

Data Path : Z:\voasrv\HPCHEM1\MSVOA_N\Data\VN082923\
 Data File : VN079105.D
 Acq On : 29 Aug 2023 19:44
 Operator : JC\MD
 Sample : 04226-01
 Misc : 5.0mL/MSVOA_N/WATER
 ALS Vial : 26 Sample Multiplier: 1

Instrument :
 MSVOA_N
 ClientSampleId :

Quant Time: Aug 30 01:15:56 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)

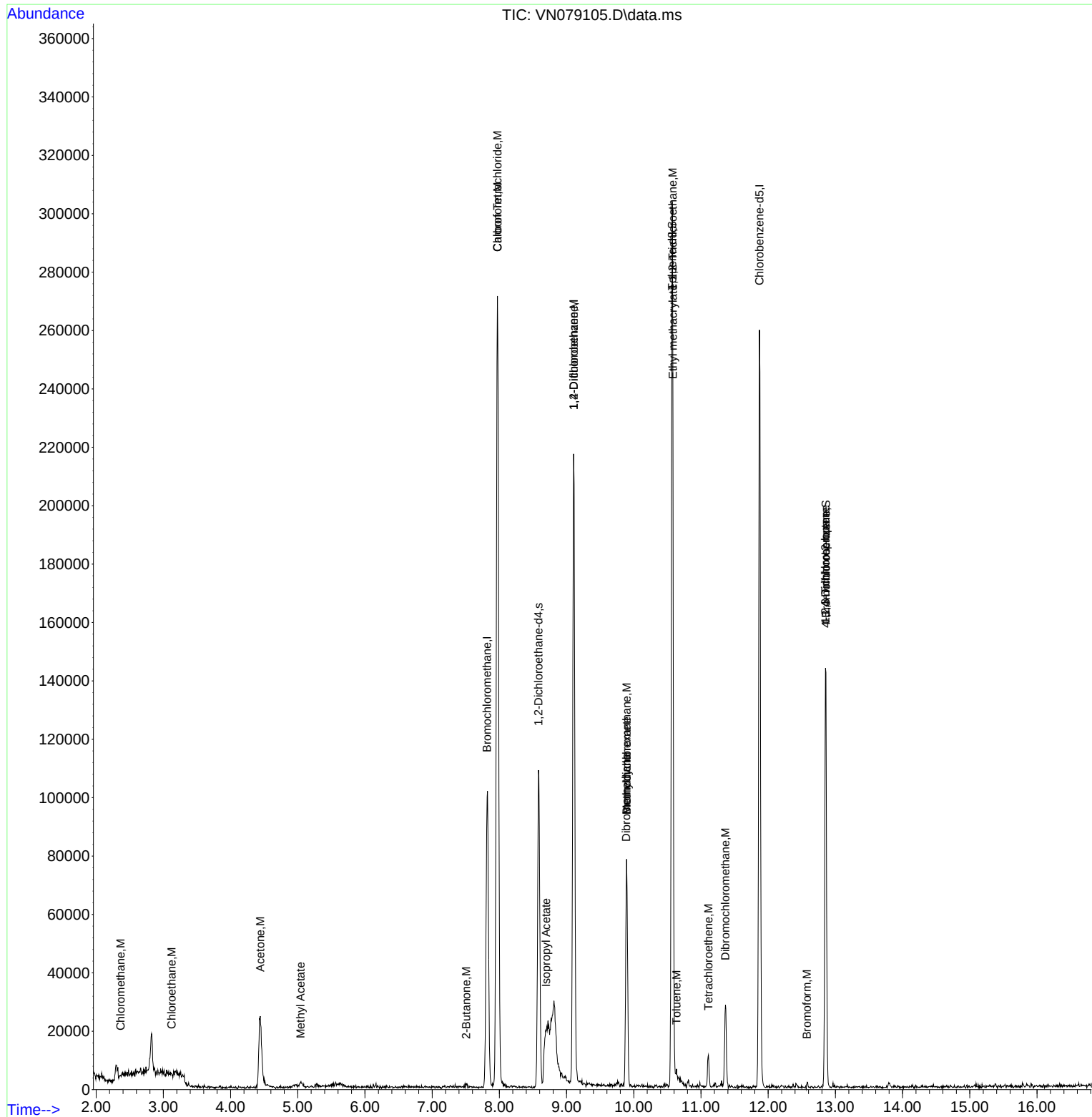
Internal Standards						
1) Bromochloromethane	7.818	128	32526	30.000	ug/l	0.00
28) 1,4-Difluorobenzene	9.106	114	181749	30.000	ug/l	0.00
57) Chlorobenzene-d5	11.870	117	148634	30.000	ug/l	0.00
System Monitoring Compounds						
27) 1,2-Dichloroethane-d4	8.582	65	86433	32.801	ug/l	0.00
Spiked Amount	30.000	Range	91 - 110	Recovery	=	109.333%
60) 4-Bromofluorobenzene	12.859	95	47178	21.760	ug/l	0.00
Spiked Amount	30.000	Range	63 - 112	Recovery	=	72.533%
63) Toluene-d8	10.570	98	207316	29.868	ug/l	0.00
Spiked Amount	30.000	Range	91 - 112	Recovery	=	99.567%
Target Compounds						
					Qvalue	
3) Chloromethane	2.365	50	597	0.243	ug/l #	44
6) Chloroethane	3.124	64	745	0.471	ug/l #	44
12) Methyl Acetate	5.041	43	2297	0.569	ug/l #	67
15) Acetone	4.441	58	12485	38.340	ug/l	81
25) Chloroform	7.971	83	253783	66.093	ug/l	95
30) 2-Butanone	7.506	43	1439	0.889	ug/l #	87
33) Carbon Tetrachloride	7.971	117	2402	0.840	ug/l #	76
36) 1,2-Dichloroethane	9.106	62	7224	2.328	ug/l #	73
38) Methylcyclohexane	9.894	83	51572	21.187	ug/l #	16
40) Dibromomethane	9.888	93	1768	1.182	ug/l #	5
41) Bromodichloromethane	9.894	83	51572	17.142	ug/l	100
44) Isopropyl Acetate	8.694	43	15584	2.817	ug/l #	54
50) 1,1,2-Trichloroethane	10.576	97	6964	3.445	ug/l #	1
51) Ethyl methacrylate	10.582	69	941	0.301	ug/l #	43
53) Dibromochloromethane	11.365	129	15009	6.783	ug/l	92
56) Bromoform	12.576	173	378	0.242	ug/l #	68
61) Tetrachloroethene	11.112	164	1695	1.178	ug/l #	70
62) Toluene	10.635	91	2083	0.257	ug/l #	61
72) 1,2,3-Trichloropropane	12.853	75	27917	12.006	ug/l #	1
77) t-1,4-Dichloro-2-butene	12.853	75	27917	32.307	ug/l #	3

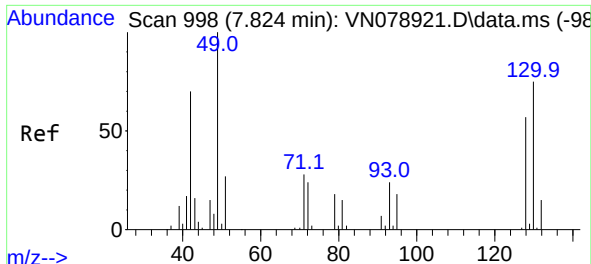
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Data Path : Z:\voasrv\HPCHEM1\MSVOA_N\Data\VN082923\
Data File : VN079105.D
Acq On : 29 Aug 2023 19:44
Operator : JC\MD
Sample : 04226-01
Misc : 5.0mL/MSVOA_N/WATER
ALS Vial : 26 Sample Multiplier: 1

Instrument :
MSVOA_N
ClientSampleId :

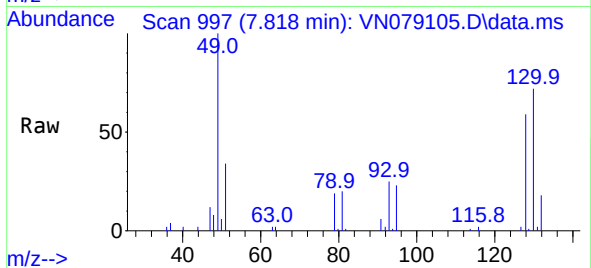
Quant Time: Aug 30 01:15:56 2023
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_N\methods\624N081723W.M
Quant Title : METHOD 624 VOLATILE ORGANIC ANALYSIS
QLast Update : Fri Aug 18 05:21:14 2023
Response via : Initial Calibration



