

Data Path : Z:\voasrv\HPCHEM1\MSVOA_N\Data\VN112423\
 Data File : VN080260.D
 Acq On : 24 Nov 2023 13:55
 Operator : JC\MD
 Sample : 05525-02
 Misc : 5.0mL/MSVOA_N/WATER
 ALS Vial : 9 Sample Multiplier: 1

Instrument :
 MSVOA_N
 ClientSampleId :

Quant Time: Nov 27 04:07:13 2023
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_N\methods\624N110823W.M
 Quant Title : METHOD 624 VOLATILE ORGANIC ANALYSIS
 QLast Update : Thu Nov 09 04:02:05 2023
 Response via : Initial Calibration

Compound	R.T. QIon		Response	Conc	Units	Dev(Min)

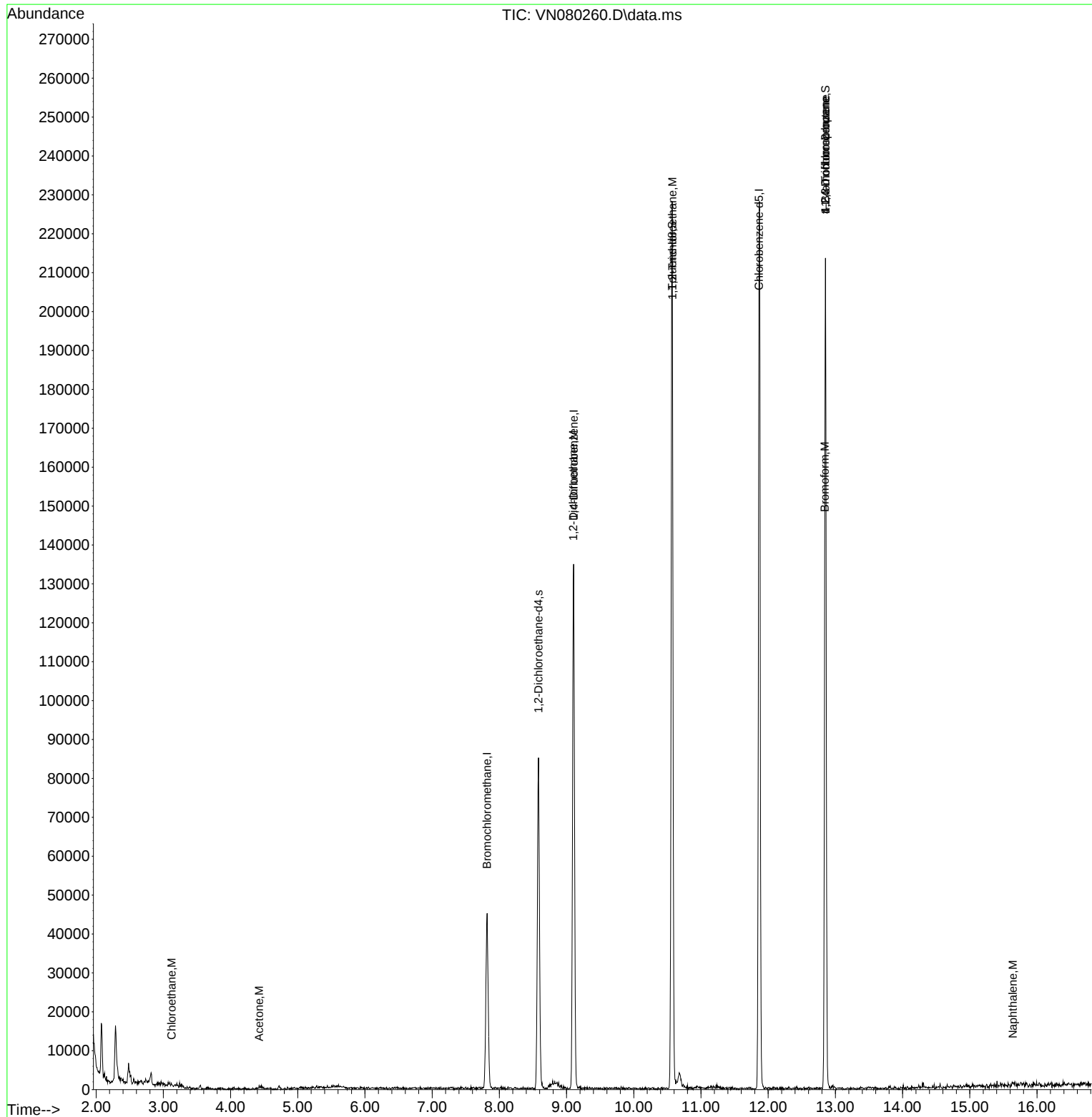
Internal Standards						
1) Bromochloromethane	7.818	128	15592	30.000	ug/l	0.00
28) 1,4-Difluorobenzene	9.106	114	109868	30.000	ug/l	0.00
57) Chlorobenzene-d5	11.865	117	133367	30.000	ug/l	0.00
System Monitoring Compounds						
27) 1,2-Dichloroethane-d4	8.582	65	73880	56.447	ug/l	0.00
Spiked Amount	30.000	Range	91 - 110	Recovery	= 188.167%#	
60) 4-Bromofluorobenzene	12.853	95	72121	33.816	ug/l	0.00
Spiked Amount	30.000	Range	63 - 112	Recovery	= 112.733%#	
63) Toluene-d8	10.571	98	157143	24.868	ug/l	0.00
Spiked Amount	30.000	Range	91 - 112	Recovery	= 82.900%#	
Target Compounds						
					Qvalue	
6) Chloroethane	3.124	64	471	0.758	ug/l #	46
15) Acetone	4.424	58	132	0.791	ug/l #	19
36) 1,2-Dichloroethane	9.100	62	4784	2.360	ug/l #	75
50) 1,1,2-Trichloroethane	10.576	97	5138	3.930	ug/l #	1
56) Bromoform	12.841	173	219	0.239	ug/l #	37
72) 1,2,3-Trichloropropane	12.853	75	38784	16.986	ug/l	1
77) t-1,4-Dichloro-2-butene	12.853	75	38784	51.875	ug/l #	7
91) Naphthalene	15.641	128	1367	0.298	ug/l #	69

