

Data Path : Z:\VOASRV\HPCHEM1\MSVOA N\DATA\VN042020\
 Data File : VN061101.D
 Acq On : 20 Apr 2020 15:06
 Operator : JC/MD
 Sample : L2338-11
 Misc : 5.00mL/MSVOA N/WATER
 ALS Vial : 12 Sample Multiplier: 1

Instrument :
 MSVOA_N
 ClientSampleId :
 BP-MW204I-20200415RE

Quant Time: Apr 21 03:59:33 2020
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_N\METHODS\82N041620W.M
 Quant Title : SW846 8260
 QLast Update : Fri Apr 17 03:49:39 2020
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	7.64	168	145904	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.56	114	251687	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.40	117	238593	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.34	152	102055	50.00	ug/l	0.00

System Monitoring Compounds	R.T.	QIon	Response	Conc	Units	Dev(Min)
33) 1,2-Dichloroethane-d4	8.00	65	101448	54.34	ug/l	0.00
Spiked Amount			Recovery	=	108.68%	
35) Dibromofluoromethane	7.56	113	75898	51.64	ug/l	0.00
Spiked Amount			Recovery	=	103.28%	
50) Toluene-d8	10.08	98	314444	56.61	ug/l	0.00
Spiked Amount			Recovery	=	113.22%	
62) 4-Bromofluorobenzene	12.40	95	114171	52.45	ug/l	0.00
Spiked Amount			Recovery	=	104.90%	

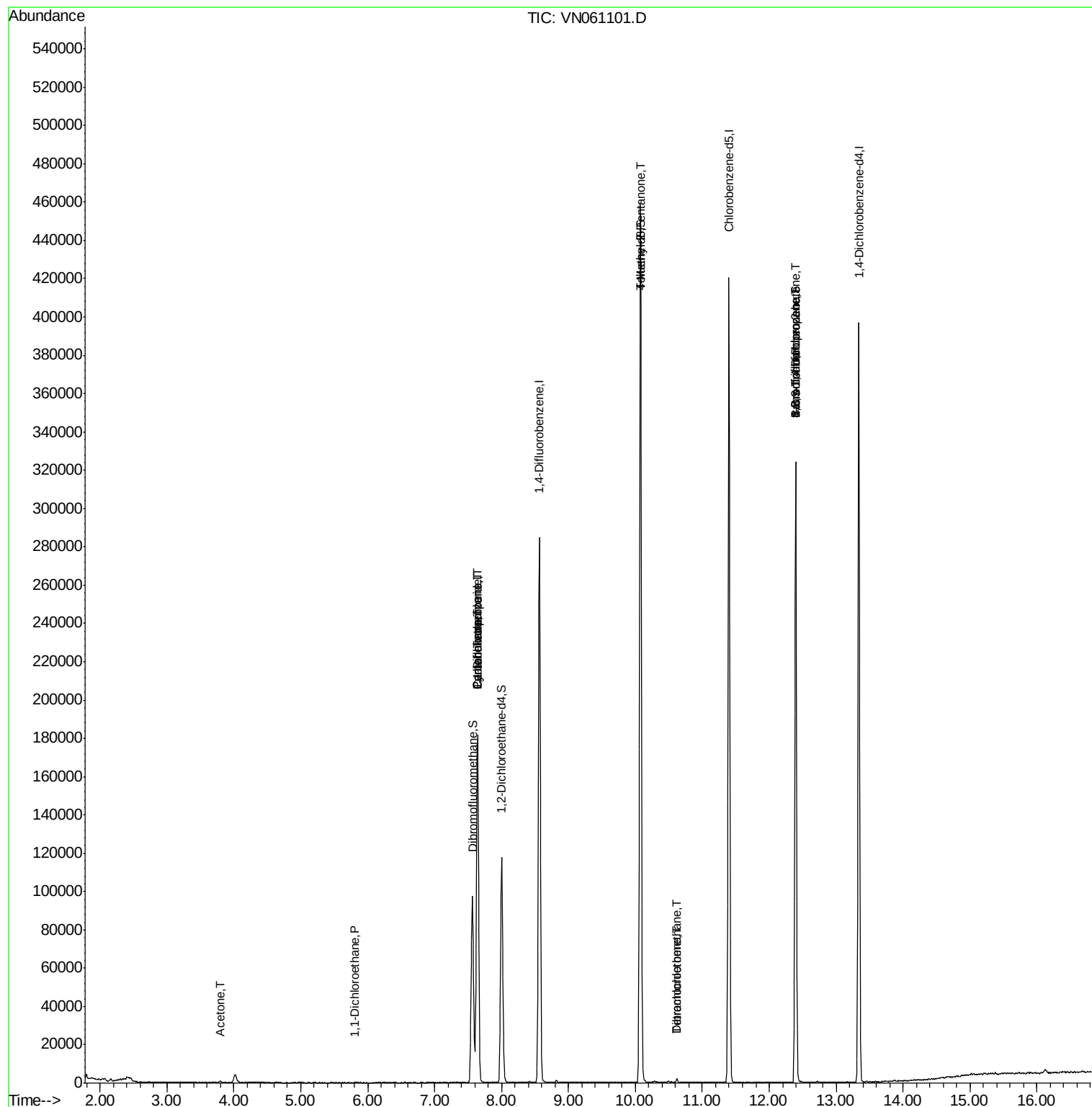
Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
16) Acetone	3.79	43	1675	2.039	ug/l	98
24) 1,1-Dichloroethane	5.81	63	701	0.207	ug/l #	85
31) Cyclohexane	7.64	56	3435	0.988	ug/l #	1
36) 1,1-Dichloropropene	7.64	75	12243	4.714	ug/l #	49
38) Carbon Tetrachloride	7.64	117	14060	6.504	ug/l #	15
51) 4-Methyl-2-Pentanone	10.08	43	1521	0.575	ug/l #	1
60) Dibromochloromethane	10.62	129	370	0.206	ug/l #	10
64) Tetrachloroethene	10.61	164	535	0.293	ug/l #	79
71) Bromoform	12.39	173	323	0.246	ug/l #	1
76) 1,2,3-Trichloropropane	12.39	75	58414	26.022	ug/l #	100
81) trans-1,4-Dichloro-2-buten	12.39	75	58414	64.185	ug/l #	12

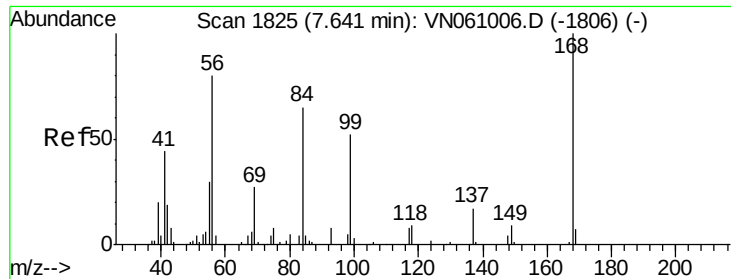
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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Quant Title : SW846 8260
QLast Update : Fri Apr 17 03:49:39 2020
Response via : Initial Calibration





#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 7.64 min Scan# 1825

Delta R.T. 0.00 min

Lab File: VN061101.D

Acq: 20 Apr 2020 15:06

Instrument :

MSVOA_N

ClientSampleId :