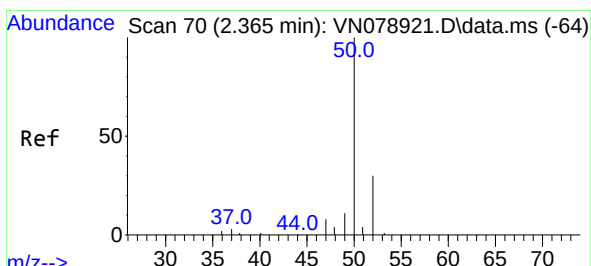
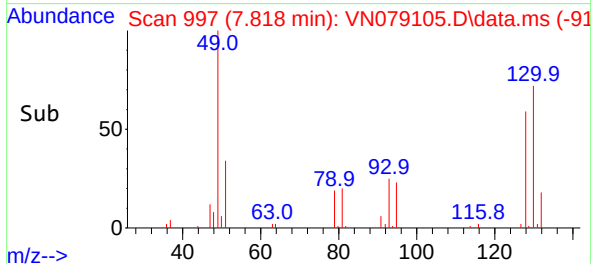
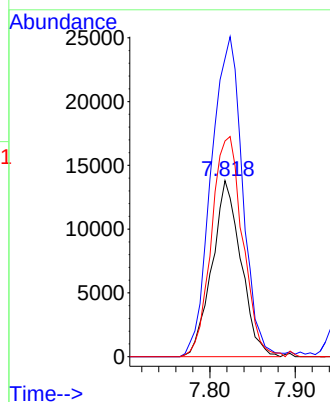


#1
Bromochloromethane
Concen: 30.000 ug/l
RT: 7.818 min Scan# 91
Delta R.T. -0.006 min
Lab File: VN079105.D
Acq: 29 Aug 2023 19:44

Instrument :
MSVOA_N
ClientSampleId :

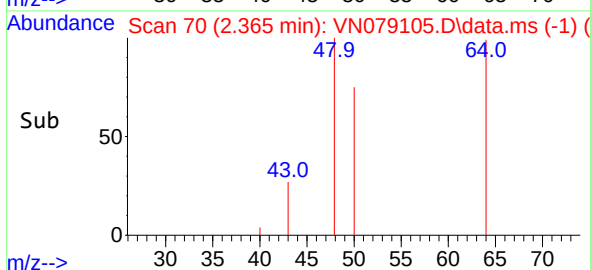
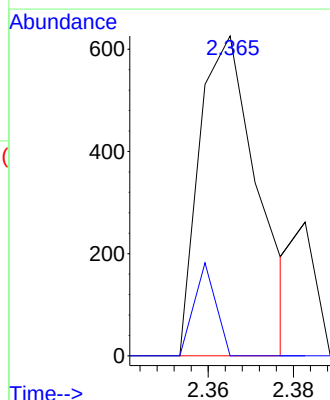
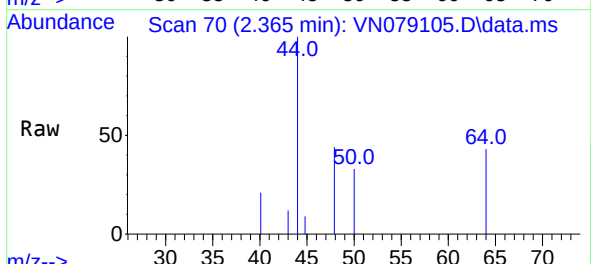


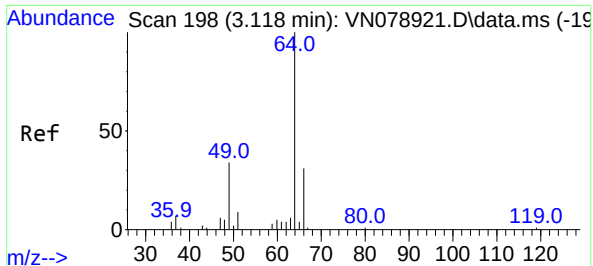
Tgt Ion:128 Resp: 32526
Ion Ratio Lower Upper
128 100
49 197.1 0.0 481.8
130 135.0 0.0 320.5



#3
Chloromethane
Concen: 0.243 ug/l
RT: 2.365 min Scan# 70
Delta R.T. -0.000 min
Lab File: VN079105.D
Acq: 29 Aug 2023 19:44

Tgt Ion: 50 Resp: 597
Ion Ratio Lower Upper
50 100
52 0.0 24.2 36.4#

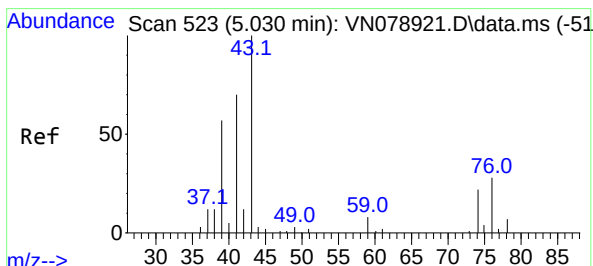
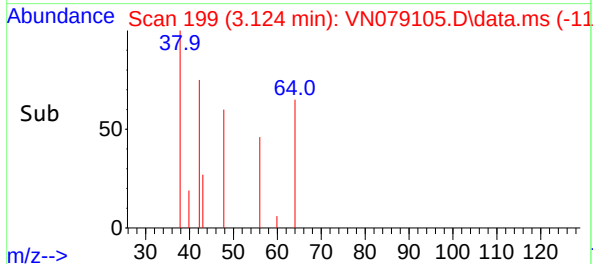
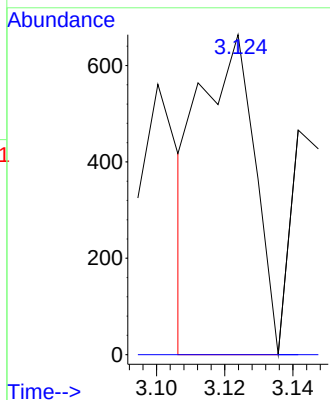
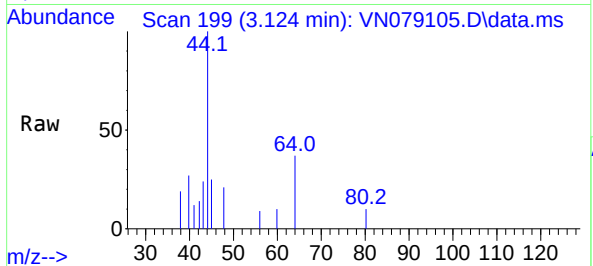




#6
Chloroethane
Concen: 0.471 ug/l
RT: 3.124 min Scan# 19
Delta R.T. 0.006 min
Lab File: VN079105.D
Acq: 29 Aug 2023 19:44

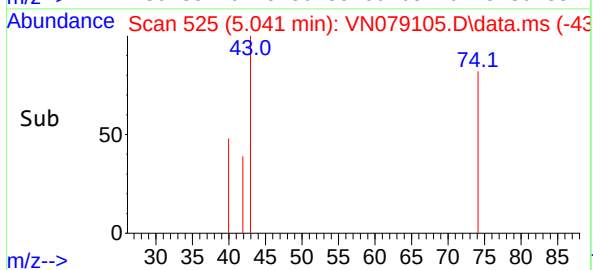
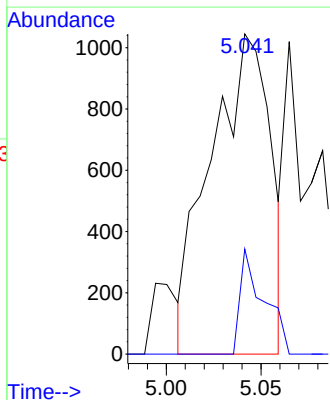
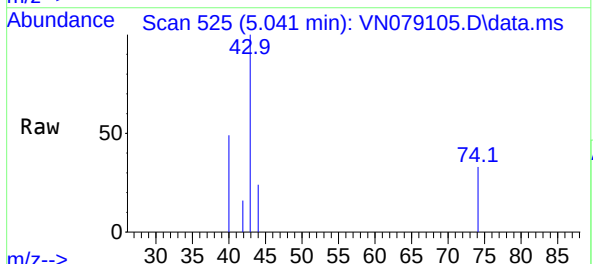
Instrument :
MSVOA_N
ClientSampleId :

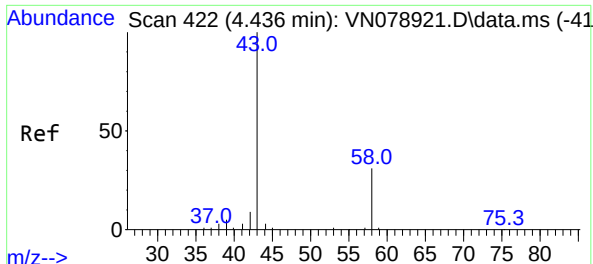
Tgt Ion: 64 Resp: 745
Ion Ratio Lower Upper
64 100
66 0.0 24.9 37.3#



#12
Methyl Acetate
Concen: 0.569 ug/l
RT: 5.041 min Scan# 525
Delta R.T. 0.012 min
Lab File: VN079105.D
Acq: 29 Aug 2023 19:44