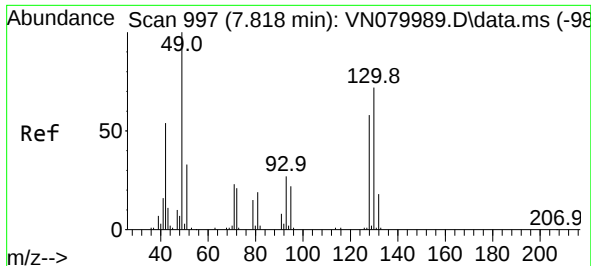
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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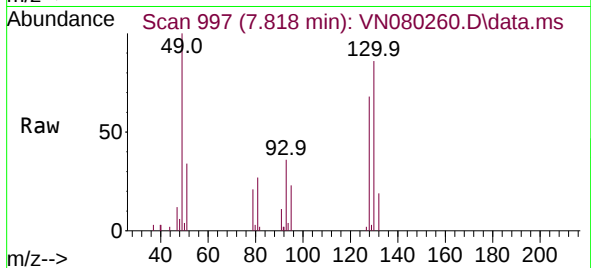
Quant Time: Nov 27 04:07:13 2023
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_N\methods\624N110823W.M
Quant Title : METHOD 624 VOLATILE ORGANIC ANALYSIS
QLast Update : Thu Nov 09 04:02:05 2023
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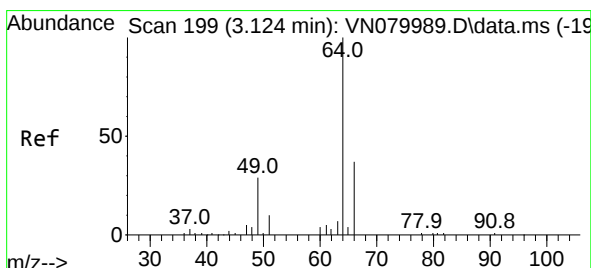
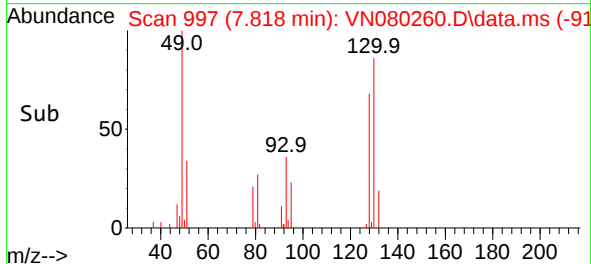
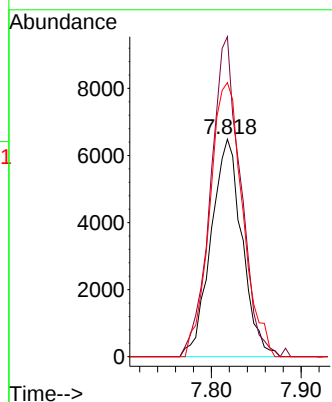


#1
Bromochloromethane
Concen: 30.000 ug/l
RT: 7.818 min Scan# 997
Delta R.T. -0.006 min
Lab File: VN080260.D
Acq: 24 Nov 2023 13:55

Instrument :
MSVOA_N
ClientSampleId :