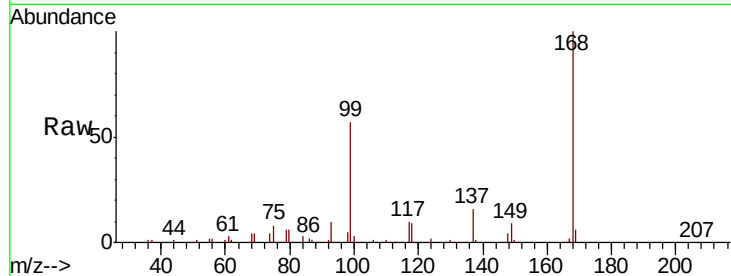
BP-MW204I-20200415RE

Tot Ion:168 Resp: 145904

Ion Ratio Lower Upper

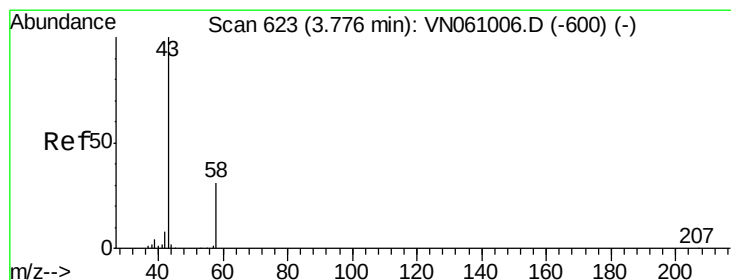
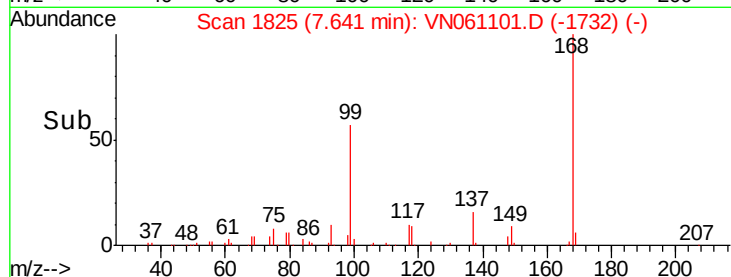
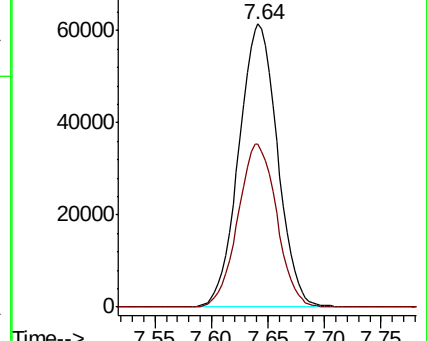
168 100

99 57.4 47.4 71.2



Abundance Ion 167.90 (167.60 to 168.60): V

Ion 98.90 (98.60 to 99.60): VN



#16

Acetone

Concen: 2.039 ug/l

RT: 3.79 min Scan# 627

Delta R.T. 0.01 min

Lab File: VN061101.D

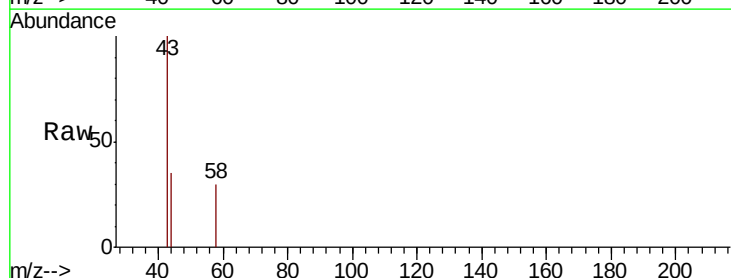
Acq: 20 Apr 2020 15:06

Tgt Ion: 43 Resp: 1675

Ion Ratio Lower Upper

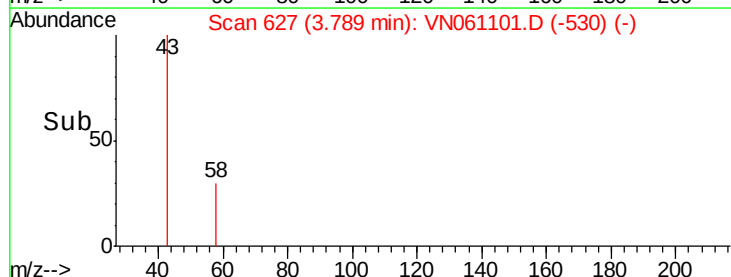
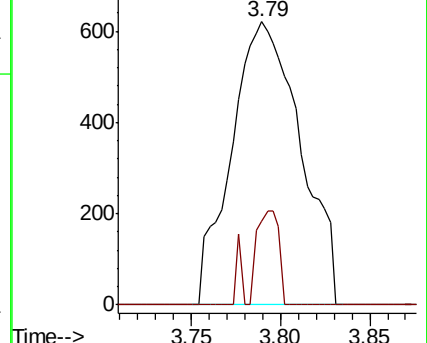
43 100

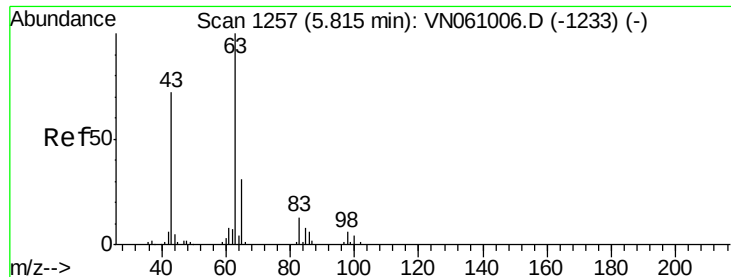
58 29.6 24.6 37.0



Abundance Ion 43.00 (42.70 to 43.70): VN

Ion 58.00 (57.70 to 58.70): VN





#24

1,1-Dichloroethane

Concen: 0.207 ug/l

RT: 5.81 min Scan# 1256

Delta R.T. -0.00 min

Lab File: VN061101.D

Acq: 20 Apr 2020 15:06

Instrument :

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ClientSampleId :

BP-MW204I-20200415RE

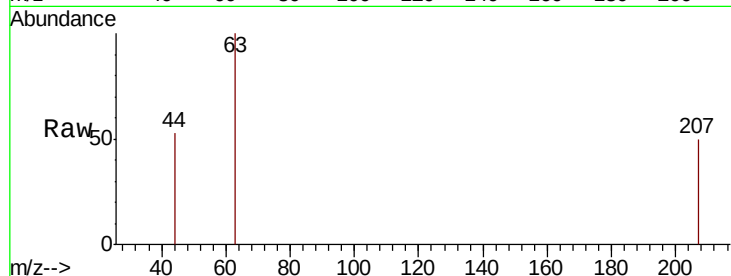
Tot Ion: 63 Resp: 701

Ion Ratio Lower Upper

63 100

98 0.0 2.9 8.8#

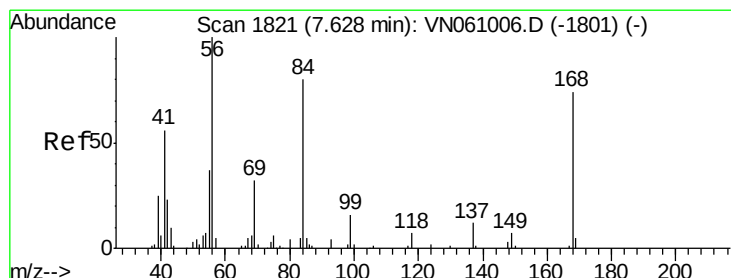
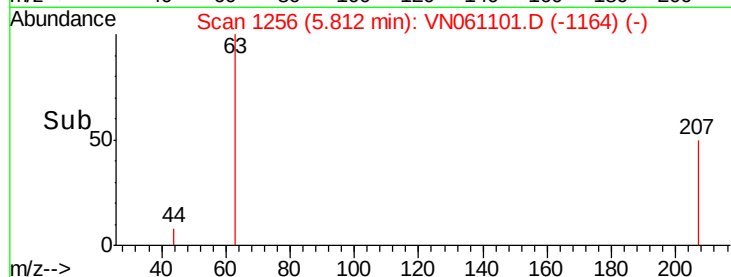
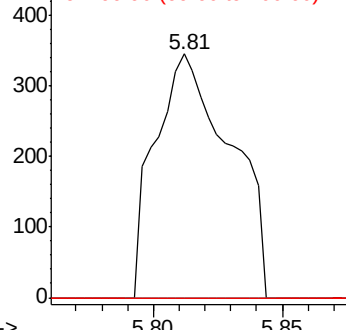
100 0.0 2.0 5.8#



