

Data Path : Z:\voasrv\HPCHEM1\MSVOA_N\Data\VN101723\
 Data File : VN079592.D
 Acq On : 17 Oct 2023 19:33
 Operator : JC\MD
 Sample : 04934-04 10X
 Misc : 5.0mL/MSVOA_N/WATER
 ALS Vial : 24 Sample Multiplier: 1

Instrument :
 MSVOA_N
 ClientSampleId :

Quant Time: Oct 18 02:34:46 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)

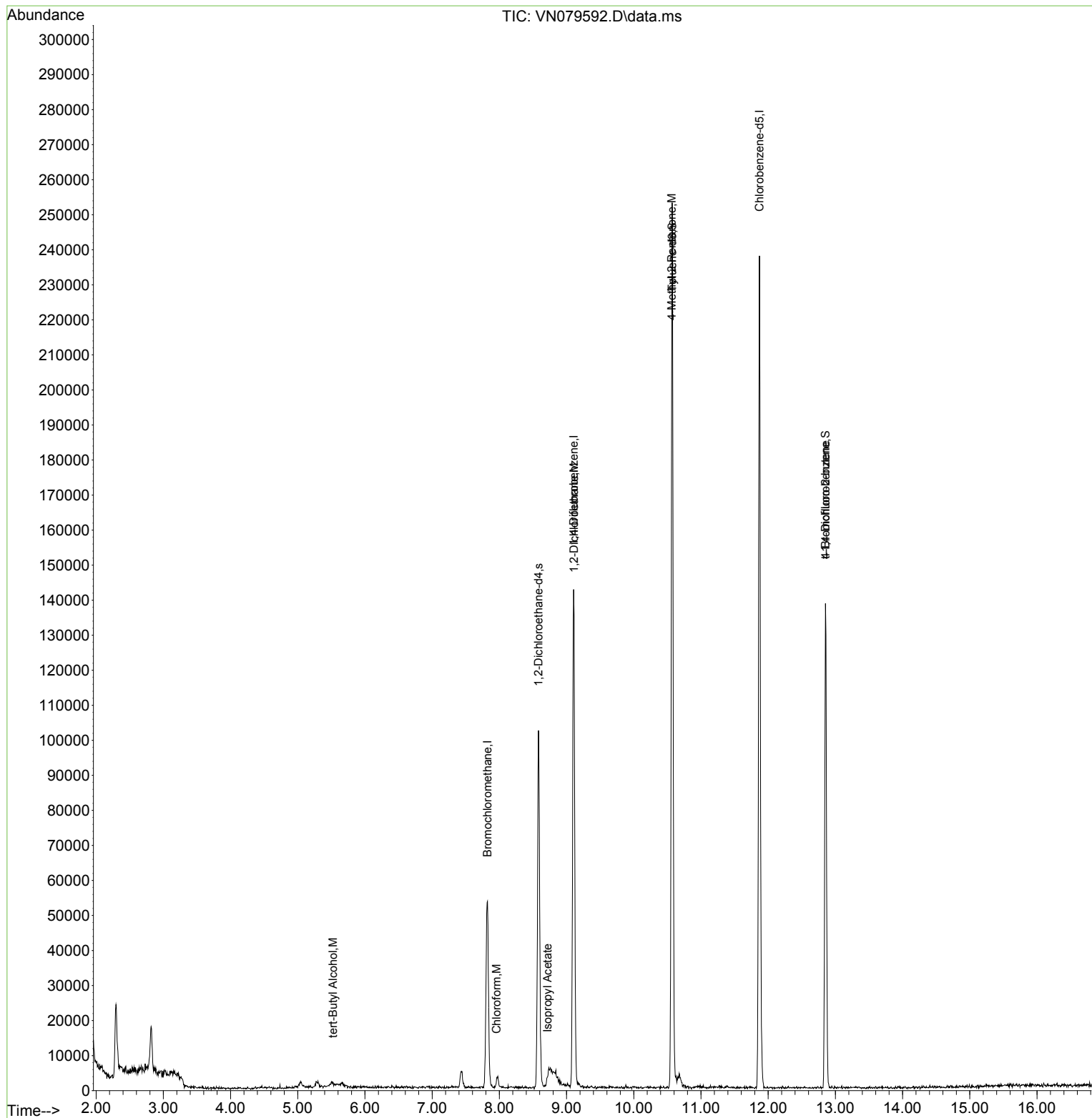
Internal Standards						
1) Bromochloromethane	7.824	128	18813	30.000	ug/l	0.00
28) 1,4-Difluorobenzene	9.106	114	119848	30.000	ug/l	0.00
57) Chlorobenzene-d5	11.870	117	137233	30.000	ug/l	0.00
System Monitoring Compounds						
27) 1,2-Dichloroethane-d4	8.582	65	80249	30.002	ug/l	0.00
Spiked Amount	30.000	Range	91 - 110	Recovery	=	100.000%
60) 4-Bromofluorobenzene	12.853	95	48414	19.291	ug/l	0.00
Spiked Amount	30.000	Range	63 - 112	Recovery	=	64.300%
63) Toluene-d8	10.571	98	173359	29.480	ug/l	0.00
Spiked Amount	30.000	Range	91 - 112	Recovery	=	98.267%
Target Compounds						
					Qvalue	
23) tert-Butyl Alcohol	5.524	59	165	0.337	ug/l #	100
25) Chloroform	7.959	83	1453	0.255	ug/l #	82
36) 1,2-Dichloroethane	9.112	62	5273	1.388	ug/l #	75
44) Isopropyl Acetate	8.718	43	1509	0.257	ug/l #	50
58) 4-Methyl-2-Pentanone	10.565	43	812	0.254	ug/l #	1
77) t-1,4-Dichloro-2-butene	12.853	75	27070	28.012	ug/l #	7