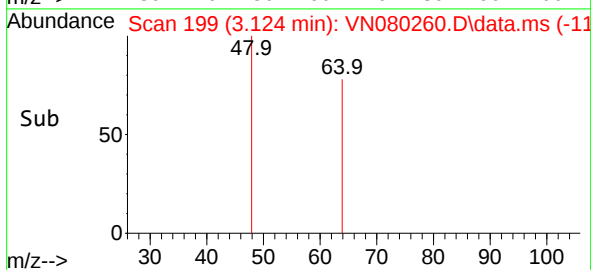
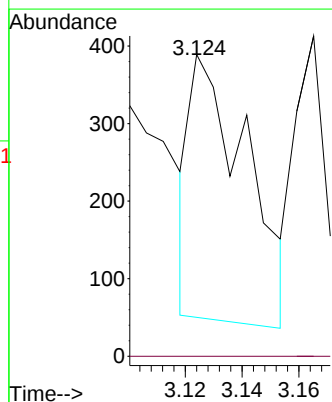
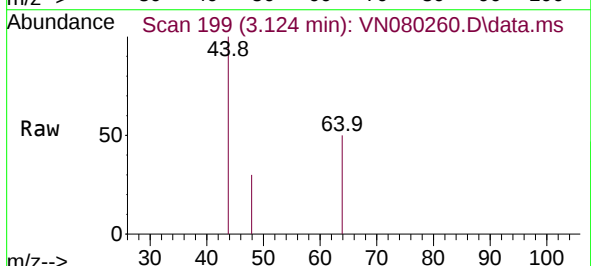


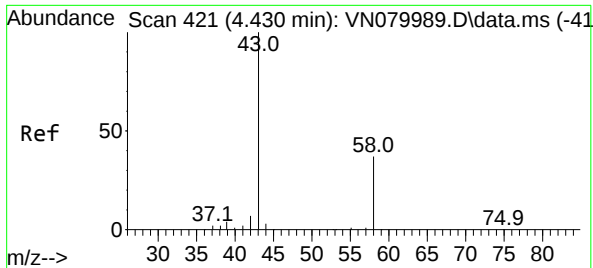
Tgt Ion:128 Resp: 15592
Ion Ratio Lower Upper
128 100
49 141.8 0.0 468.5
130 133.7 0.0 320.7



#6
Chloroethane
Concen: 0.758 ug/l
RT: 3.124 min Scan# 199
Delta R.T. -0.000 min
Lab File: VN080260.D
Acq: 24 Nov 2023 13:55

Tgt Ion: 64 Resp: 471
Ion Ratio Lower Upper
64 100
66 0.0 23.3 34.9#





#15

Acetone

Concen: 0.791 ug/l

RT: 4.424 min Scan# 41

Delta R.T. -0.012 min

Lab File: VN080260.D

Acq: 24 Nov 2023 13:55

Instrument :

MSVOA_N

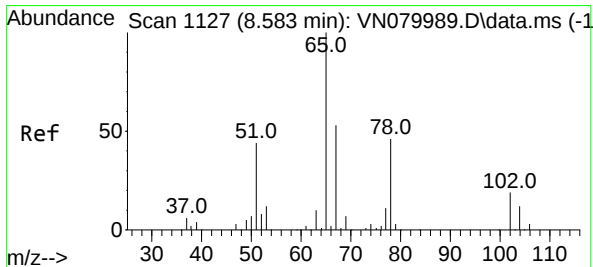
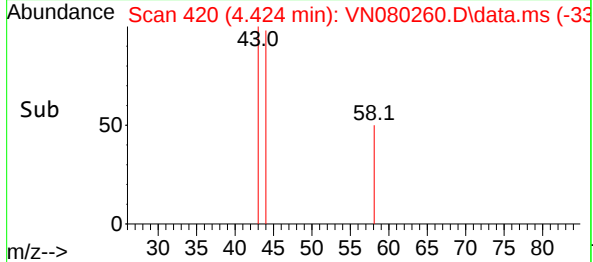
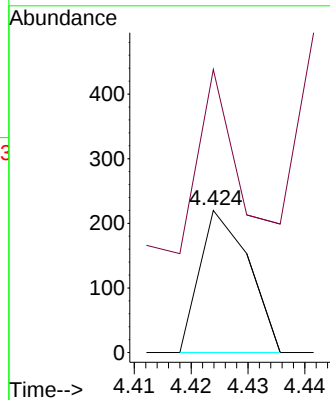
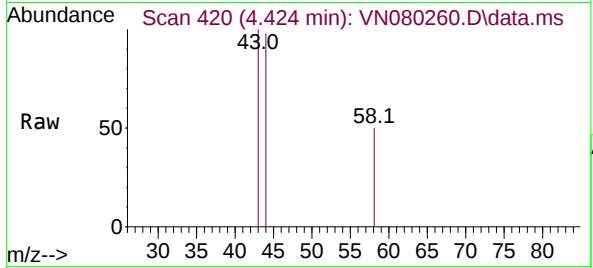
ClientSampleId :