Abundance Ion 62.90 (62.60 to 63.60): VN0

Ion 97.90 (97.60 to 98.60): VN0

Ion 99.90 (99.60 to 100.60): VN0



#31

Cyclohexane

Concen: 0.988 ug/l

RT: 7.64 min Scan# 1824

Delta R.T. 0.01 min

Lab File: VN061101.D

Acq: 20 Apr 2020 15:06

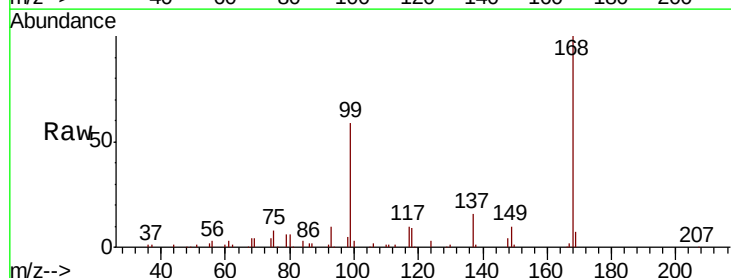
Tgt Ion: 56 Resp: 3435

Ion Ratio Lower Upper

56 100

69 158.1 25.6 38.4#

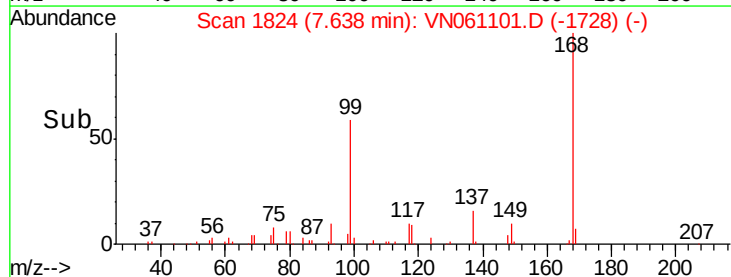
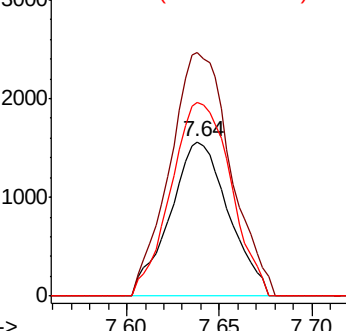
84 125.9 63.4 95.2#

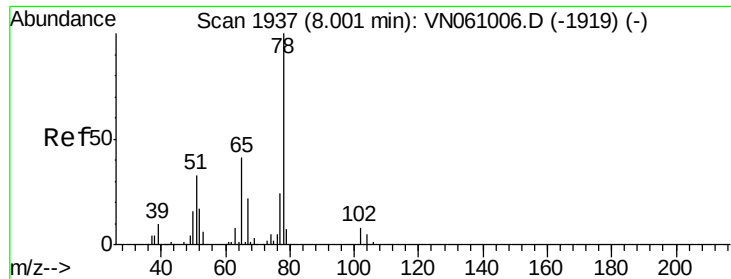


Abundance Ion 56.00 (55.70 to 56.70): VN0

Ion 69.00 (68.70 to 69.70): VN0

Ion 84.00 (83.70 to 84.70): VN0

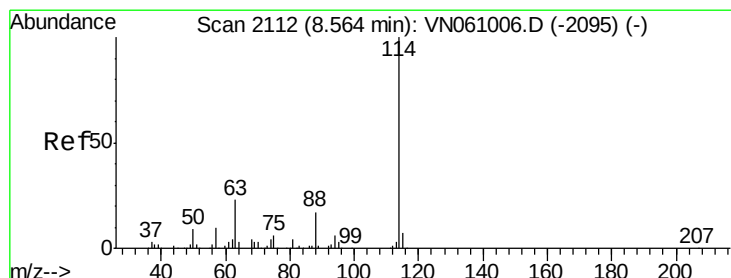
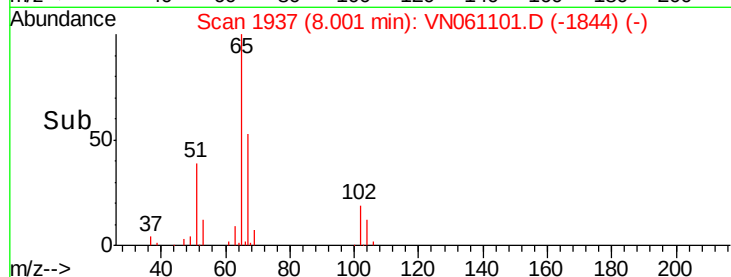
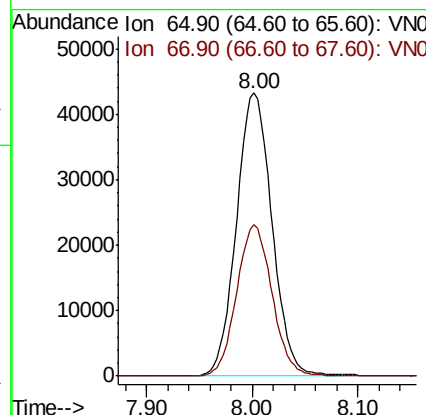
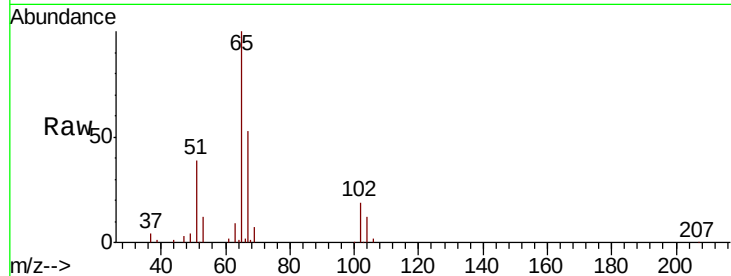




#33
 1,2-Dichloroethane-d4
 Concen: 54.345 ug/l
 RT: 8.00 min Scan# 1937
 Delta R.T. 0.00 min
 Lab File: VN061101.D
 Acq: 20 Apr 2020 15:06

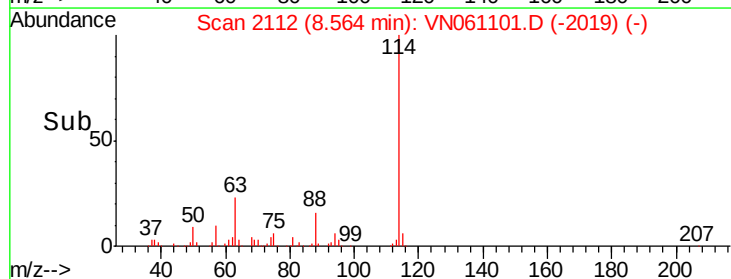
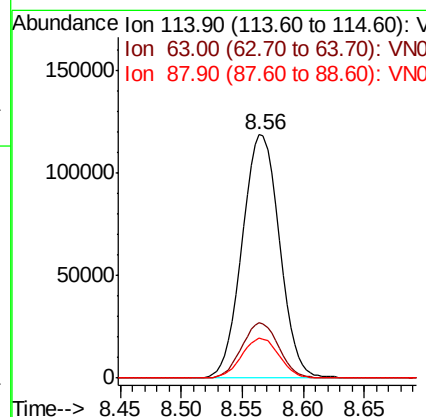
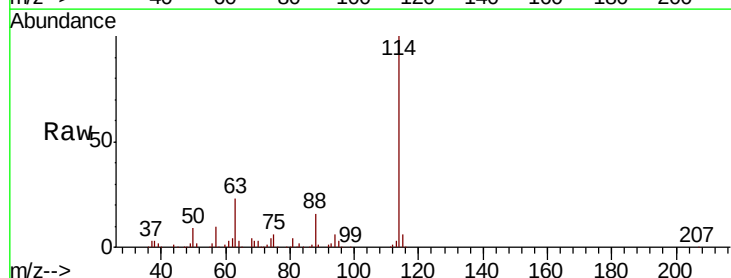
Instrument :
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 BP-MW204I-20200415RE

