

Data Path : Z:\voasrv\HPCHEM1\MSVOA_N\Data\VN101723\
 Data File : VN079590.D
 Acq On : 17 Oct 2023 18:45
 Operator : JC\MD
 Sample : 04934-02 10X
 Misc : 5.0mL/MSVOA_N/WATER
 ALS Vial : 22 Sample Multiplier: 1

Instrument :
 MSVOA_N
 ClientSampleId :

Quant Time: Oct 18 02:34:03 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)

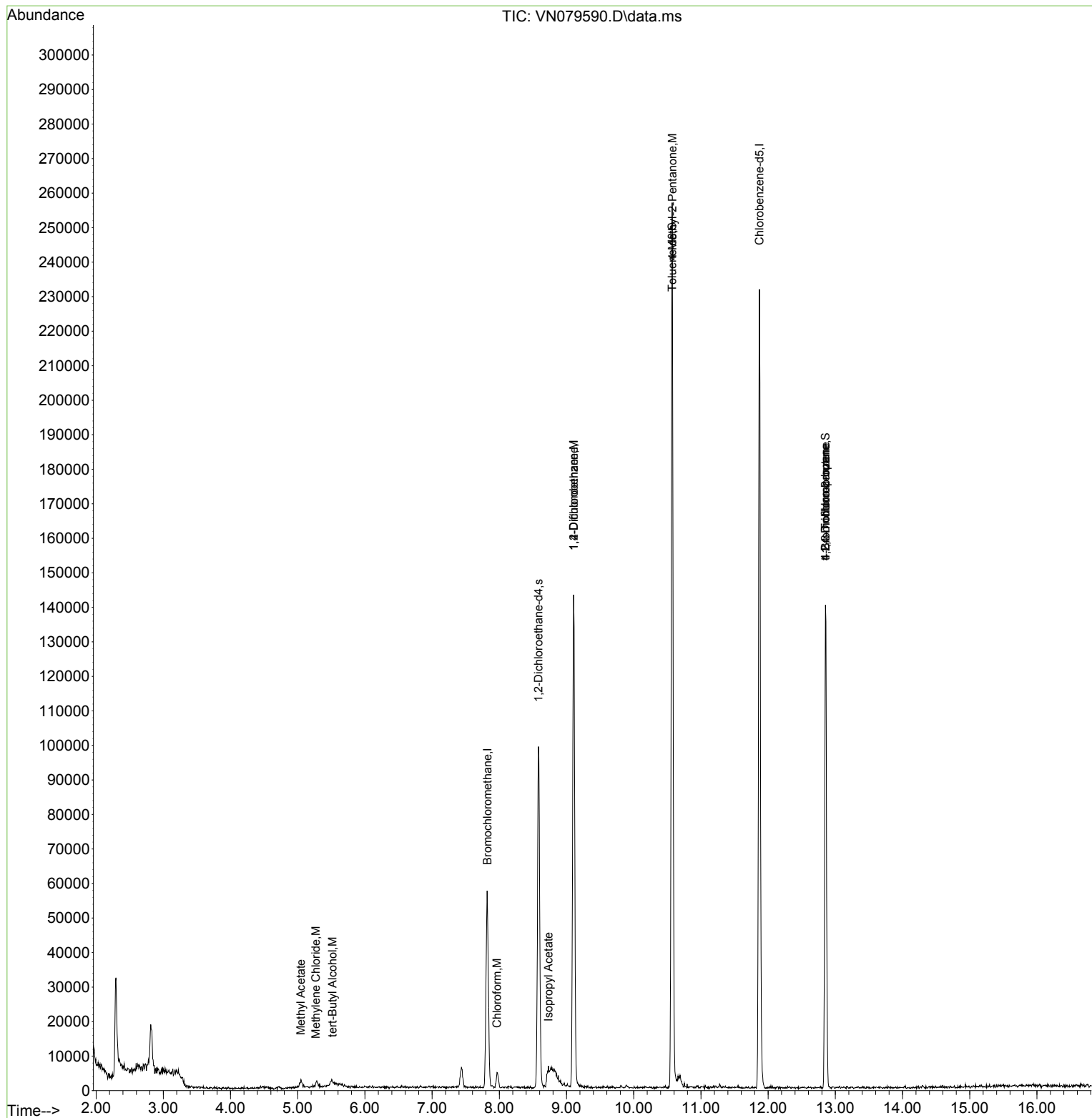
Internal Standards						
1) Bromochloromethane	7.824	128	17917	30.000	ug/l	0.00
28) 1,4-Difluorobenzene	9.106	114	121485	30.000	ug/l	0.00
57) Chlorobenzene-d5	11.871	117	137113	30.000	ug/l	0.00
System Monitoring Compounds						
27) 1,2-Dichloroethane-d4	8.583	65	79758	31.310	ug/l	0.00
Spiked Amount	30.000	Range	91 - 110	Recovery	=	104.367%
60) 4-Bromofluorobenzene	12.853	95	48051	19.164	ug/l	0.00
Spiked Amount	30.000	Range	63 - 112	Recovery	=	63.867%
63) Toluene-d8	10.571	98	171855	29.250	ug/l	0.00
Spiked Amount	30.000	Range	91 - 112	Recovery	=	97.500%
Target Compounds						
					Qvalue	
12) Methyl Acetate	5.048	43	3921	0.674	ug/l #	87
18) Methylene Chloride	5.271	84	671	0.226	ug/l #	33
23) tert-Butyl Alcohol	5.518	59	237	0.509	ug/l #	100
25) Chloroform	7.965	83	4134	0.763	ug/l #	84
36) 1,2-Dichloroethane	9.106	62	5129	1.332	ug/l #	75
44) Isopropyl Acetate	8.730	43	3976	0.668	ug/l	98
58) 4-Methyl-2-Pentanone	10.577	43	955	0.299	ug/l #	1
72) 1,2,3-Trichloropropane	12.853	75	27735	8.767	ug/l	1
77) t-1,4-Dichloro-2-butene	12.853	75	27735	28.726	ug/l #	7