Tgt Ion: 58 Resp: 132

Ion Ratio Lower Upper

58 100

43 129.5 225.2 337.8#



#27

1,2-Dichloroethane-d4

Concen: 56.447 ug/l

RT: 8.582 min Scan# 1127

Delta R.T. 0.000 min

Lab File: VN080260.D

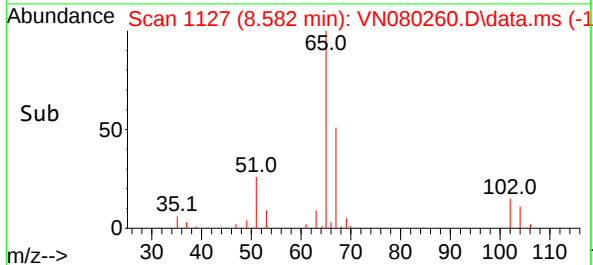
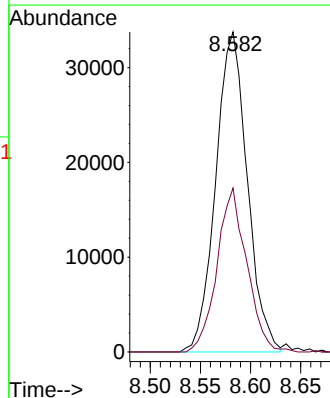
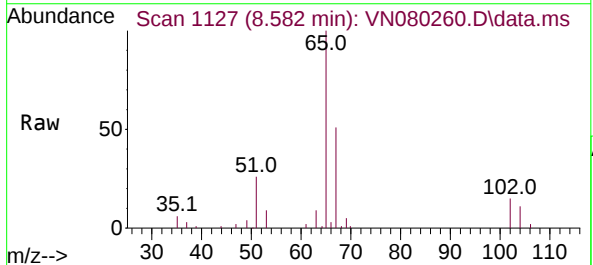
Acq: 24 Nov 2023 13:55

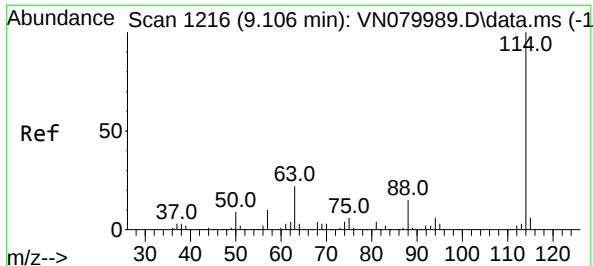
Tgt Ion: 65 Resp: 73880

Ion Ratio Lower Upper

65 100

67 48.1 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: VN080260.D

Acq: 24 Nov 2023 13:55

Instrument :

MSVOA_N

ClientSampleId :

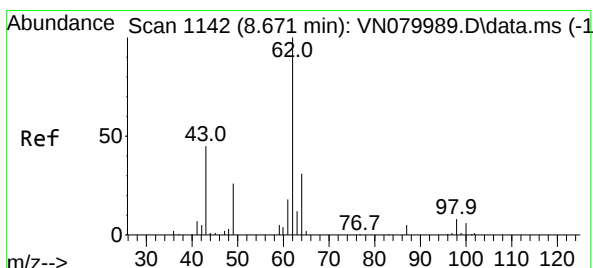
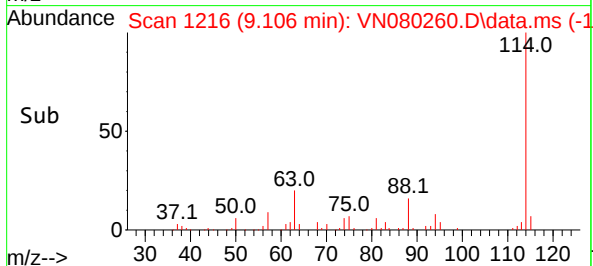
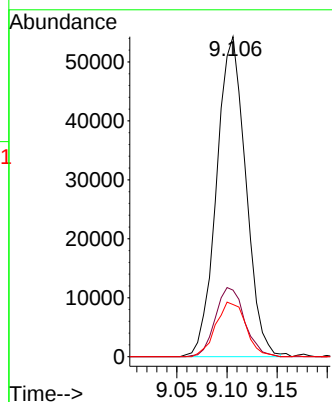
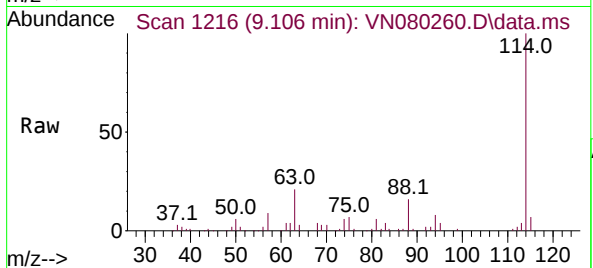
Tgt Ion:114 Resp: 109868

