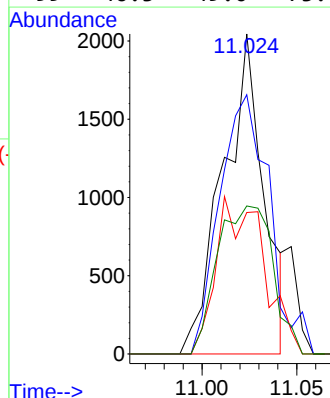
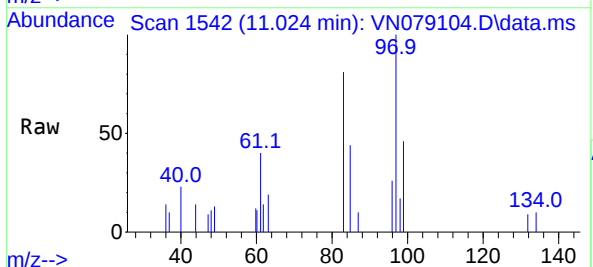
Instrument :
MSVOA_N
ClientSampleId :

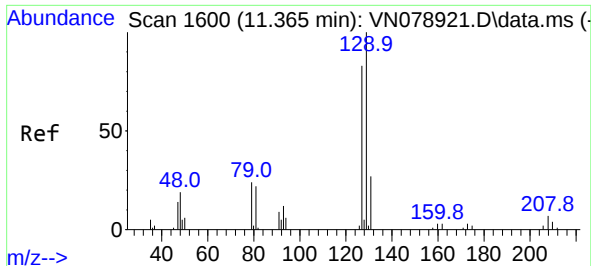
Tgt Ion: 43 Resp: 2887
Ion Ratio Lower Upper
43 100
61 10.4 19.0 28.4#



#50
1,1,2-Trichloroethane
Concen: 1.519 ug/l
RT: 11.024 min Scan# 1542
Delta R.T. 0.000 min
Lab File: VN079104.D
Acq: 29 Aug 2023 19:20

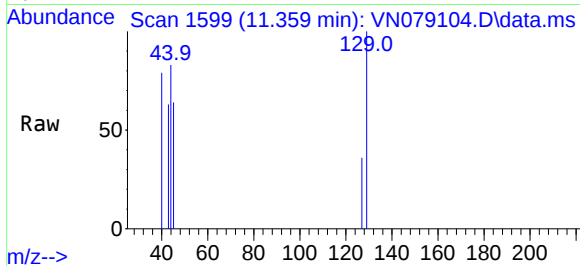
Tgt Ion: 97 Resp: 3065
Ion Ratio Lower Upper
97 100
83 81.0 63.7 95.5
85 44.2 44.9 67.3#
99 46.3 49.0 73.4#



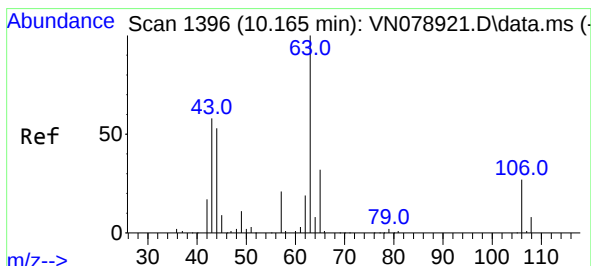
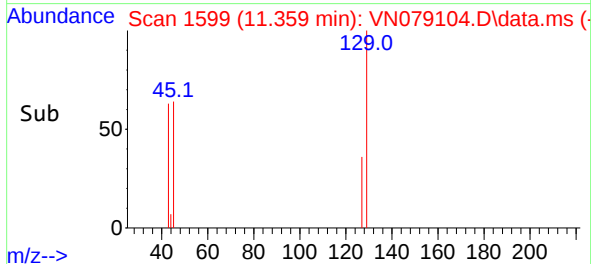
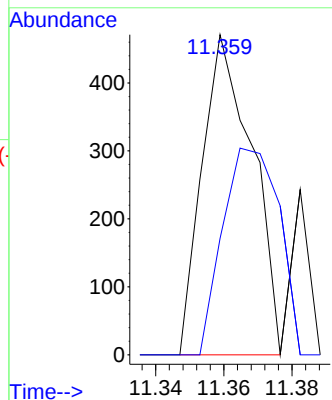