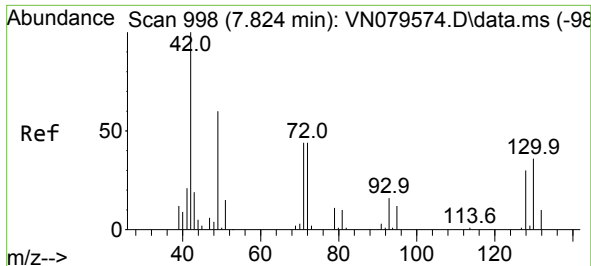
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Data Path : Z:\voasrv\HPCHEM1\MSVOA_N\Data\VN101723\
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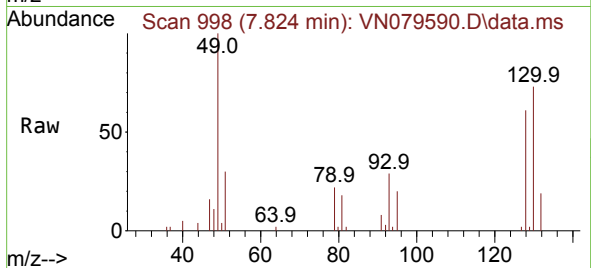
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Quant Method : Z:\voasrv\HPCHEM1\MSVOA_N\methods\624N101723W.M
Quant Title : METHOD 624 VOLATILE ORGANIC ANALYSIS
QLast Update : Wed Oct 18 02:19:15 2023
Response via : Initial Calibration



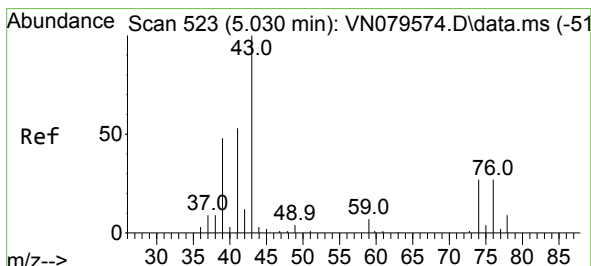
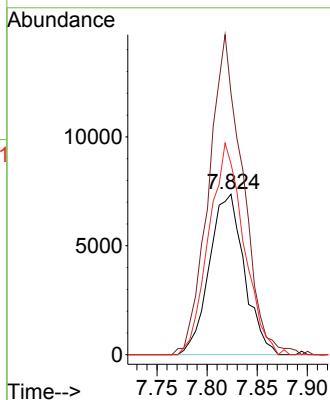
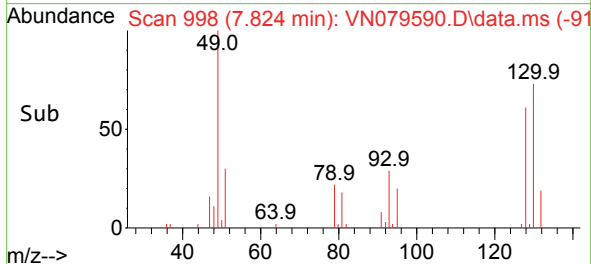


#1
Bromochloromethane
Concen: 30.000 ug/l
RT: 7.824 min Scan# 998
Delta R.T. -0.000 min
Lab File: VN079590.D
Acq: 17 Oct 2023 18:45

Instrument :
MSVOA_N
ClientSampleId :

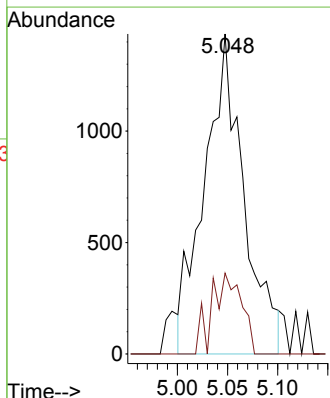
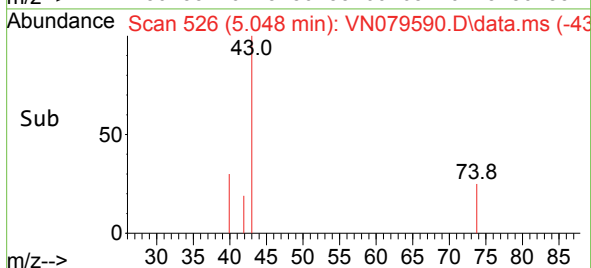
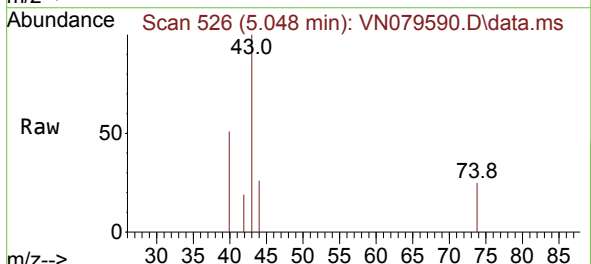


