

Data Path : Z:\voasrv\HPCHEM1\MSVOA_N\Data\VN082823\
 Data File : VN079077.D
 Acq On : 28 Aug 2023 19:20
 Operator : JC\MD
 Sample : 04206-01
 Misc : 5.0mL/MSVOA_N/WATER
 ALS Vial : 23 Sample Multiplier: 1

Instrument :
 MSVOA_N
 ClientSampleId :

Quant Time: Aug 29 05:22:49 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)

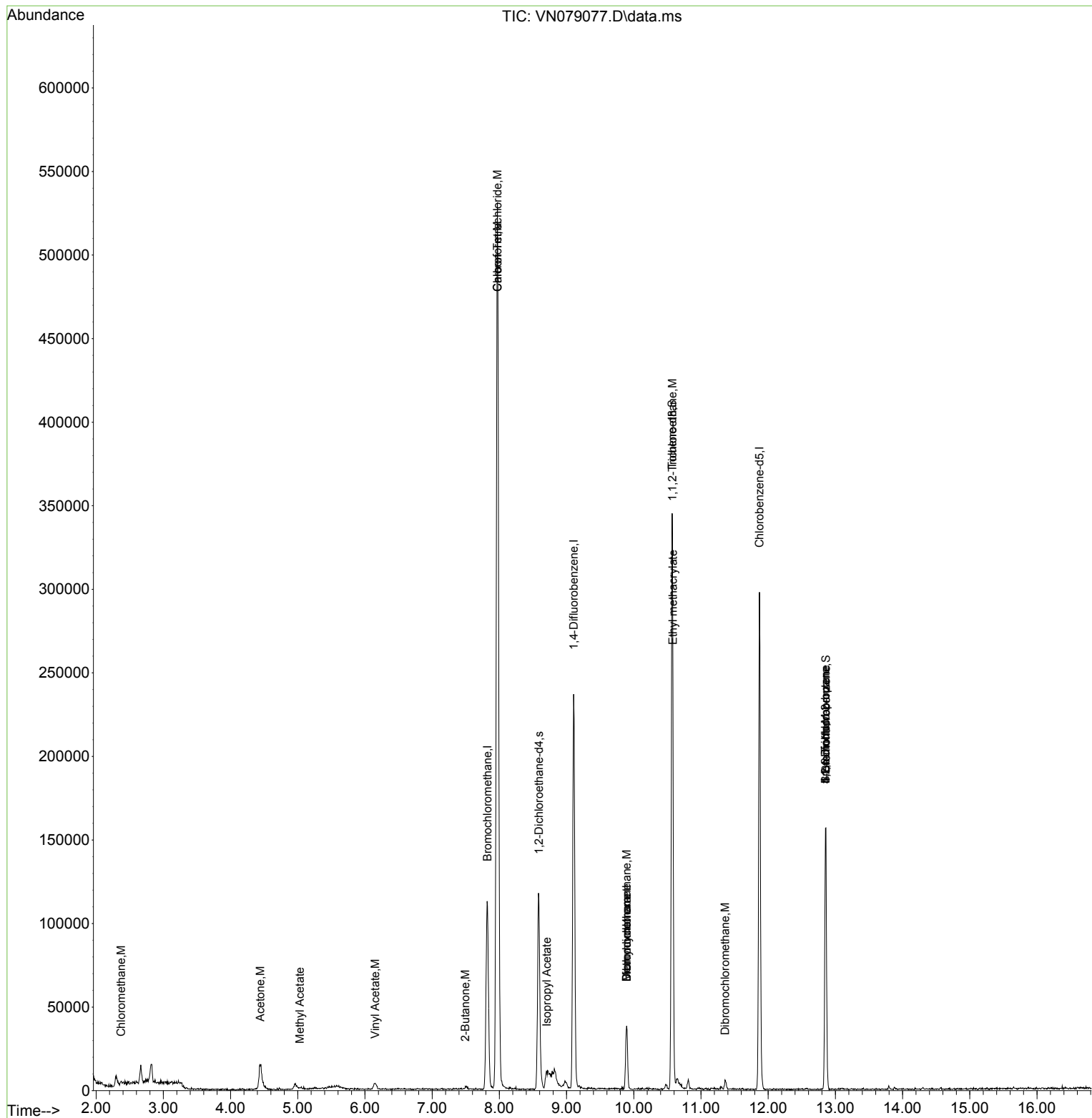
Internal Standards						
1) Bromochloromethane	7.824	128	37149	30.000	ug/l	0.00
28) 1,4-Difluorobenzene	9.106	114	201877	30.000	ug/l	0.00
57) Chlorobenzene-d5	11.871	117	162302	30.000	ug/l	0.00
System Monitoring Compounds						
27) 1,2-Dichloroethane-d4	8.588	65	90939	30.216	ug/l	0.00
Spiked Amount 30.000	Range 91 - 110		Recovery = 100.733%			
60) 4-Bromofluorobenzene	12.859	95	54111	22.856	ug/l	0.00
Spiked Amount 30.000	Range 63 - 112		Recovery = 76.200%			
63) Toluene-d8	10.571	98	231848	30.589	ug/l	0.00
Spiked Amount 30.000	Range 91 - 112		Recovery = 101.967%			
Target Compounds						
					Qvalue	
3) Chloromethane	2.371	50	993	0.353	ug/l #	44
12) Methyl Acetate	5.030	43	990	0.215	ug/l #	54
15) Acetone	4.442	58	8550	22.989	ug/l #	61
25) Chloroform	7.971	83	498775	113.731	ug/l	99
30) 2-Butanone	7.494	43	1292	0.719	ug/l #	92
33) Carbon Tetrachloride	7.971	117	3730	1.174	ug/l	88
38) Methylcyclohexane	9.894	83	25548	9.449	ug/l #	16
40) Dibromomethane	9.894	93	650	0.391	ug/l #	5
41) Bromodichloromethane	9.894	83	25548	7.645	ug/l	99
42) Vinyl Acetate	6.153	43	2167	0.428	ug/l #	75
44) Isopropyl Acetate	8.706	43	6633	1.079	ug/l	98
50) 1,1,2-Trichloroethane	10.577	97	8579	3.821	ug/l #	1
51) Ethyl methacrylate	10.582	69	1013	0.291	ug/l #	49
53) Dibromochloromethane	11.359	129	1165	0.474	ug/l #	1
56) Bromoform	12.853	173	564	0.325	ug/l #	1
72) 1,2,3-Trichloropropane	12.853	75	31428	12.378	ug/l	1
77) t-1,4-Dichloro-2-butene	12.853	75	31428	33.307	ug/l #	3