Tgt Ion: 43 Resp: 2297
Ion Ratio Lower Upper
43 100
74 37.5 17.5 26.3#

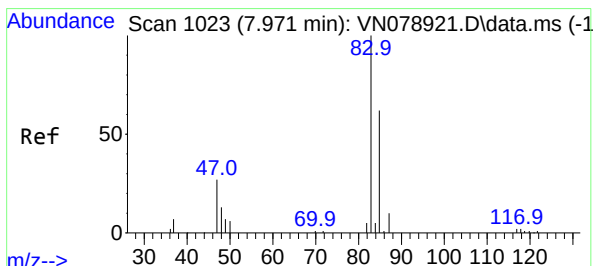
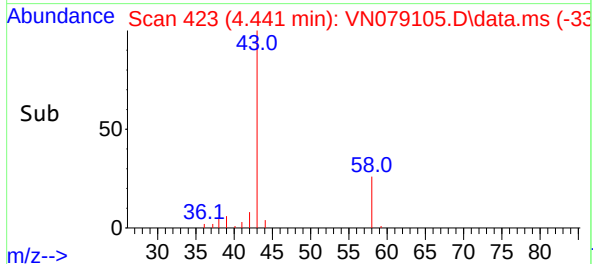
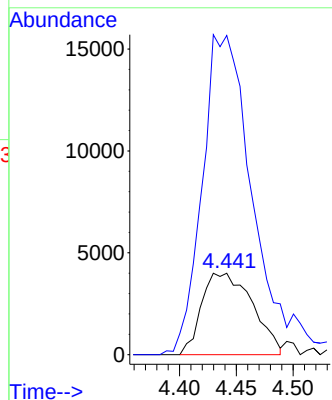
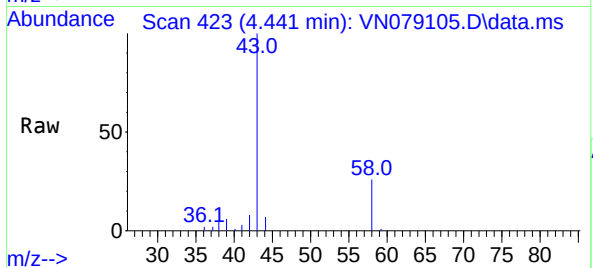




#15
Acetone
Concen: 38.340 ug/l
RT: 4.441 min Scan# 41
Delta R.T. 0.006 min
Lab File: VN079105.D
Acq: 29 Aug 2023 19:44

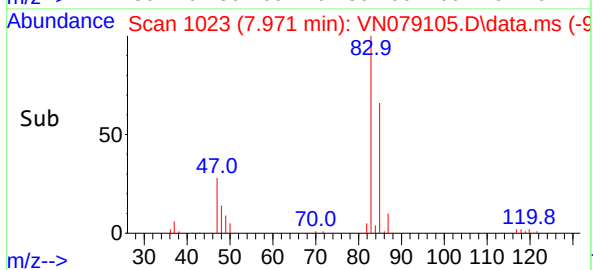
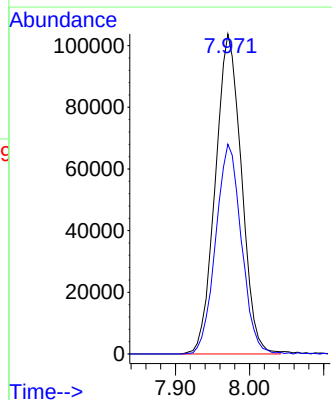
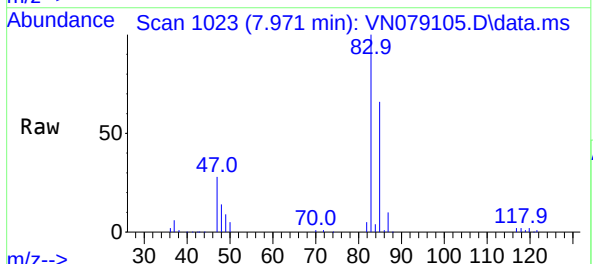
Instrument :
MSVOA_N
ClientSampleId :

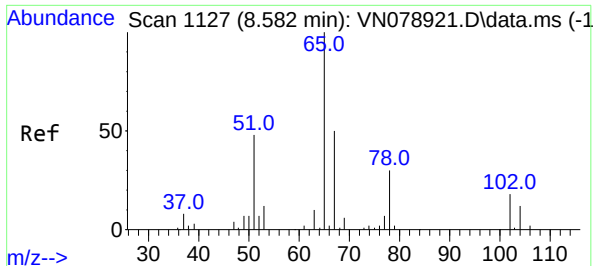
Tgt Ion: 58 Resp: 12485
Ion Ratio Lower Upper
58 100
43 365.6 260.6 390.8



#25
Chloroform
Concen: 66.093 ug/l
RT: 7.971 min Scan# 1023
Delta R.T. -0.000 min
Lab File: VN079105.D
Acq: 29 Aug 2023 19:44

Tgt Ion: 83 Resp: 253783
Ion Ratio Lower Upper
83 100
85 65.5 49.6 74.4

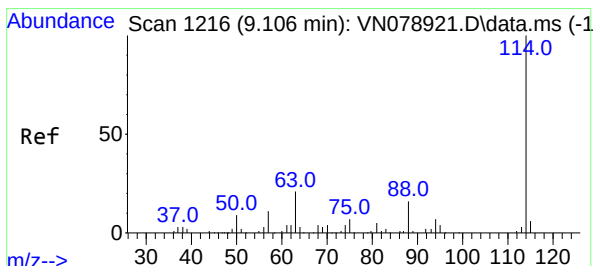
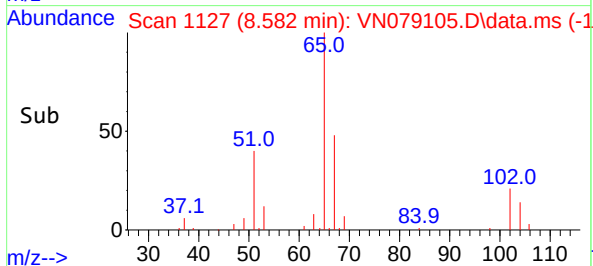
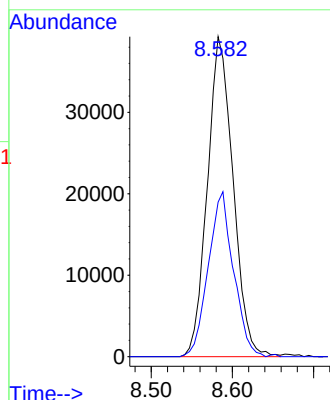
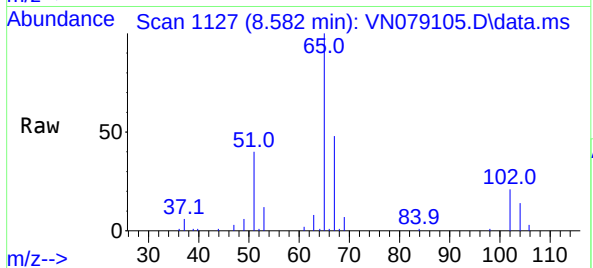




#27
1,2-Dichloroethane-d4
Concen: 32.801 ug/l
RT: 8.582 min Scan# 1127
Delta R.T. 0.000 min
Lab File: VN079105.D
Acq: 29 Aug 2023 19:44

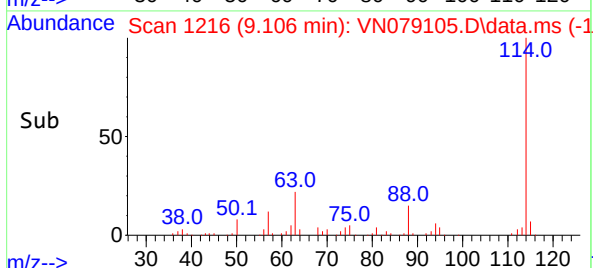
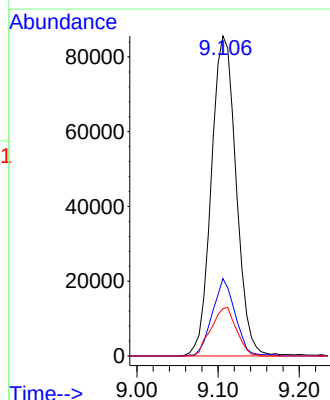
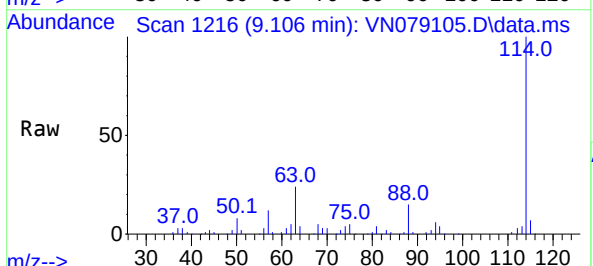
Instrument :
MSVOA_N
ClientSampleId :