#53
Dibromochloromethane
Concen: 0.217 ug/l
RT: 11.359 min Scan# 11
Delta R.T. -0.006 min
Lab File: VN079104.D
Acq: 29 Aug 2023 19:20

Instrument :
MSVOA_N
ClientSampleId :

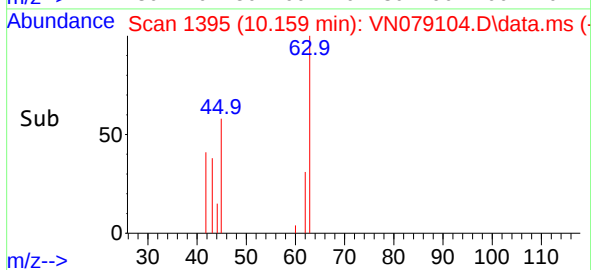
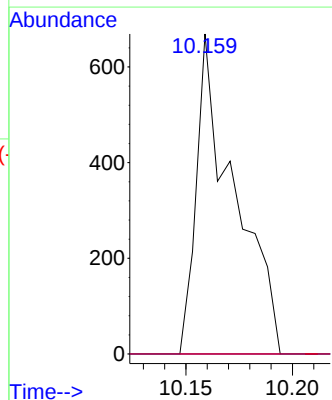
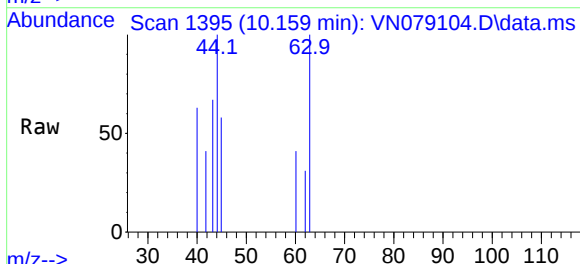


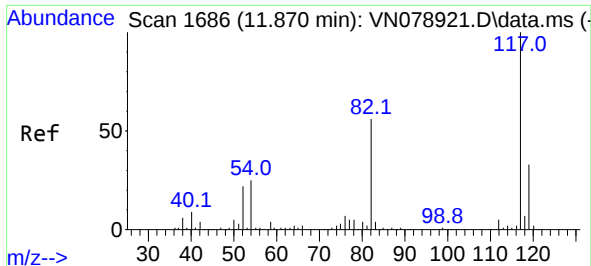
Tgt Ion:129 Resp: 479
Ion Ratio Lower Upper
129 100
127 72.9 40.1 120.2



#55
2-Chloroethyl vinyl ether
Concen: 0.573 ug/l
RT: 10.159 min Scan# 1395
Delta R.T. -0.006 min
Lab File: VN079104.D
Acq: 29 Aug 2023 19:20

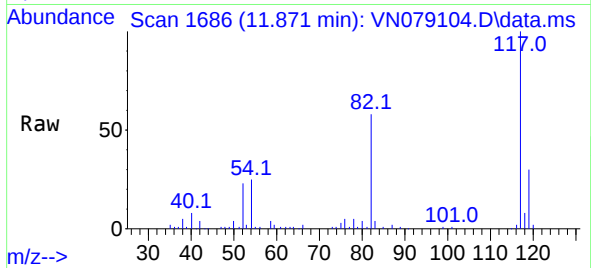
Tgt Ion: 63 Resp: 827
Ion Ratio Lower Upper
63 100
65 0.0 25.4 38.2#
106 0.0 22.3 33.5#



