

Data Path : Z:\voasrv\HPCHEM1\MSVOA_N\Data\VN082823\
 Data File : VN079062.D
 Acq On : 28 Aug 2023 13:08
 Operator : JC\MD
 Sample : 04152-01
 Misc : 5.0mL/MSVOA_N/WATER
 ALS Vial : 7 Sample Multiplier: 1

Instrument :
 MSVOA_N
 ClientSampleId :

Quant Time: Aug 28 17:34:38 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)

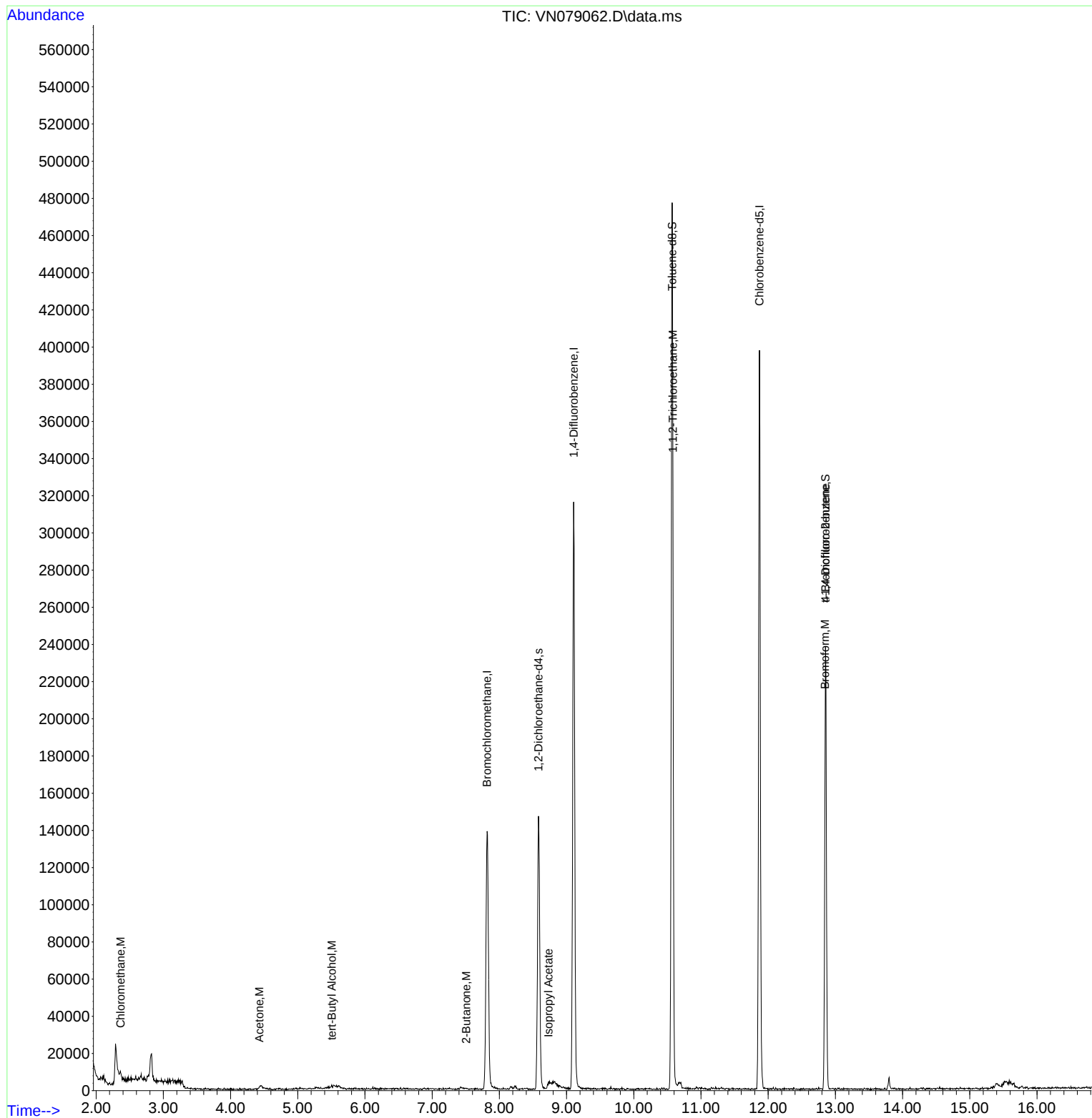
Internal Standards						
1) Bromochloromethane	7.818	128	47467	30.000	ug/l	0.00
28) 1,4-Difluorobenzene	9.106	114	263433	30.000	ug/l	0.00
57) Chlorobenzene-d5	11.871	117	221229	30.000	ug/l	0.00
System Monitoring Compounds						
27) 1,2-Dichloroethane-d4	8.583	65	117828	30.640	ug/l	0.00
Spiked Amount	30.000	Range	91 - 110	Recovery	=	102.133%
60) 4-Bromofluorobenzene	12.853	95	81019	25.106	ug/l	0.00
Spiked Amount	30.000	Range	63 - 112	Recovery	=	83.700%
63) Toluene-d8	10.571	98	323151	31.279	ug/l	0.00
Spiked Amount	30.000	Range	91 - 112	Recovery	=	104.267%
Target Compounds						
					Qvalue	
3) Chloromethane	2.365	50	3083	0.859	ug/l	89
15) Acetone	4.430	58	240	0.505	ug/l #	1
23) tert-Butyl Alcohol	5.506	59	316	0.547	ug/l #	100
30) 2-Butanone	7.506	43	577	0.246	ug/l #	58
44) Isopropyl Acetate	8.730	43	2266	0.283	ug/l #	39
50) 1,1,2-Trichloroethane	10.582	97	11054	3.772	ug/l #	1
56) Bromoform	12.847	173	714	0.316	ug/l #	1
77) t-1,4-Dichloro-2-butene	12.853	75	45503	35.379	ug/l #	3