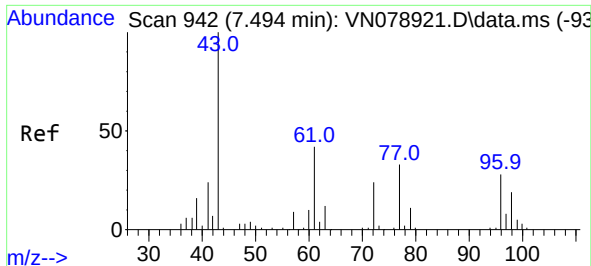
Tgt Ion: 65 Resp: 86433
Ion Ratio Lower Upper
65 100
67 50.5 40.7 61.1



#28
1,4-Difluorobenzene
Concen: 30.000 ug/l
RT: 9.106 min Scan# 1216
Delta R.T. -0.000 min
Lab File: VN079105.D
Acq: 29 Aug 2023 19:44

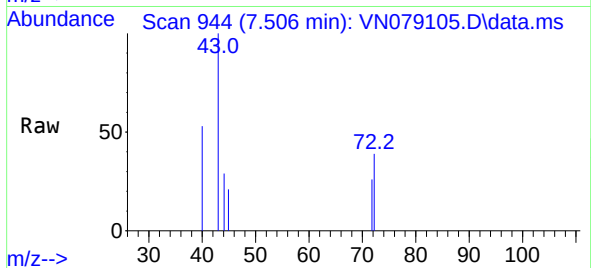
Tgt Ion: 114 Resp: 181749
Ion Ratio Lower Upper
114 100
63 22.1 17.4 26.2
88 15.5 12.0 18.0



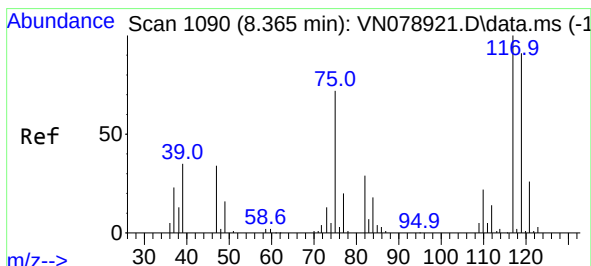
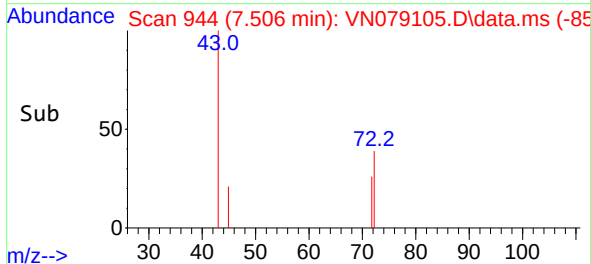
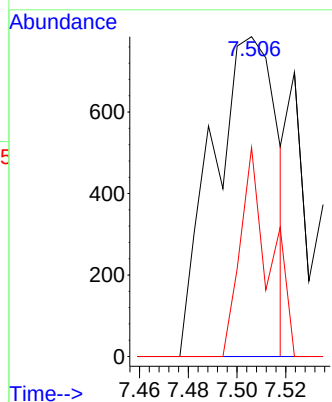


#30
2-Butanone
Concen: 0.889 ug/l
RT: 7.506 min Scan# 94
Delta R.T. 0.012 min
Lab File: VN079105.D
Acq: 29 Aug 2023 19:44

Instrument :
MSVOA_N
ClientSampleId :

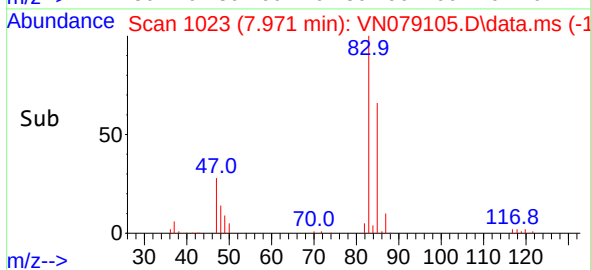
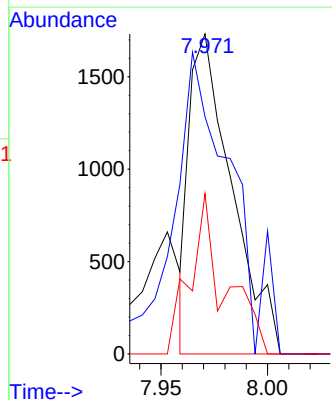
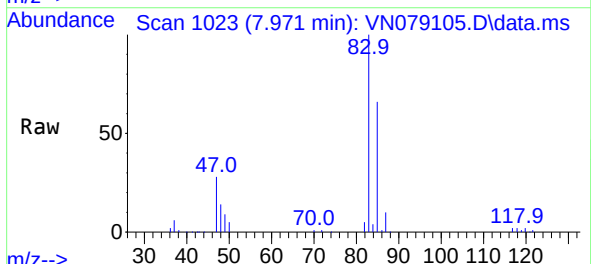


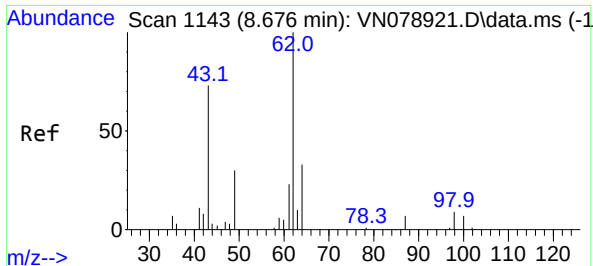
Tgt Ion: 43 Resp: 1439
Ion Ratio Lower Upper
43 100
57 0.0 6.2 9.4#
72 29.6 19.4 29.2#



#33
Carbon Tetrachloride
Concen: 0.840 ug/l
RT: 7.971 min Scan# 1023
Delta R.T. -0.394 min
Lab File: VN079105.D
Acq: 29 Aug 2023 19:44

Tgt Ion: 117 Resp: 2402
Ion Ratio Lower Upper
117 100
119 74.1 72.6 108.8
121 50.1 20.7 31.1#

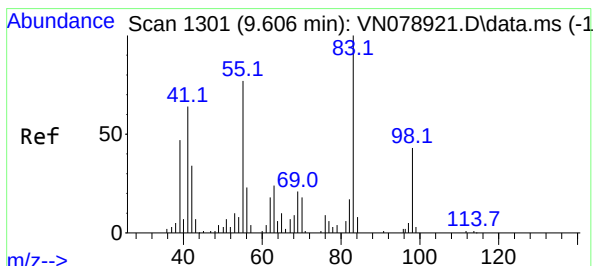
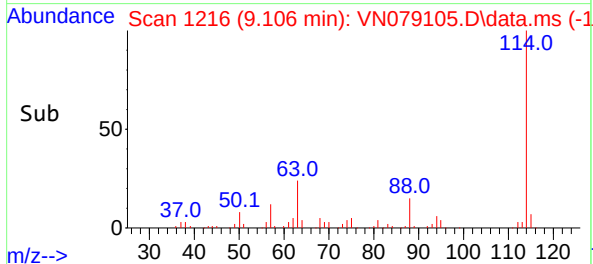
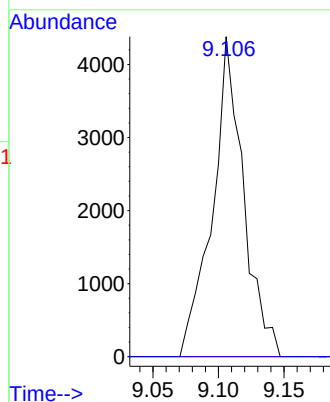
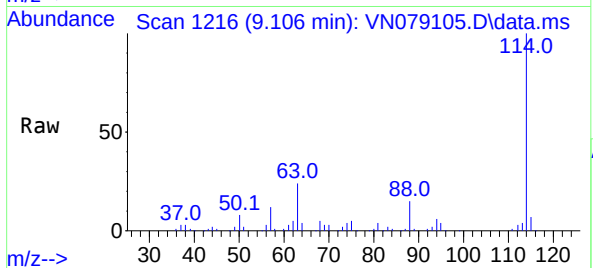




#36
1,2-Dichloroethane
Concen: 2.328 ug/l
RT: 9.106 min Scan# 1143
Delta R.T. 0.429 min
Lab File: VN079105.D
Acq: 29 Aug 2023 19:44

