

Data Path : Z:\VOASRV\HPCHEM1\MSVOA N\DATA\VN100119\
 Data File : VN058468.D
 Acq On : 1 Oct 2019 17:47
 Operator : JC/SP
 Sample : I.BLK
 Misc : 5.00mL/MSVOA N/WATER
 ALS Vial : 21 Sample Multiplier: 1

Instrument :
 MSVOA_N
 ClientSampleId :
 I.BLK

Quant Time: Oct 02 01:29:33 2019
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_N\METHODS\82N092719W.M
 Quant Title : SW846 8260
 QLast Update : Mon Sep 30 08:07:38 2019
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	7.65	168	399098	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.57	114	652847	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.41	117	554457	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.35	152	211699	50.00	ug/l	0.00

System Monitoring Compounds	R.T.	QIon	Response	Conc	Units	Dev(Min)
33) 1,2-Dichloroethane-d4	8.01	65	291649	50.01	ug/l	0.00
Spiked Amount			Recovery	=	100.02%	
35) Dibromofluoromethane	7.57	113	203597	50.88	ug/l	0.00
Spiked Amount			Recovery	=	101.76%	
50) Toluene-d8	10.08	98	817741	52.17	ug/l	0.00
Spiked Amount			Recovery	=	104.34%	
62) 4-Bromofluorobenzene	12.41	95	255372	45.06	ug/l	0.00
Spiked Amount			Recovery	=	90.12%	

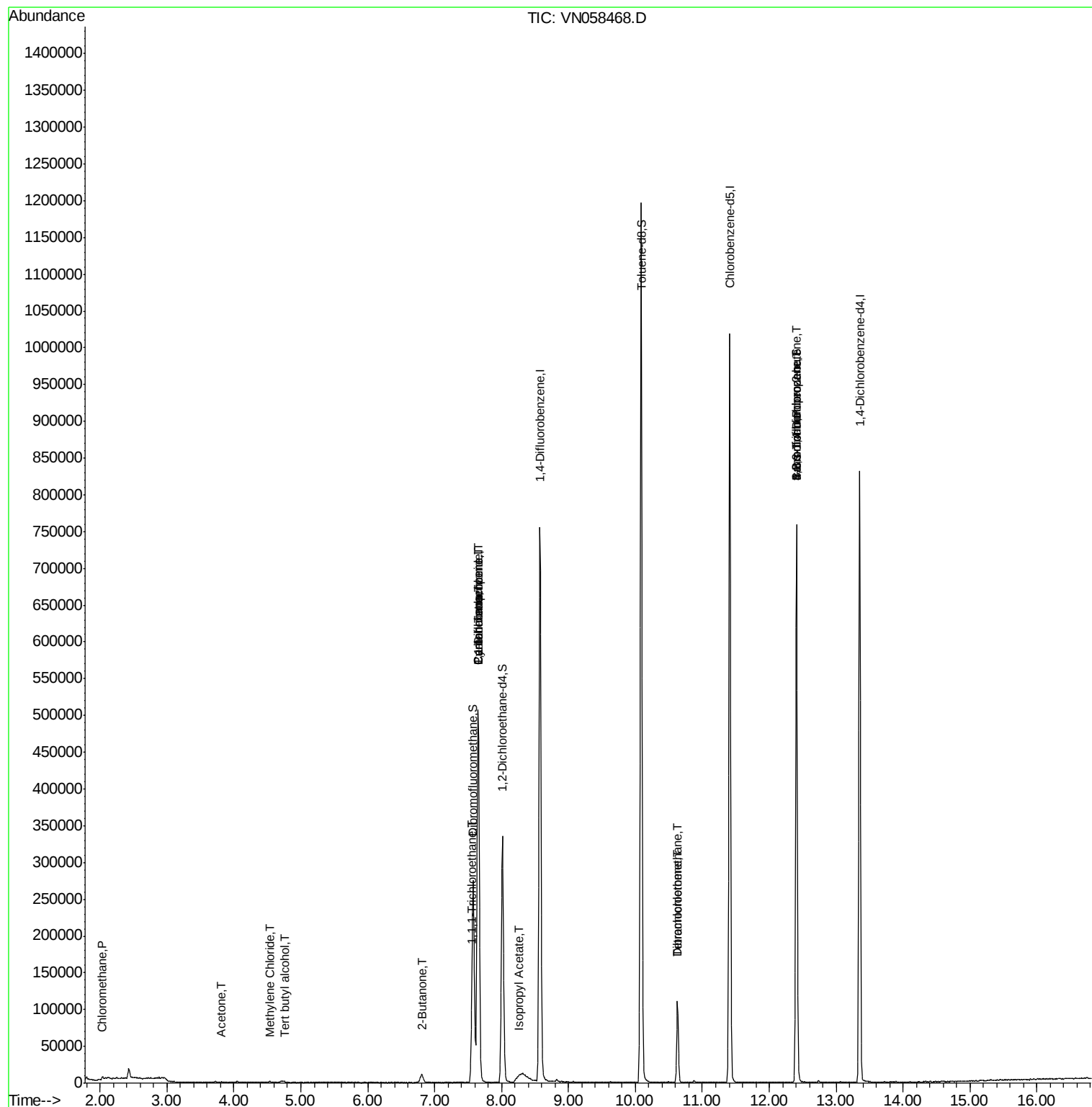
Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
3) Chloromethane	2.03	50	1797	0.374	ug/l #	79
11) Tert butyl alcohol	4.76	59	160	0.247	ug/l #	71
16) Acetone	3.80	43	533	0.268	ug/l #	47
20) Methylene Chloride	4.54	84	1078	0.235	ug/l #	50
25) 2-Butanone	6.80	43	803	0.294	ug/l #	50
31) Cyclohexane	7.65	56	10389	1.287	ug/l #	21
32) 1,1,1-Trichloroethane	7.54	97	2461	0.356	ug/l #	10
36) 1,1-Dichloropropene	7.65	75	33987	5.444	ug/l #	51
38) Carbon Tetrachloride	7.65	117	40776	7.237	ug/l #	16
43) Isopropyl Acetate	8.25	43	8930	0.897	ug/l #	63
60) Dibromochloromethane	10.63	129	21899	4.641	ug/l #	11
64) Tetrachloroethene	10.63	164	24291	6.896	ug/l	96
71) Bromoform	12.41	173	1321	1.202	ug/l #	1
76) 1,2,3-Trichloropropane	12.41	75	139120	35.979	ug/l #	100
81) trans-1,4-Dichloro-2-buten	12.41	75	139120	109.273	ug/l #	7
95) Naphthalene	15.14	128	280	Below Cal	#	70