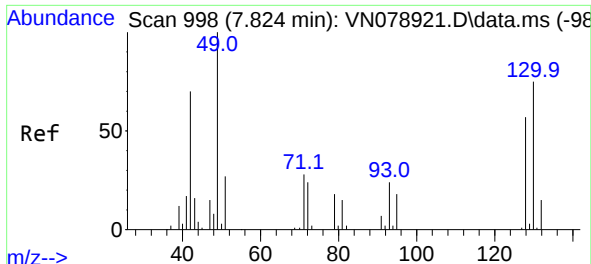
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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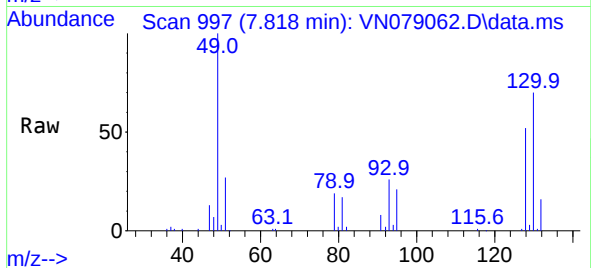
Quant Time: Aug 28 17:34:38 2023
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_N\methods\624N081723W.M
Quant Title : METHOD 624 VOLATILE ORGANIC ANALYSIS
QLast Update : Fri Aug 18 05:21:14 2023
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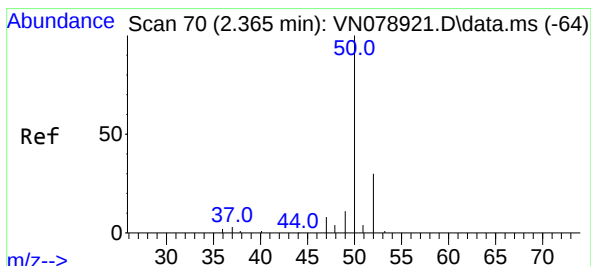
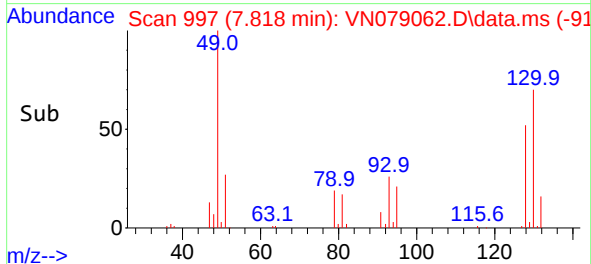
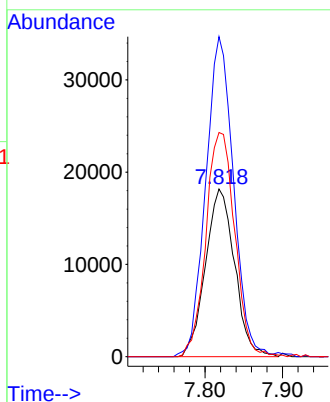


#1
Bromochloromethane
Concen: 30.000 ug/l
RT: 7.818 min Scan# 91
Delta R.T. -0.006 min
Lab File: VN079062.D
Acq: 28 Aug 2023 13:08

Instrument :
MSVOA_N
ClientSampleId :

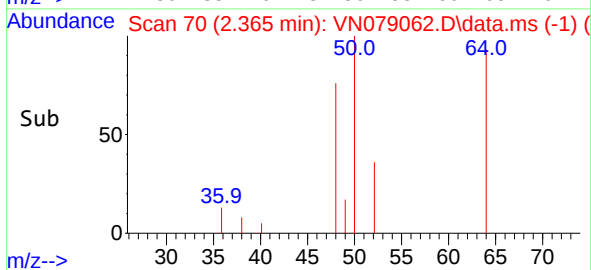
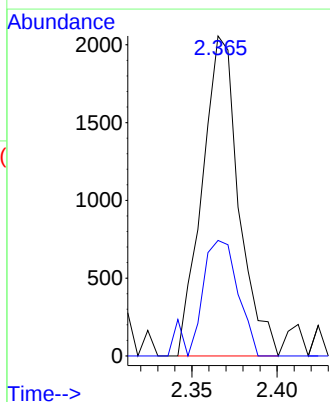
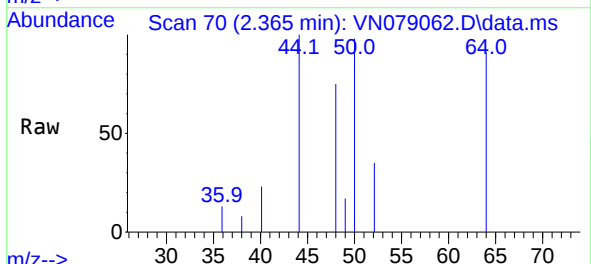