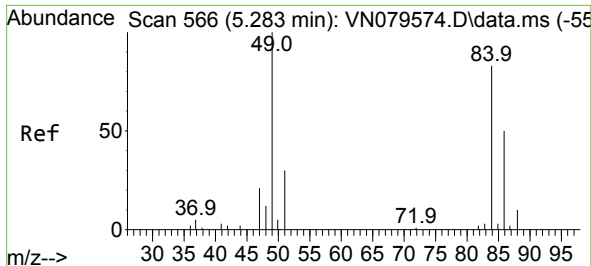
Tgt Ion:128 Resp: 17917
Ion Ratio Lower Upper
128 100
49 193.7 0.0 468.5
130 131.6 0.0 320.7



#12
Methyl Acetate
Concen: 0.674 ug/l
RT: 5.048 min Scan# 526
Delta R.T. 0.018 min
Lab File: VN079590.D
Acq: 17 Oct 2023 18:45

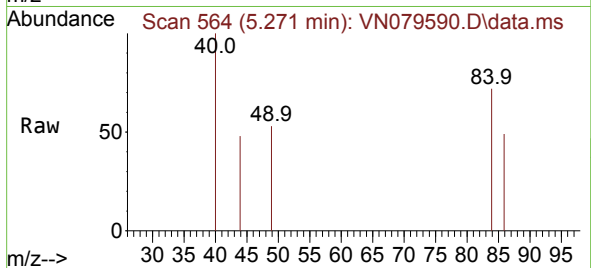
Tgt Ion: 43 Resp: 3921
Ion Ratio Lower Upper
43 100
74 29.0 18.1 27.1#



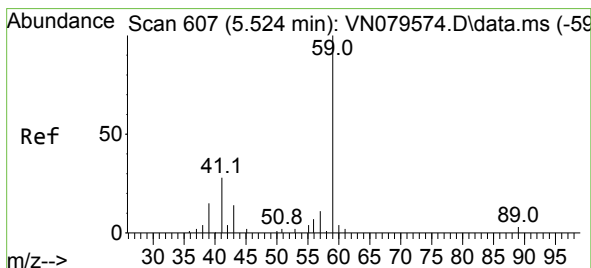
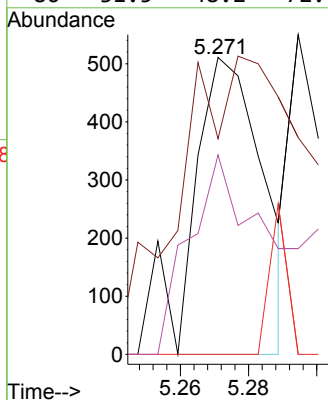
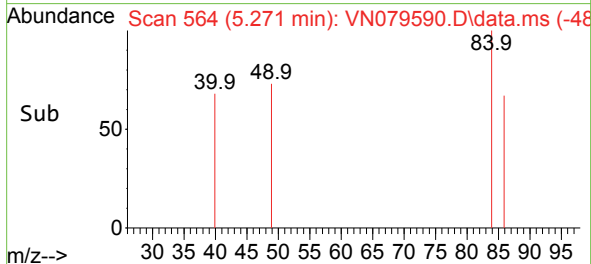


#18
Methylene Chloride
Concen: 0.226 ug/l
RT: 5.271 min Scan# 50
Delta R.T. -0.012 min
Lab File: VN079590.D
Acq: 17 Oct 2023 18:45

Instrument :
MSVOA_N
ClientSampleId :

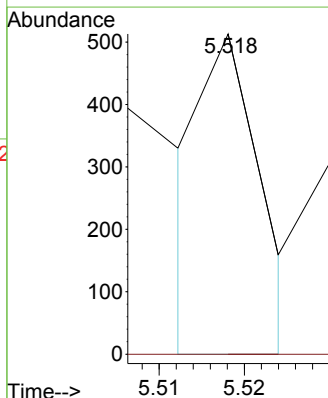
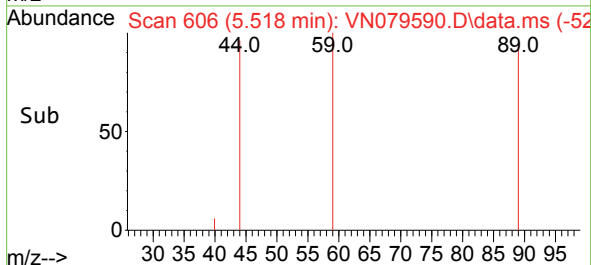
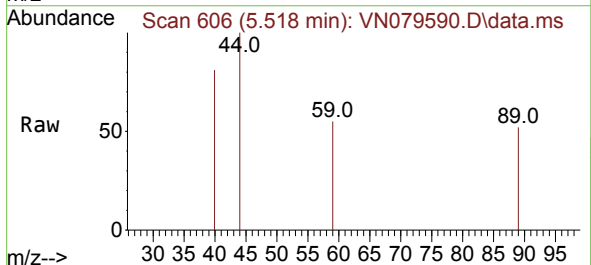


