

Data Path : Z:\VOASRV\HPCHEM1\MSVOA N\DATA\VN100920\
 Data File : VN064036.D
 Acq On : 9 Oct 2020 14:27
 Operator : JC/MD
 Sample : L4301-02
 Misc : 5.00mL/MSVOA N/WATER
 ALS Vial : 6 Sample Multiplier: 1

Instrument :
 MSVOA_N
 ClientSampleId :
 TRIP-BLANK

Quant Time: Oct 10 01:29:14 2020
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA N\METHODS\624N100620W.M
 Quant Title : METHOD 624 VOLATILE ORGANIC ANALYSIS
 QLast Update : Tue Oct 06 16:42:38 2020
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Bromochloromethane	7.15	128	42311	30.00	ug/l	0.00
28) 1,4-Difluorobenzene	8.55	114	216414	30.00	ug/l	0.00
57) Chlorobenzene-d5	11.38	117	195324	30.00	ug/l	0.00

System Monitoring Compounds

27) 1,2-Dichloroethane-d4	7.99	65	114892	30.24	ug/l	0.00
Spiked Amount	30.000	Range	50 - 169	Recovery	=	100.80%
60) 4-Bromofluorobenzene	12.38	95	80294	24.04	ug/l	0.00
Spiked Amount	30.000	Range	56 - 143	Recovery	=	80.13%
63) Toluene-d8	10.06	98	263728	29.79	ug/l	0.00
Spiked Amount	30.000	Range	66 - 137	Recovery	=	99.30%

Target Compounds

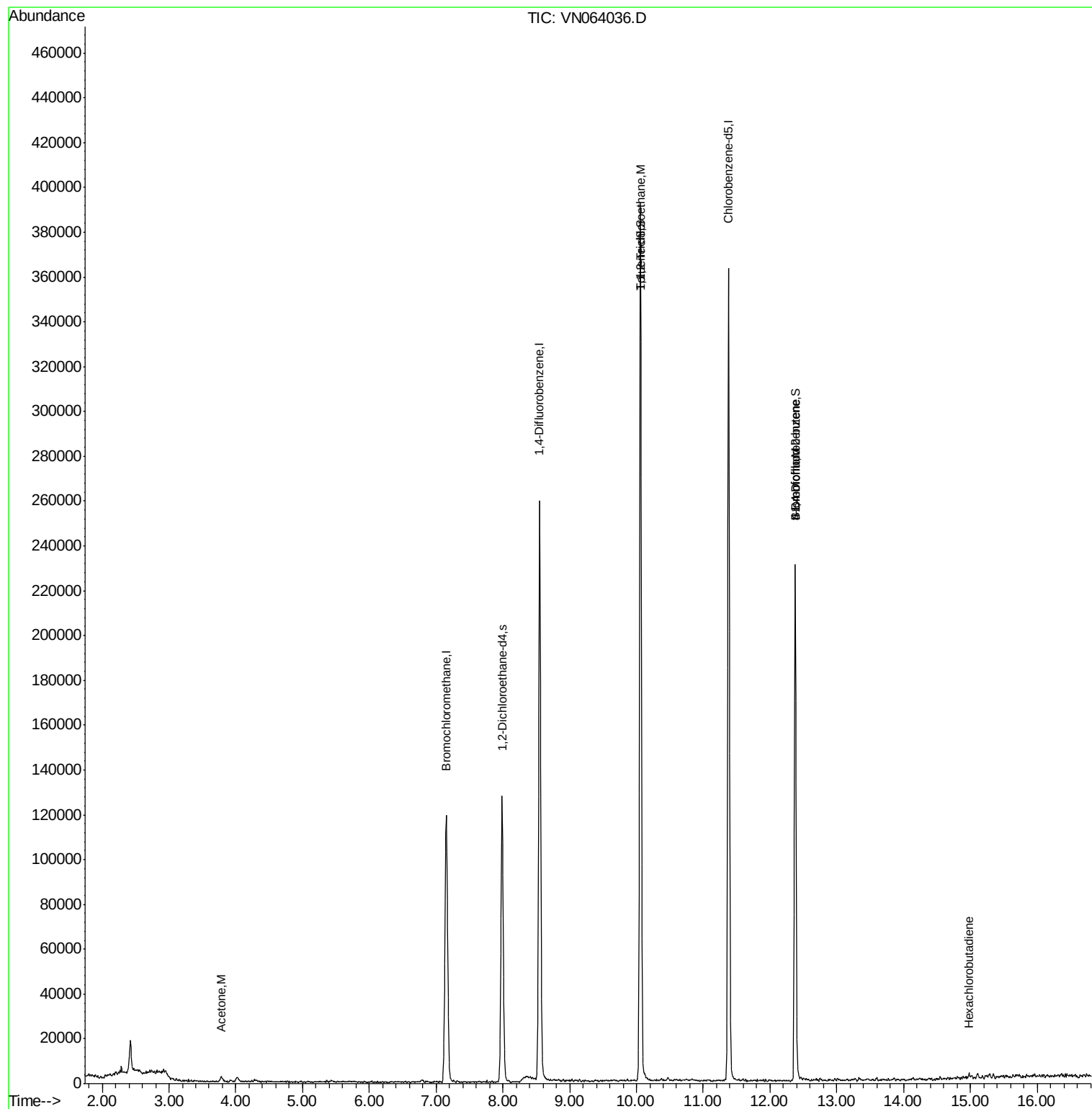
					Ovalue
15) Acetone	3.79	58	603	1.813 ug/l #	14
50) 1,1,2-Trichloroethane	10.06	97	9725	3.562 ug/l #	1
56) Bromoform	12.38	173	738	0.339 ug/l #	1
77) t-1,4-Dichloro-2-butene	12.38	75	44020	33.109 ug/l #	12
90) Hexachlorobutadiene	14.98	225	370	0.268 ug/l	63