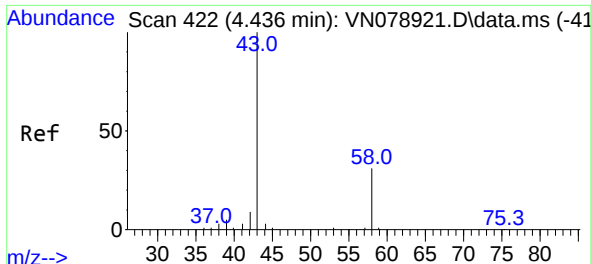
Tgt Ion:128 Resp: 47467
Ion Ratio Lower Upper
128 100
49 181.3 0.0 481.8
130 131.7 0.0 320.5



#3
Chloromethane
Concen: 0.859 ug/l
RT: 2.365 min Scan# 70
Delta R.T. 0.000 min
Lab File: VN079062.D
Acq: 28 Aug 2023 13:08

Tgt Ion: 50 Resp: 3083
Ion Ratio Lower Upper
50 100
52 36.1 24.2 36.4





#15

Acetone

Concen: 0.505 ug/l

RT: 4.430 min Scan# 41

Delta R.T. -0.006 min

Lab File: VN079062.D

Acq: 28 Aug 2023 13:08

Instrument :

MSVOA_N

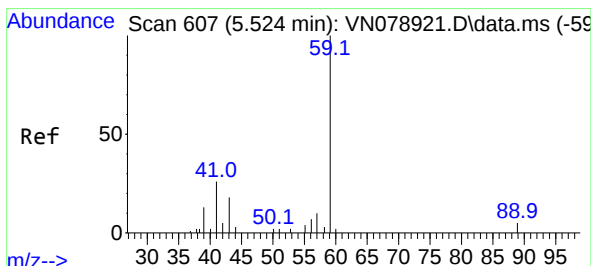
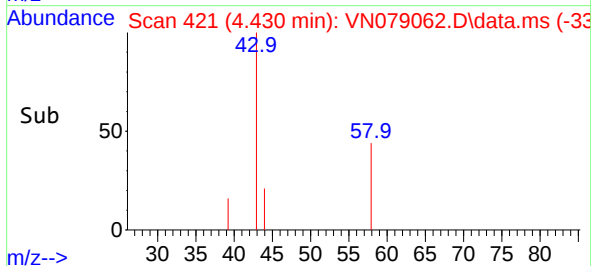
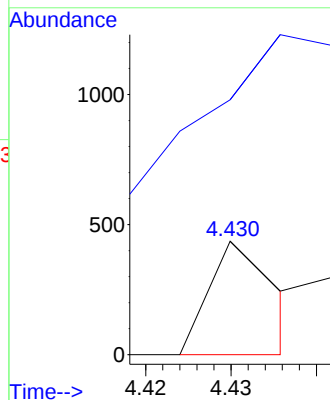
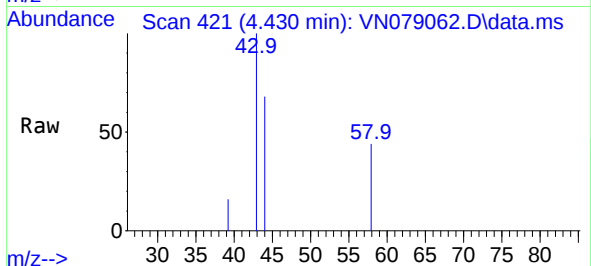
ClientSampleId :