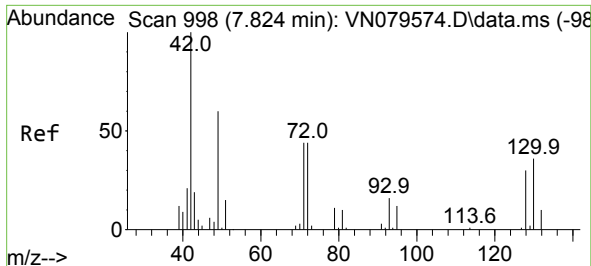
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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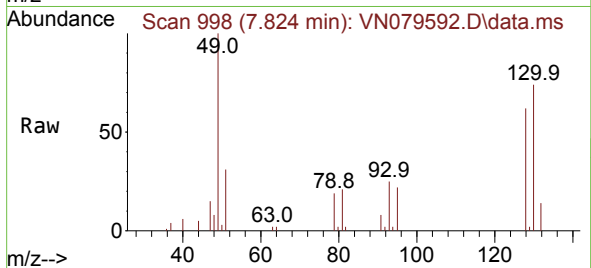
Quant Time: Oct 18 02:34:46 2023
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_N\methods\624N101723W.M
Quant Title : METHOD 624 VOLATILE ORGANIC ANALYSIS
QLast Update : Wed Oct 18 02:19:15 2023
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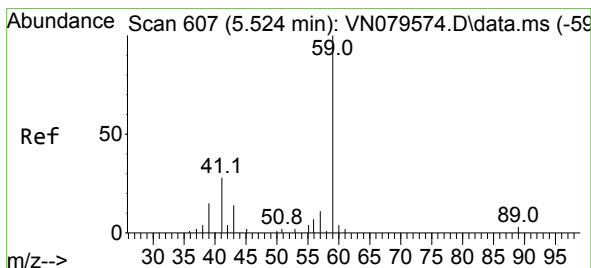
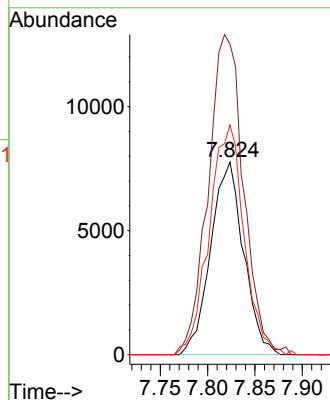
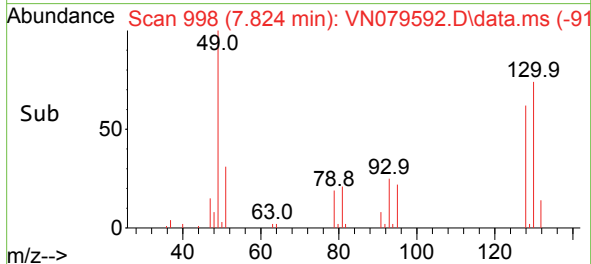