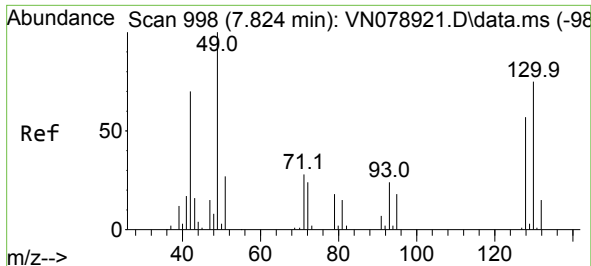
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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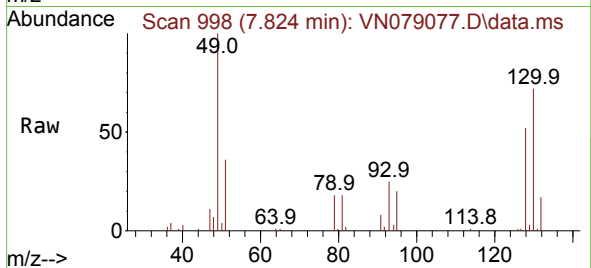
Quant Time: Aug 29 05:22:49 2023
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_N\methods\624N081723W.M
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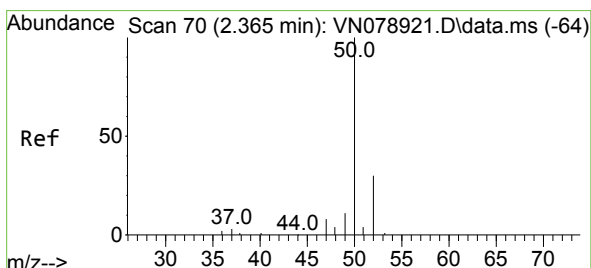
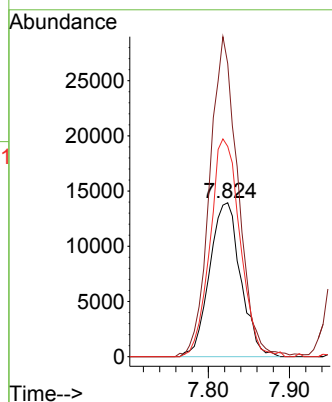
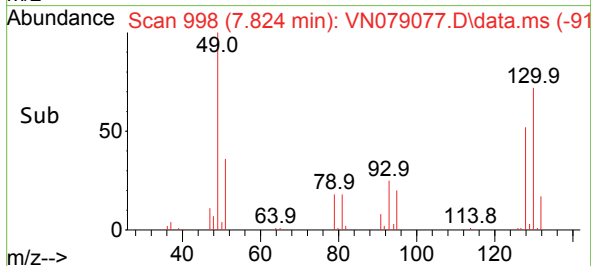


#1
Bromochloromethane
Concen: 30.000 ug/l
RT: 7.824 min Scan# 998
Delta R.T. -0.000 min
Lab File: VN079077.D
Acq: 28 Aug 2023 19:20

Instrument :
MSVOA_N
ClientSampleId :

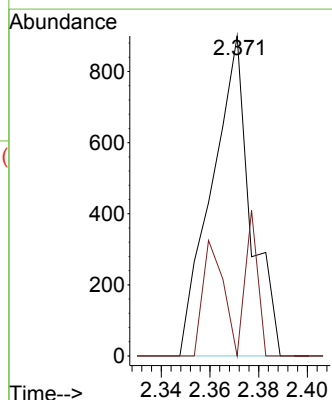
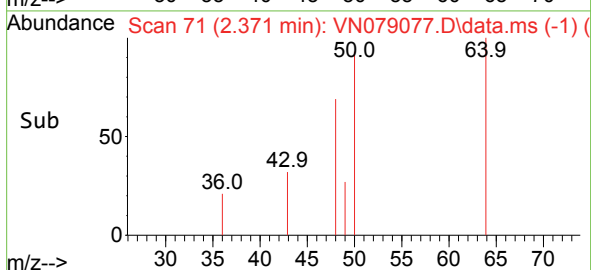
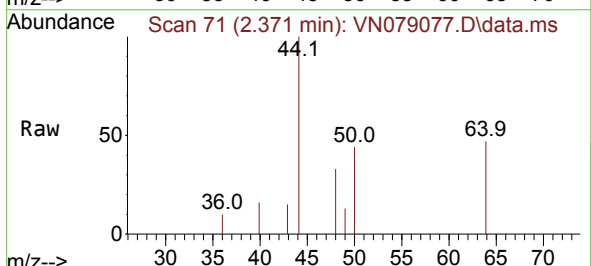


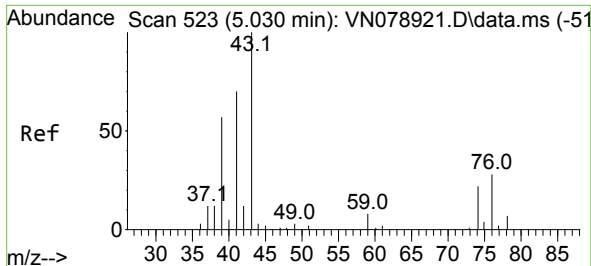
Tgt Ion:128 Resp: 37149
Ion Ratio Lower Upper
128 100
49 189.1 0.0 481.8
130 136.3 0.0 320.5



#3
Chloromethane
Concen: 0.353 ug/l
RT: 2.371 min Scan# 71
Delta R.T. 0.006 min
Lab File: VN079077.D
Acq: 28 Aug 2023 19:20

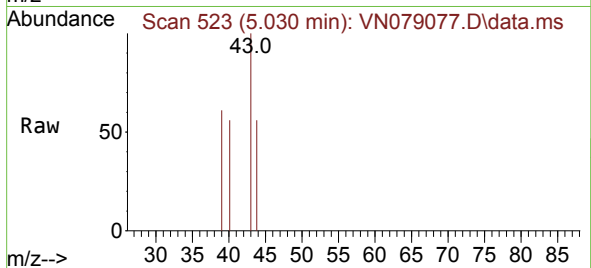
Tgt Ion: 50 Resp: 993
Ion Ratio Lower Upper
50 100
52 0.0 24.2 36.4#



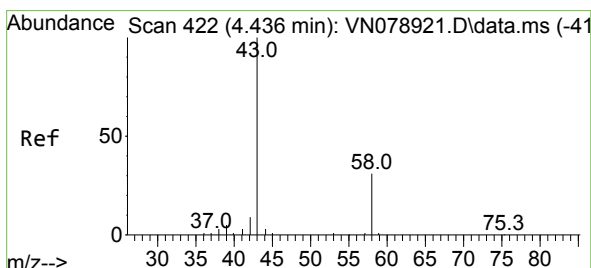
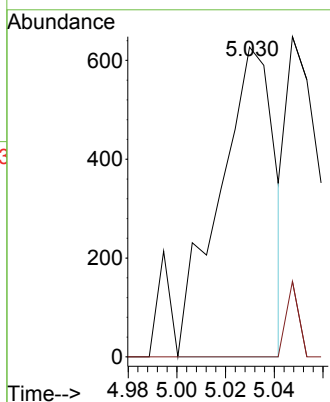
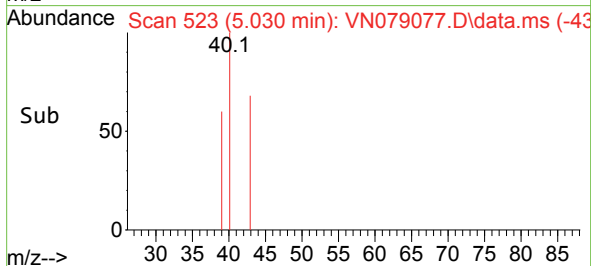


#12
Methyl Acetate
Concen: 0.215 ug/l
RT: 5.030 min Scan# 51
Delta R.T. 0.000 min
Lab File: VN079077.D
Acq: 28 Aug 2023 19:20

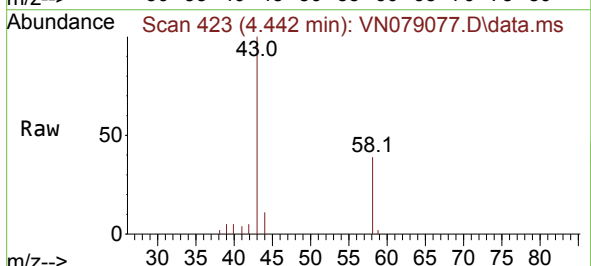
Instrument :
MSVOA_N
ClientSampleId :



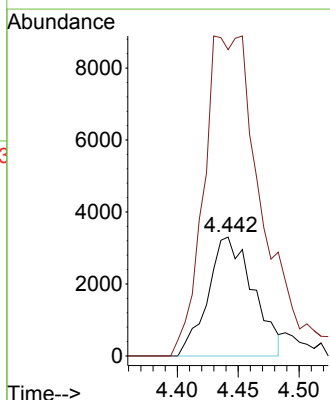
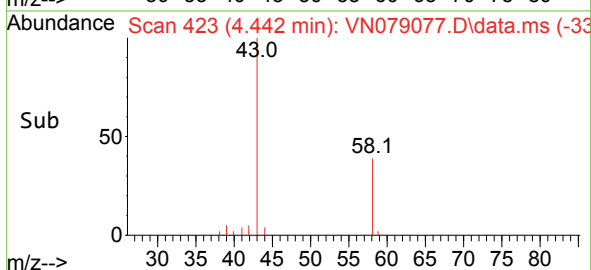
Tgt Ion: 43 Resp: 990
Ion Ratio Lower Upper
43 100
74 0.0 17.5 26.3#