Tgt Ion: 58 Resp: 240

Ion Ratio Lower Upper

58 100

43 27.8 260.6 390.8#



#23

tert-Butyl Alcohol

Concen: 0.547 ug/l

RT: 5.506 min Scan# 604

Delta R.T. -0.017 min

Lab File: VN079062.D

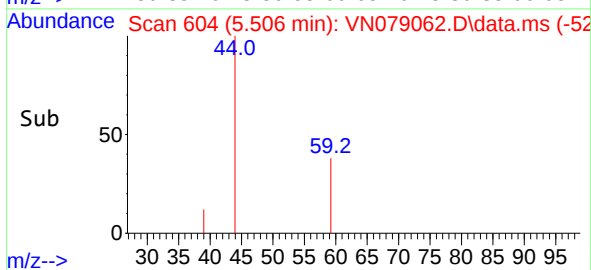
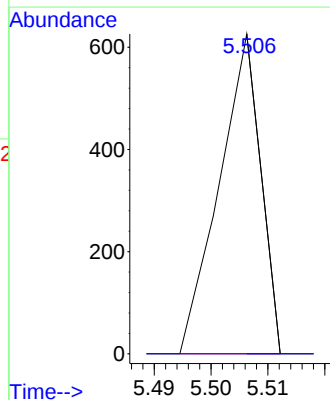
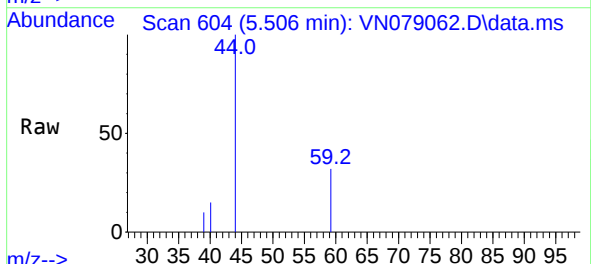
Acq: 28 Aug 2023 13:08

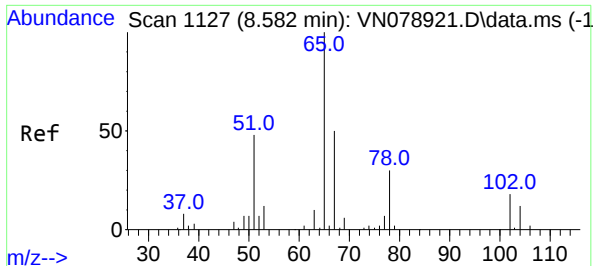
Tgt Ion: 59 Resp: 316

Ion Ratio Lower Upper

59 100

52 0.0 0.0 0.0

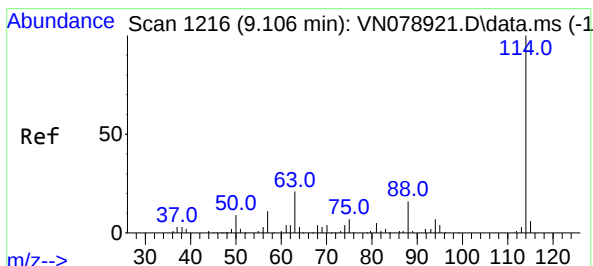
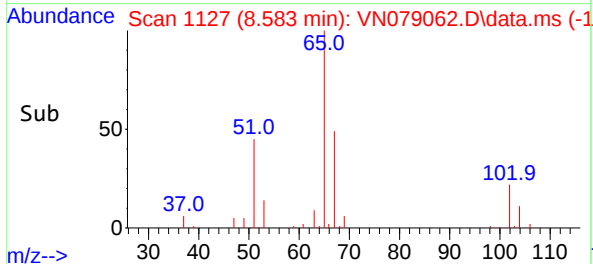
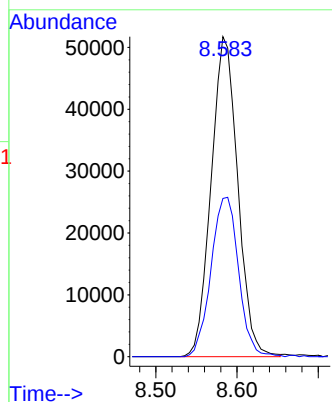
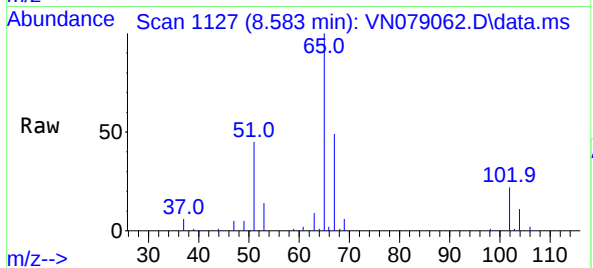




#27
1,2-Dichloroethane-d4
Concen: 30.640 ug/l
RT: 8.583 min Scan# 1127
Delta R.T. 0.000 min
Lab File: VN079062.D
Acq: 28 Aug 2023 13:08

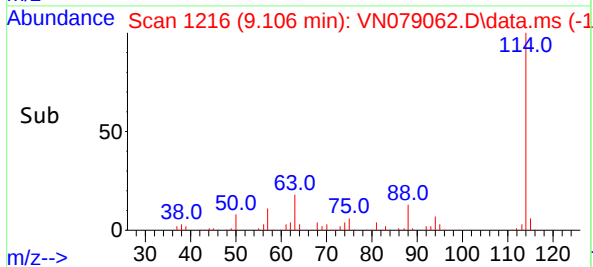
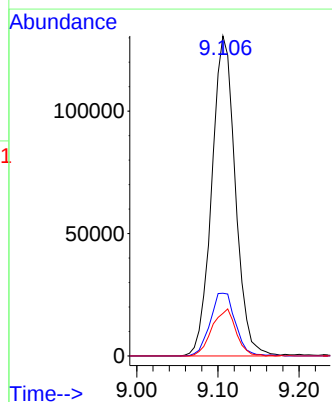
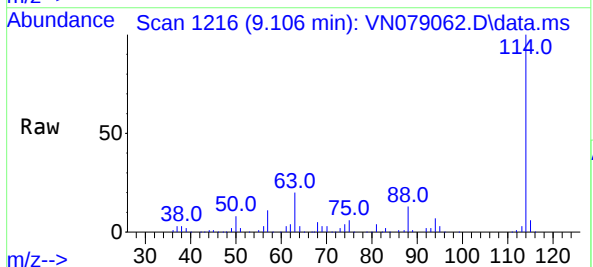
Instrument :
MSVOA_N
ClientSampleId :