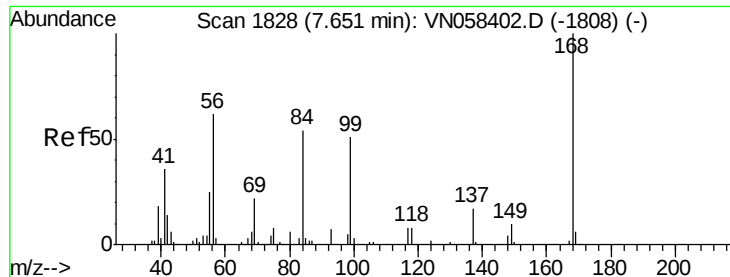
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 7.65 min Scan# 1828

Delta R.T. -0.00 min

Lab File: VN058468.D

Acq: 1 Oct 2019 17:47

Instrument :

MSVOA_N

ClientSampled :

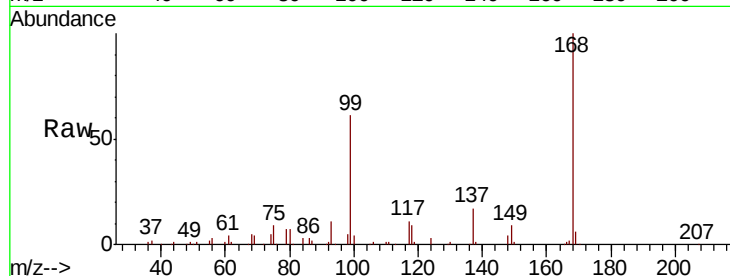
I.BLK

Tot Ion:168 Resp: 399098

Ion Ratio Lower Upper

168 100

99 61.4 47.7 71.5



Abundance Ion 167.90 (167.60 to 168.60): V

Ion 98.90 (98.60 to 99.60): VN

7.65

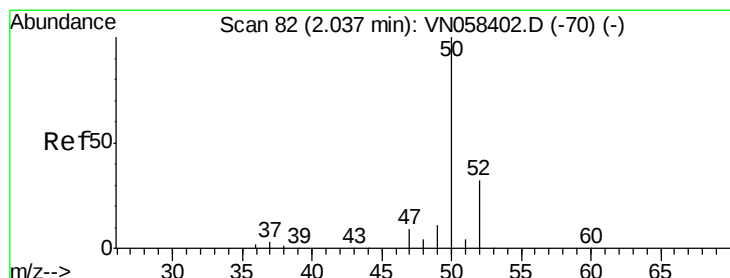
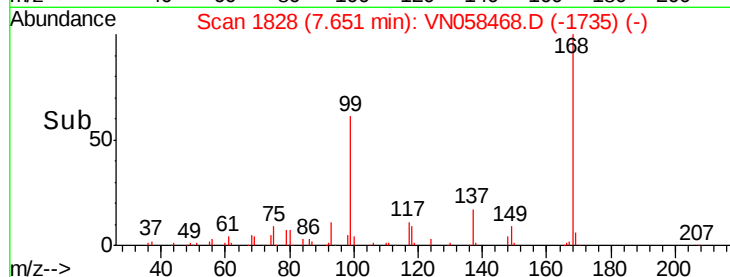
150000