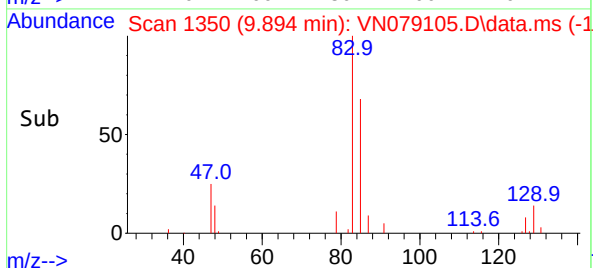
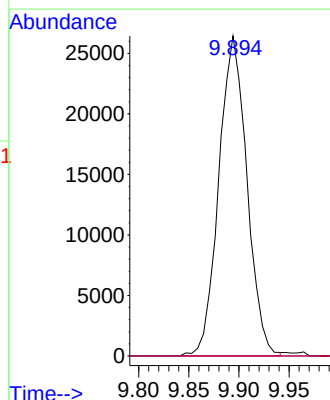
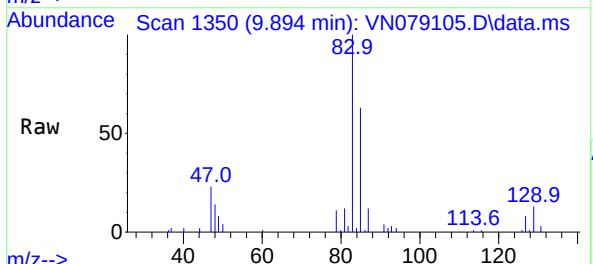
Instrument :
MSVOA_N
ClientSampleId :

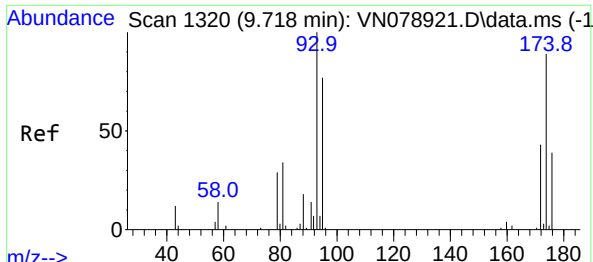
Tgt Ion: 62 Resp: 7224
Ion Ratio Lower Upper
62 100
98 0.0 8.1 12.1#



#38
Methylcyclohexane
Concen: 21.187 ug/l
RT: 9.894 min Scan# 1350
Delta R.T. 0.288 min
Lab File: VN079105.D
Acq: 29 Aug 2023 19:44

Tgt Ion: 83 Resp: 51572
Ion Ratio Lower Upper
83 100
55 0.0 40.2 120.6#
98 0.0 24.1 72.3#

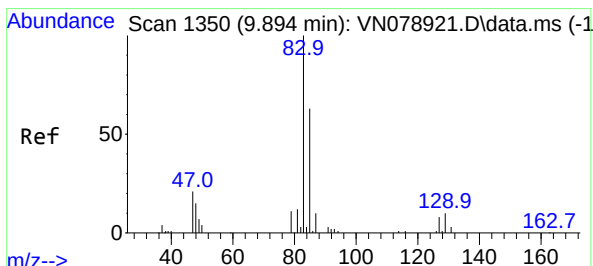
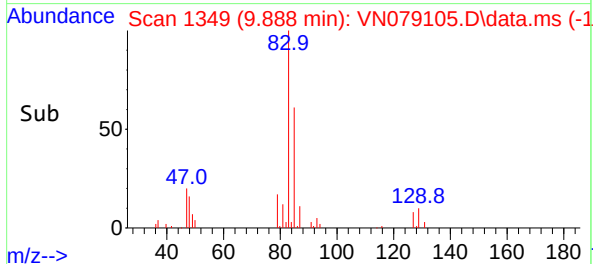
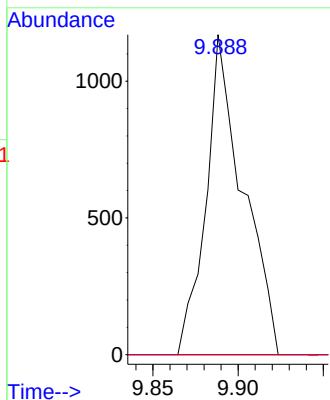
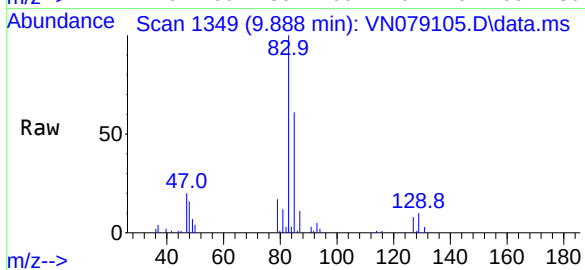




#40
Dibromomethane
Concen: 1.182 ug/l
RT: 9.888 min Scan# 11
Delta R.T. 0.171 min
Lab File: VN079105.D
Acq: 29 Aug 2023 19:44

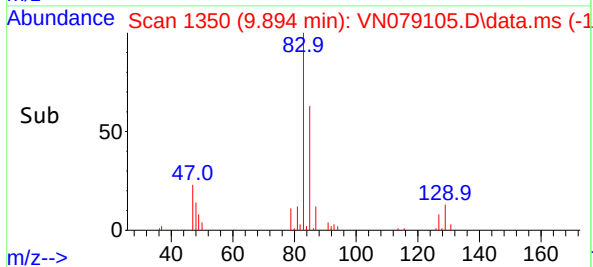
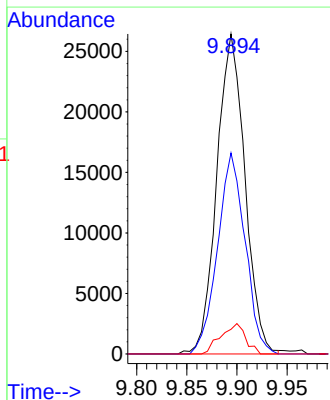
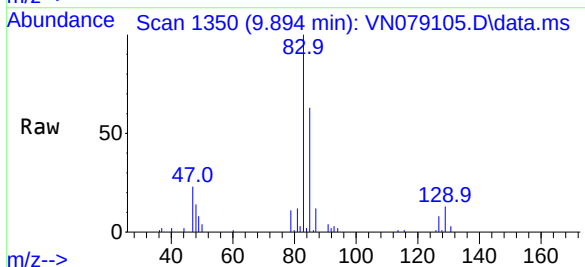
Instrument :
MSVOA_N
ClientSampleId :

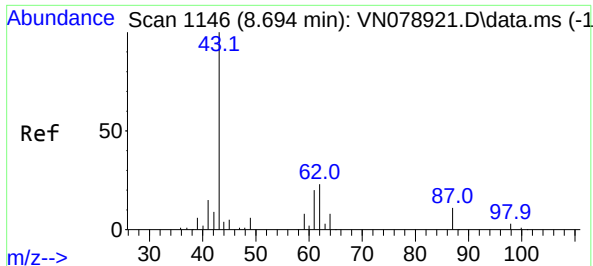
Tgt Ion: 93 Resp: 1768
Ion Ratio Lower Upper
93 100
95 0.0 0.0 162.0
174 0.0 0.0 188.6



#41
Bromodichloromethane
Concen: 17.142 ug/l
RT: 9.894 min Scan# 1350
Delta R.T. -0.000 min
Lab File: VN079105.D
Acq: 29 Aug 2023 19:44

Tgt Ion: 83 Resp: 51572
Ion Ratio Lower Upper
83 100
85 62.8 50.2 75.2
127 7.7 6.2 9.4

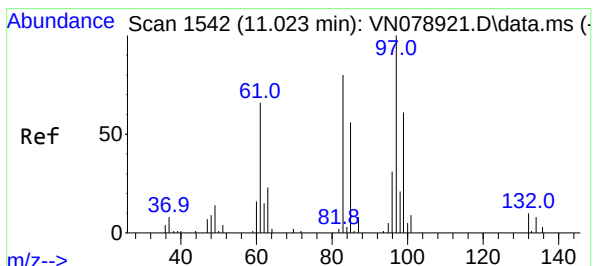
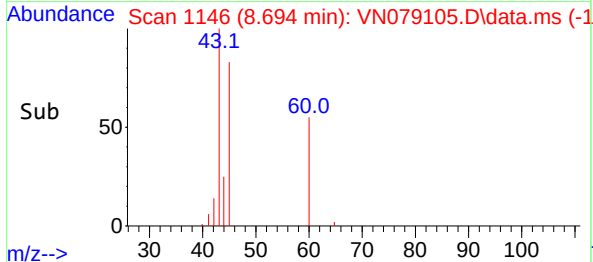
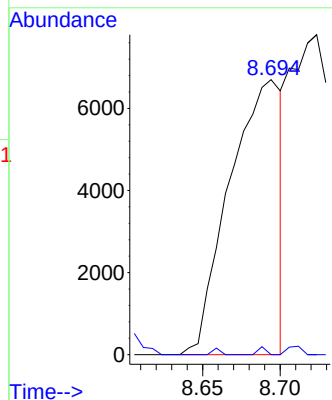
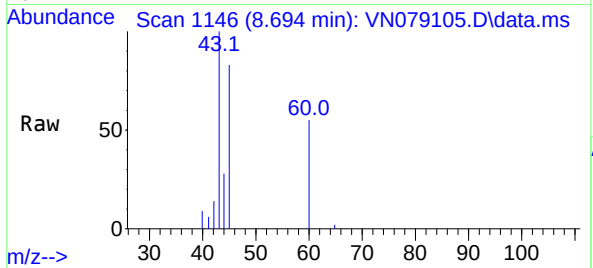