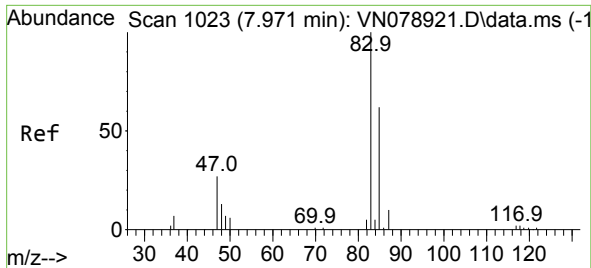


#15
Acetone
Concen: 22.989 ug/l
RT: 4.442 min Scan# 423
Delta R.T. 0.006 min
Lab File: VN079077.D
Acq: 28 Aug 2023 19:20



Tgt Ion: 58 Resp: 8550
Ion Ratio Lower Upper
58 100
43 244.2 260.6 390.8#

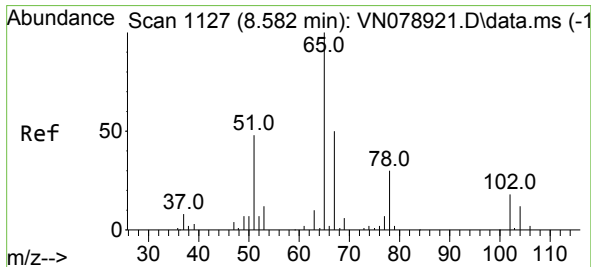
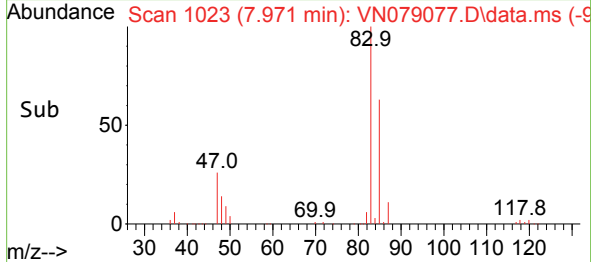
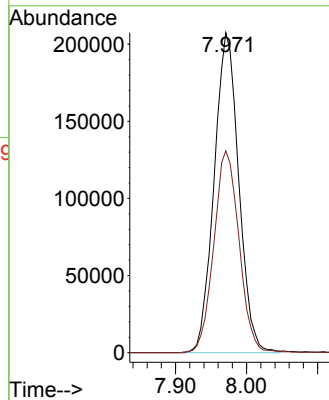
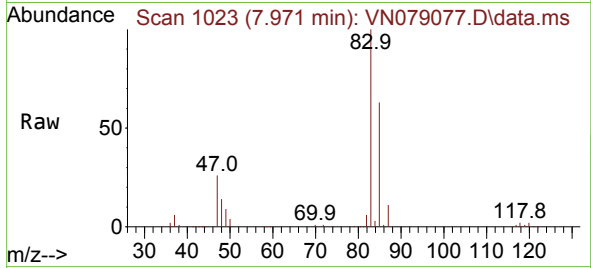




#25
Chloroform
Concen: 113.731 ug/l
RT: 7.971 min Scan# 1023
Delta R.T. 0.000 min
Lab File: VN079077.D
Acq: 28 Aug 2023 19:20

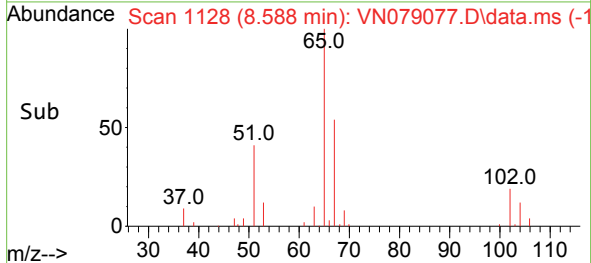
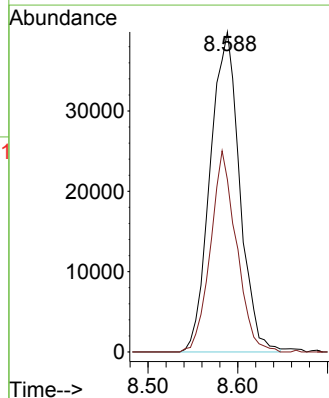
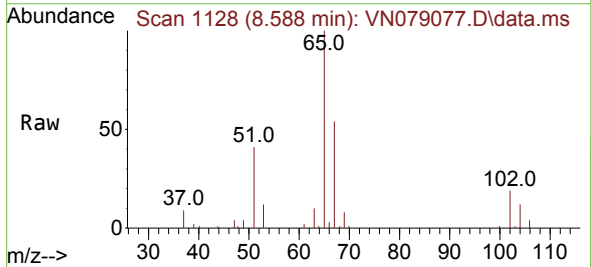
Instrument :
MSVOA_N
ClientSampleId :

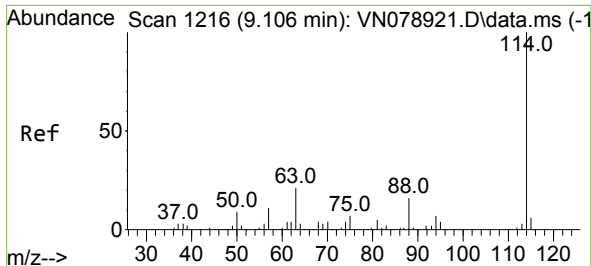
Tgt Ion: 83 Resp: 498775
Ion Ratio Lower Upper
83 100
85 63.1 49.6 74.4



#27
1,2-Dichloroethane-d4
Concen: 30.216 ug/l
RT: 8.588 min Scan# 1128
Delta R.T. 0.006 min
Lab File: VN079077.D
Acq: 28 Aug 2023 19:20

Tgt Ion: 65 Resp: 90939
Ion Ratio Lower Upper
65 100
67 55.4 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: VN079077.D

Acq: 28 Aug 2023 19:20

Instrument :

MSVOA_N

ClientSampleId :

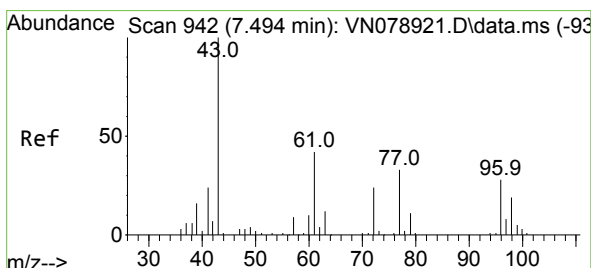
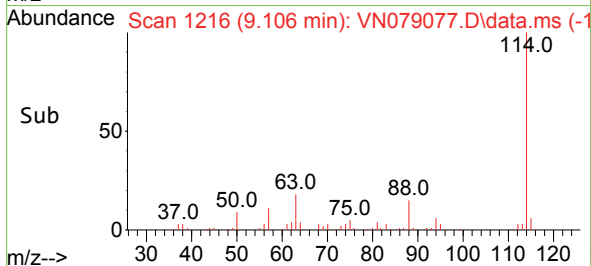
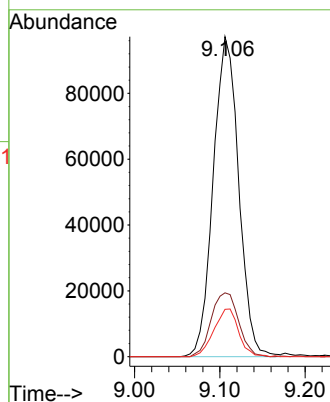
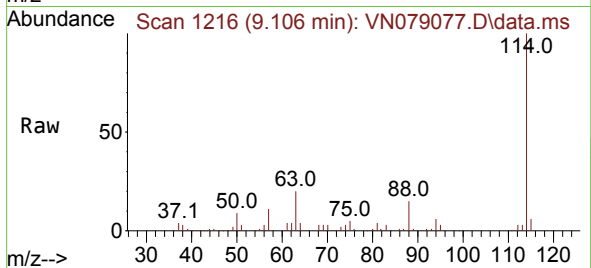
Tgt Ion:114 Resp: 201877