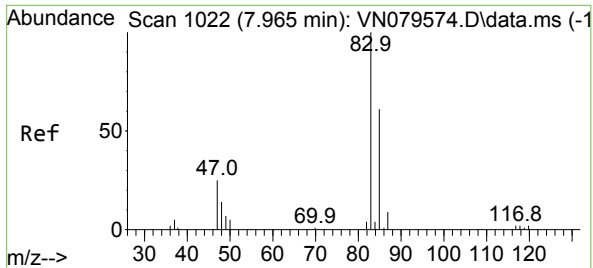
Tgt Ion: 84 Resp: 671
Ion Ratio Lower Upper
84 100
49 30.9 100.9 151.3#
51 0.0 29.4 44.2#
86 31.5 48.2 72.4#



#23
tert-Butyl Alcohol
Concen: 0.509 ug/l
RT: 5.518 min Scan# 606
Delta R.T. -0.006 min
Lab File: VN079590.D
Acq: 17 Oct 2023 18:45

Tgt Ion: 59 Resp: 237
Ion Ratio Lower Upper
59 100
52 0.0 0.0 0.0

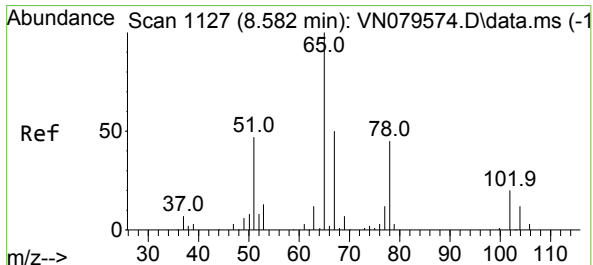
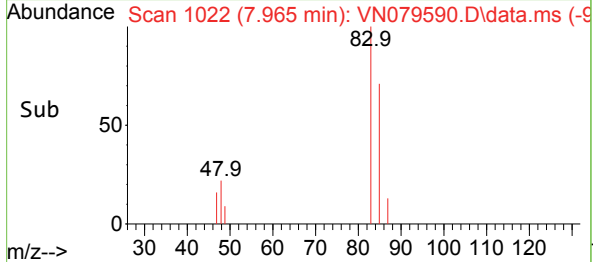
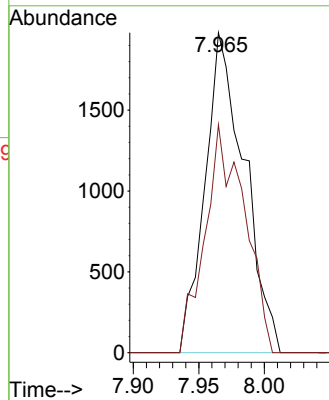
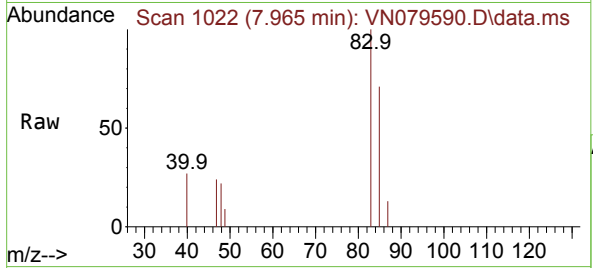




#25
Chloroform
Concen: 0.763 ug/l
RT: 7.965 min Scan# 1022
Delta R.T. 0.000 min
Lab File: VN079590.D
Acq: 17 Oct 2023 18:45

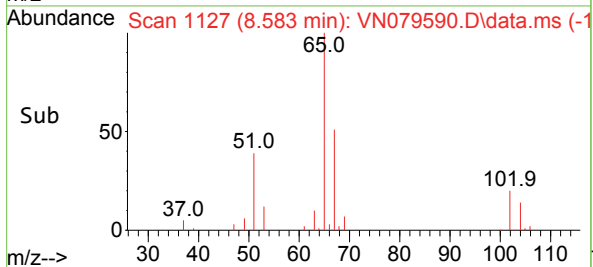
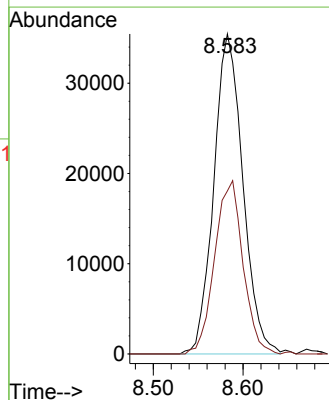
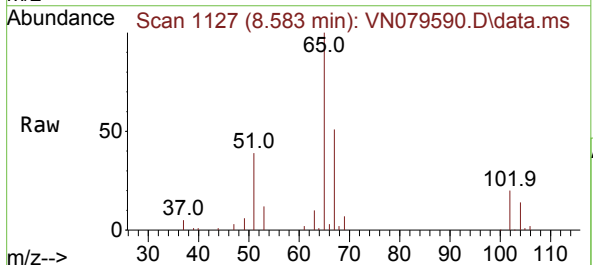
Instrument :
MSVOA_N
ClientSampleId :

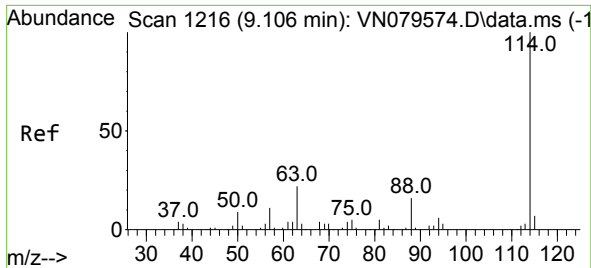
Tgt Ion: 83 Resp: 4134
Ion Ratio Lower Upper
83 100
85 71.2 47.4 71.2#