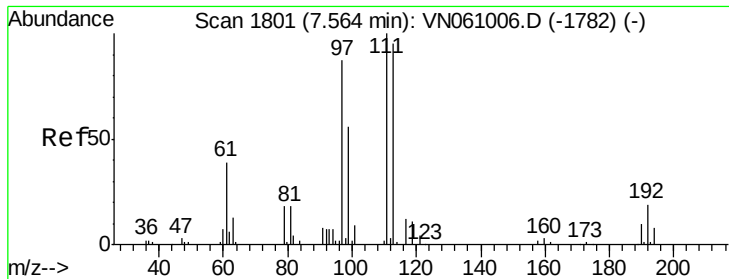
Tot Ion: 65 Resp: 101448
 Ion Ratio Lower Upper
 65 100
 67 53.1 0.0 107.0



#34
 1,4-Difluorobenzene
 Concen: 50.000 ug/l
 RT: 8.56 min Scan# 2112
 Delta R.T. 0.00 min
 Lab File: VN061101.D
 Acq: 20 Apr 2020 15:06

Tgt Ion: 114 Resp: 251687
 Ion Ratio Lower Upper
 114 100
 63 22.8 0.0 46.2
 88 16.3 0.0 33.4





#35

Dibromofluoromethane

Concen: 51.638 ug/l

RT: 7.56 min Scan# 1801

Delta R.T. 0.00 min

Lab File: VN061101.D

Acq: 20 Apr 2020 15:06

Instrument :

MSVOA_N

ClientSampleId :

BP-MW204I-20200415RE

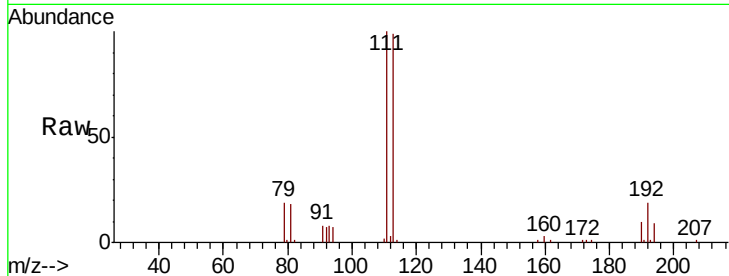
Tot Ion:113 Resp: 75898

Ion Ratio Lower Upper

113 100

111 102.4 83.4 125.2

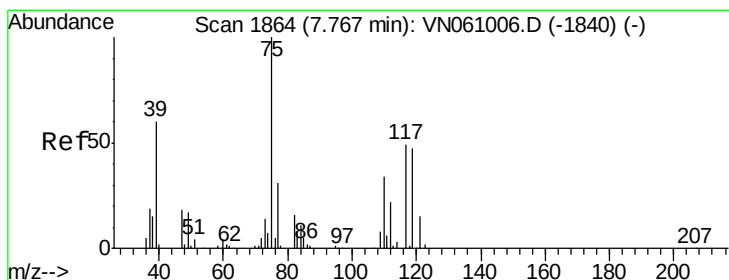
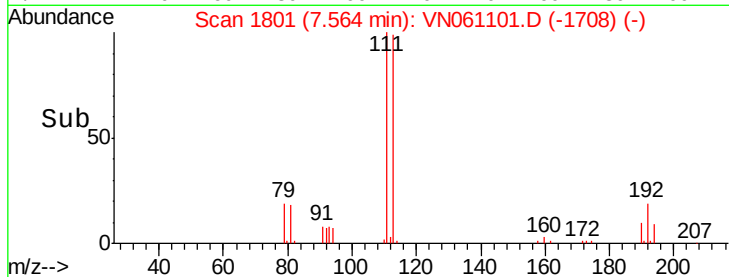
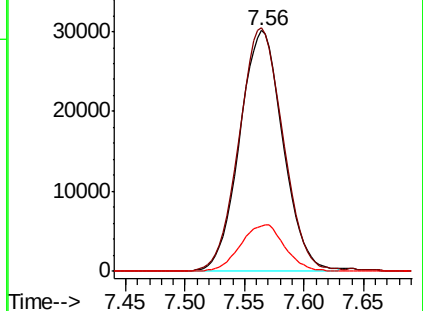
192 19.8 15.5 23.3



Abundance Ion 112.80 (112.50 to 113.50): V

Ion 110.80 (110.50 to 111.50): V

Ion 191.70 (191.40 to 192.40): V



#36

1,1-Dichloropropene

Concen: 4.714 ug/l

RT: 7.64 min Scan# 1824

Delta R.T. -0.13 min

Lab File: VN061101.D

Acq: 20 Apr 2020 15:06

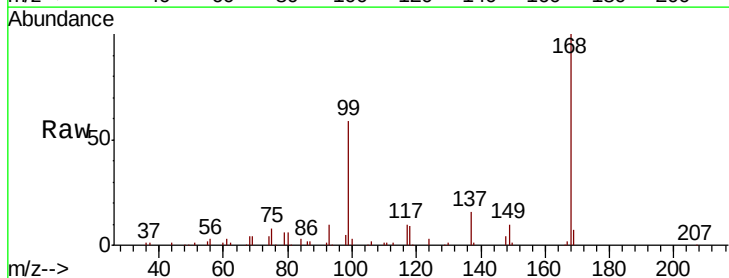
Tgt Ion: 75 Resp: 12243

Ion Ratio Lower Upper

75 100

110 7.4 16.8 50.3#

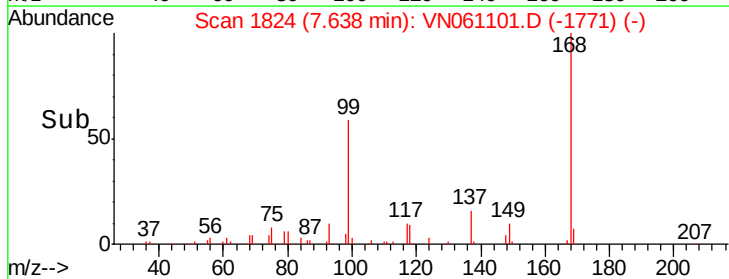
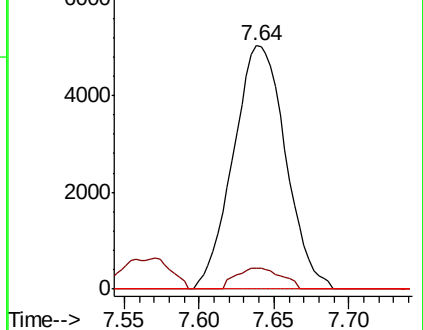
77 0.0 24.7 37.1#