Ion Ratio Lower Upper

114 100

63 21.5 17.4 26.2

88 14.4 12.0 18.0



#30

2-Butanone

Concen: 0.719 ug/l

RT: 7.494 min Scan# 942

Delta R.T. 0.000 min

Lab File: VN079077.D

Acq: 28 Aug 2023 19:20

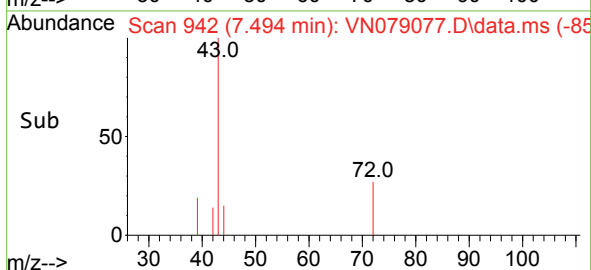
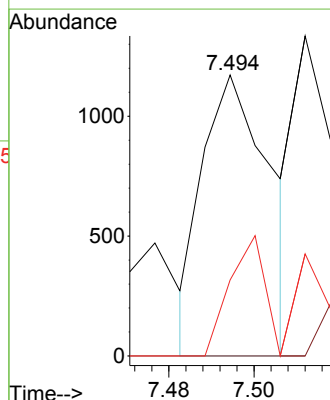
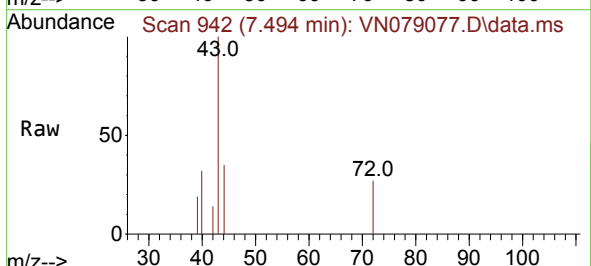
Tgt Ion: 43 Resp: 1292

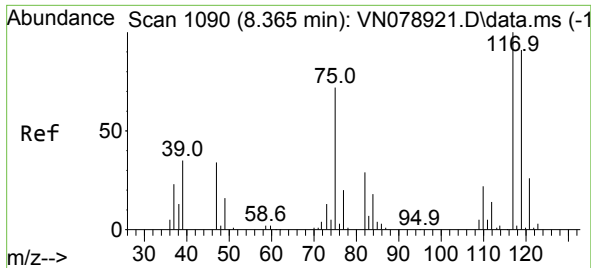
Ion Ratio Lower Upper

43 100

57 0.0 6.2 9.4#

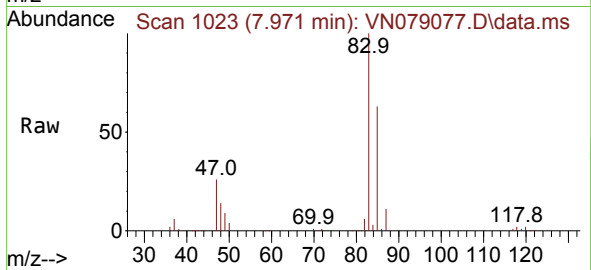
72 22.4 19.4 29.2



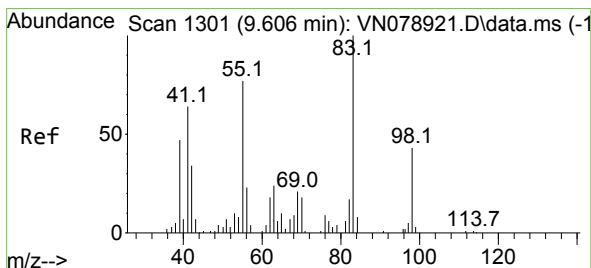
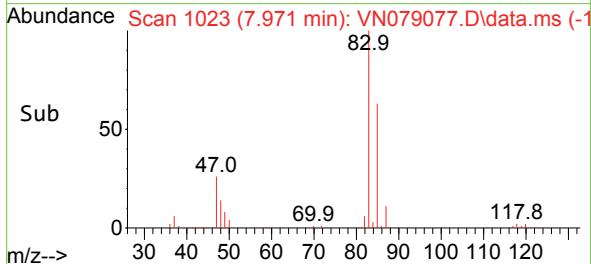
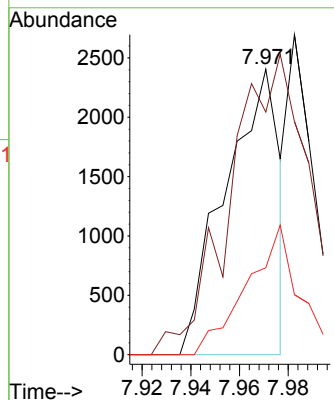


#33
Carbon Tetrachloride
Concen: 1.174 ug/l
RT: 7.971 min Scan# 11
Delta R.T. -0.394 min
Lab File: VN079077.D
Acq: 28 Aug 2023 19:20

Instrument :
MSVOA_N
ClientSampleId :

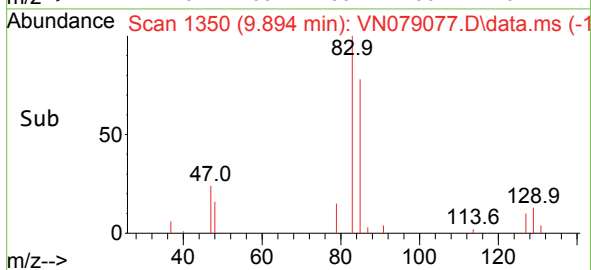
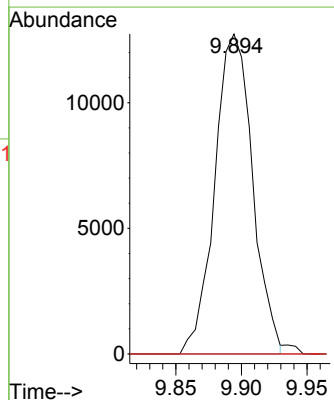
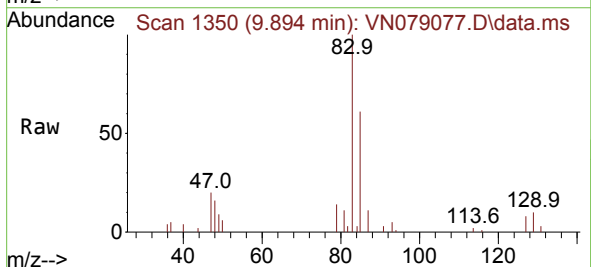


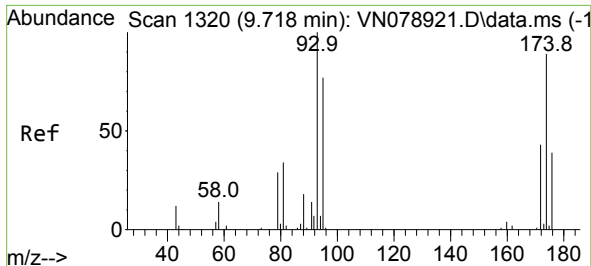
Tgt Ion:117 Resp: 3730
Ion Ratio Lower Upper
117 100
119 78.0 72.6 108.8
121 30.4 20.7 31.1