#27
1,2-Dichloroethane-d4
Concen: 31.310 ug/l
RT: 8.583 min Scan# 1127
Delta R.T. 0.000 min
Lab File: VN079590.D
Acq: 17 Oct 2023 18:45

Tgt Ion: 65 Resp: 79758
Ion Ratio Lower Upper
65 100
67 52.8 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: VN079590.D

Acq: 17 Oct 2023 18:45

Instrument :

MSVOA_N

ClientSampleId :

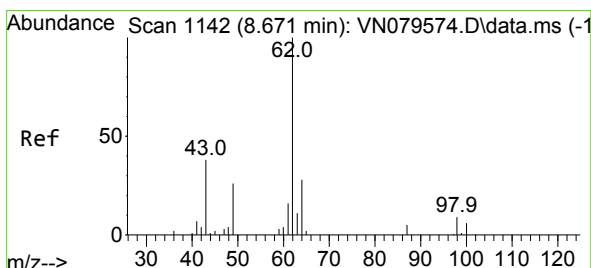
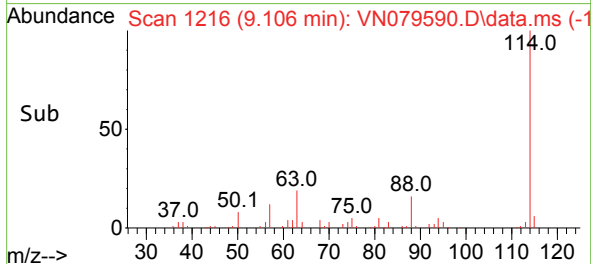
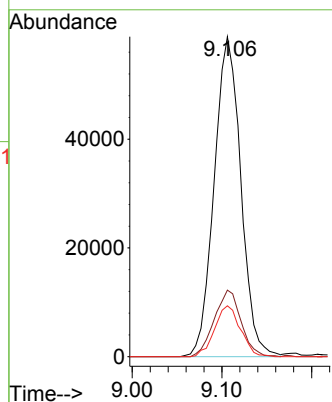
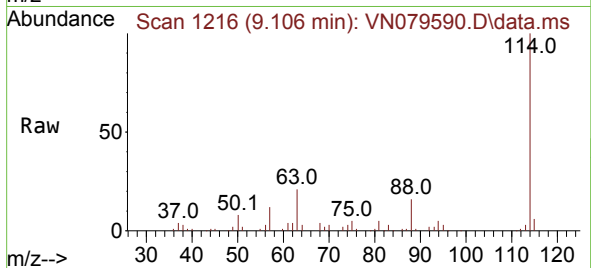
Tgt Ion:114 Resp: 121485

Ion Ratio Lower Upper

114 100

63 20.8 18.1 27.1

88 15.4 12.2 18.2



#36

1,2-Dichloroethane

Concen: 1.332 ug/l

RT: 9.106 min Scan# 1216

Delta R.T. 0.435 min

Lab File: VN079590.D

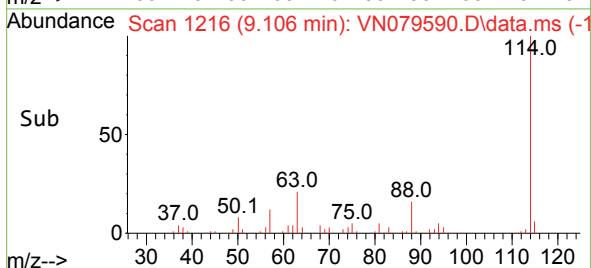
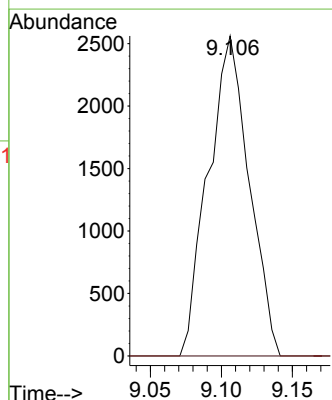
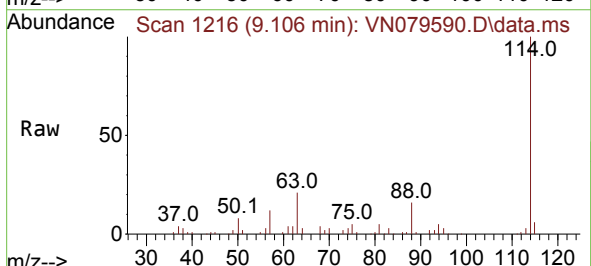
Acq: 17 Oct 2023 18:45