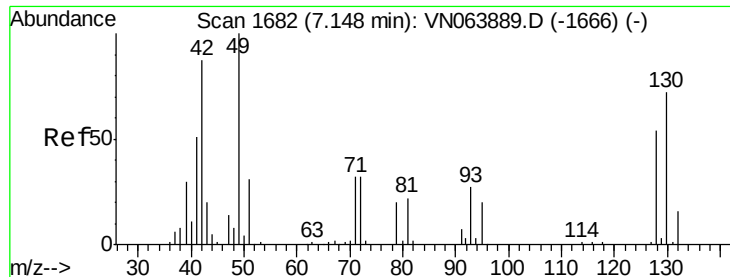
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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QLast Update : Tue Oct 06 16:42:38 2020
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#1

Bromochloromethane

Concen: 30.000 ug/l

RT: 7.15 min Scan# 1684

Delta R.T. 0.00 min

Lab File: VN064036.D

Acq: 9 Oct 2020 14:27

Instrument :

MSVOA_N

ClientSampleId :

TRIP-BLANK

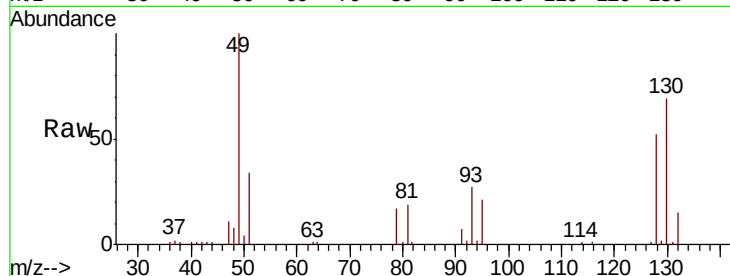
Tot Ion:128 Resp: 42311

Ion Ratio Lower Upper

128 100

49 197.0 0.0 437.5

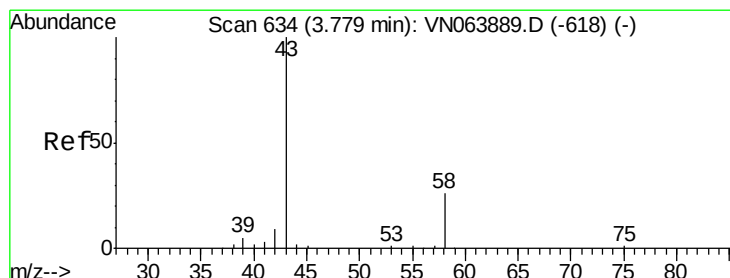
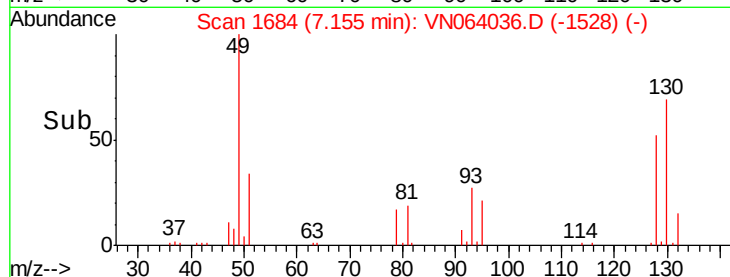
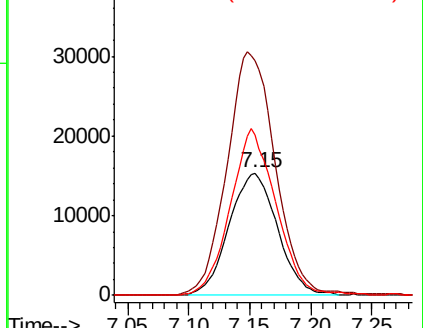
130 127.3 0.0 327.3