#1
Bromochloromethane
Concen: 30.000 ug/l
RT: 7.824 min Scan# 998
Delta R.T. -0.000 min
Lab File: VN079592.D
Acq: 17 Oct 2023 19:33

Instrument :
MSVOA_N
ClientSampleId :

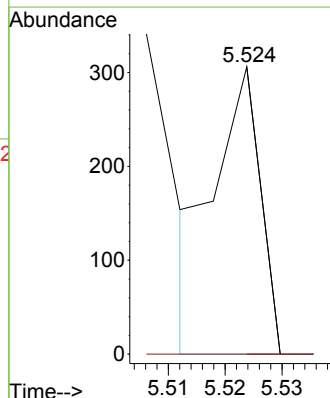
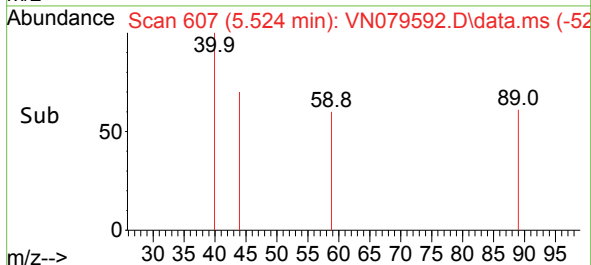
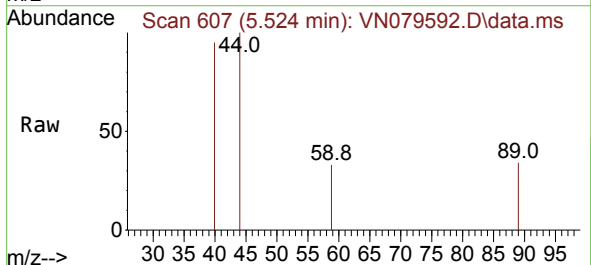


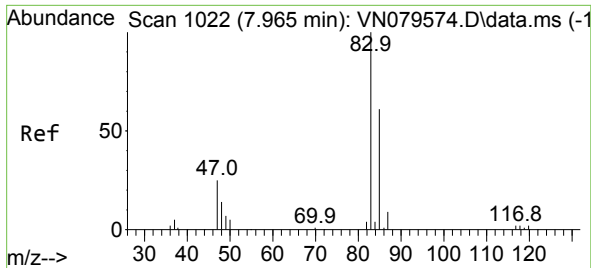
Tgt Ion:128 Resp: 18813
Ion Ratio Lower Upper
128 100
49 177.7 0.0 468.5
130 126.2 0.0 320.7



#23
tert-Butyl Alcohol
Concen: 0.337 ug/l
RT: 5.524 min Scan# 607
Delta R.T. 0.000 min
Lab File: VN079592.D
Acq: 17 Oct 2023 19:33

Tgt Ion: 59 Resp: 165
Ion Ratio Lower Upper
59 100
52 0.0 0.0 0.0

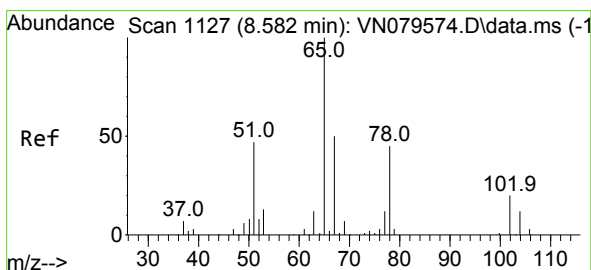
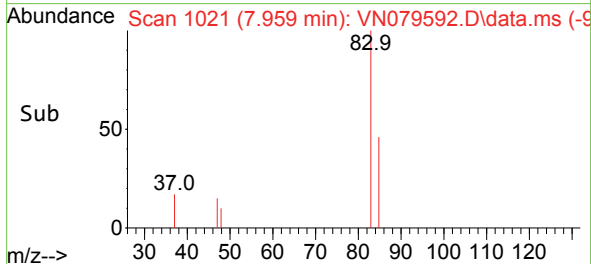
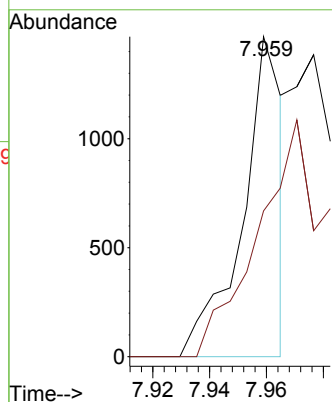
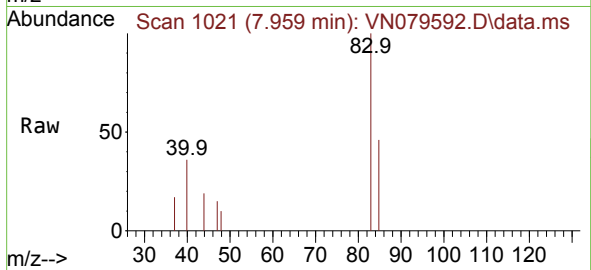