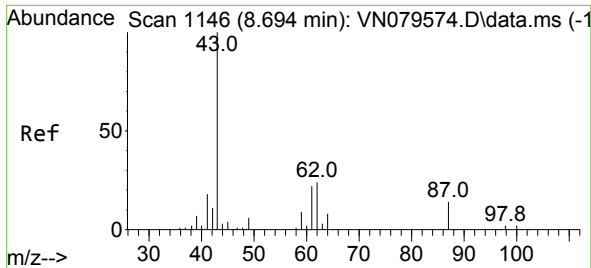
Tgt Ion: 62 Resp: 5129

Ion Ratio Lower Upper

62 100

98 0.0 7.2 10.8#

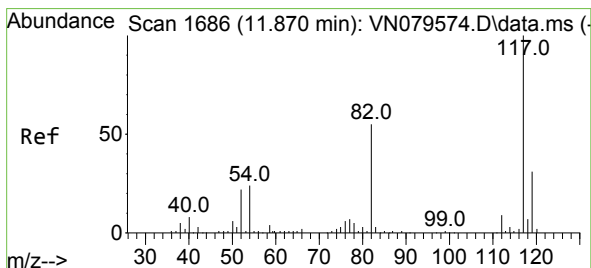
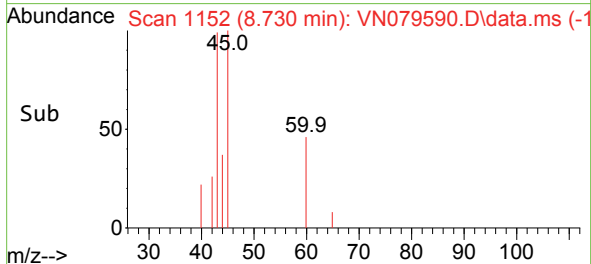
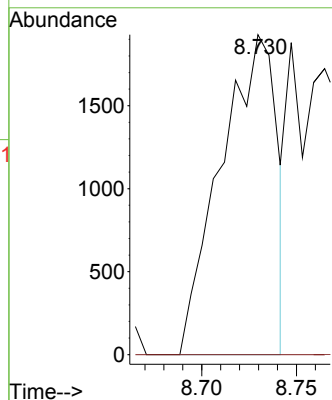
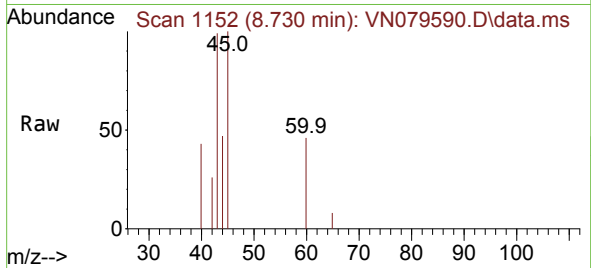




#44
Isopropyl Acetate
Concen: 0.668 ug/l
RT: 8.730 min Scan# 1146
Delta R.T. 0.036 min
Lab File: VN079590.D
Acq: 17 Oct 2023 18:45

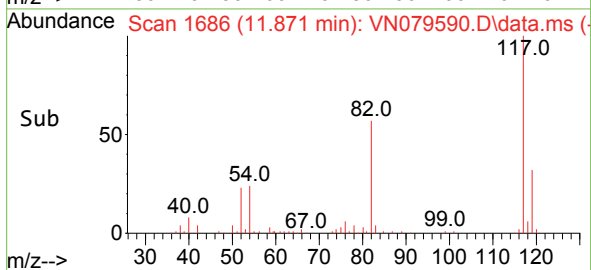
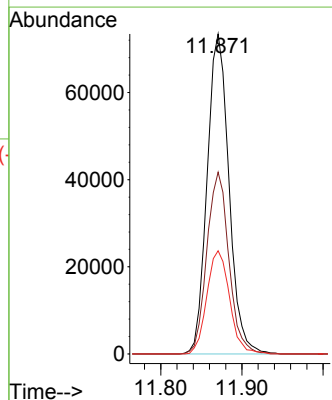
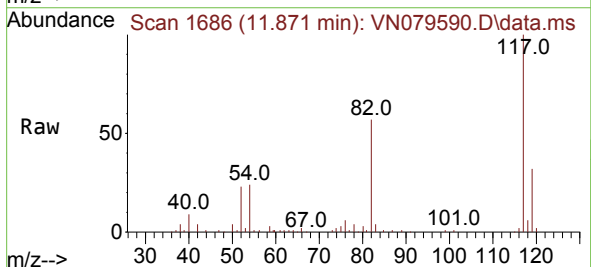
Instrument :
MSVOA_N
ClientSampleId :

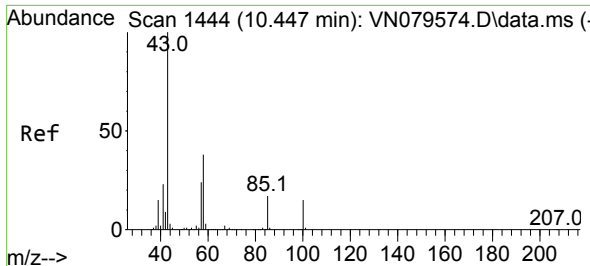
Tgt Ion: 43 Resp: 3976
Ion Ratio Lower Upper
43 100
61 24.3 20.3 30.5



#57
Chlorobenzene-d5
Concen: 30.000 ug/l
RT: 11.871 min Scan# 1686
Delta R.T. 0.000 min
Lab File: VN079590.D
Acq: 17 Oct 2023 18:45

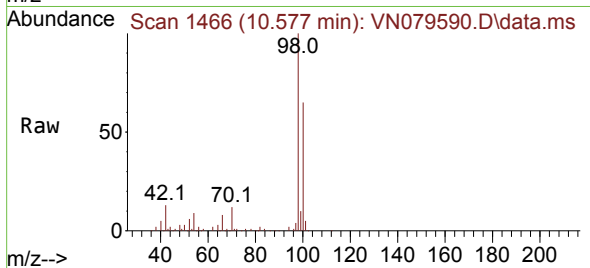
Tgt Ion: 117 Resp: 137113
Ion Ratio Lower Upper
117 100
82 57.4 46.2 69.2
119 33.6 25.2 37.8