Abundance Ion 128.00 (127.70 to 128.70): V

Ion 49.00 (48.70 to 49.70): VN

Ion 130.00 (129.70 to 130.70): V



#15

Acetone

Concen: 1.813 ug/l

RT: 3.79 min Scan# 636

Delta R.T. 0.01 min

Lab File: VN064036.D

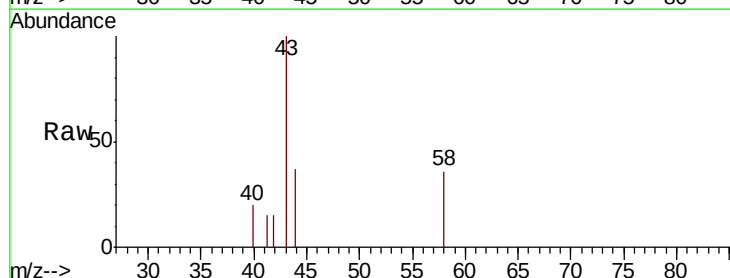
Acq: 9 Oct 2020 14:27

Tgt Ion: 58 Resp: 603

Ion Ratio Lower Upper

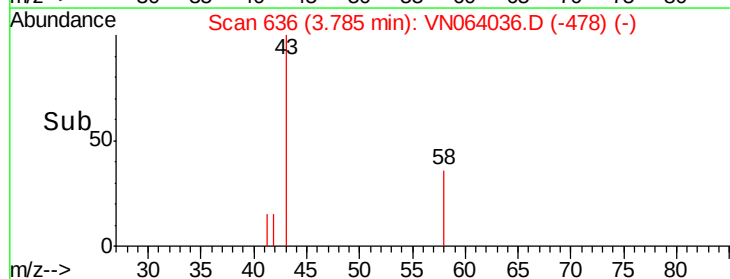
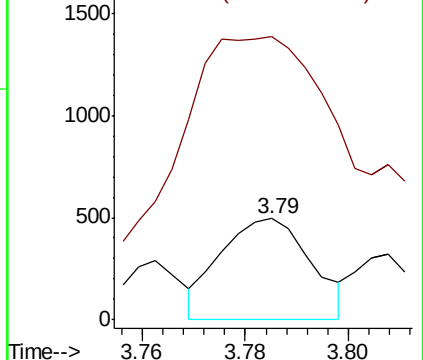
58 100

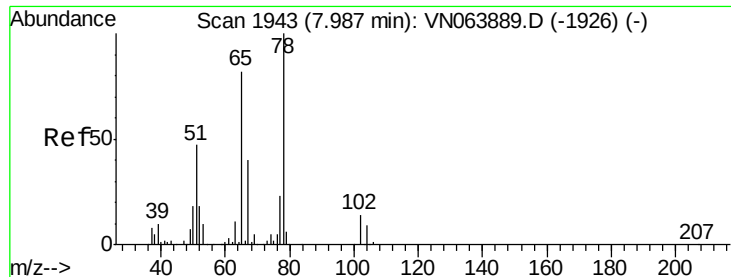
43 126.6 233.2 349.8#



Abundance Ion 58.00 (57.70 to 58.70): VN

Ion 43.00 (42.70 to 43.70): VN

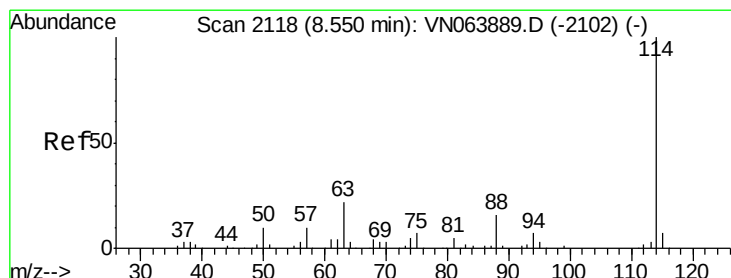
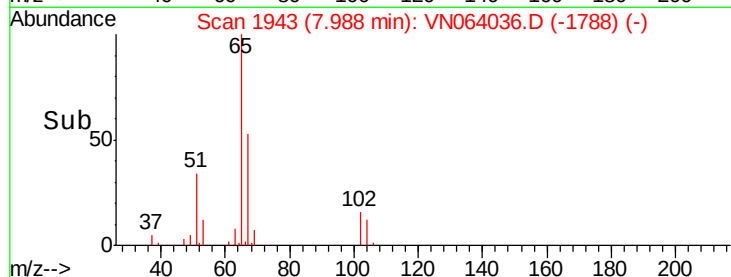
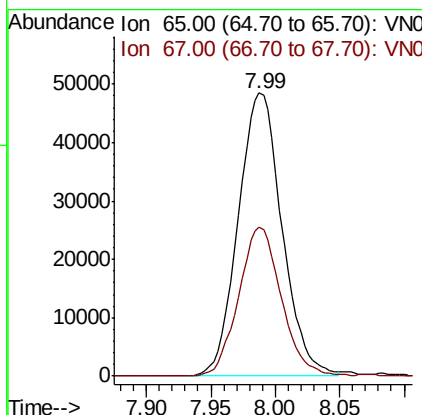
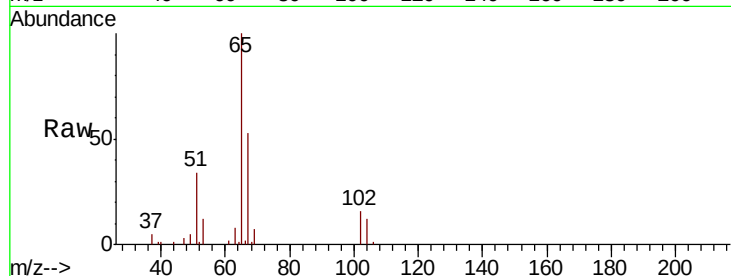