#25
Chloroform
Concen: 0.255 ug/l
RT: 7.959 min Scan# 1021
Delta R.T. -0.006 min
Lab File: VN079592.D
Acq: 17 Oct 2023 19:33

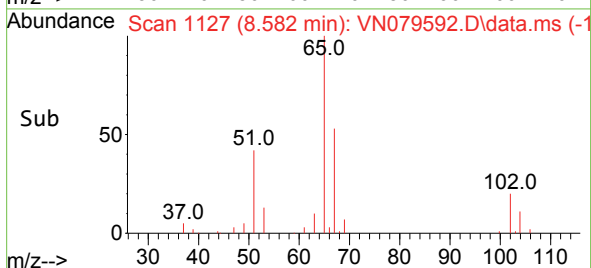
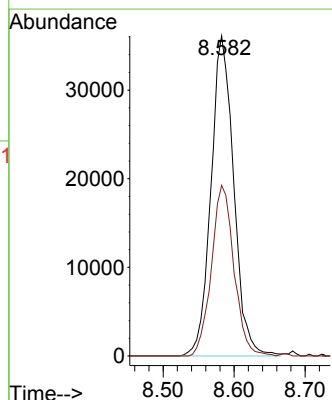
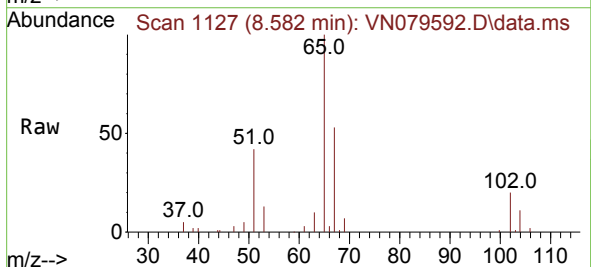
Instrument :
MSVOA_N
ClientSampleId :

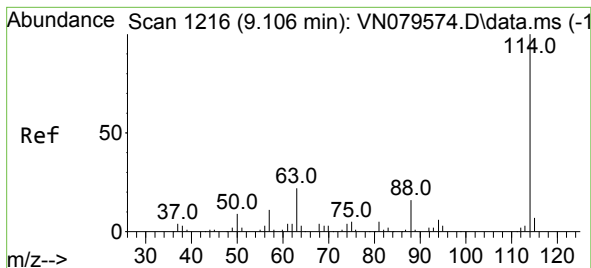
Tgt Ion: 83 Resp: 1453
Ion Ratio Lower Upper
83 100
85 45.6 47.4 71.2#



#27
1,2-Dichloroethane-d4
Concen: 30.002 ug/l
RT: 8.582 min Scan# 1127
Delta R.T. 0.000 min
Lab File: VN079592.D
Acq: 17 Oct 2023 19:33

Tgt Ion: 65 Resp: 80249
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# 11

Delta R.T. 0.000 min

Lab File: VN079592.D

Acq: 17 Oct 2023 19:33

Instrument :

MSVOA_N

ClientSampleId :