100000

50000

0

Time--> 7.50 7.60 7.70 7.80



#3

Chloromethane

Concen: 0.374 ug/l

RT: 2.03 min Scan# 81

Delta R.T. -0.00 min

Lab File: VN058468.D

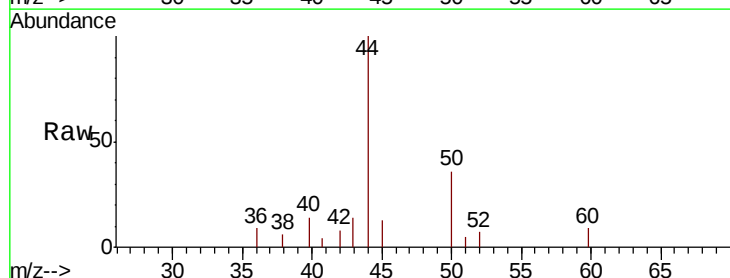
Acq: 1 Oct 2019 17:47

Tgt Ion: 50 Resp: 1797

Ion Ratio Lower Upper

50 100

52 20.5 25.9 38.9#



Abundance Ion 49.90 (49.60 to 50.60): VN

Ion 51.90 (51.60 to 52.60): VN

2.03

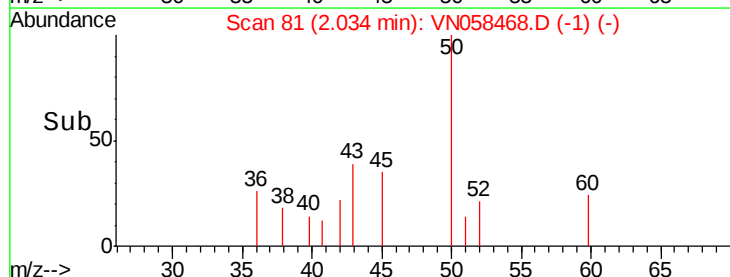
1500

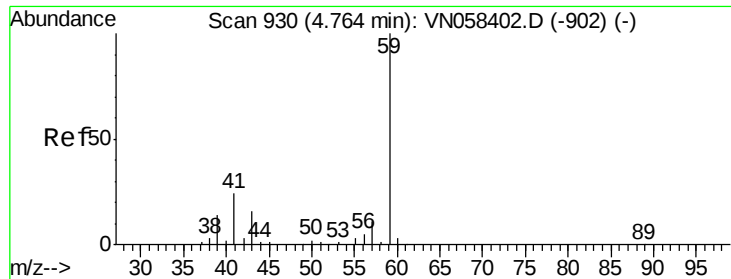