#27
 1,2-Dichloroethane-d4
 Concen: 30.235 ug/l
 RT: 7.99 min Scan# 1943
 Delta R.T. -0.00 min
 Lab File: VN064036.D
 Acq: 9 Oct 2020 14:27

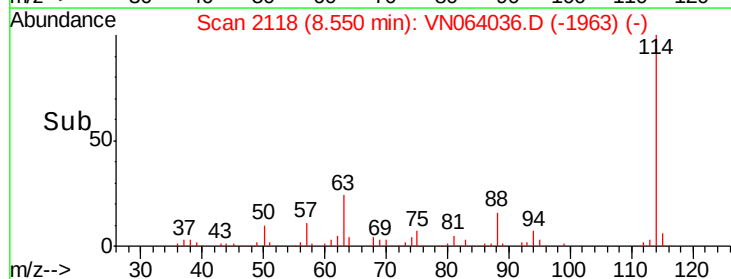
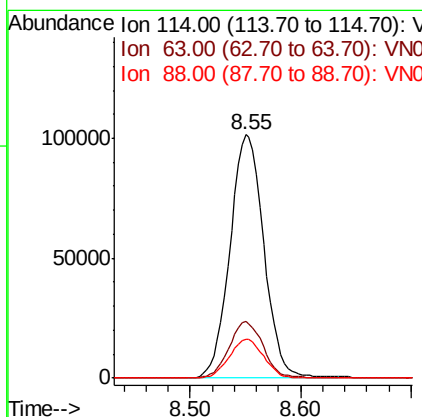
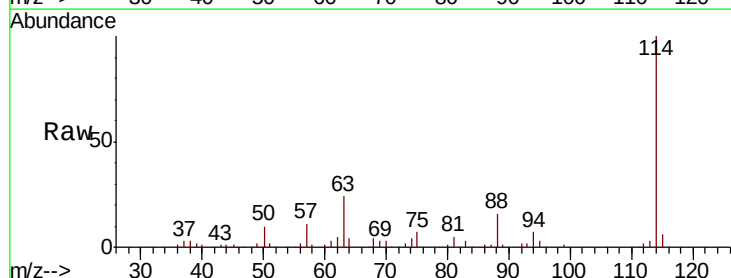
Instrument :
 MSVOA_N
 ClientSampled :
 TRIP-BLANK

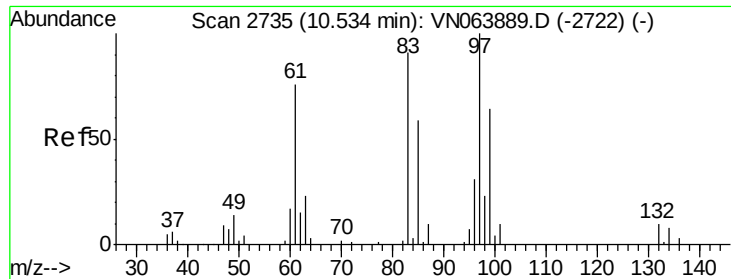
Tot Ion: 65 Resp: 114892
 Ion Ratio Lower Upper
 65 100
 67 51.1 43.8 65.6



#28
 1,4-Difluorobenzene
 Concen: 30.000 ug/l
 RT: 8.55 min Scan# 2118
 Delta R.T. -0.00 min
 Lab File: VN064036.D
 Acq: 9 Oct 2020 14:27

Tgt Ion: 114 Resp: 216414
 Ion Ratio Lower Upper
 114 100
 63 23.2 17.0 25.6
 88 16.2 12.6 18.8





#50

1,1,2-Trichloroethane

Concen: 3.562 ug/l

RT: 10.06 min Scan# 2589

Delta R.T. -0.47 min

Lab File: VN064036.D

Acq: 9 Oct 2020 14:27

Instrument :