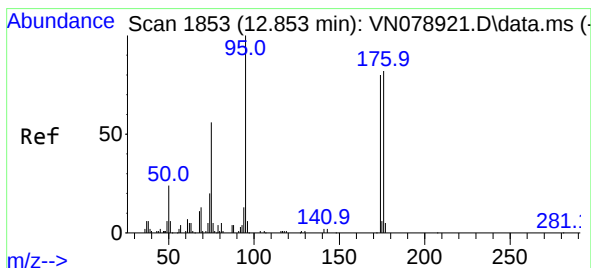
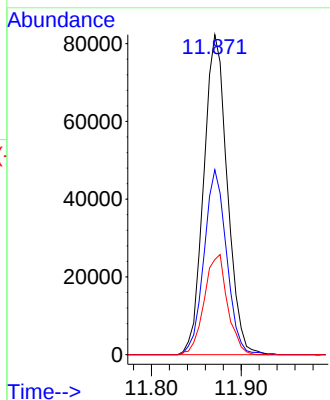
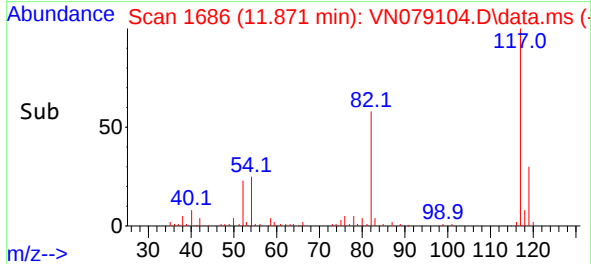


#57
Chlorobenzene-d5
Concen: 30.000 ug/l
RT: 11.871 min Scan# 117
Delta R.T. 0.000 min
Lab File: VN079104.D
Acq: 29 Aug 2023 19:20

Instrument :
MSVOA_N
ClientSampleId :

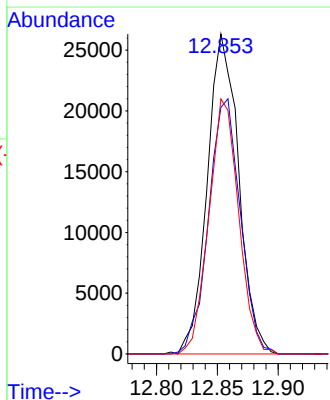
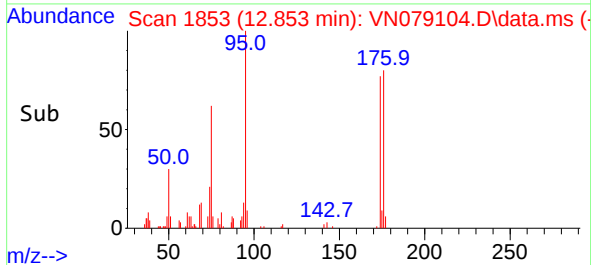
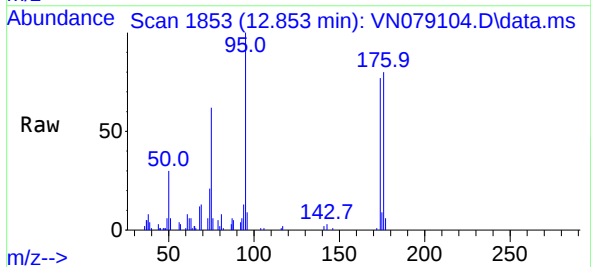


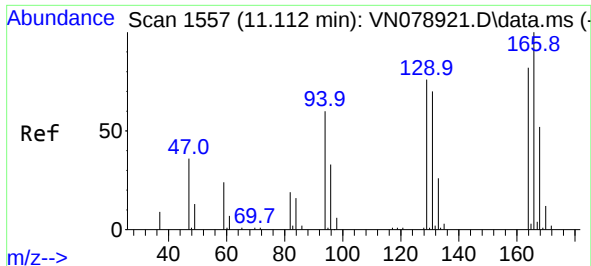
Tgt Ion:117 Resp: 149972
Ion Ratio Lower Upper
117 100
82 55.4 43.4 65.0
119 30.9 25.5 38.3