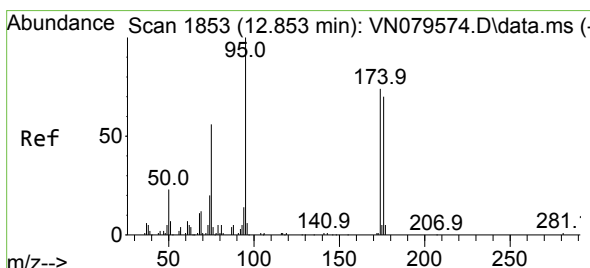
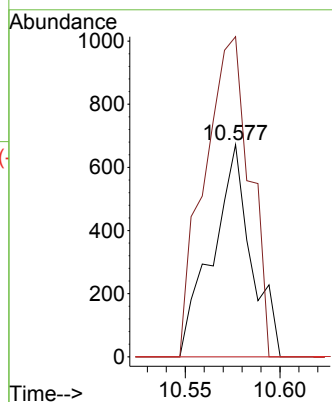
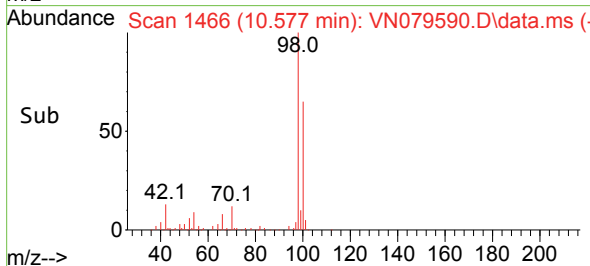


#58
4-Methyl-2-Pentanone
Concen: 0.299 ug/l
RT: 10.577 min Scan# 1444
Delta R.T. 0.130 min
Lab File: VN079590.D
Acq: 17 Oct 2023 18:45

Instrument :
MSVOA_N
ClientSampleId :

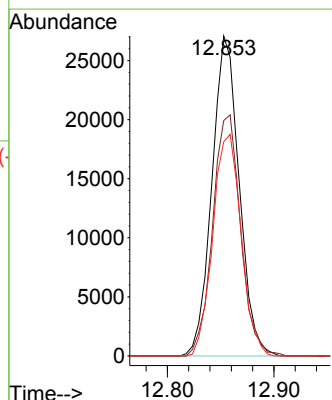
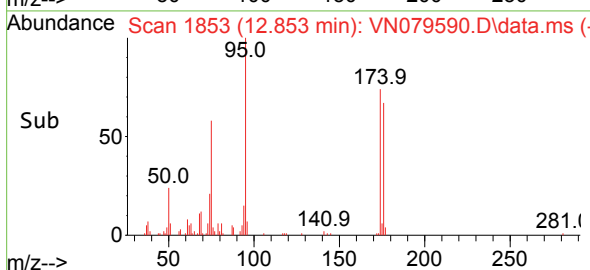
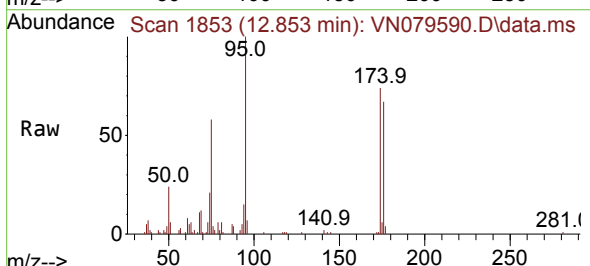


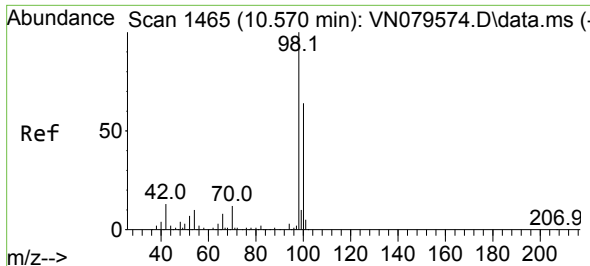
Tgt Ion: 43 Resp: 955
Ion Ratio Lower Upper
43 100
58 177.2 30.4 45.6#
85 0.0 13.2 19.8#



#60
4-Bromofluorobenzene
Concen: 19.164 ug/l
RT: 12.853 min Scan# 1853
Delta R.T. 0.000 min
Lab File: VN079590.D
Acq: 17 Oct 2023 18:45

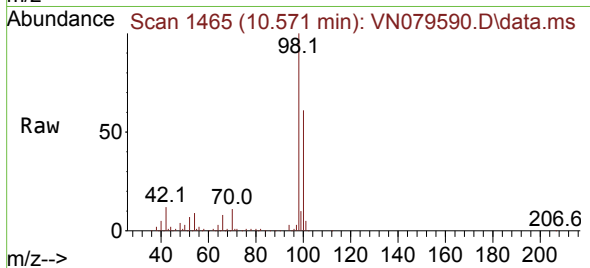
Tgt Ion: 95 Resp: 48051
Ion Ratio Lower Upper
95 100
174 77.0 60.5 90.7
176 71.9 57.2 85.8