#38
Methylcyclohexane
Concen: 9.449 ug/l
RT: 9.894 min Scan# 1350
Delta R.T. 0.288 min
Lab File: VN079077.D
Acq: 28 Aug 2023 19:20

Tgt Ion: 83 Resp: 25548
Ion Ratio Lower Upper
83 100
55 0.0 40.2 120.6#
98 0.0 24.1 72.3#

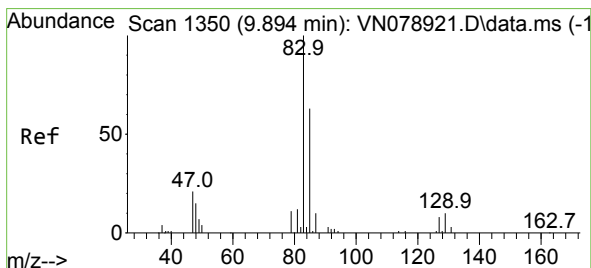
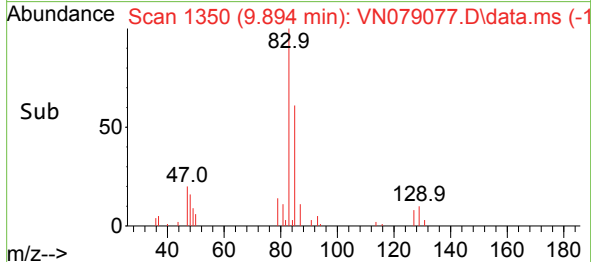
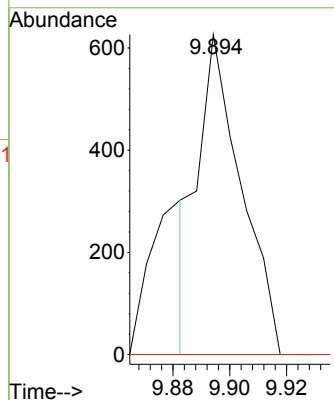
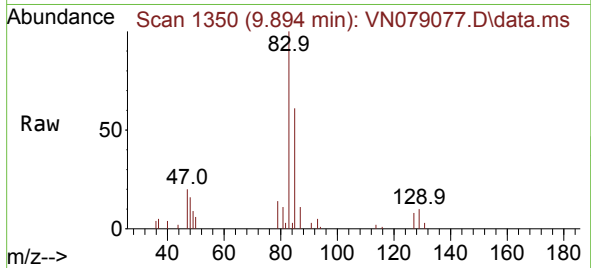




#40
Dibromomethane
Concen: 0.391 ug/l
RT: 9.894 min Scan# 1350
Delta R.T. 0.177 min
Lab File: VN079077.D
Acq: 28 Aug 2023 19:20

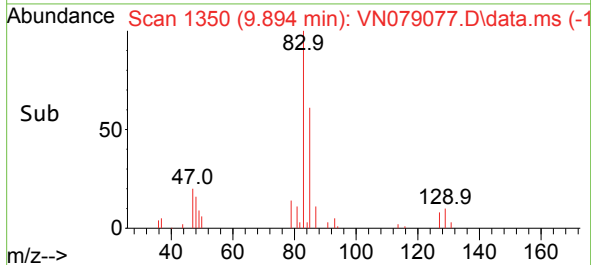
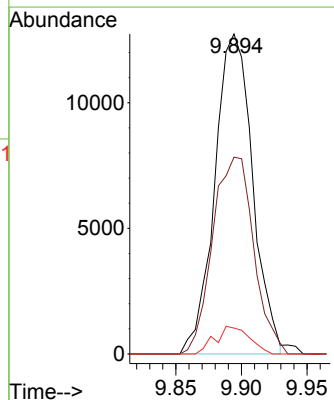
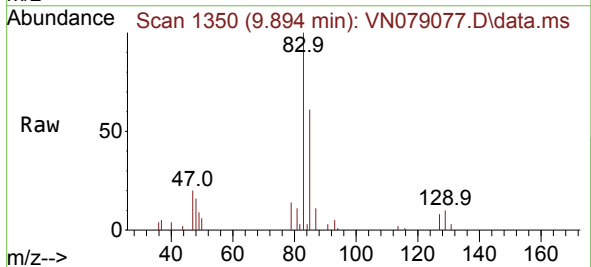
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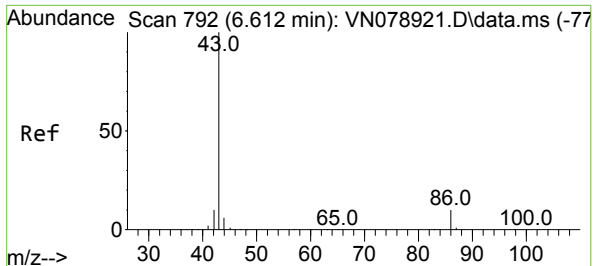
Tgt Ion: 93 Resp: 650
Ion Ratio Lower Upper
93 100
95 0.0 0.0 162.0
174 0.0 0.0 188.6



#41
Bromodichloromethane
Concen: 7.645 ug/l
RT: 9.894 min Scan# 1350
Delta R.T. 0.000 min
Lab File: VN079077.D
Acq: 28 Aug 2023 19:20

Tgt Ion: 83 Resp: 25548
Ion Ratio Lower Upper
83 100
85 61.5 50.2 75.2
127 8.1 6.2 9.4

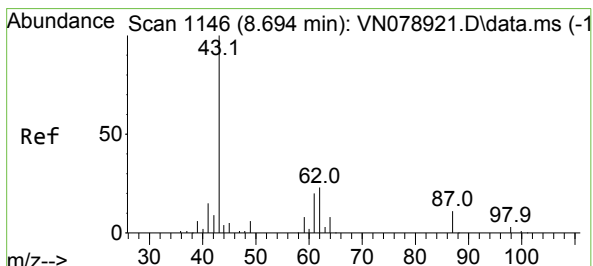
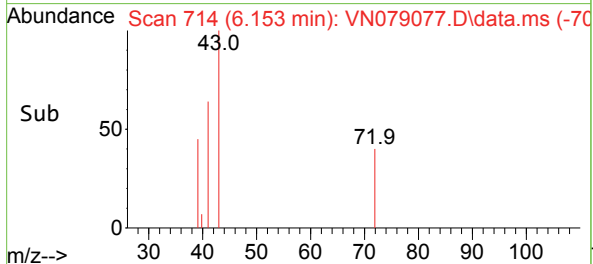
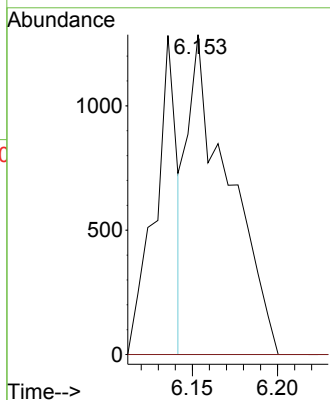
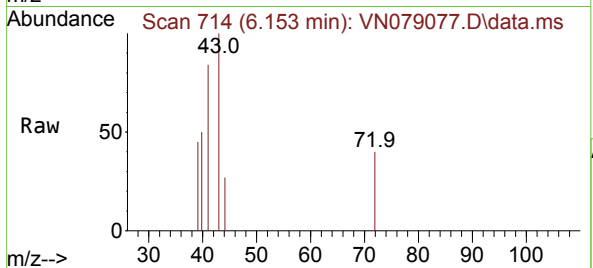




#42
 Vinyl Acetate
 Concen: 0.428 ug/l
 RT: 6.153 min Scan# 714
 Delta R.T. -0.459 min
 Lab File: VN079077.D
 Acq: 28 Aug 2023 19:20