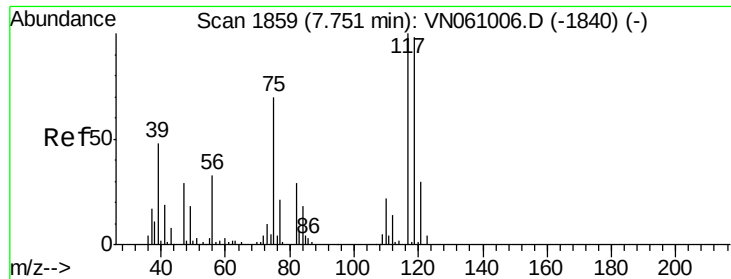


Abundance Ion 74.90 (74.60 to 75.60): VN0

Ion 109.90 (109.60 to 110.60): V

Ion 76.90 (76.60 to 77.60): VN0

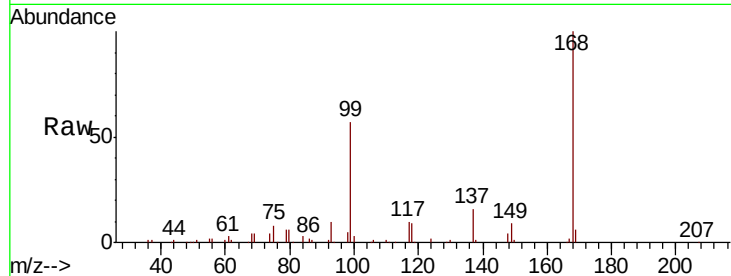




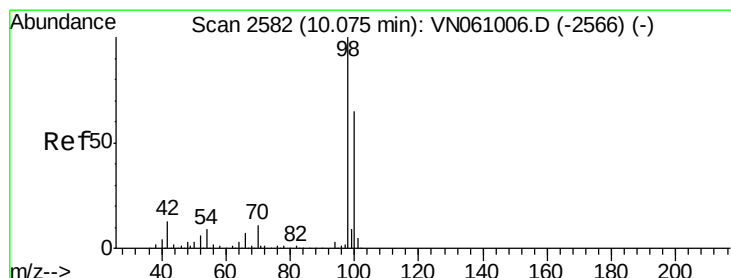
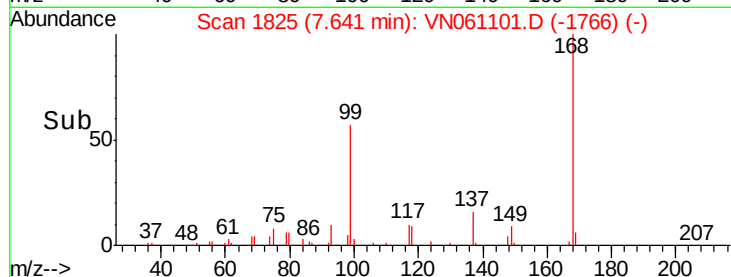
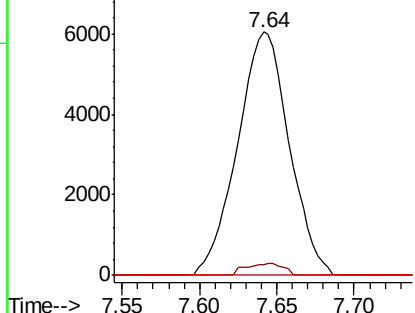
#38
Carbon Tetrachloride
Concen: 6.504 ug/l
RT: 7.64 min Scan# 1825
Delta R.T. -0.11 min
Lab File: VN061101.D
Acq: 20 Apr 2020 15:06

Instrument :
MSVOA_N
ClientSampleId :
BP-MW204I-20200415RE

Tot Ion:117 Resp: 14060
Ion Ratio Lower Upper
117 100
119 4.3 78.1 117.1#
121 0.0 24.0 36.0#

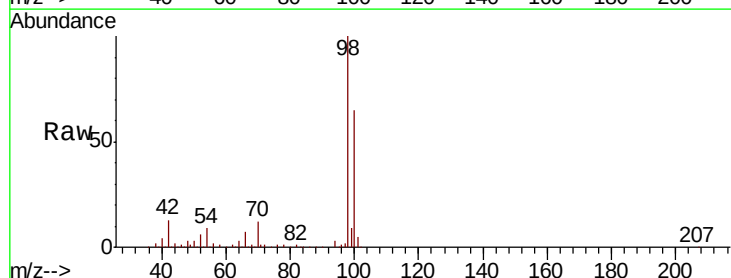


Abundance Ion 116.80 (116.50 to 117.50): V
Ion 118.80 (118.50 to 119.50): V
Ion 120.80 (120.50 to 121.50): V

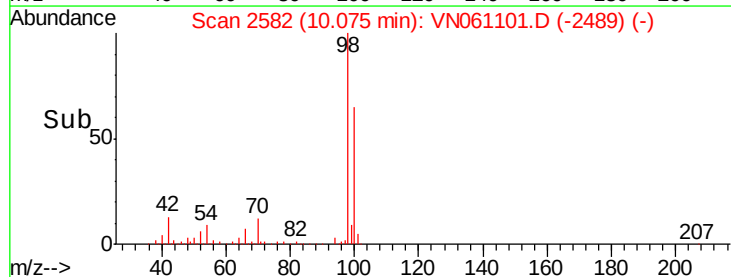
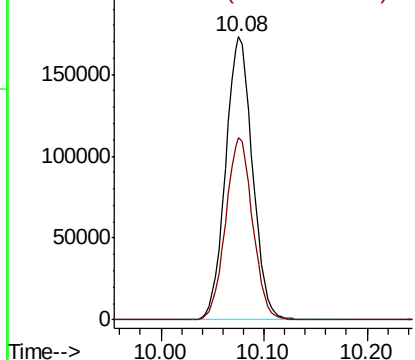


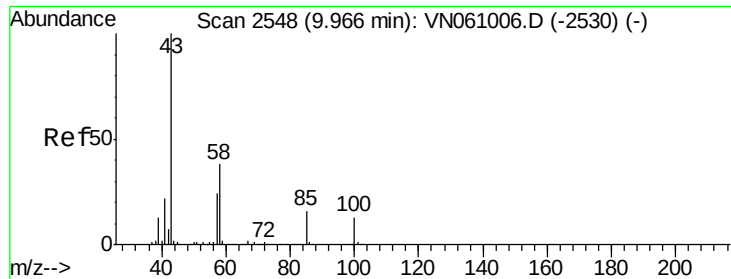
#50
Toluene-d8
Concen: 56.614 ug/l
RT: 10.08 min Scan# 2582
Delta R.T. 0.00 min
Lab File: VN061101.D
Acq: 20 Apr 2020 15:06

Tgt Ion: 98 Resp: 314444
Ion Ratio Lower Upper
98 100
100 64.5 51.9 77.9



Abundance Ion 98.00 (97.70 to 98.70): VN
Ion 100.00 (99.70 to 100.70): VN





#51

4-Methyl-2-Pentanone

Concen: 0.575 ug/l

RT: 10.08 min Scan# 2582

Delta R.T. 0.11 min

Lab File: VN061101.D

Acq: 20 Apr 2020 15:06

Instrument :

MSVOA_N

ClientSampleId :

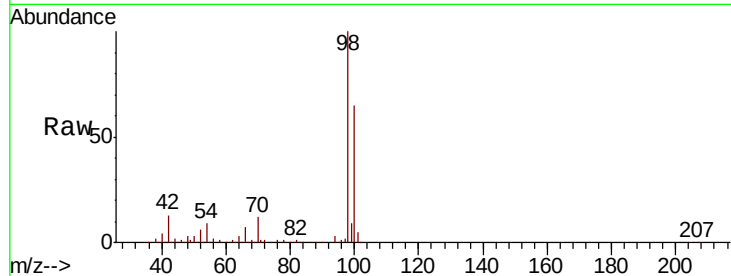
BP-MW204I-20200415RE

Tot Ion: 43 Resp: 1521

Ion Ratio Lower Upper

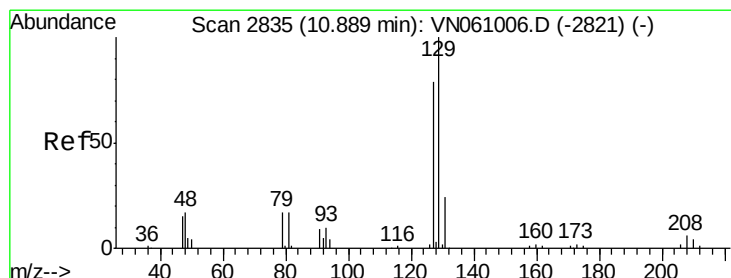
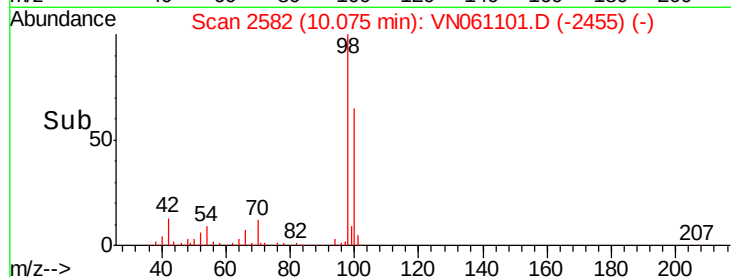
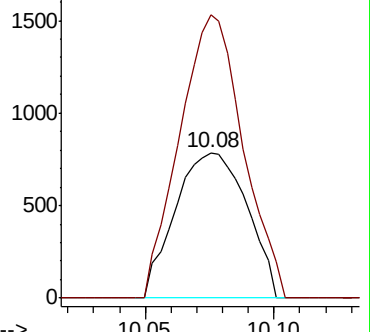
43 100