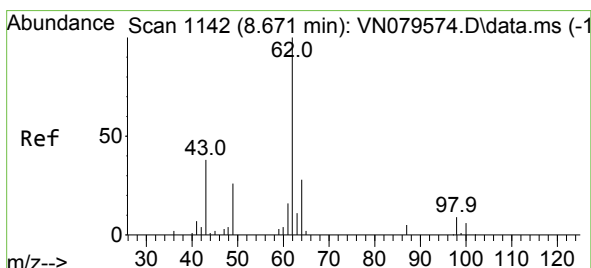
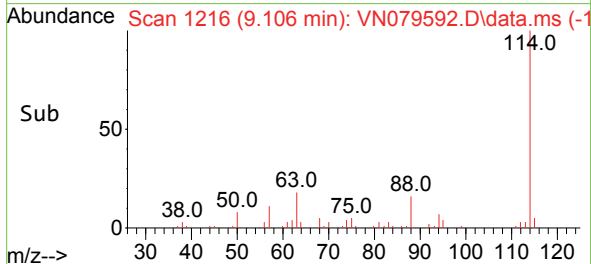
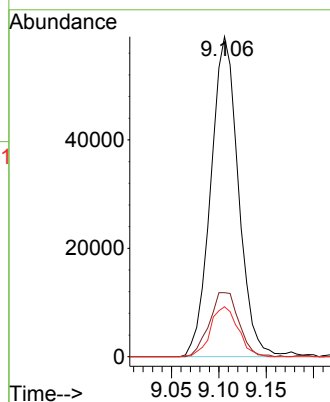
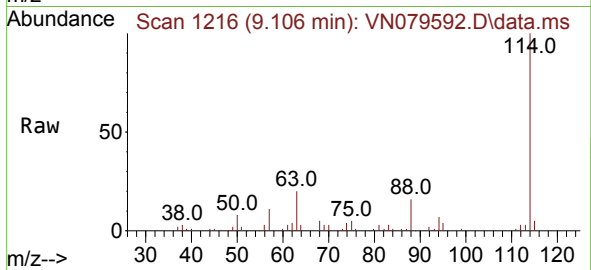
Tgt Ion:114 Resp: 119848

Ion Ratio Lower Upper

114 100

63 21.2 18.1 27.1

88 15.6 12.2 18.2



#36

1,2-Dichloroethane

Concen: 1.388 ug/l

RT: 9.112 min Scan# 1217

Delta R.T. 0.441 min

Lab File: VN079592.D

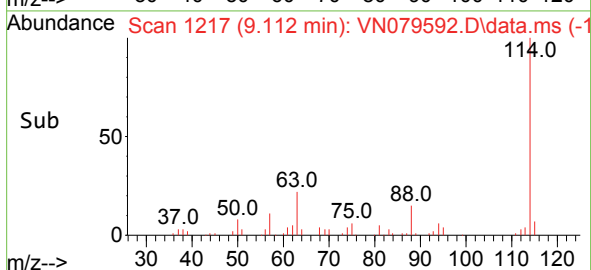
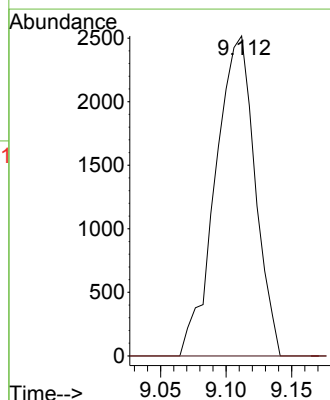
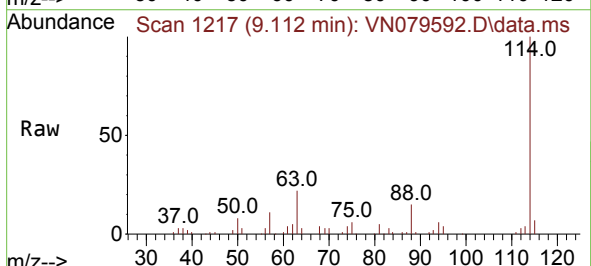
Acq: 17 Oct 2023 19:33