Ion Ratio Lower Upper

114 100

63 21.6 18.1 27.1

88 17.6 12.2 18.2



#36

1,2-Dichloroethane

Concen: 2.360 ug/l

RT: 9.100 min Scan# 1215

Delta R.T. 0.429 min

Lab File: VN080260.D

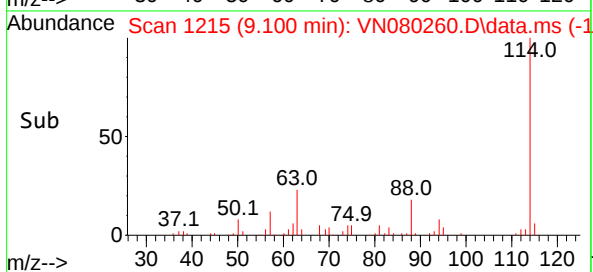
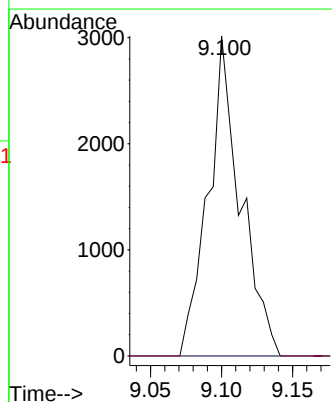
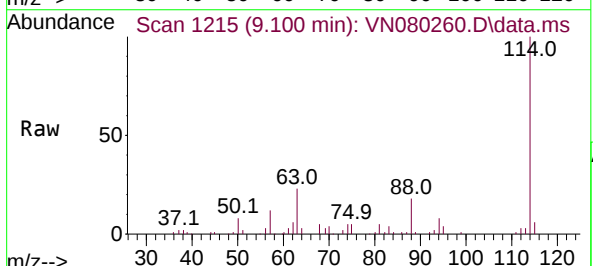
Acq: 24 Nov 2023 13:55

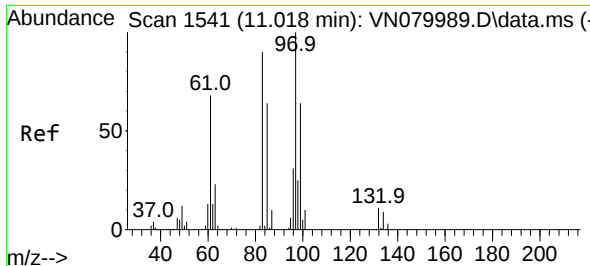
Tgt Ion: 62 Resp: 4784

Ion Ratio Lower Upper

62 100

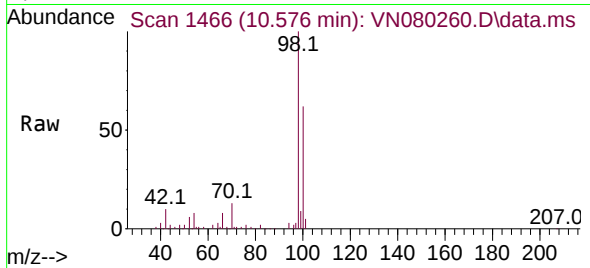
98 0.0 7.2 10.8#



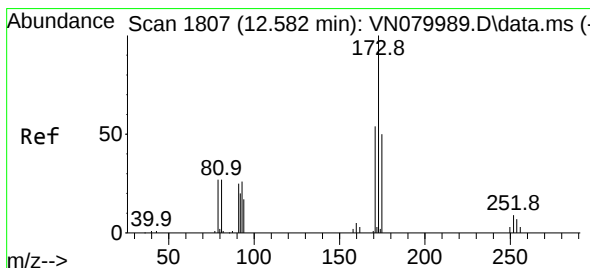
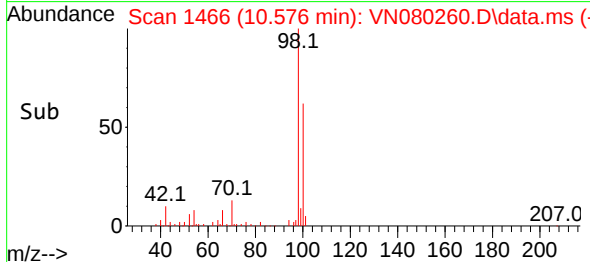
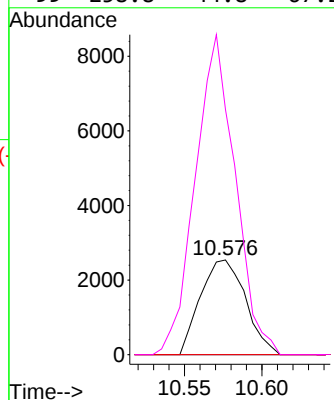


#50
1,1,2-Trichloroethane
Concen: 3.930 ug/l
RT: 10.576 min Scan# 1466
Delta R.T. -0.442 min
Lab File: VN080260.D
Acq: 24 Nov 2023 13:55

Instrument :
MSVOA_N
ClientSampleId :