58 172.5 30.3 45.5#



Abundance Ion 43.00 (42.70 to 43.70): VN061101.D (-2455) (-)

Ion 58.00 (57.70 to 58.70): VN061101.D (-2455) (-)



#60

Dibromochloromethane

Concen: 0.206 ug/l

RT: 10.62 min Scan# 2751

Delta R.T. -0.27 min

Lab File: VN061101.D

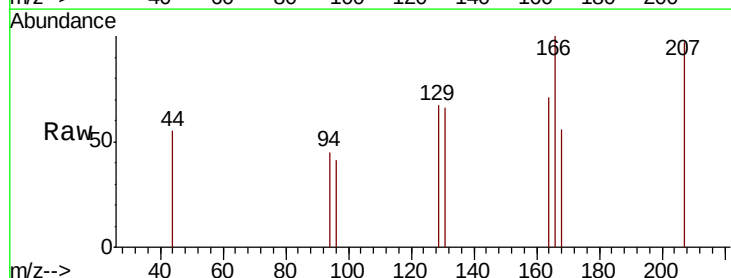
Acq: 20 Apr 2020 15:06

Tgt Ion: 129 Resp: 370

Ion Ratio Lower Upper

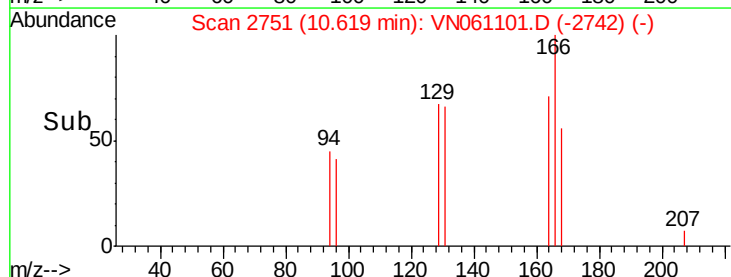
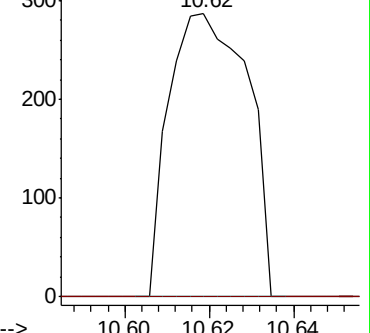
129 100

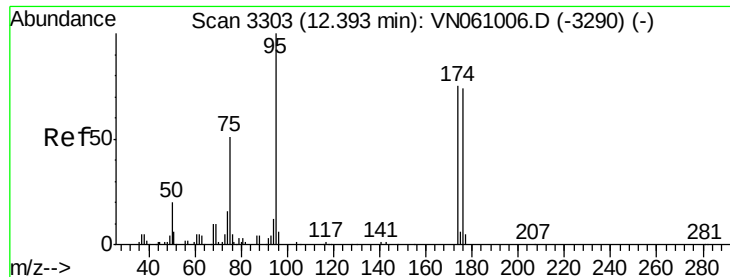
127 0.0 39.0 116.9#



Abundance Ion 128.80 (128.50 to 129.50): VN061101.D (-2742) (-)

Ion 126.80 (126.50 to 127.50): VN061101.D (-2742) (-)

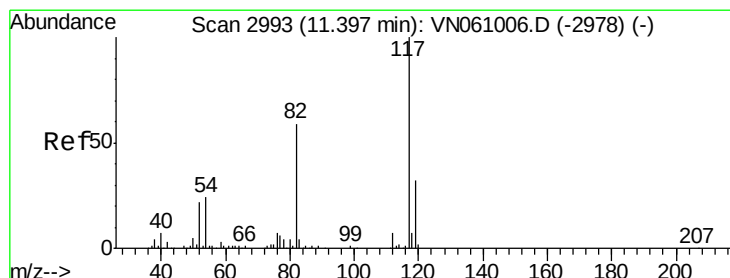
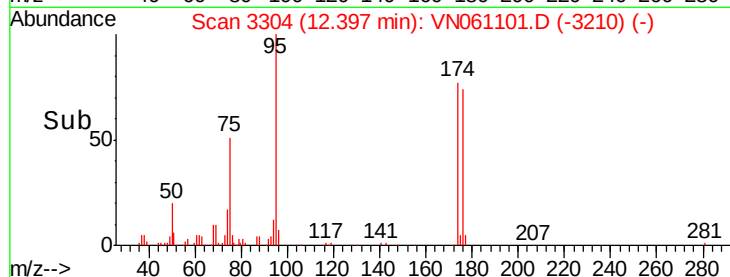
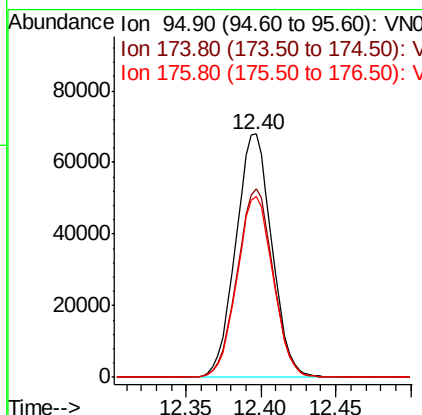
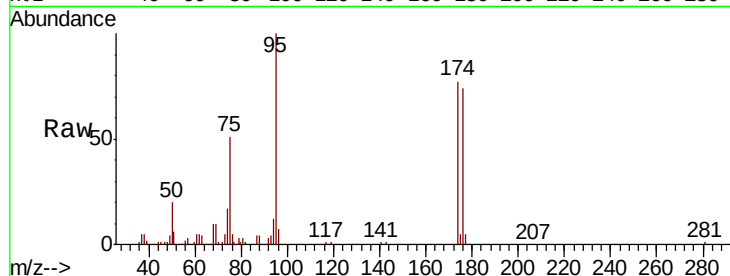




#62
4-Bromofluorobenzene
Concen: 52.448 ug/l
RT: 12.40 min Scan# 3304
Delta R.T. 0.00 min
Lab File: VN061101.D
Acq: 20 Apr 2020 15:06