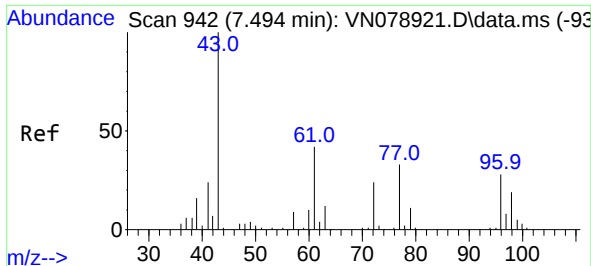
Tgt Ion: 65 Resp: 117828
Ion Ratio Lower Upper
65 100
67 51.5 40.7 61.1



#28
1,4-Difluorobenzene
Concen: 30.000 ug/l
RT: 9.106 min Scan# 1216
Delta R.T. 0.000 min
Lab File: VN079062.D
Acq: 28 Aug 2023 13:08

Tgt Ion: 114 Resp: 263433
Ion Ratio Lower Upper
114 100
63 21.1 17.4 26.2
88 15.0 12.0 18.0





#30

2-Butanone

Concen: 0.246 ug/l

RT: 7.506 min Scan# 94

Delta R.T. 0.012 min

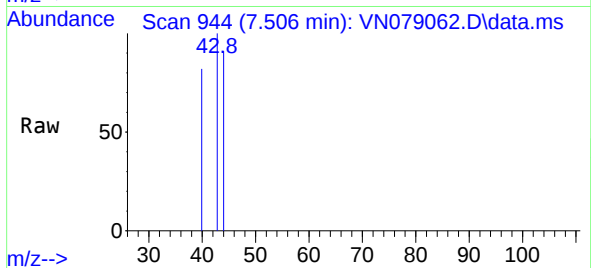
Lab File: VN079062.D

Acq: 28 Aug 2023 13:08

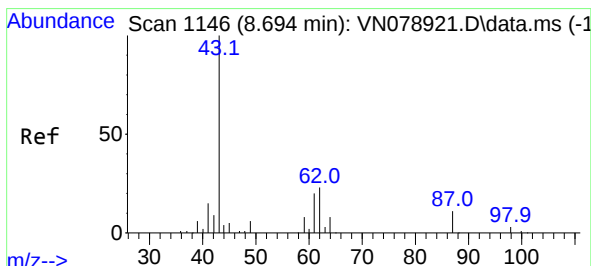
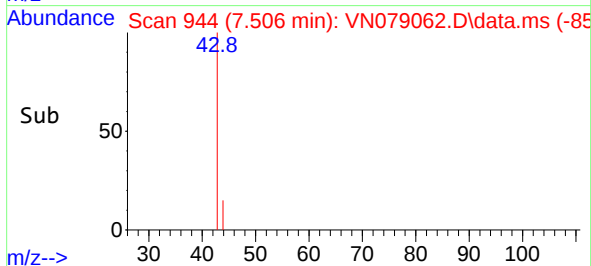
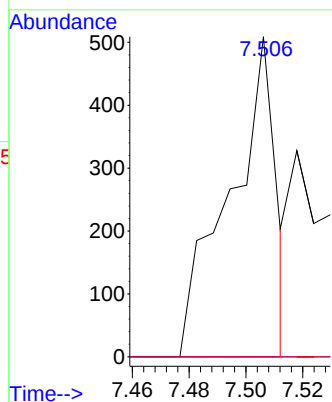
Instrument :

MSVOA_N

ClientSampleId :



Tgt Ion: 43	Resp: 577
Ion Ratio	Lower Upper
43	100
57	0.0 6.2 9.4#
72	0.0 19.4 29.2#