MSVOA_N

ClientSampled :

TRIP-BLANK

Tot Ion: 97 Resp: 9725

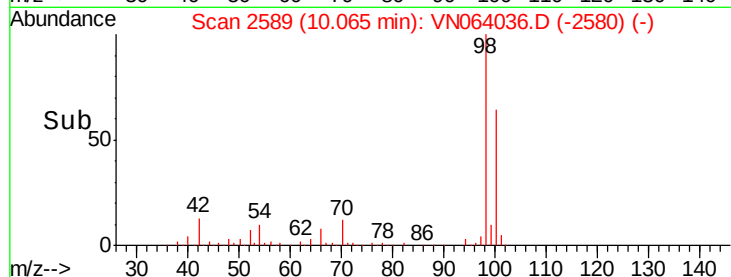
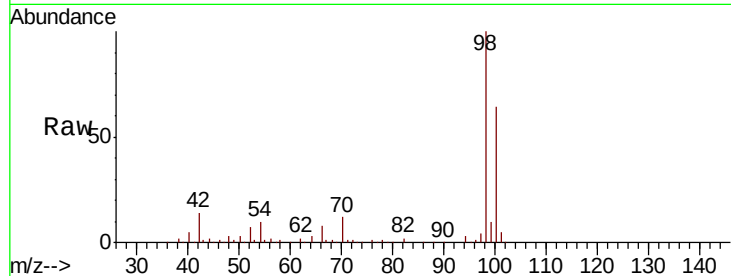
Ion Ratio Lower Upper

97 100

83 0.0 69.9 104.9#

85 0.0 44.0 66.0#

99 272.3 50.6 76.0#

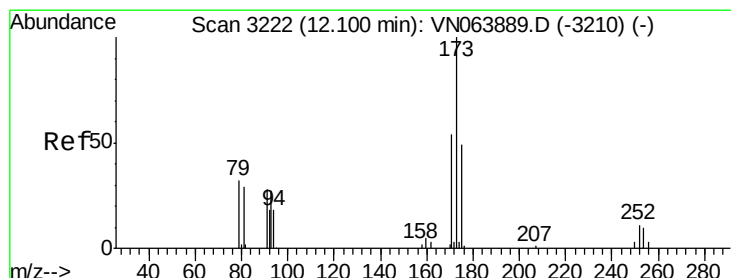
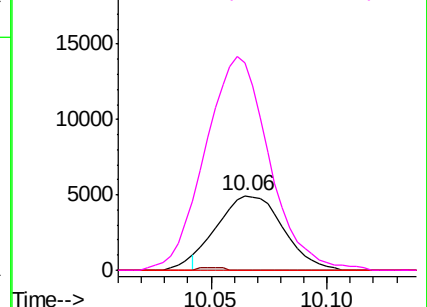


Abundance Ion 97.00 (96.70 to 97.70): VN0

Ion 82.95 (82.65 to 83.65): VN0

Ion 84.95 (84.65 to 85.65): VN0

Ion 98.95 (98.65 to 99.65): VN0



#56

Bromoform

Concen: 0.339 ug/l

RT: 12.38 min Scan# 3309

Delta R.T. 0.28 min

Lab File: VN064036.D

Acq: 9 Oct 2020 14:27

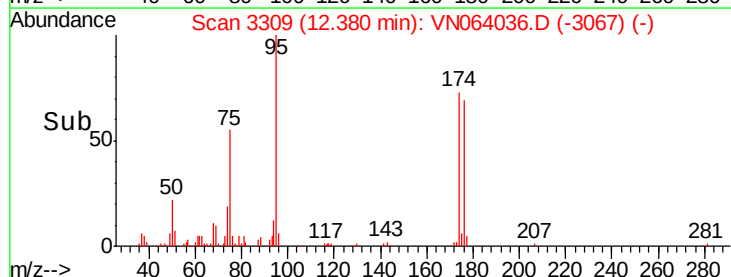
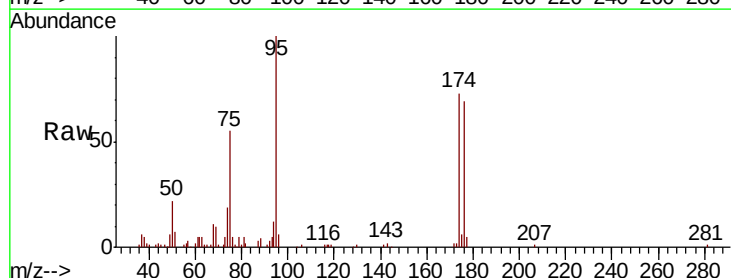
Tgt Ion: 173 Resp: 738