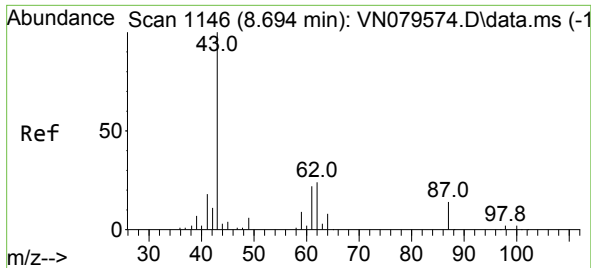
Tgt Ion: 62 Resp: 5273

Ion Ratio Lower Upper

62 100

98 0.0 7.2 10.8#

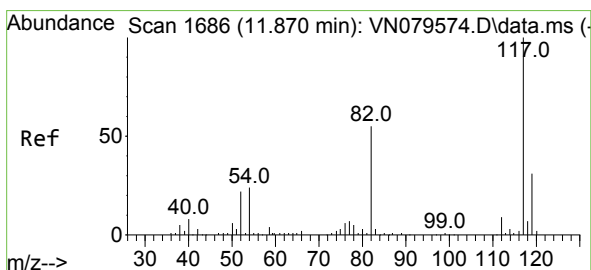
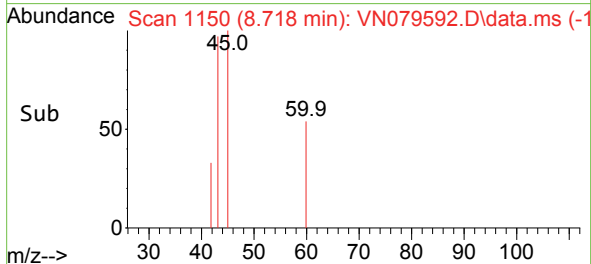
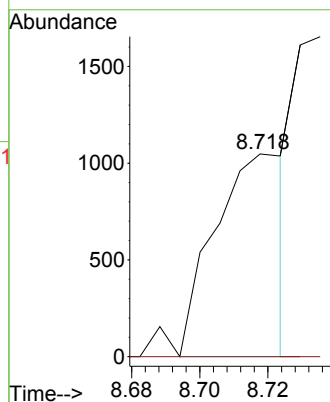
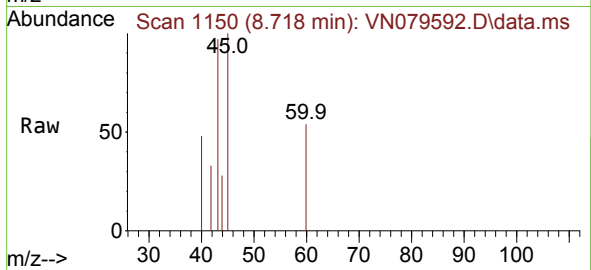




#44
Isopropyl Acetate
Concen: 0.257 ug/l
RT: 8.718 min Scan# 1150
Delta R.T. 0.024 min
Lab File: VN079592.D
Acq: 17 Oct 2023 19:33

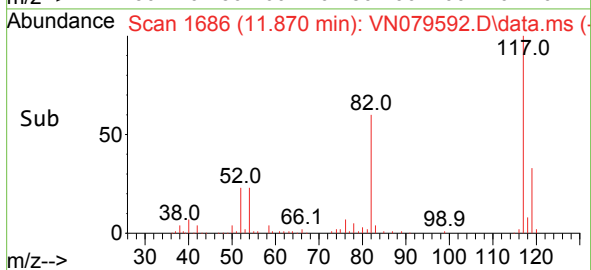
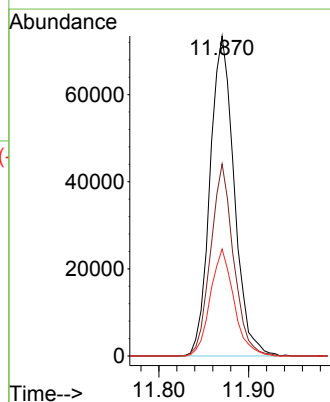
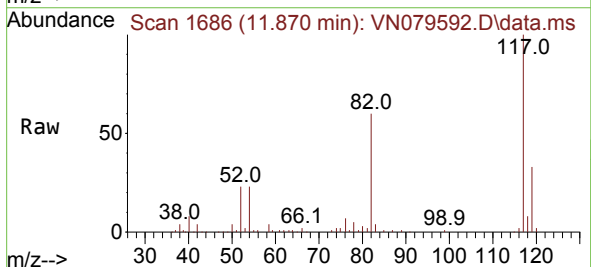
Instrument :
MSVOA_N
ClientSampleId :

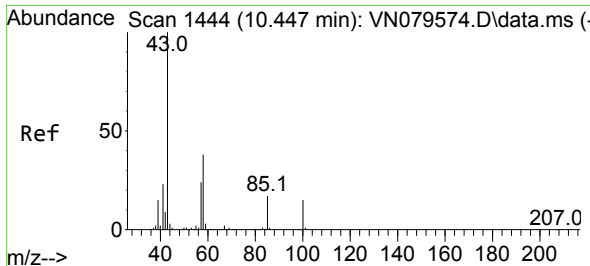
Tgt Ion: 43 Resp: 1509
Ion Ratio Lower Upper
43 100
61 0.0 20.3 30.5#