#60
4-Bromofluorobenzene
Concen: 21.580 ug/l
RT: 12.853 min Scan# 1853
Delta R.T. 0.000 min
Lab File: VN079104.D
Acq: 29 Aug 2023 19:20

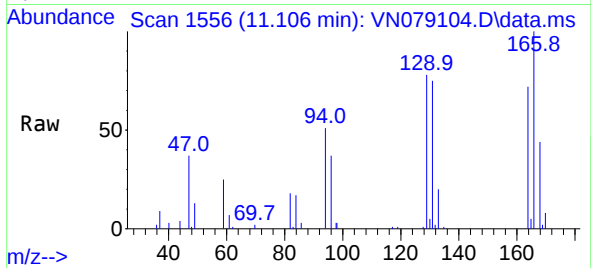
Tgt Ion: 95 Resp: 47210
Ion Ratio Lower Upper
95 100
174 80.7 64.8 97.2
176 75.9 63.0 94.6



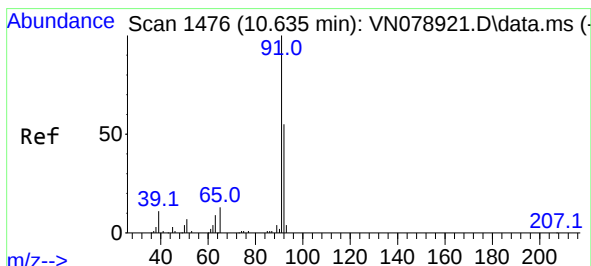
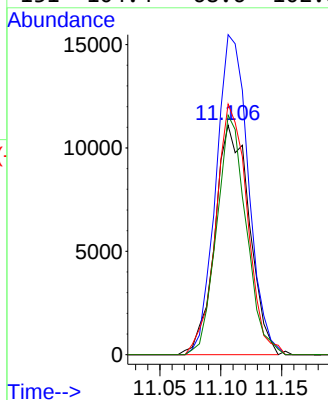
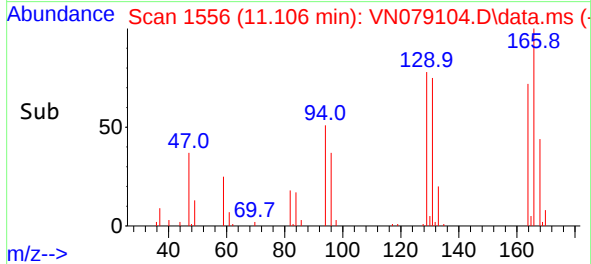


#61
Tetrachloroethene
Concen: 15.033 ug/l
RT: 11.106 min Scan# 11
Delta R.T. -0.006 min
Lab File: VN079104.D
Acq: 29 Aug 2023 19:20

Instrument :
MSVOA_N
ClientSampleId :

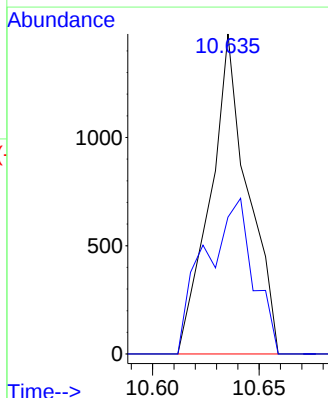
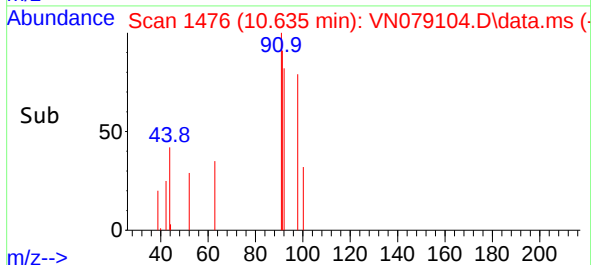
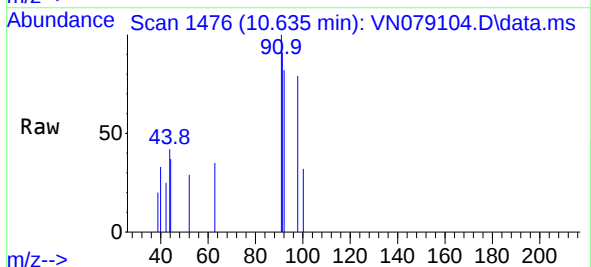