#44
Isopropyl Acetate
Concen: 2.817 ug/l
RT: 8.694 min Scan# 1146
Delta R.T. -0.000 min
Lab File: VN079105.D
Acq: 29 Aug 2023 19:44

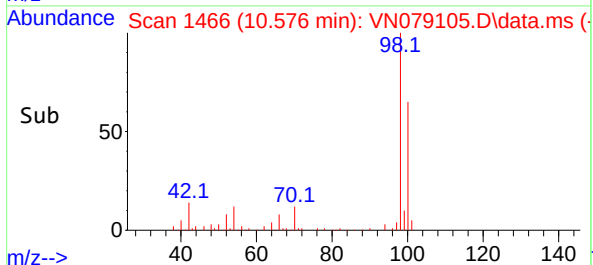
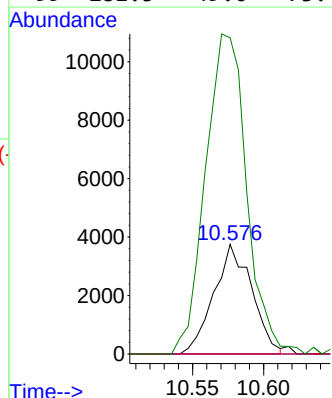
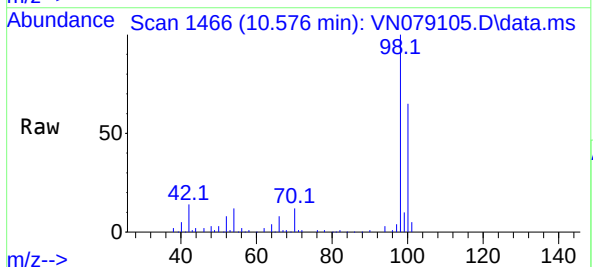
Instrument :
MSVOA_N
ClientSampleId :

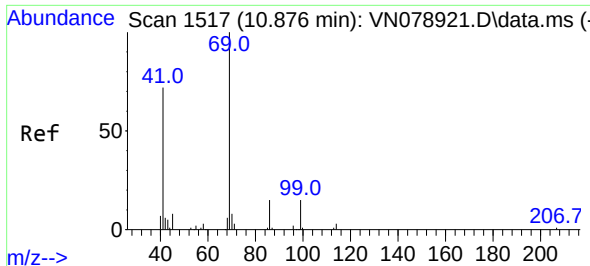
Tgt Ion: 43 Resp: 15584
Ion Ratio Lower Upper
43 100
61 0.9 19.0 28.4#



#50
1,1,2-Trichloroethane
Concen: 3.445 ug/l
RT: 10.576 min Scan# 1466
Delta R.T. -0.447 min
Lab File: VN079105.D
Acq: 29 Aug 2023 19:44

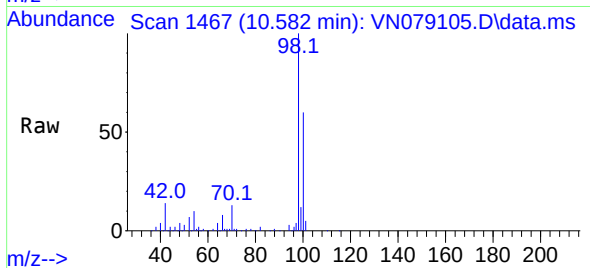
Tgt Ion: 97 Resp: 6964
Ion Ratio Lower Upper
97 100
83 0.0 63.7 95.5#
85 0.0 44.9 67.3#
99 281.5 49.0 73.4#



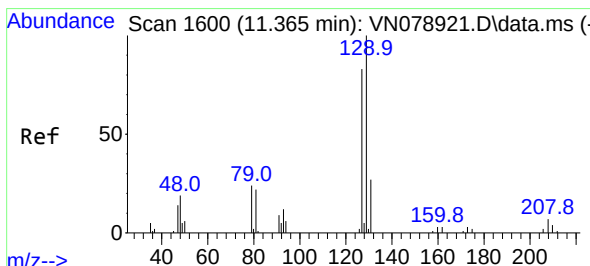
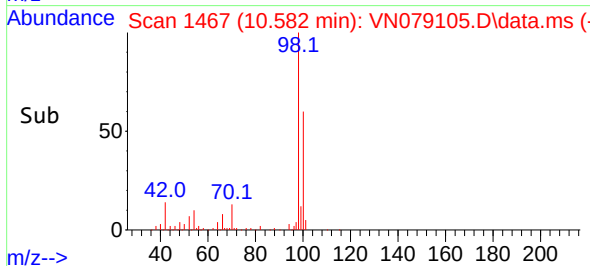
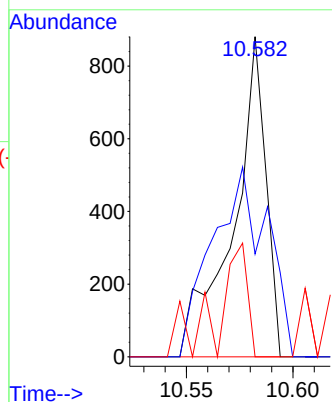


#51
Ethyl methacrylate
Concen: 0.301 ug/l
RT: 10.582 min Scan# 1467
Delta R.T. -0.294 min
Lab File: VN079105.D
Acq: 29 Aug 2023 19:44

Instrument :
MSVOA_N
ClientSampleId :

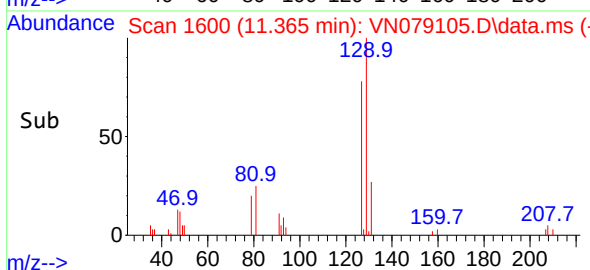
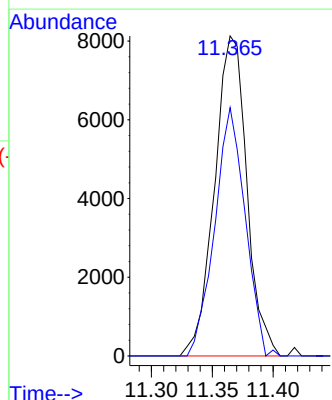
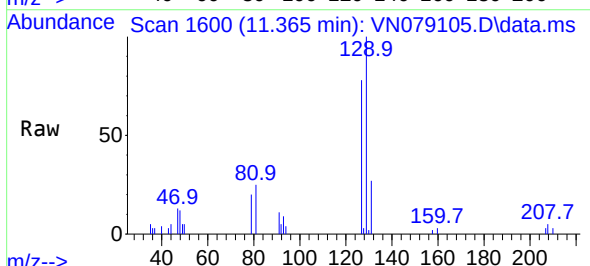


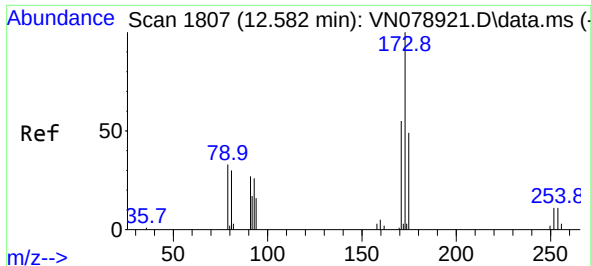
Tgt Ion: 69 Resp: 941
Ion Ratio Lower Upper
69 100
41 32.1 35.9 107.8#
39 0.0 23.5 70.5#



#53
Dibromochloromethane
Concen: 6.783 ug/l
RT: 11.365 min Scan# 1600
Delta R.T. -0.000 min
Lab File: VN079105.D
Acq: 29 Aug 2023 19:44