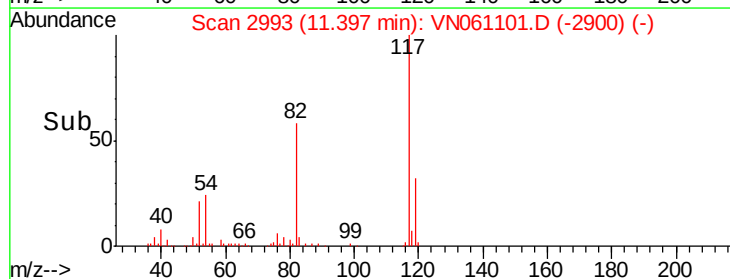
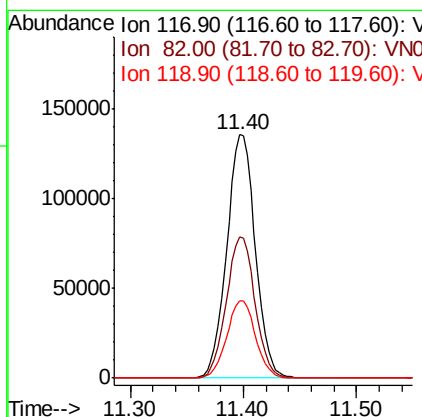
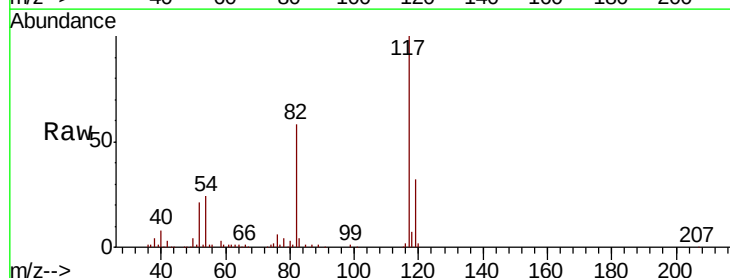
Instrument :
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ClientSampleId :
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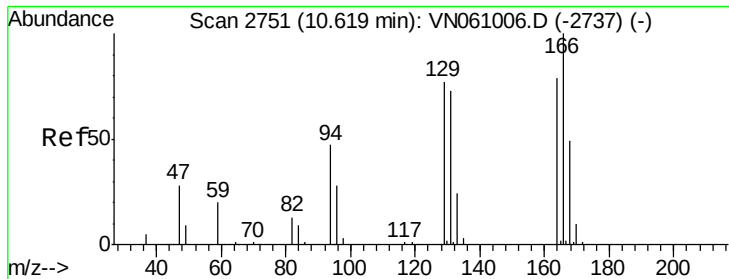
Tot Ion: 95 Resp: 114171
Ion Ratio Lower Upper
95 100
174 77.2 0.0 151.2
176 74.4 0.0 148.2



#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.40 min Scan# 2993
Delta R.T. 0.00 min
Lab File: VN061101.D
Acq: 20 Apr 2020 15:06

Tgt Ion: 117 Resp: 238593
Ion Ratio Lower Upper
117 100
82 58.0 47.1 70.7
119 32.0 25.7 38.5





#64

Tetrachloroethene

Concen: 0.293 ug/l

RT: 10.61 min Scan# 2749

Delta R.T. -0.01 min

Lab File: VN061101.D

Acq: 20 Apr 2020 15:06

Instrument :

MSVOA_N

ClientSampleId :

BP-MW204I-20200415RE

Tot Ion:164 Resp: 535

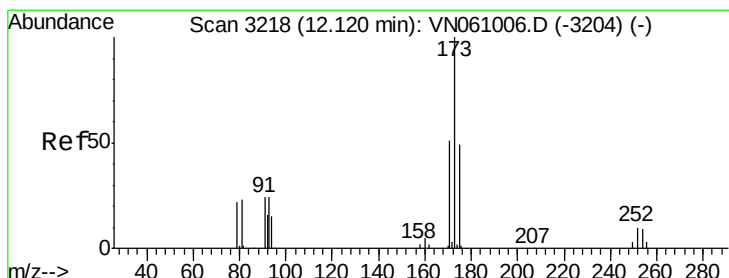
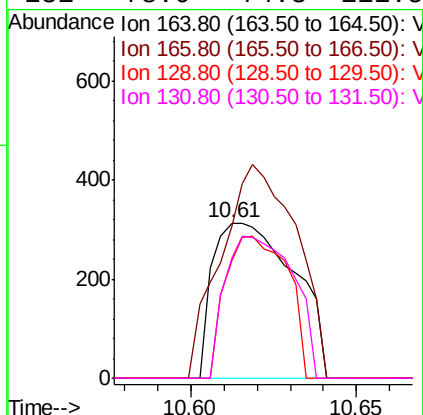
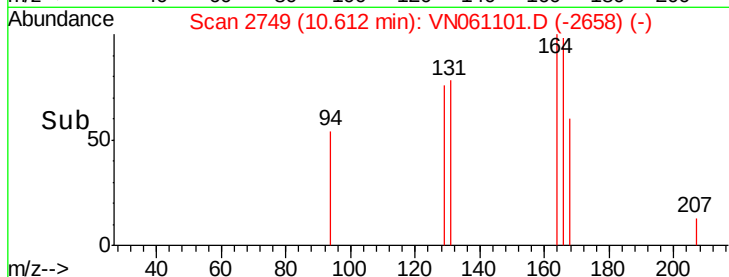
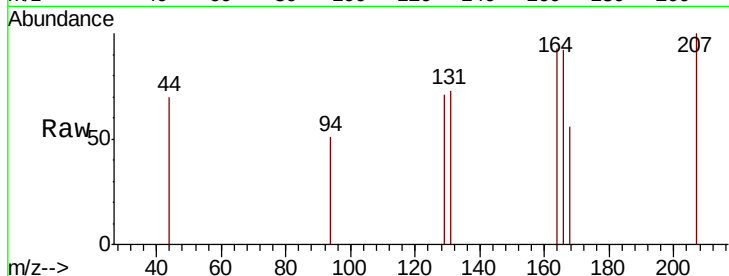
Ion Ratio Lower Upper

164 100

166 98.4 101.6 152.4#

129 76.4 78.5 117.7#

131 78.0 74.3 111.5



#71

Bromoform

Concen: 0.246 ug/l

RT: 12.39 min Scan# 3302

Delta R.T. 0.27 min

Lab File: VN061101.D

Acq: 20 Apr 2020 15:06

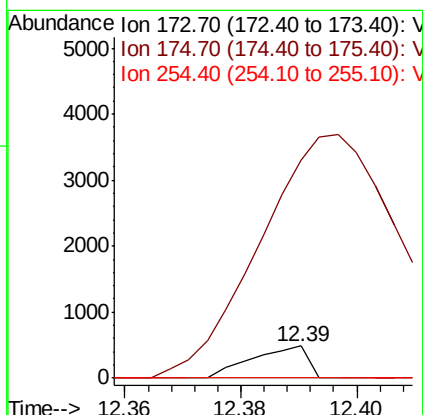
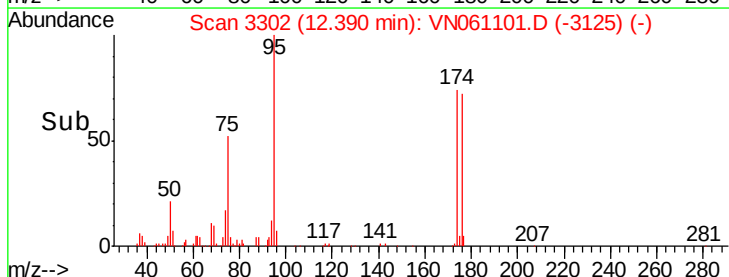
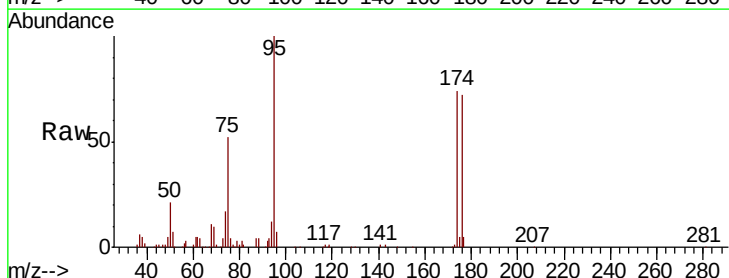
Tgt Ion:173 Resp: 323