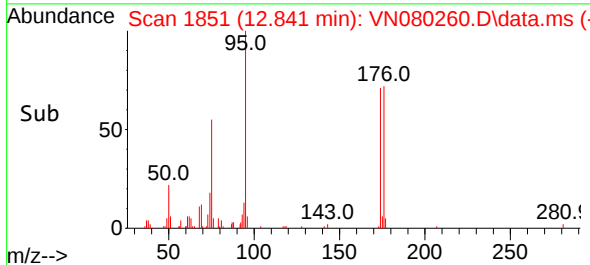
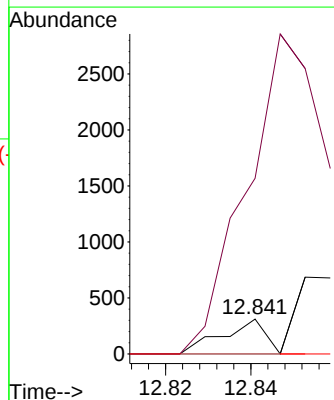
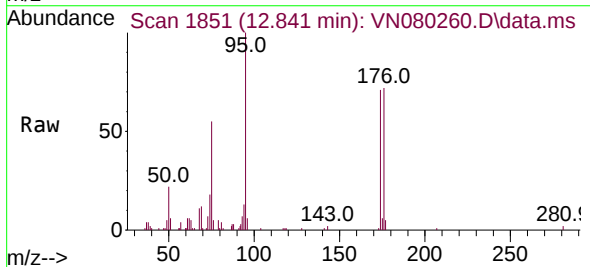


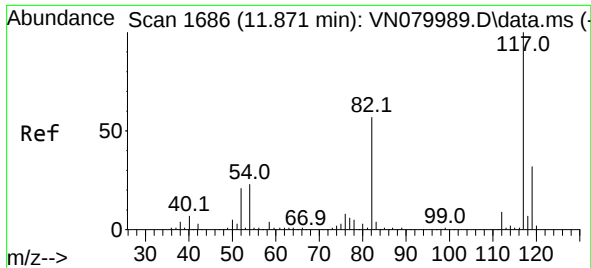
Tgt Ion: 97 Resp: 5138
Ion Ratio Lower Upper
97 100
83 0.0 68.2 102.4#
85 0.0 42.9 64.3#
99 258.8 44.8 67.2#



#56
Bromoform
Concen: 0.239 ug/l
RT: 12.841 min Scan# 1851
Delta R.T. 0.259 min
Lab File: VN080260.D
Acq: 24 Nov 2023 13:55

Tgt Ion: 173 Resp: 219
Ion Ratio Lower Upper
173 100
175 0.0 37.9 56.9#
254 0.0 7.3 10.9#

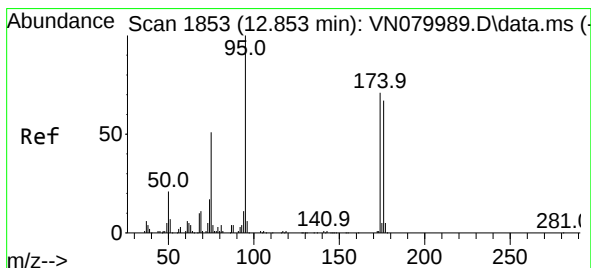
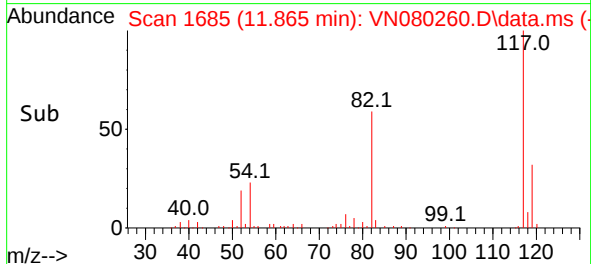
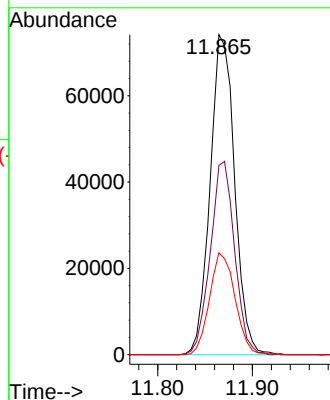
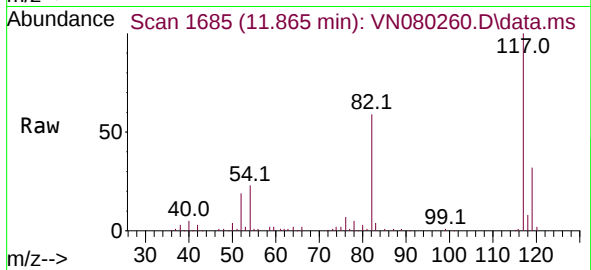




#57
Chlorobenzene-d5
Concen: 30.000 ug/l
RT: 11.865 min Scan# 117
Delta R.T. -0.005 min
Lab File: VN080260.D
Acq: 24 Nov 2023 13:55