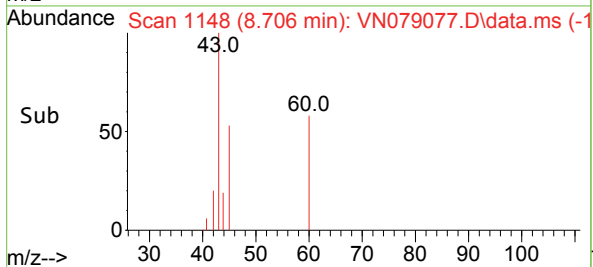
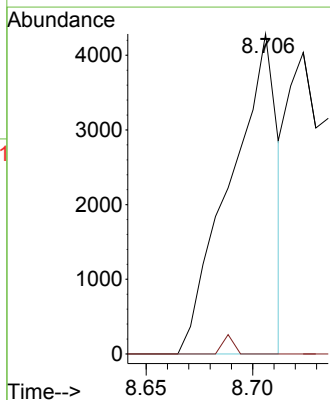
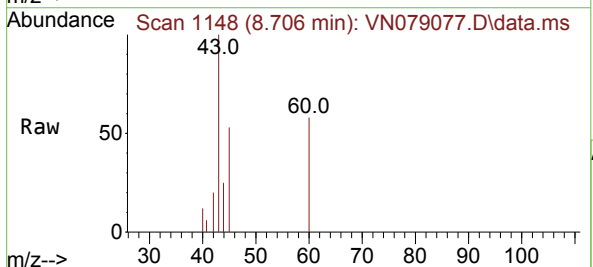
Instrument :
 MSVOA_N
 ClientSampleId :

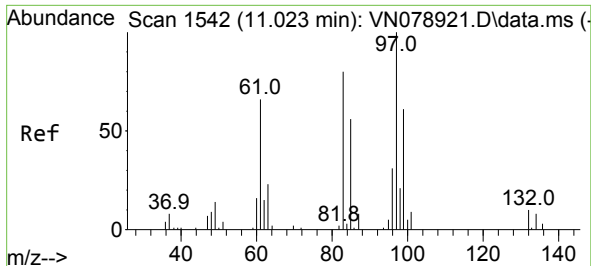
Tgt Ion: 43 Resp: 2167
 Ion Ratio Lower Upper
 43 100
 86 0.0 7.4 11.0#



#44
 Isopropyl Acetate
 Concen: 1.079 ug/l
 RT: 8.706 min Scan# 1148
 Delta R.T. 0.012 min
 Lab File: VN079077.D
 Acq: 28 Aug 2023 19:20

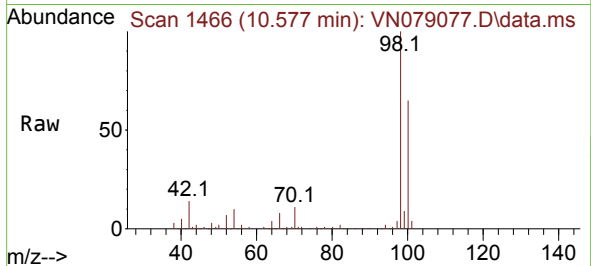
Tgt Ion: 43 Resp: 6633
 Ion Ratio Lower Upper
 43 100
 61 24.6 19.0 28.4



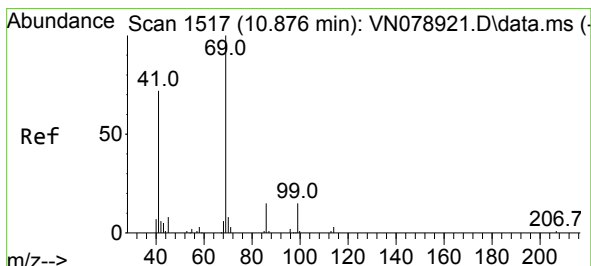
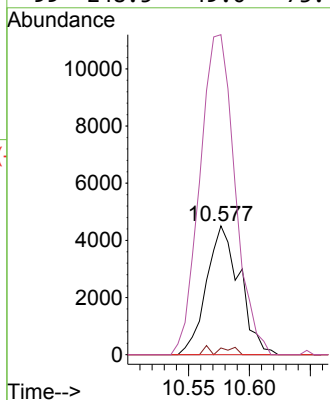
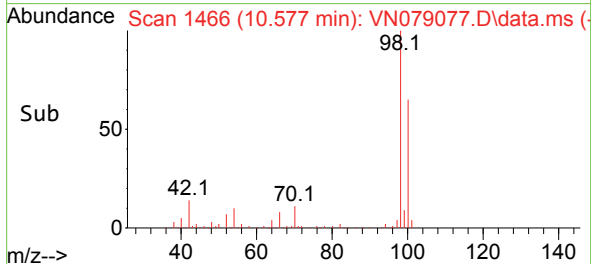


#50
 1,1,2-Trichloroethane
 Concen: 3.821 ug/l
 RT: 10.577 min Scan# 1466
 Delta R.T. -0.447 min
 Lab File: VN079077.D
 Acq: 28 Aug 2023 19:20

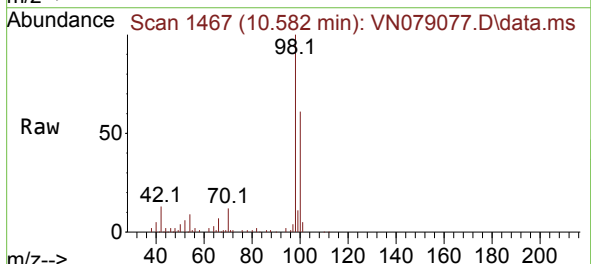
Instrument :
 MSVOA_N
 ClientSampleId :



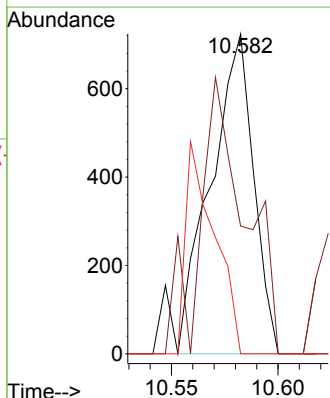
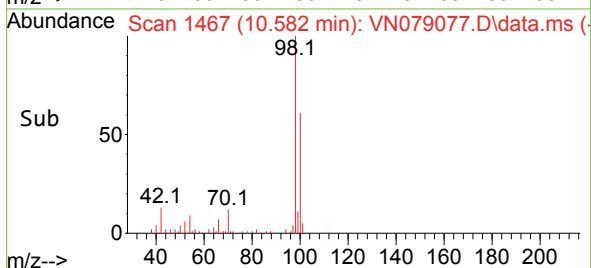
Tgt Ion: 97	Resp: 8579
Ion Ratio	Lower Upper
97 100	
83 5.2	63.7 95.5#
85 0.0	44.9 67.3#
99 248.5	49.0 73.4#

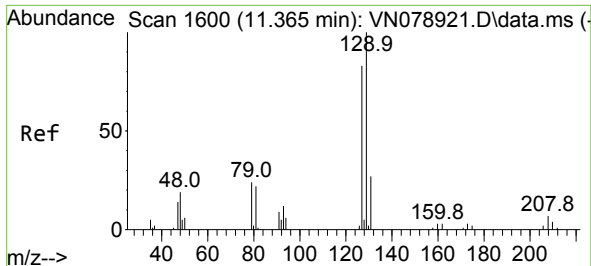


#51
 Ethyl methacrylate
 Concen: 0.291 ug/l
 RT: 10.582 min Scan# 1467
 Delta R.T. -0.294 min
 Lab File: VN079077.D
 Acq: 28 Aug 2023 19:20



Tgt Ion: 69	Resp: 1013
Ion Ratio	Lower Upper
69 100	
41 39.9	35.9 107.8
39 0.0	23.5 70.5#