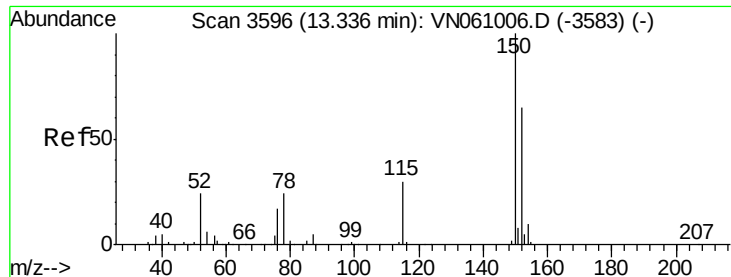
Ion Ratio Lower Upper

173 100

175 1664.7 24.5 73.5#

254 0.0 0.0 0.0





#72

1,4-Dichlorobenzene-d4

Concen: 50.000 ug/l

RT: 13.34 min Scan# 3597

Delta R.T. 0.00 min

Lab File: VN061101.D

Acq: 20 Apr 2020 15:06

Instrument :

MSVOA_N

ClientSampleId :

BP-MW204I-20200415RE

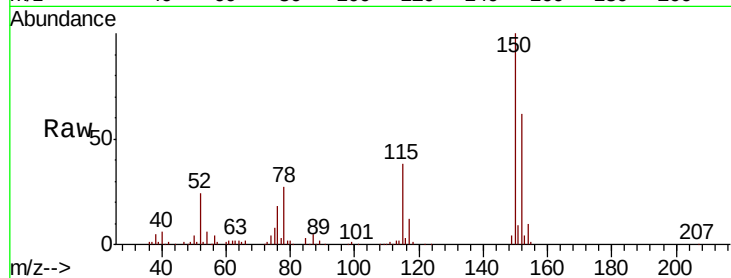
Tot Ion:152 Resp: 102055

Ion Ratio Lower Upper

152 100

115 61.7 30.8 92.4

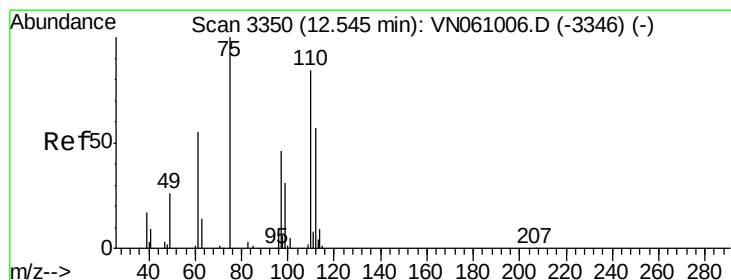
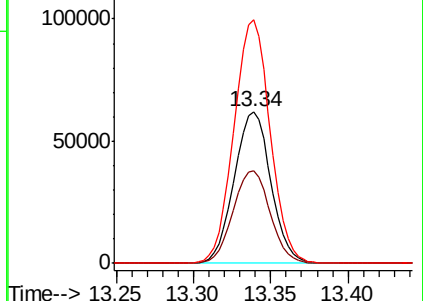
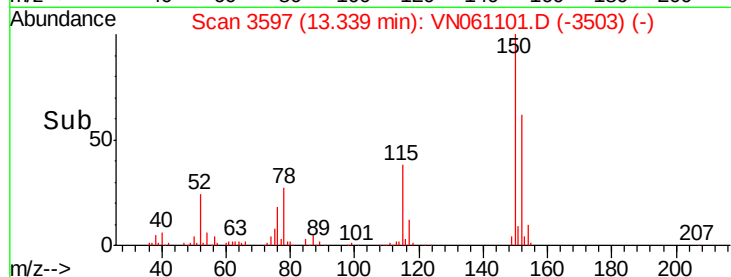
150 158.9 0.0 349.0



Abundance Ion 151.90 (151.60 to 152.60): V

Ion 114.90 (114.60 to 115.60): V

Ion 149.90 (149.60 to 150.60): V



#76

1,2,3-Trichloropropane

Concen: 26.022 ug/l

RT: 12.39 min Scan# 3303

Delta R.T. -0.15 min

Lab File: VN061101.D

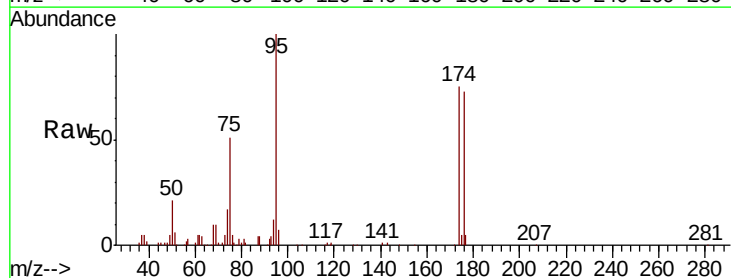
Acq: 20 Apr 2020 15:06

Tgt Ion: 75 Resp: 58414

Ion Ratio Lower Upper

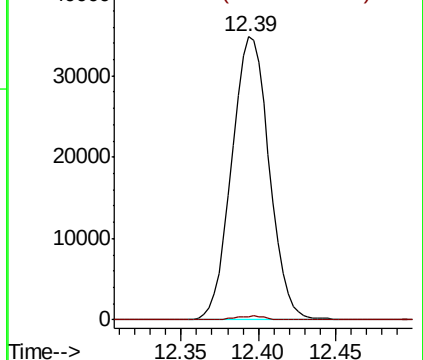
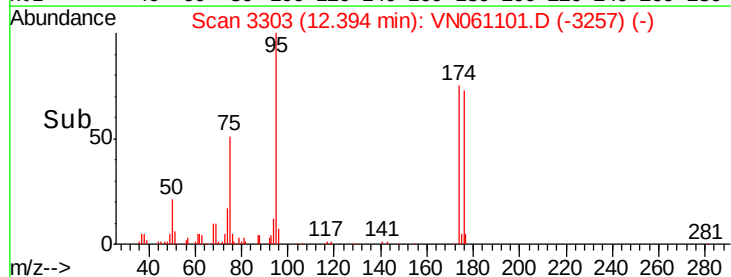
75 100

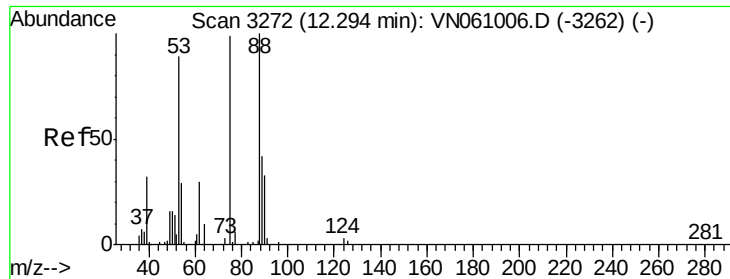
77 1.0 0.0 0.0#



Abundance Ion 74.90 (74.60 to 75.60): VN0

Ion 77.00 (76.70 to 77.70): VN0





#81

trans-1,4-Dichloro-2-butene

Concen: 64.185 ug/l

RT: 12.39 min Scan# 3303

Delta R.T. 0.10 min

Lab File: VN061101.D

Acq: 20 Apr 2020 15:06

Instrument :

MSVOA_N

ClientSampleId :

BP-MW204I-20200415RE

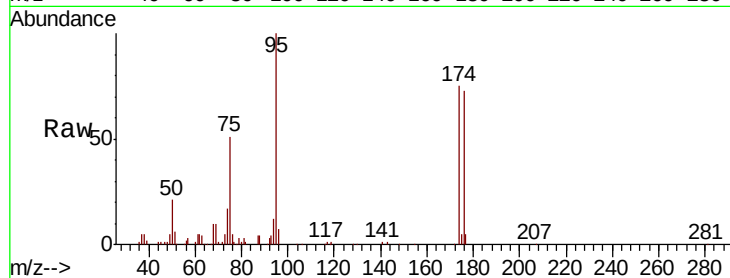
Tot Ion: 75 Resp: 58414

Ion Ratio Lower Upper

75 100

53 0.0 74.7 112.1#

89 0.0 34.6 52.0#



Abundance Ion 74.90 (74.60 to 75.60): VNO

Ion 53.00 (52.70 to 53.70): VNO

Ion 88.90 (88.60 to 89.60): VNO