#57
Chlorobenzene-d5
Concen: 30.000 ug/l
RT: 11.870 min Scan# 1686
Delta R.T. 0.000 min
Lab File: VN079592.D
Acq: 17 Oct 2023 19:33

Tgt Ion: 117 Resp: 137233
Ion Ratio Lower Upper
117 100
82 57.1 46.2 69.2
119 32.7 25.2 37.8

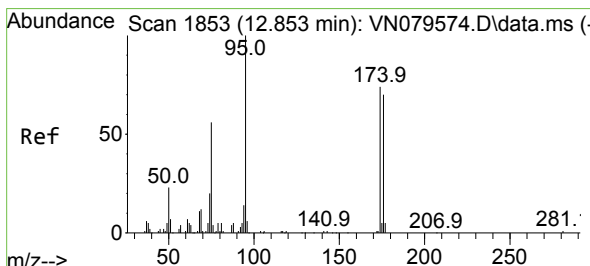
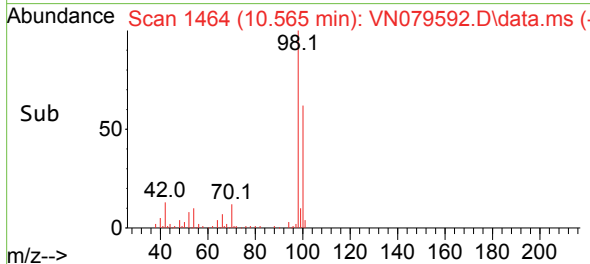
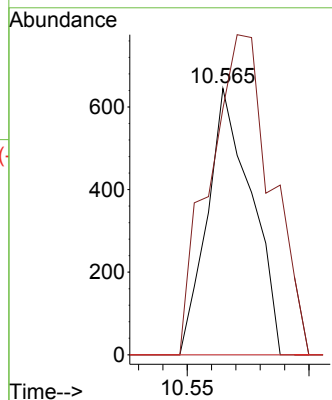
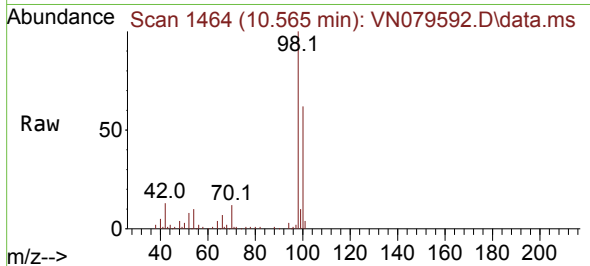




#58
 4-Methyl-2-Pentanone
 Concen: 0.254 ug/l
 RT: 10.565 min Scan# 1444
 Delta R.T. 0.118 min
 Lab File: VN079592.D
 Acq: 17 Oct 2023 19:33

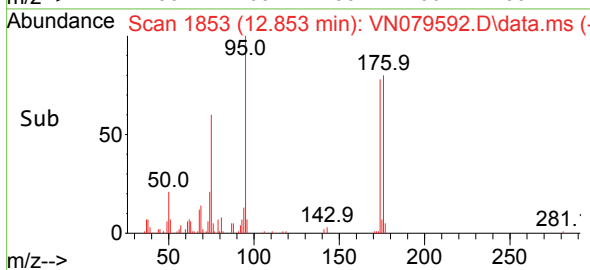
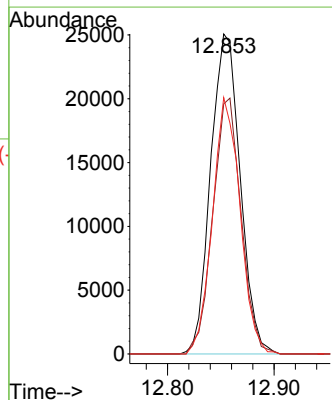
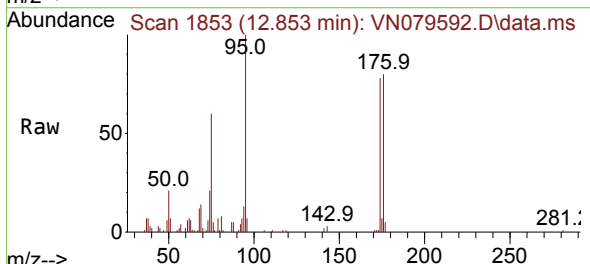
Instrument :
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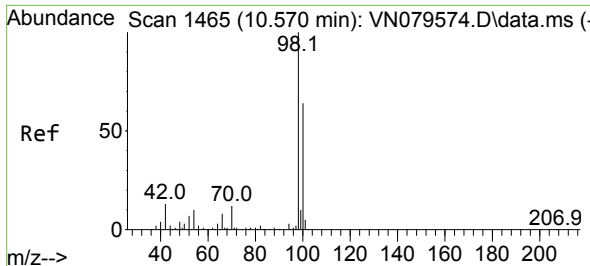
Tgt Ion: 43 Resp: 812
 Ion Ratio Lower Upper
 43 100
 58 168.7 30.4 45.6#
 85 0.0 13.2 19.8#