#44

Isopropyl Acetate

Concen: 0.283 ug/l

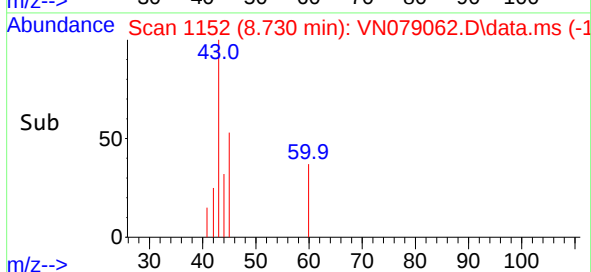
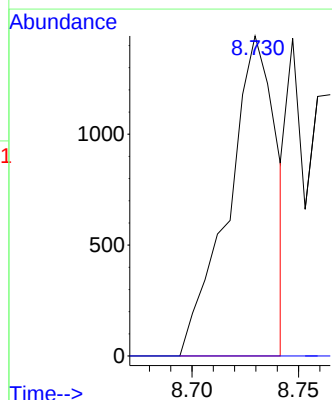
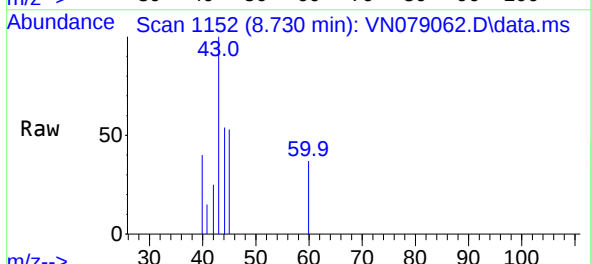
RT: 8.730 min Scan# 1152

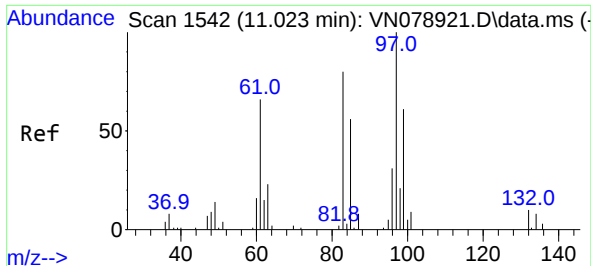
Delta R.T. 0.035 min

Lab File: VN079062.D

Acq: 28 Aug 2023 13:08

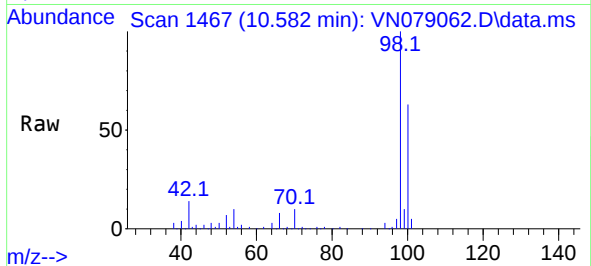
Tgt Ion: 43	Resp: 2266
Ion Ratio	Lower Upper
43	100
61	53.8 19.0 28.4#





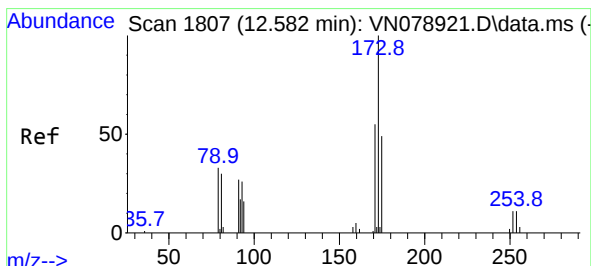
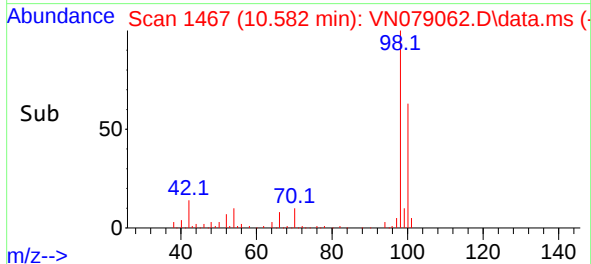
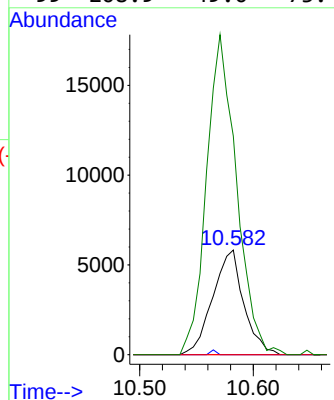
#50
1,1,2-Trichloroethane
Concen: 3.772 ug/l
RT: 10.582 min Scan# 14
Delta R.T. -0.441 min
Lab File: VN079062.D
Acq: 28 Aug 2023 13:08

Instrument :
MSVOA_N
ClientSampleId :