Ion Ratio Lower Upper

173 100

175 593.6 41.2 61.8#

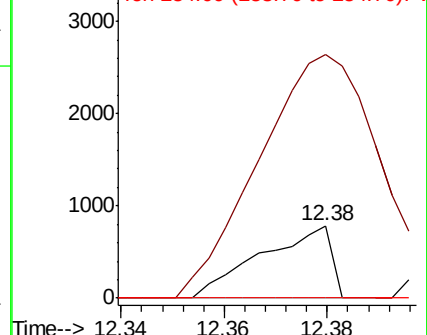
254 0.0 9.0 13.4#

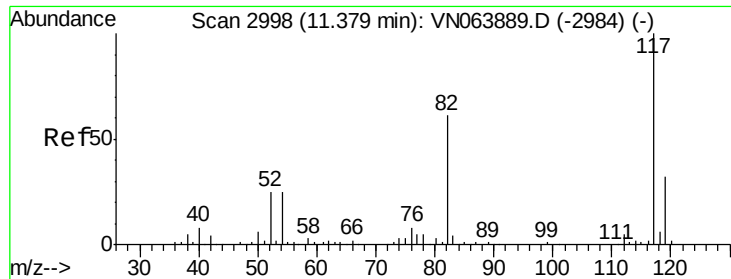


Abundance Ion 173.00 (172.70 to 173.70): V

Ion 175.00 (174.70 to 175.70): V

Ion 254.00 (253.70 to 254.70): V

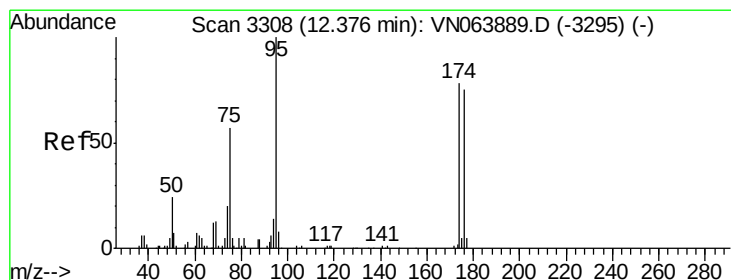
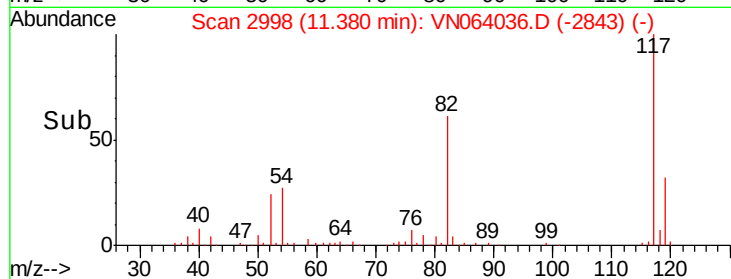
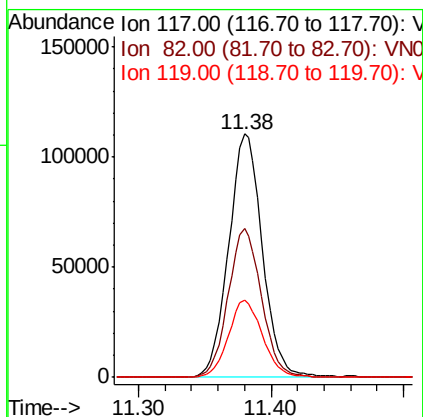
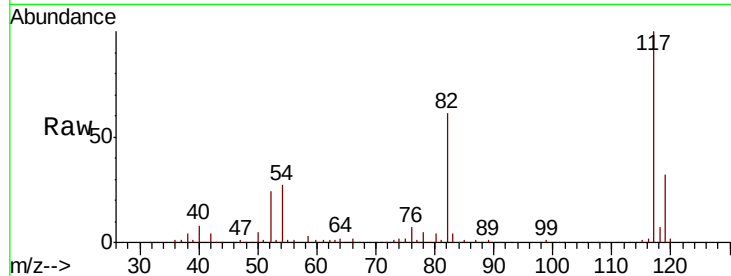




#57
Chlorobenzene-d5
Concen: 30.000 ug/l
RT: 11.38 min Scan# 2998
Delta R.T. -0.00 min
Lab File: VN064036.D
Acq: 9 Oct 2020 14:27