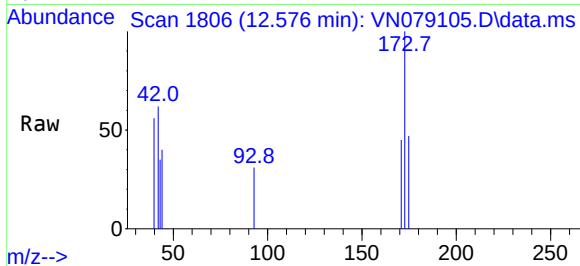
Tgt Ion:129 Resp: 15009
Ion Ratio Lower Upper
129 100
127 72.6 40.1 120.2



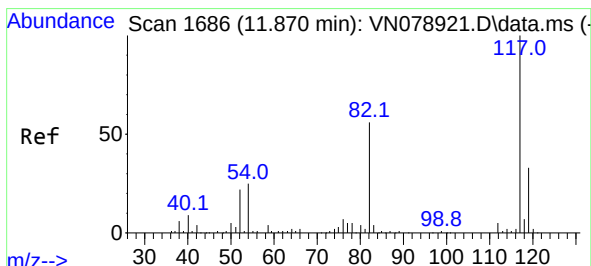
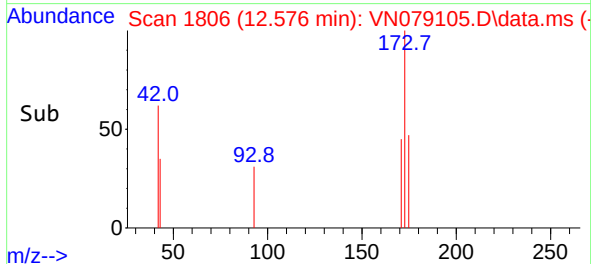
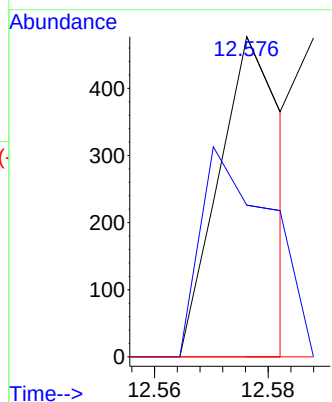


#56
Bromoform
Concen: 0.242 ug/l
RT: 12.576 min Scan# 1806
Delta R.T. -0.006 min
Lab File: VN079105.D
Acq: 29 Aug 2023 19:44

Instrument :
MSVOA_N
ClientSampleId :

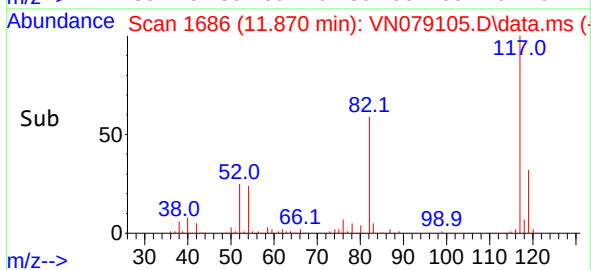
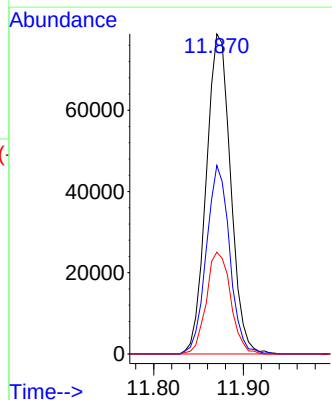
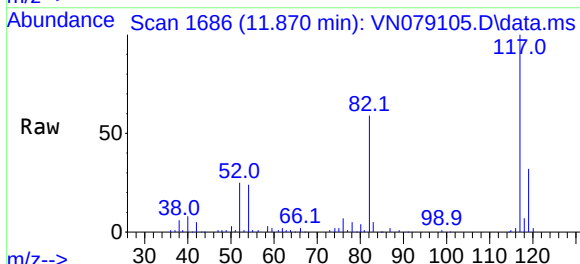


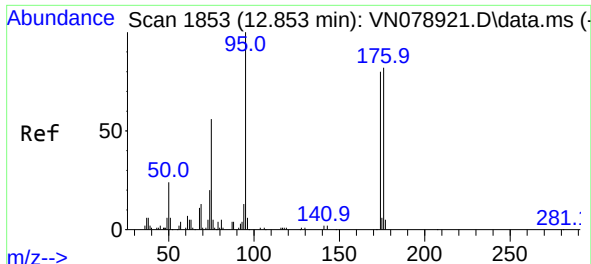
Tgt Ion:173 Resp: 378
Ion Ratio Lower Upper
173 100
175 70.6 38.8 58.2#
254 0.0 7.6 11.4#



#57
Chlorobenzene-d5
Concen: 30.000 ug/l
RT: 11.870 min Scan# 1686
Delta R.T. 0.000 min
Lab File: VN079105.D
Acq: 29 Aug 2023 19:44

Tgt Ion:117 Resp: 148634
Ion Ratio Lower Upper
117 100
82 56.5 43.4 65.0
119 31.8 25.5 38.3

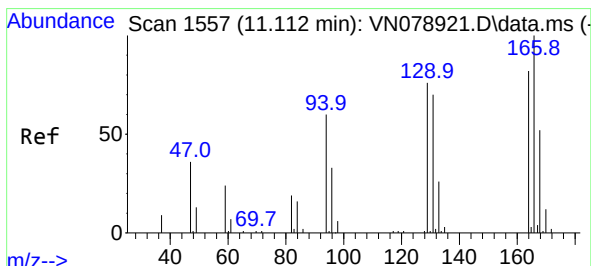
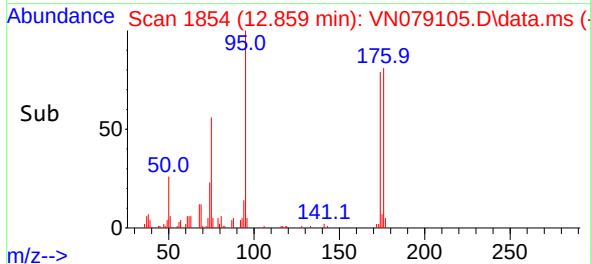
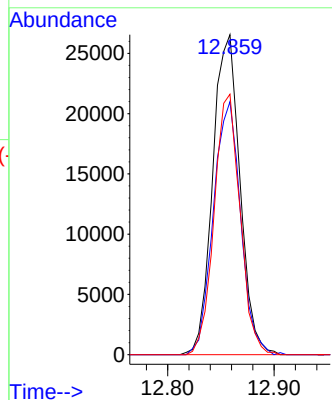
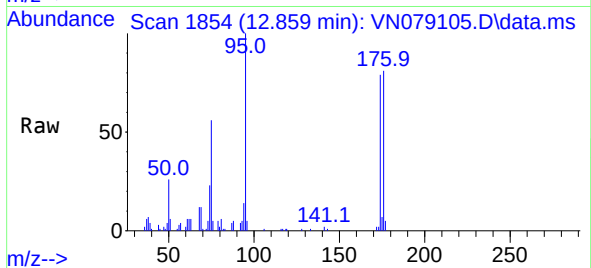




#60
4-Bromofluorobenzene
Concen: 21.760 ug/l
RT: 12.859 min Scan# 11
Delta R.T. 0.006 min
Lab File: VN079105.D
Acq: 29 Aug 2023 19:44

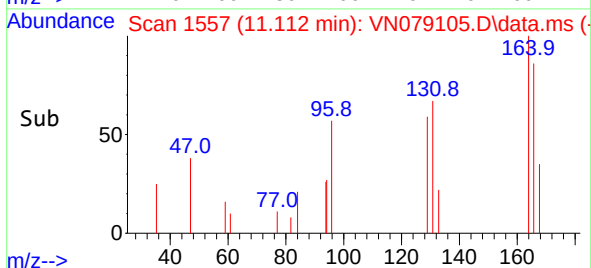
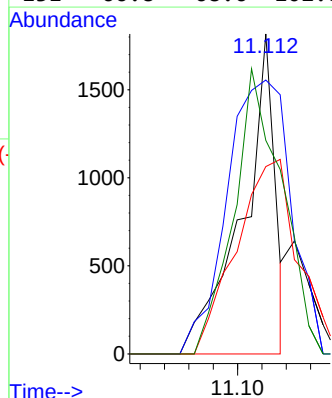
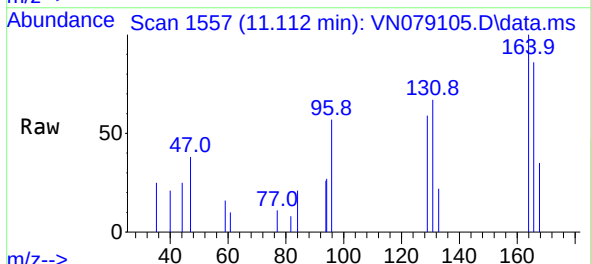
Instrument :
MSVOA_N
ClientSampleId :