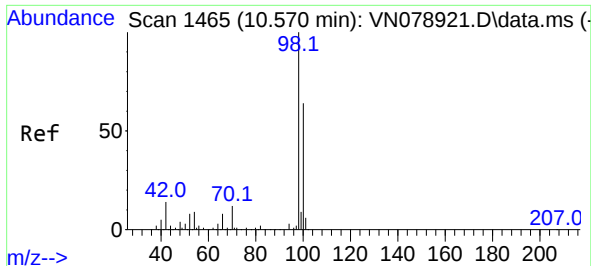
Tgt Ion:164 Resp: 21830
Ion Ratio Lower Upper
164 100
166 139.5 97.6 146.4
129 109.2 74.1 111.1
131 104.4 68.6 102.8#



#62
Toluene
Concen: 0.222 ug/l
RT: 10.635 min Scan# 1476
Delta R.T. 0.000 min
Lab File: VN079104.D
Acq: 29 Aug 2023 19:20

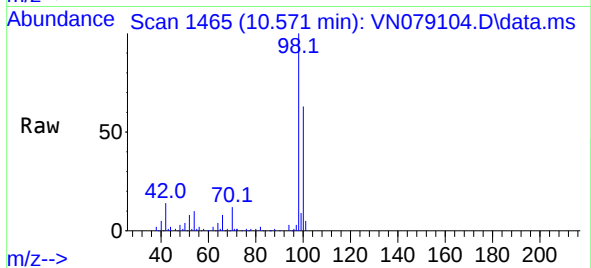
Tgt Ion: 91 Resp: 1815
Ion Ratio Lower Upper
91 100
92 37.7 44.7 67.1#



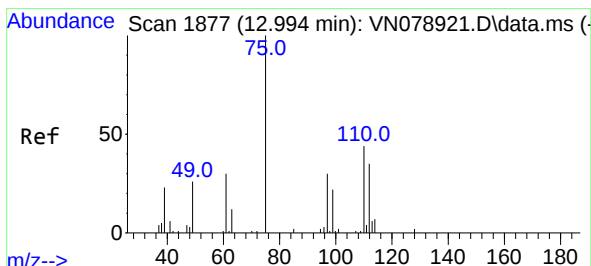
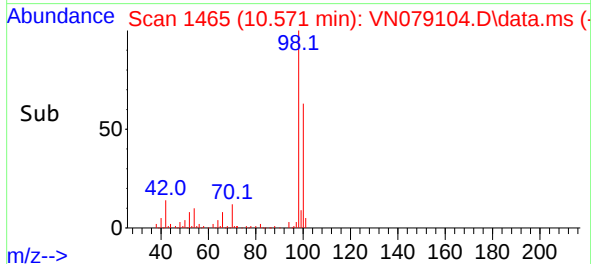
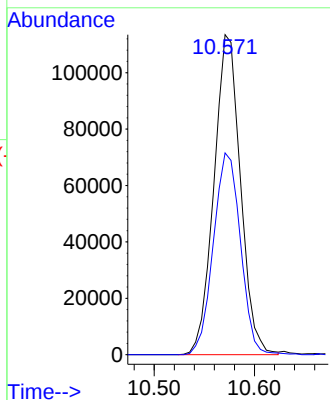