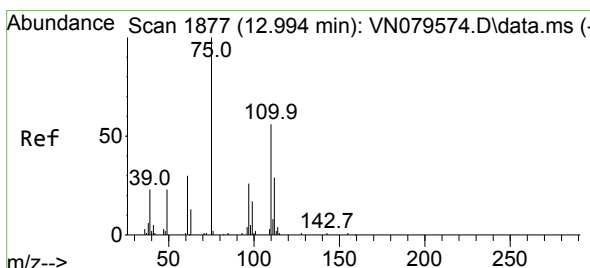
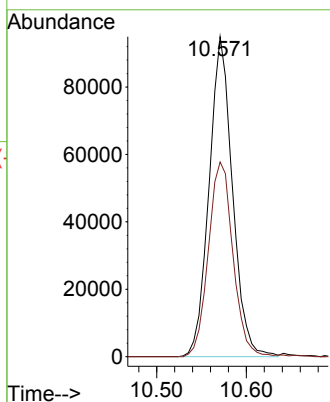
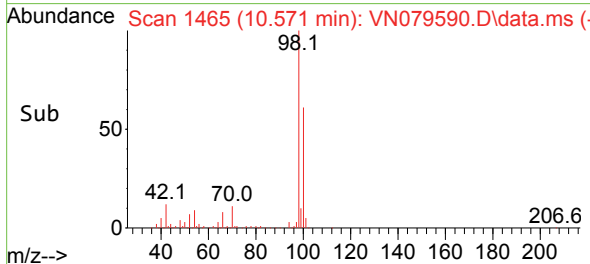


#63
Toluene-d8
Concen: 29.250 ug/l
RT: 10.571 min Scan# 1465
Delta R.T. 0.000 min
Lab File: VN079590.D
Acq: 17 Oct 2023 18:45

Instrument :
MSVOA_N
ClientSampleId :

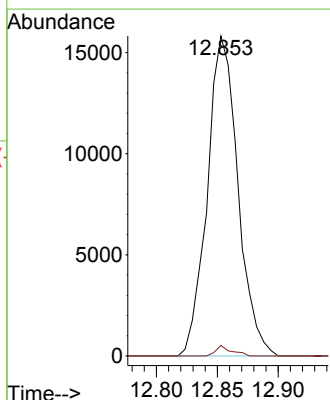
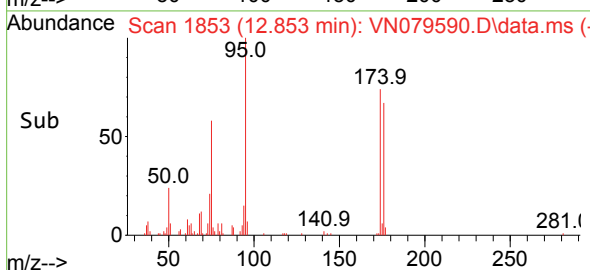
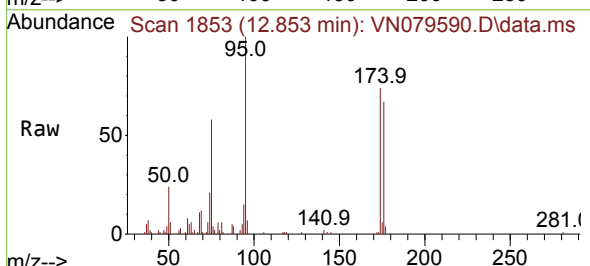


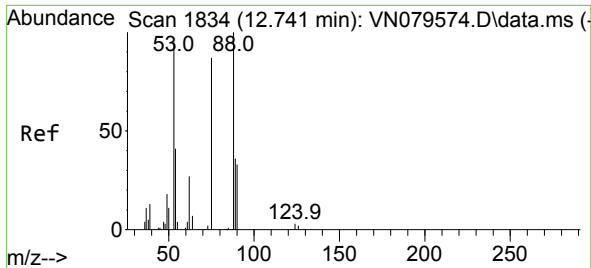
Tgt Ion: 98 Resp: 171855
Ion Ratio Lower Upper
98 100
100 63.8 51.6 77.4



#72
1,2,3-Trichloropropane
Concen: 8.767 ug/l
RT: 12.853 min Scan# 1853
Delta R.T. -0.141 min
Lab File: VN079590.D
Acq: 17 Oct 2023 18:45

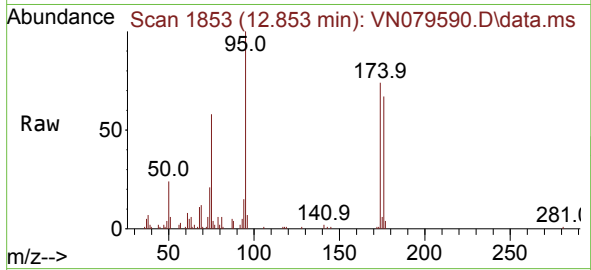
Tgt Ion: 75 Resp: 27735
Ion Ratio Lower Upper
75 100
77 1.7 0.0 338.2





#77
 t-1,4-Dichloro-2-butene
 Concen: 28.726 ug/l
 RT: 12.853 min Scan# 11
 Delta R.T. 0.112 min
 Lab File: VN079590.D
 Acq: 17 Oct 2023 18:45

Instrument :
 MSVOA_N
 ClientSampleId :



Tgt Ion: 75 Resp: 27735
 Ion Ratio Lower Upper
 75 100
 53 0.0 53.0 159.1#
 89 0.0 22.6 67.7#