Tgt Ion: 97 Resp: 11054

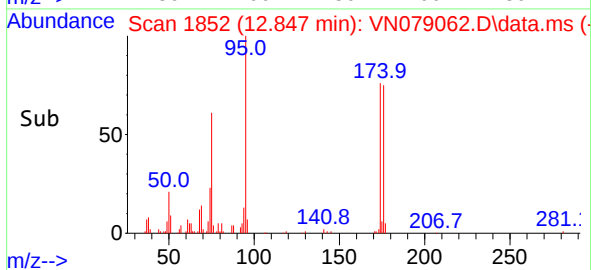
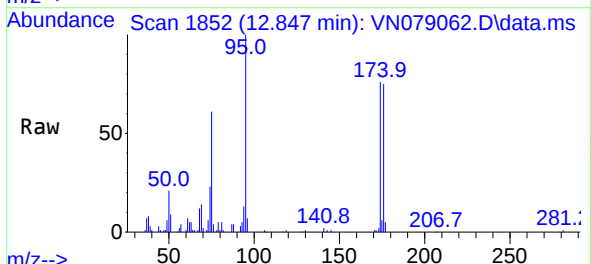
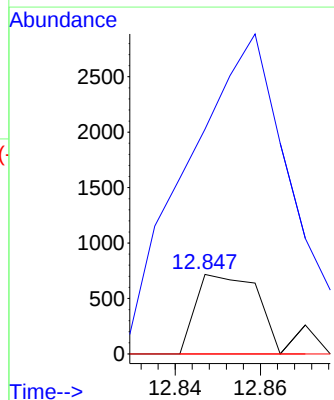
Ion	Ratio	Lower	Upper
97	100		
83	0.0	63.7	95.5#
85	0.0	44.9	67.3#
99	208.9	49.0	73.4#

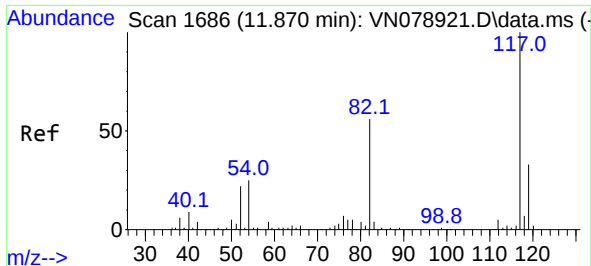


#56
Bromoform
Concen: 0.316 ug/l
RT: 12.847 min Scan# 1852
Delta R.T. 0.265 min
Lab File: VN079062.D
Acq: 28 Aug 2023 13:08

Tgt Ion: 173 Resp: 714

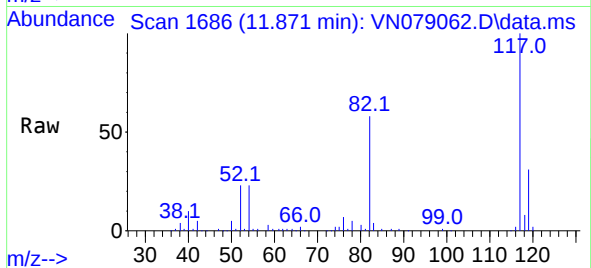
Ion	Ratio	Lower	Upper
173	100		
175	693.1	38.8	58.2#
254	0.0	7.6	11.4#



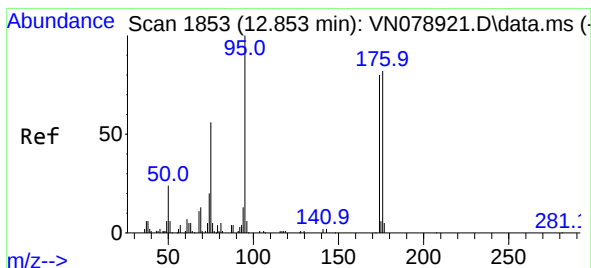
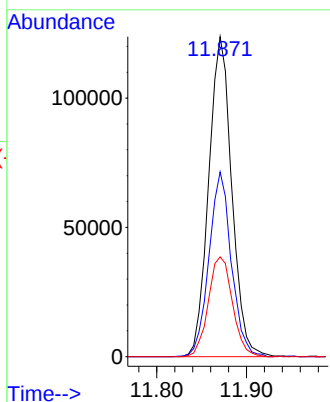
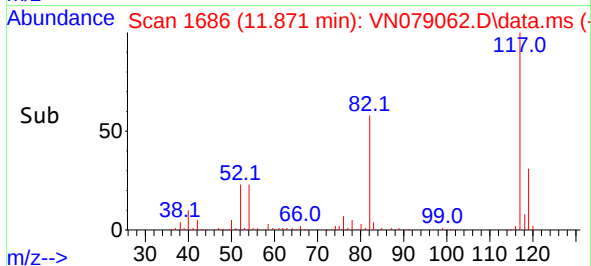


#57
Chlorobenzene-d5
Concen: 30.000 ug/l
RT: 11.871 min Scan# 117
Delta R.T. 0.000 min
Lab File: VN079062.D
Acq: 28 Aug 2023 13:08

Instrument :
MSVOA_N
ClientSampleId :