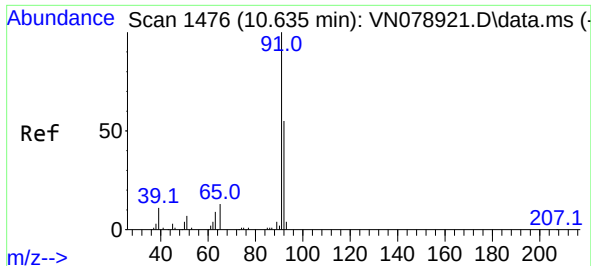
Tgt Ion: 95 Resp: 47178
Ion Ratio Lower Upper
95 100
174 79.1 64.8 97.2
176 77.4 63.0 94.6



#61
Tetrachloroethene
Concen: 1.178 ug/l
RT: 11.112 min Scan# 1557
Delta R.T. -0.000 min
Lab File: VN079105.D
Acq: 29 Aug 2023 19:44

Tgt Ion:164 Resp: 1695
Ion Ratio Lower Upper
164 100
166 85.6 97.6 146.4#
129 58.6 74.1 111.1#
131 66.8 68.6 102.8#

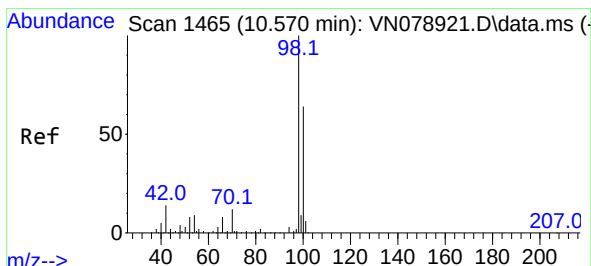
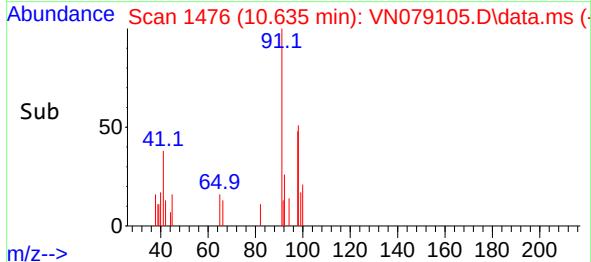
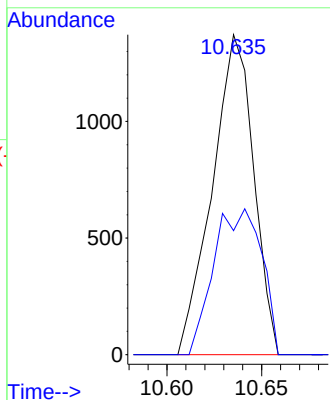
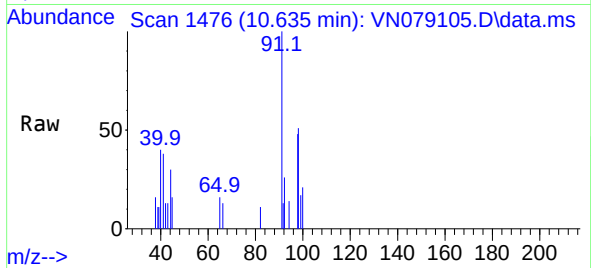




#62
Toluene
Concen: 0.257 ug/l
RT: 10.635 min Scan# 1476
Delta R.T. -0.000 min
Lab File: VN079105.D
Acq: 29 Aug 2023 19:44

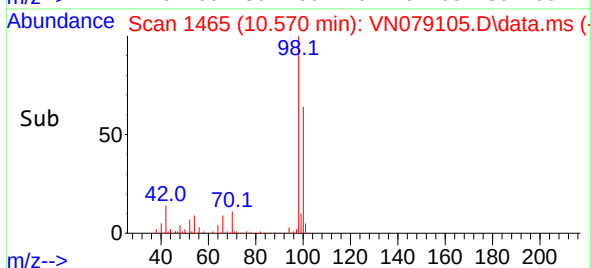
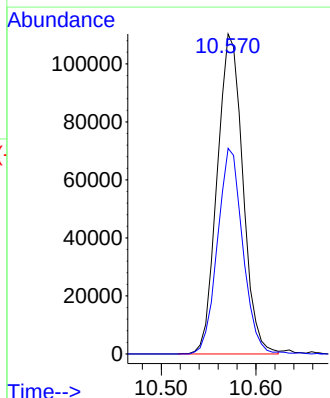
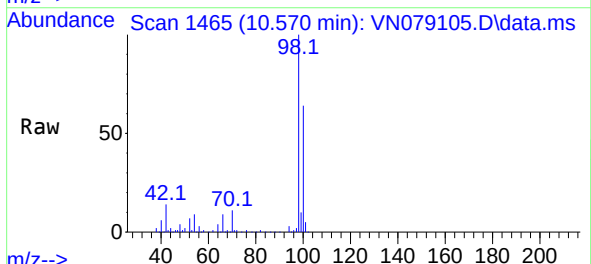
Instrument :
MSVOA_N
ClientSampleId :

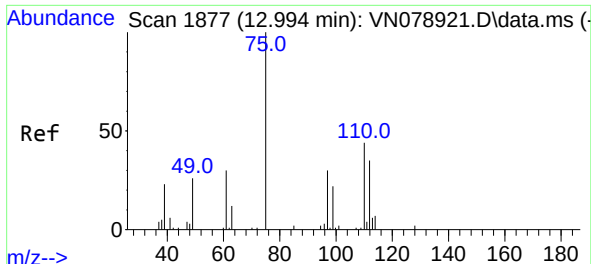
Tgt Ion: 91 Resp: 2083
Ion Ratio Lower Upper
91 100
92 27.5 44.7 67.1#



#63
Toluene-d8
Concen: 29.868 ug/l
RT: 10.570 min Scan# 1465
Delta R.T. -0.000 min
Lab File: VN079105.D
Acq: 29 Aug 2023 19:44

Tgt Ion: 98 Resp: 207316
Ion Ratio Lower Upper
98 100
100 63.1 51.1 76.7

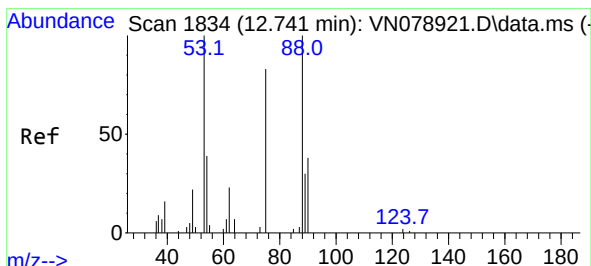
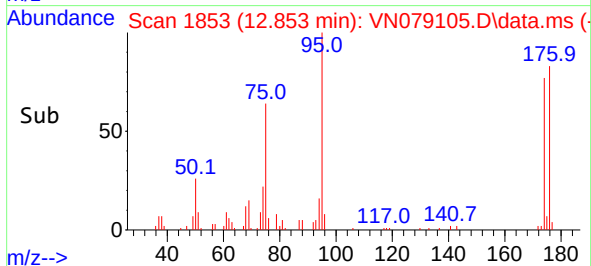
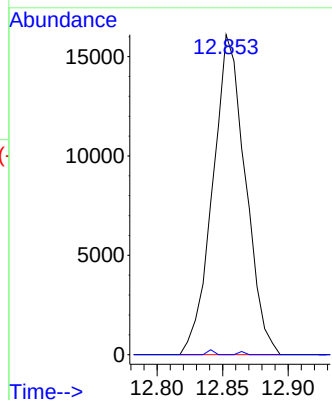
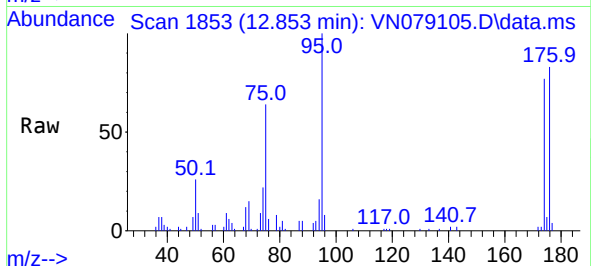




#72
1,2,3-Trichloropropane
Concen: 12.006 ug/l
RT: 12.853 min Scan# 1853
Delta R.T. -0.141 min
Lab File: VN079105.D
Acq: 29 Aug 2023 19:44

Instrument :
MSVOA_N
ClientSampleId :

Tgt Ion: 75 Resp: 27917
Ion Ratio Lower Upper
75 100
77 0.0 0.0 367.4



#77
t-1,4-Dichloro-2-butene
Concen: 32.307 ug/l
RT: 12.853 min Scan# 1853
Delta R.T. 0.112 min
Lab File: VN079105.D
Acq: 29 Aug 2023 19:44

Tgt Ion: 75 Resp: 27917
Ion Ratio Lower Upper
75 100
53 0.0 60.1 180.3#
89 0.0 22.9 68.8#