#60
 4-Bromofluorobenzene
 Concen: 19.291 ug/l
 RT: 12.853 min Scan# 1853
 Delta R.T. 0.000 min
 Lab File: VN079592.D
 Acq: 17 Oct 2023 19:33

Tgt Ion: 95 Resp: 48414
 Ion Ratio Lower Upper
 95 100
 174 76.1 60.5 90.7
 176 74.6 57.2 85.8

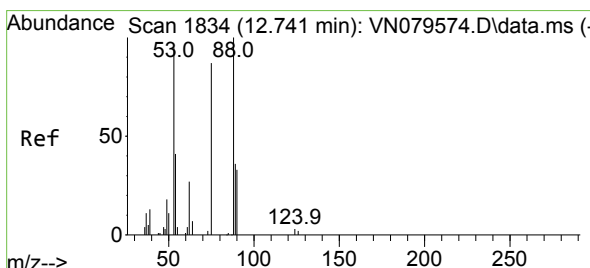
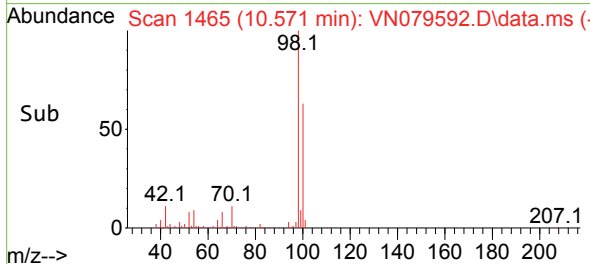
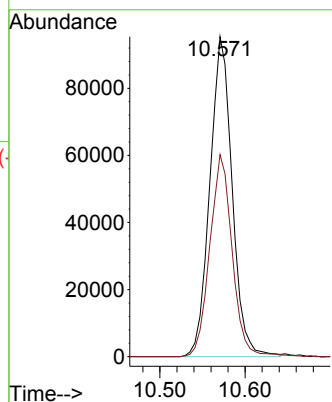
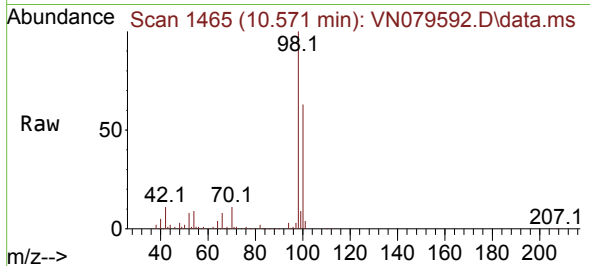




#63
Toluene-d8
Concen: 29.480 ug/l
RT: 10.571 min Scan# 1465
Delta R.T. 0.000 min
Lab File: VN079592.D
Acq: 17 Oct 2023 19:33

Instrument :
MSVOA_N
ClientSampleId :

Tgt Ion: 98 Resp: 173359
Ion Ratio Lower Upper
98 100
100 63.4 51.6 77.4



#77
t-1,4-Dichloro-2-butene
Concen: 28.012 ug/l
RT: 12.853 min Scan# 1853
Delta R.T. 0.112 min
Lab File: VN079592.D
Acq: 17 Oct 2023 19:33

Tgt Ion: 75 Resp: 27070
Ion Ratio Lower Upper
75 100
53 0.0 53.0 159.1#
89 0.0 22.6 67.7#