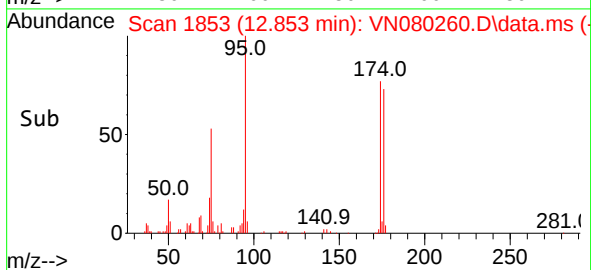
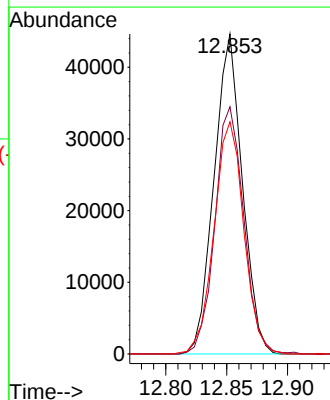
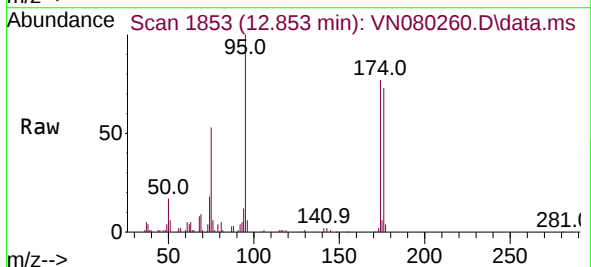
Instrument :
MSVOA_N
ClientSampleId :

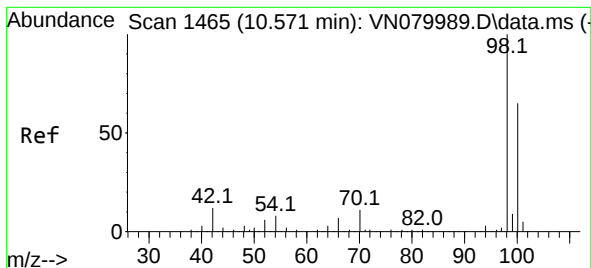
Tgt Ion:117 Resp: 133367
Ion Ratio Lower Upper
117 100
82 59.9 46.2 69.2
119 33.1 25.2 37.8



#60
4-Bromofluorobenzene
Concen: 33.816 ug/l
RT: 12.853 min Scan# 1853
Delta R.T. -0.000 min
Lab File: VN080260.D
Acq: 24 Nov 2023 13:55

Tgt Ion: 95 Resp: 72121
Ion Ratio Lower Upper
95 100
174 78.7 60.5 90.7
176 76.2 57.2 85.8





#63

Toluene-d8

Concen: 24.868 ug/l

RT: 10.571 min Scan# 1465

Delta R.T. 0.001 min

Lab File: VN080260.D

Acq: 24 Nov 2023 13:55

Instrument :

MSVOA_N

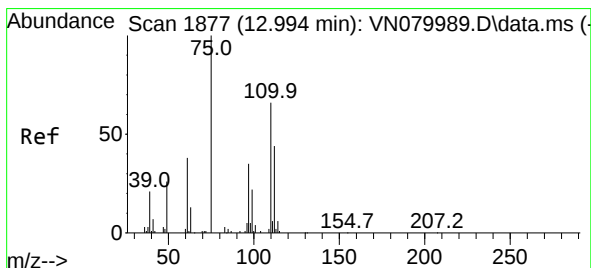
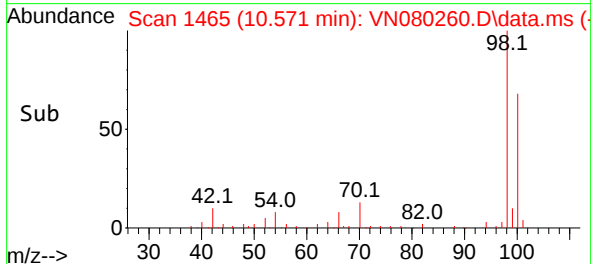
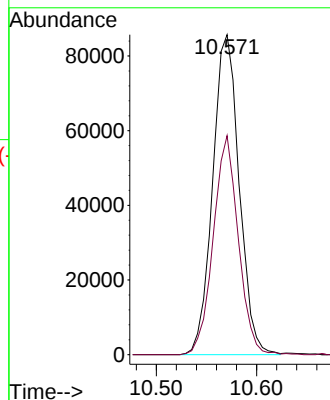
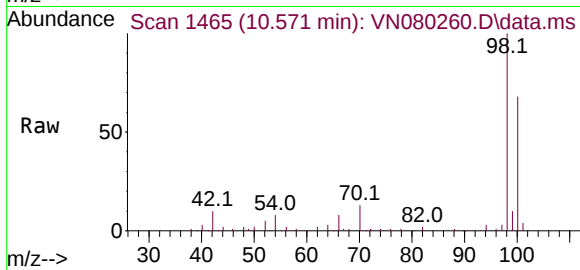
ClientSampleId :