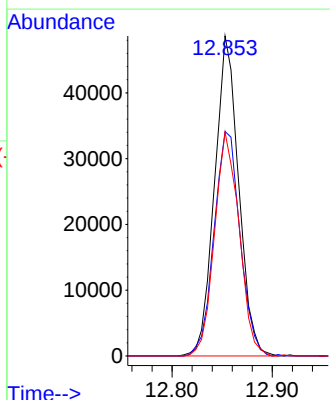
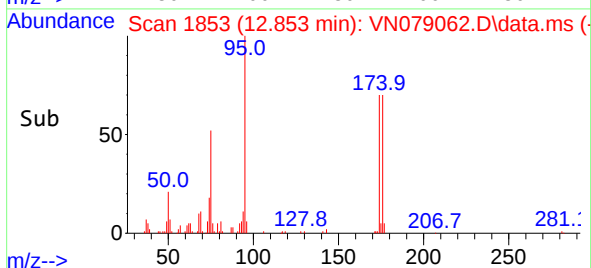
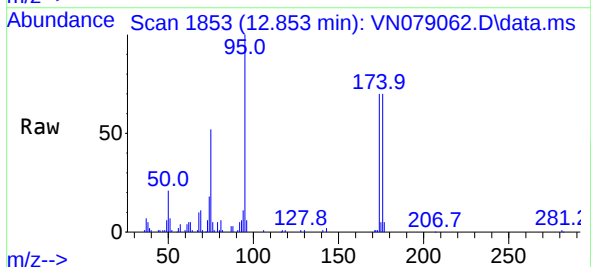


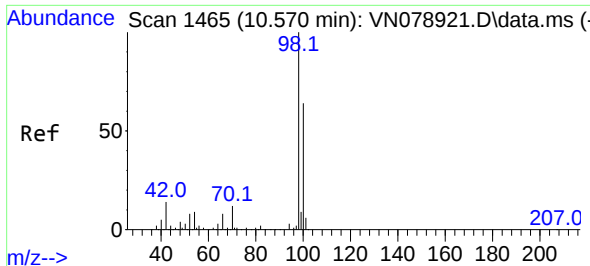
Tgt Ion:117 Resp: 221229
Ion Ratio Lower Upper
117 100
82 56.0 43.4 65.0
119 32.6 25.5 38.3



#60
4-Bromofluorobenzene
Concen: 25.106 ug/l
RT: 12.853 min Scan# 1853
Delta R.T. 0.000 min
Lab File: VN079062.D
Acq: 28 Aug 2023 13:08

Tgt Ion: 95 Resp: 81019
Ion Ratio Lower Upper
95 100
174 75.9 64.8 97.2
176 71.4 63.0 94.6

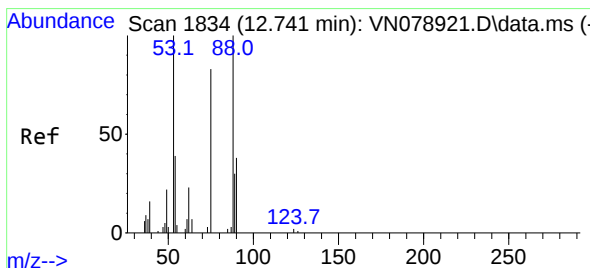
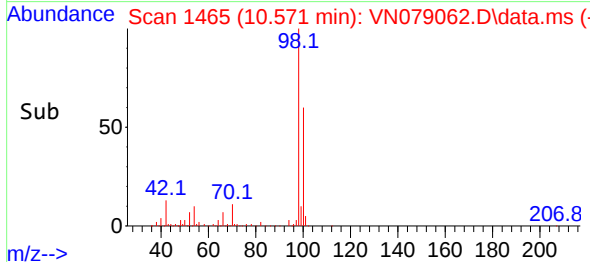
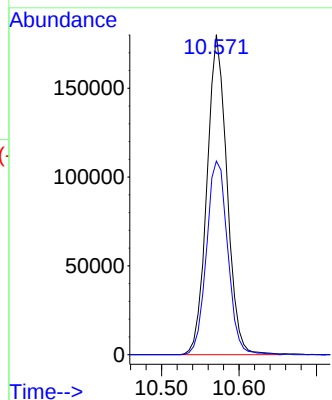
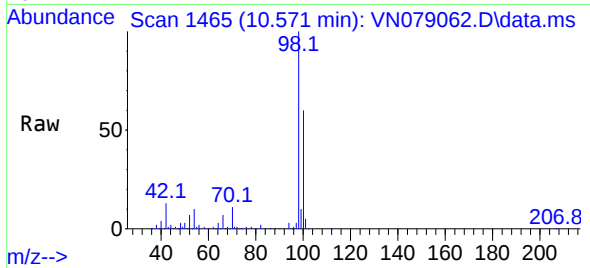




#63
Toluene-d8
Concen: 31.279 ug/l
RT: 10.571 min Scan# 1465
Delta R.T. 0.000 min
Lab File: VN079062.D
Acq: 28 Aug 2023 13:08

Instrument :
MSVOA_N
ClientSampleId :

Tgt Ion: 98 Resp: 323151
Ion Ratio Lower Upper
98 100
100 64.1 51.1 76.7



#77
t-1,4-Dichloro-2-butene
Concen: 35.379 ug/l
RT: 12.853 min Scan# 1853
Delta R.T. 0.112 min
Lab File: VN079062.D
Acq: 28 Aug 2023 13:08

Tgt Ion: 75 Resp: 45503
Ion Ratio Lower Upper
75 100
53 0.0 60.1 180.3#
89 0.0 22.9 68.8#