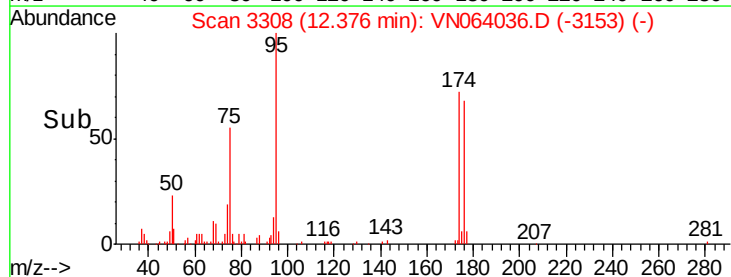
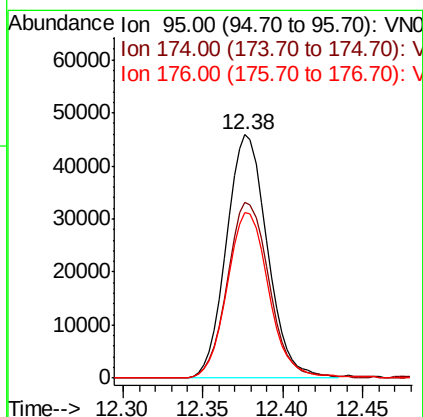
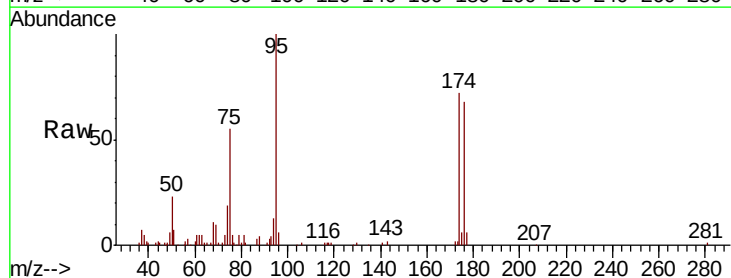
Instrument :
MSVOA_N
ClientSampleId :
TRIP-BLANK

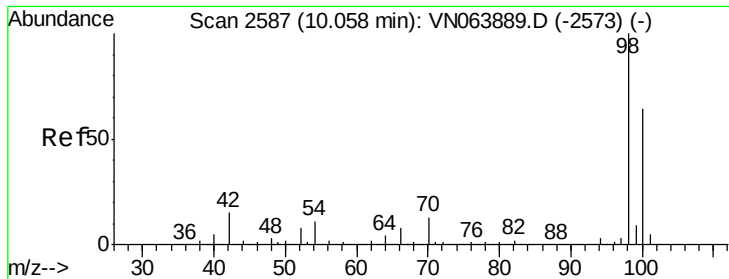
Tot Ion:117 Resp: 195324
Ion Ratio Lower Upper
117 100
82 60.2 44.9 67.3
119 32.0 26.0 39.0



#60
4-Bromofluorobenzene
Concen: 24.038 ug/l
RT: 12.38 min Scan# 3308
Delta R.T. -0.00 min
Lab File: VN064036.D
Acq: 9 Oct 2020 14:27

Tgt Ion: 95 Resp: 80294
Ion Ratio Lower Upper
95 100
174 73.9 70.1 105.1
176 69.2 66.8 100.2





#63

Toluene-d8

Concen: 29.793 ug/l

RT: 10.06 min Scan# 2588

Delta R.T. 0.00 min

Lab File: VN064036.D

Acq: 9 Oct 2020 14:27

Instrument :

MSVOA_N

ClientSampleId :

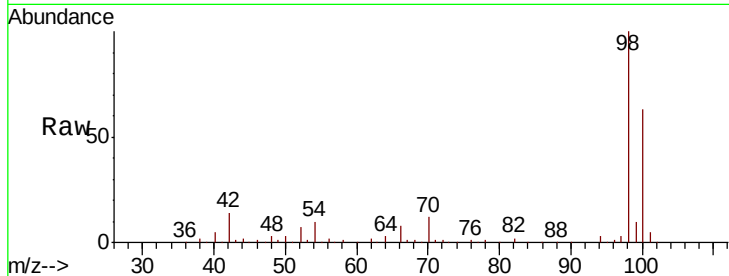
TRIP-BLANK

Tot Ion: 98 Resp: 263728

Ion Ratio Lower Upper

98 100

100 64.0 51.4 77.2



Abundance Ion 98.00 (97.70 to 98.70): VN063889.D (-2573) (-)

Ion 100.00 (99.70 to 100.70): VN063889.D (-2573) (-)

10.06

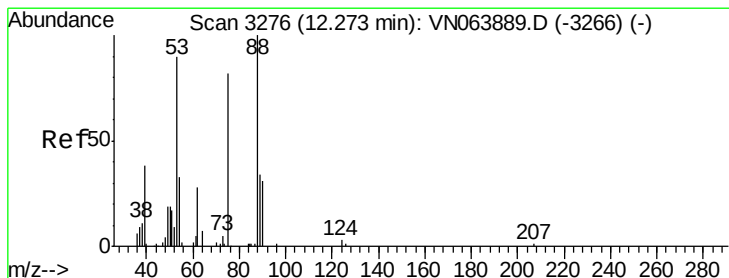
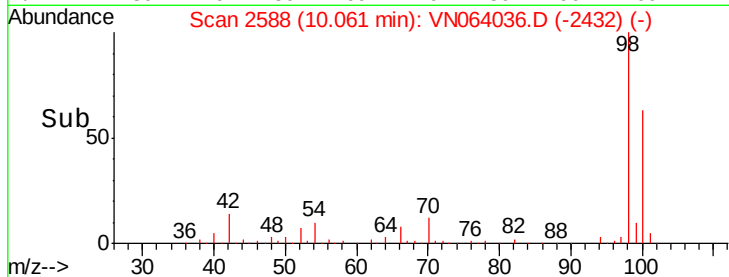
150000