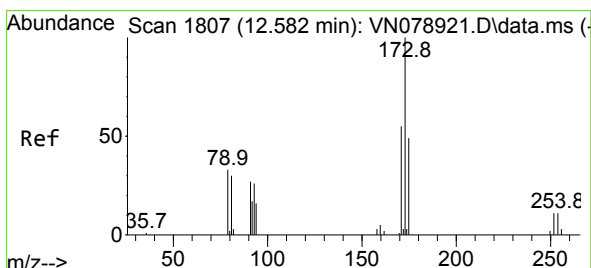
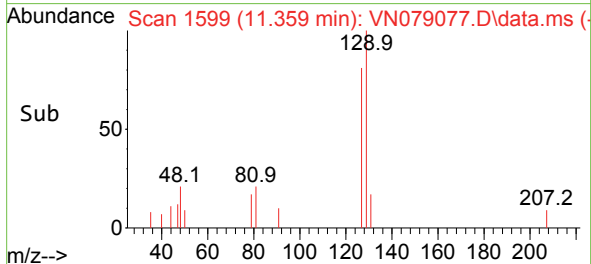
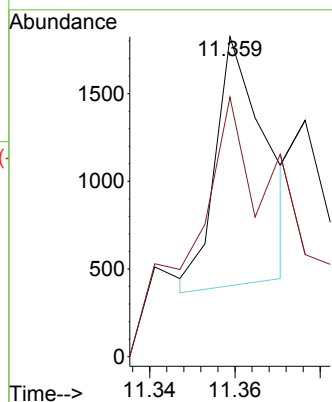
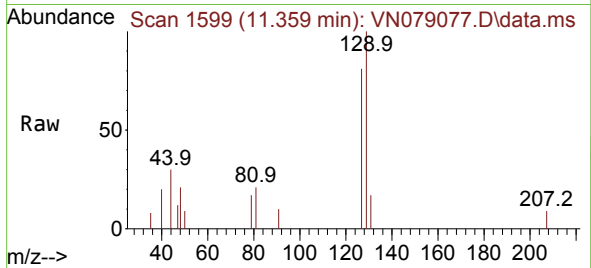




#53
Dibromochloromethane
Concen: 0.474 ug/l
RT: 11.359 min Scan# 11
Delta R.T. -0.006 min
Lab File: VN079077.D
Acq: 28 Aug 2023 19:20

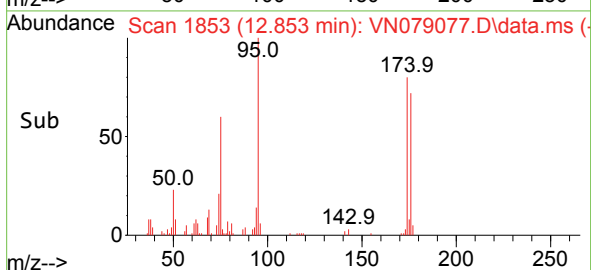
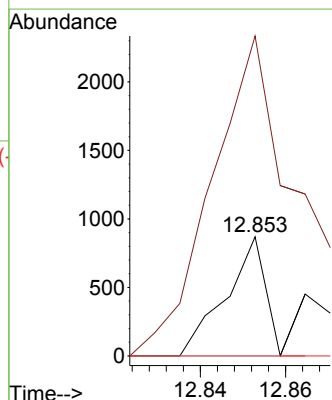
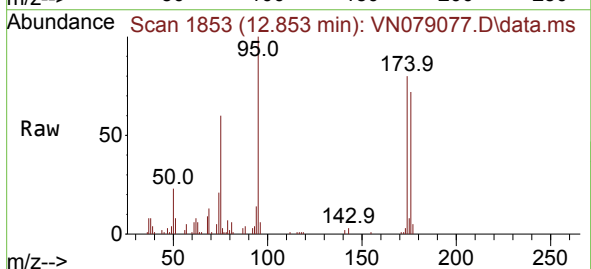
Instrument :
MSVOA_N
ClientSampleId :

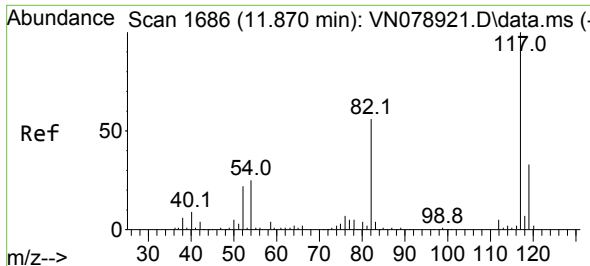
Tgt Ion:129 Resp: 1165
Ion Ratio Lower Upper
129 100
127 196.6 40.1 120.2#



#56
Bromoform
Concen: 0.325 ug/l
RT: 12.853 min Scan# 1853
Delta R.T. 0.271 min
Lab File: VN079077.D
Acq: 28 Aug 2023 19:20

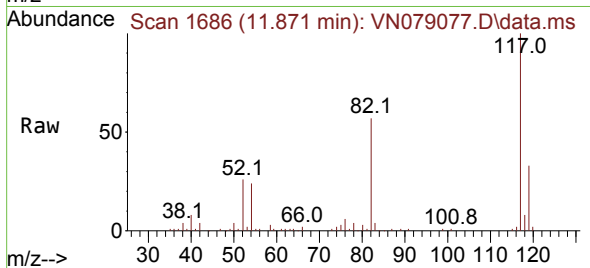
Tgt Ion:173 Resp: 564
Ion Ratio Lower Upper
173 100
175 594.1 38.8 58.2#
254 0.0 7.6 11.4#



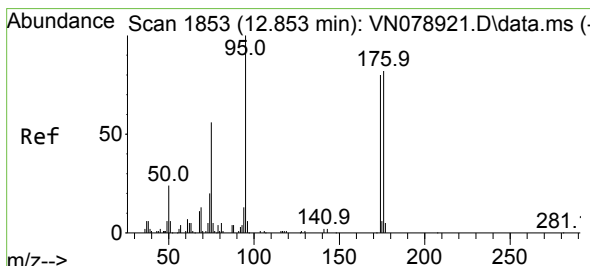
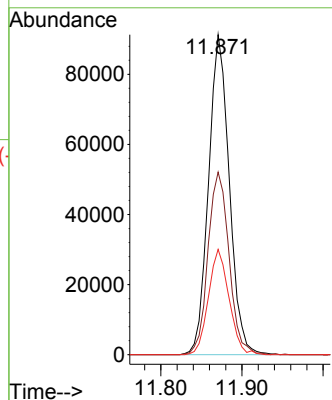
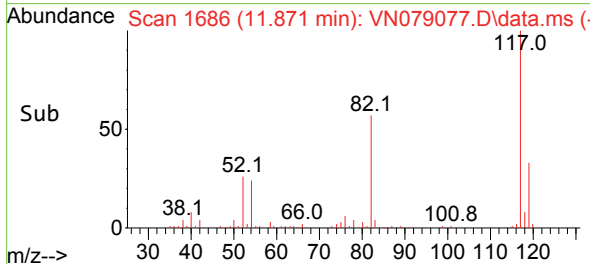


#57
Chlorobenzene-d5
Concen: 30.000 ug/l
RT: 11.871 min Scan# 117
Delta R.T. 0.000 min
Lab File: VN079077.D
Acq: 28 Aug 2023 19:20

Instrument :
MSVOA_N
ClientSampleId :