Tgt Ion: 98 Resp: 157143

Ion Ratio Lower Upper

98 100

100 64.5 51.6 77.4



#72

1,2,3-Trichloropropane

Concen: 16.986 ug/l

RT: 12.853 min Scan# 1853

Delta R.T. -0.141 min

Lab File: VN080260.D

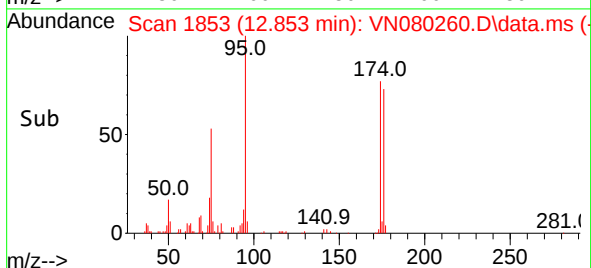
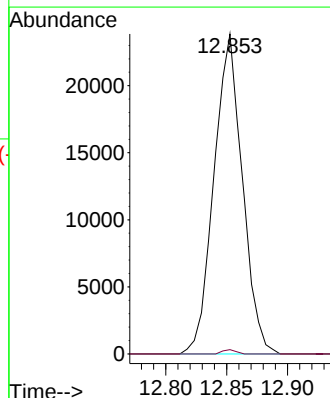
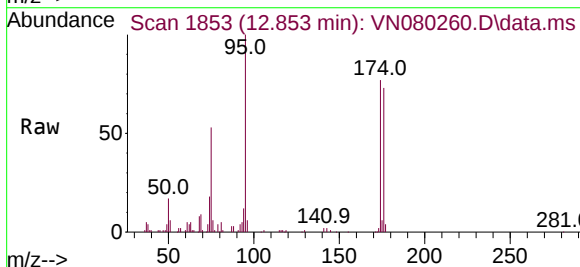
Acq: 24 Nov 2023 13:55

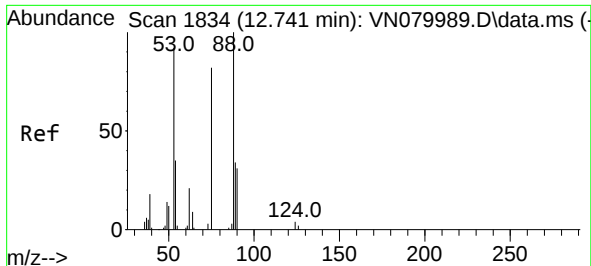
Tgt Ion: 75 Resp: 38784

Ion Ratio Lower Upper

75 100

77 0.6 0.0 338.2





#77

t-1,4-Dichloro-2-butene

Concen: 51.875 ug/l

RT: 12.853 min Scan# 1853

Delta R.T. 0.112 min

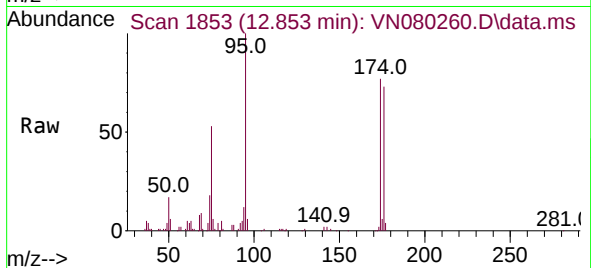
Lab File: VN080260.D

Acq: 24 Nov 2023 13:55

Instrument :

MSVOA_N

ClientSampleId :



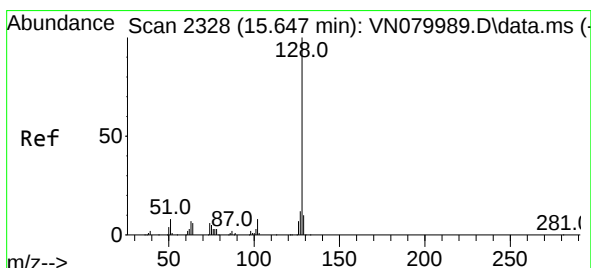
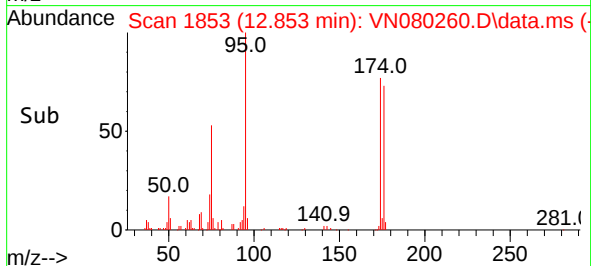
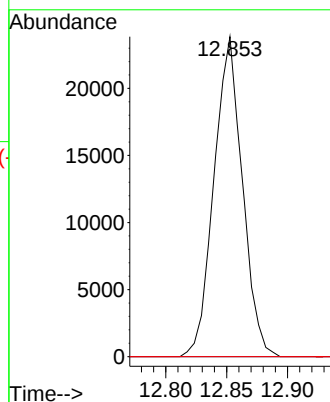
Tgt Ion: 75 Resp: 38784

Ion Ratio Lower Upper

75 100

53 0.0 53.0 159.1#

89 0.0 22.6 67.7#



#91

Naphthalene

Concen: 0.298 ug/l

RT: 15.641 min Scan# 2327

Delta R.T. -0.000 min

Lab File: VN080260.D

Acq: 24 Nov 2023 13:55

Tgt Ion: 128 Resp: 1367

Ion Ratio Lower Upper

128 100

127 0.0 10.9 16.3#

129 0.0 8.6 12.8#