100000

50000

0

Time-->



#77

t-1,4-Dichloro-2-butene

Concen: 33.109 ug/l

RT: 12.38 min Scan# 3308

Delta R.T. 0.10 min

Lab File: VN064036.D

Acq: 9 Oct 2020 14:27

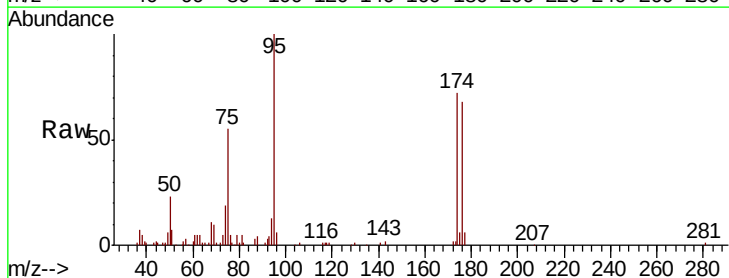
Tgt Ion: 75 Resp: 44020

Ion Ratio Lower Upper

75 100

53 0.0 47.0 141.0#

89 0.0 22.9 68.7#



Abundance Ion 75.00 (74.70 to 75.70): VN063889.D (-3266) (-)

Ion 53.00 (52.70 to 53.70): VN063889.D (-3266) (-)

Ion 89.00 (88.70 to 89.70): VN063889.D (-3266) (-)

12.38

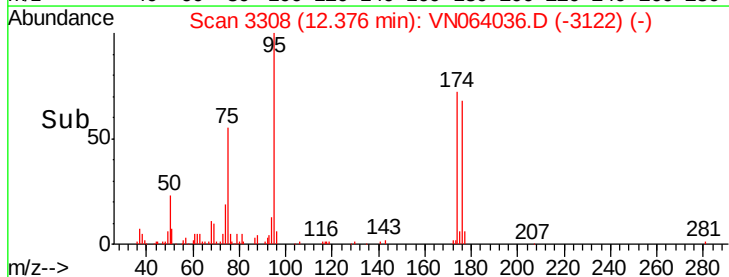
30000

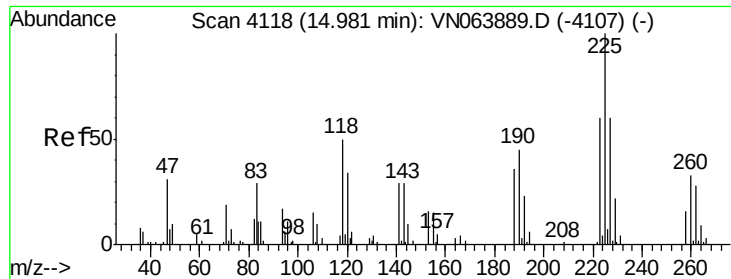
20000

10000

0

Time-->





#90

Hexachlorobutadiene

Concen: 0.268 ug/l

RT: 14.98 min Scan# 4117

Delta R.T. -0.00 min

Lab File: VN064036.D

Acq: 9 Oct 2020 14:27

Instrument :

MSVOA_N

ClientSampleId :

TRIP-BLANK

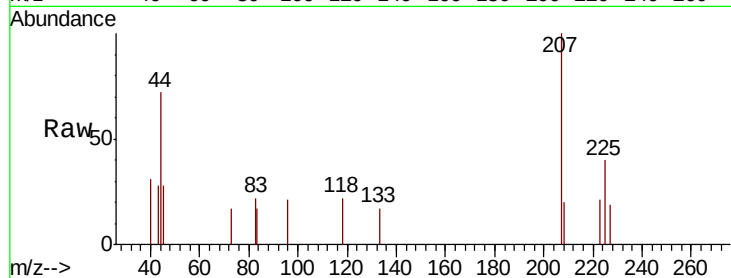
Tot Ion:225 Resp: 370

Ion Ratio Lower Upper

225 100

223 50.3 0.0 122.8

227 17.8 0.0 125.6



Abundance Ion 225.00 (224.70 to 225.70): V

Ion 223.00 (222.70 to 223.70): V

Ion 227.00 (226.70 to 227.70): V