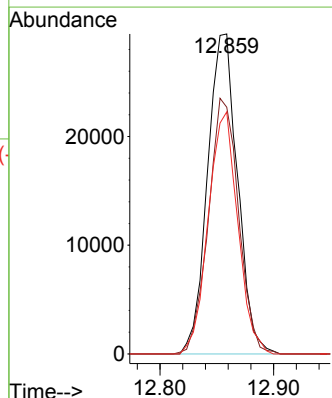
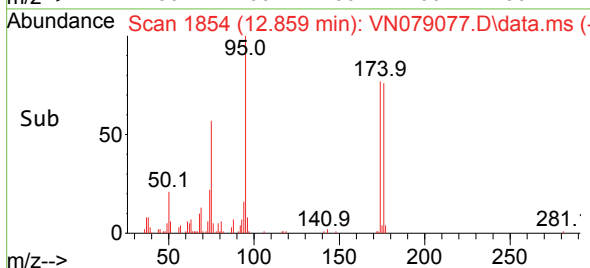
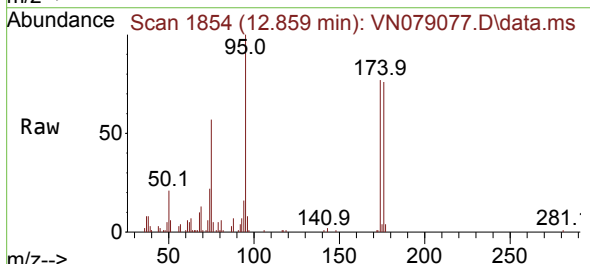


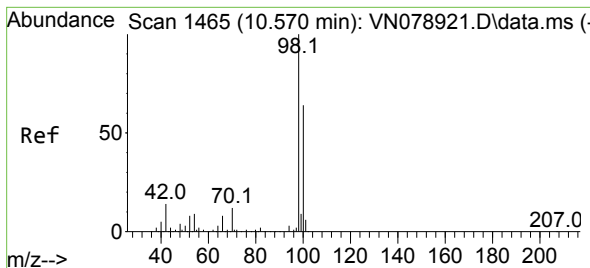
Tgt Ion:117 Resp: 162302
Ion Ratio Lower Upper
117 100
82 57.8 43.4 65.0
119 32.6 25.5 38.3



#60
4-Bromofluorobenzene
Concen: 22.856 ug/l
RT: 12.859 min Scan# 1854
Delta R.T. 0.006 min
Lab File: VN079077.D
Acq: 28 Aug 2023 19:20

Tgt Ion: 95 Resp: 54111
Ion Ratio Lower Upper
95 100
174 80.1 64.8 97.2
176 74.4 63.0 94.6





#63

Toluene-d8

Concen: 30.589 ug/l

RT: 10.571 min Scan# 1465

Delta R.T. 0.000 min

Lab File: VN079077.D

Acq: 28 Aug 2023 19:20

Instrument :

MSVOA_N

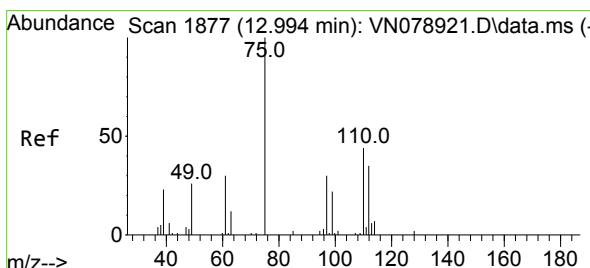
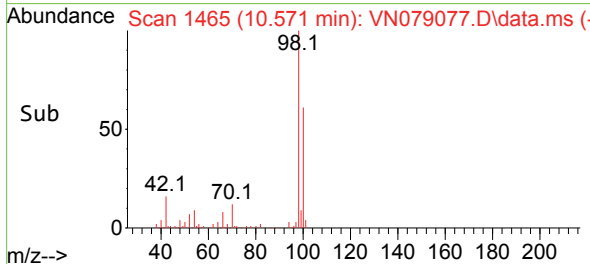
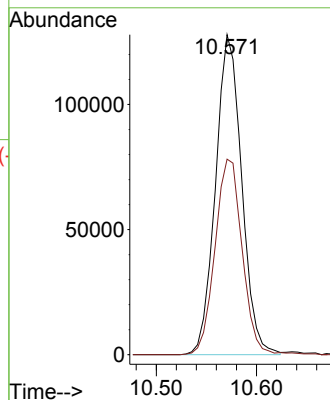
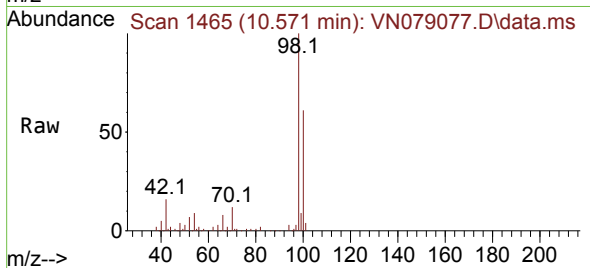
ClientSampleId :

Tgt Ion: 98 Resp: 231848

Ion Ratio Lower Upper

98 100

100 63.0 51.1 76.7



#72

1,2,3-Trichloropropane

Concen: 12.378 ug/l

RT: 12.853 min Scan# 1853

Delta R.T. -0.141 min

Lab File: VN079077.D

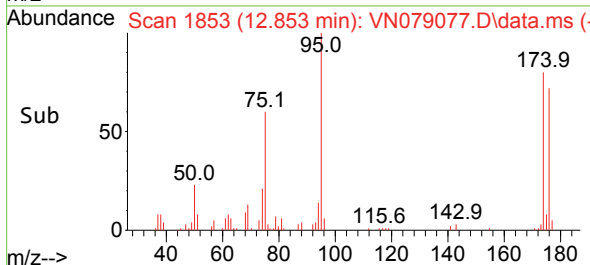
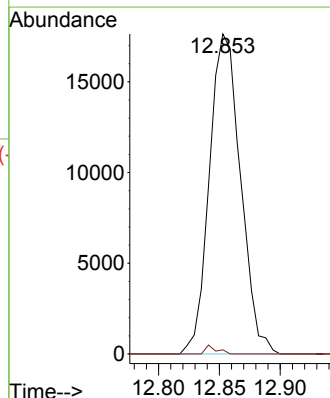
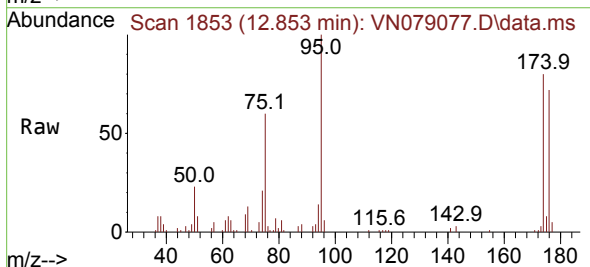
Acq: 28 Aug 2023 19:20

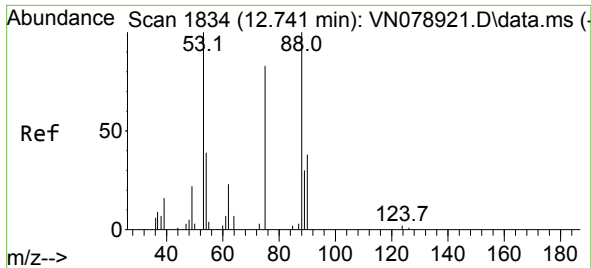
Tgt Ion: 75 Resp: 31428

Ion Ratio Lower Upper

75 100

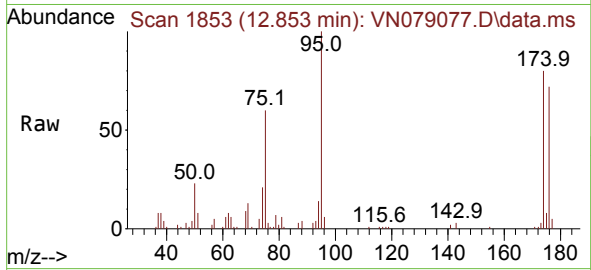
77 1.0 0.0 367.4





#77
 t-1,4-Dichloro-2-butene
 Concen: 33.307 ug/l
 RT: 12.853 min Scan# 11
 Delta R.T. 0.112 min
 Lab File: VN079077.D
 Acq: 28 Aug 2023 19:20

Instrument :
 MSVOA_N
 ClientSampleId :



Tgt Ion: 75 Resp: 31428
 Ion Ratio Lower Upper
 75 100
 53 0.0 60.1 180.3#
 89 0.0 22.9 68.8#