#63
Toluene-d8
Concen: 29.819 ug/l
RT: 10.571 min Scan# 1465
Delta R.T. 0.000 min
Lab File: VN079104.D
Acq: 29 Aug 2023 19:20

Instrument :
MSVOA_N
ClientSampleId :

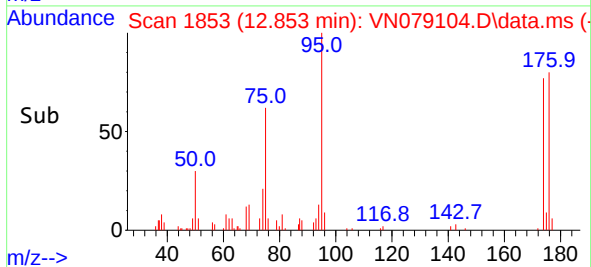
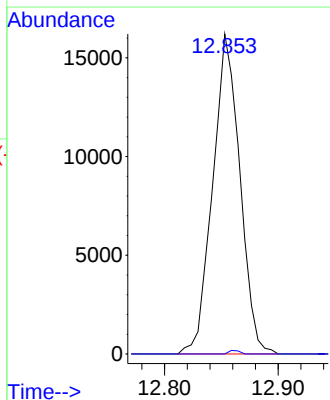
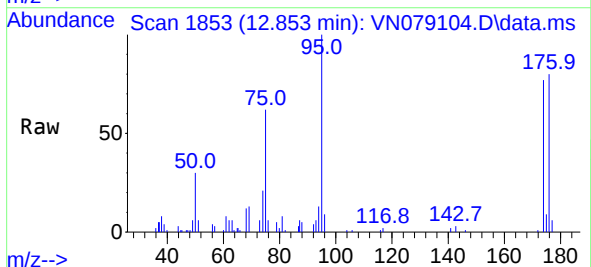


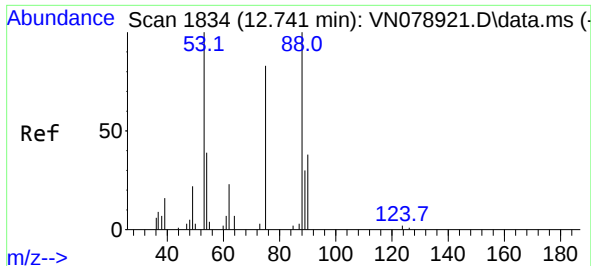
Tgt Ion: 98 Resp: 208836
Ion Ratio Lower Upper
98 100
100 64.3 51.1 76.7



#72
1,2,3-Trichloropropane
Concen: 11.485 ug/l
RT: 12.853 min Scan# 1853
Delta R.T. -0.141 min
Lab File: VN079104.D
Acq: 29 Aug 2023 19:20

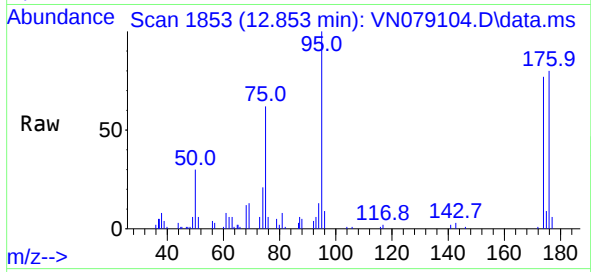
Tgt Ion: 75 Resp: 26945
Ion Ratio Lower Upper
75 100
77 0.4 0.0 367.4





#77
t-1,4-Dichloro-2-butene
Concen: 30.904 ug/l
RT: 12.853 min Scan# 11
Delta R.T. 0.112 min
Lab File: VN079104.D
Acq: 29 Aug 2023 19:20

Instrument :
MSVOA_N
ClientSampleId :



Tgt Ion: 75 Resp: 26945
Ion Ratio Lower Upper
75 100
53 0.0 60.1 180.3#
89 0.0 22.9 68.8#