1000

500

0

Time--> 2.00 2.05



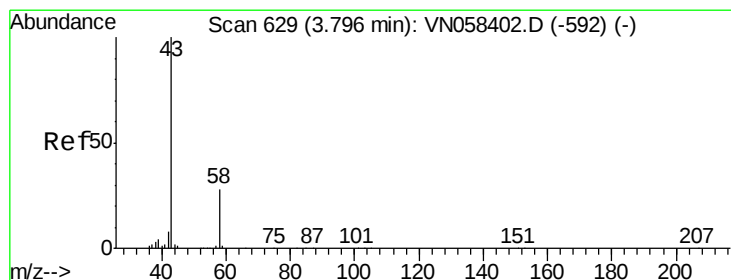
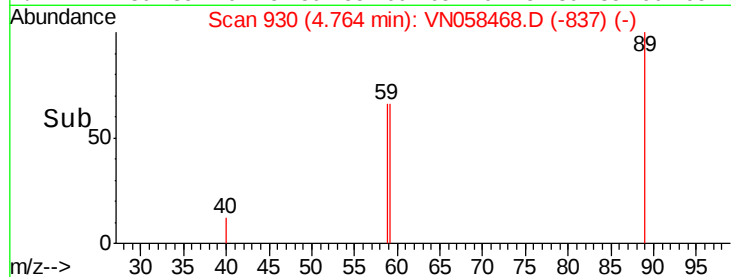
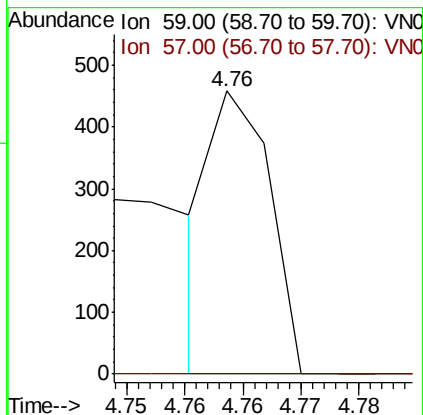
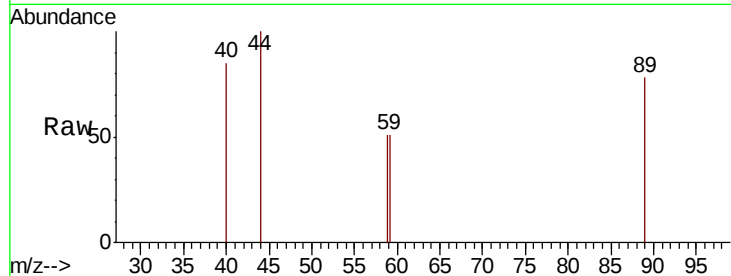


#11

Tert butyl alcohol
 Concen: 0.247 ug/l
 RT: 4.76 min Scan# 930
 Delta R.T. 0.00 min
 Lab File: VN058468.D
 Acq: 1 Oct 2019 17:47

Instrument :
 MSVOA_N
 ClientSampled :
 I.BLK

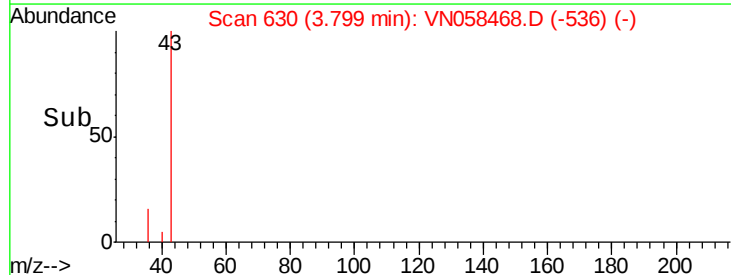
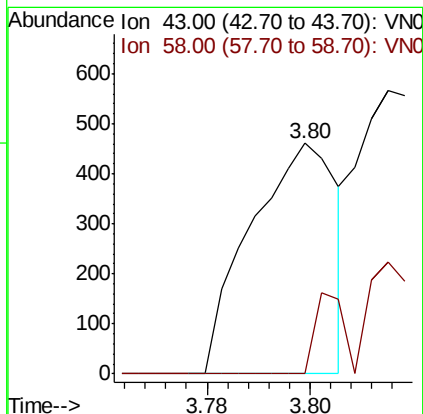
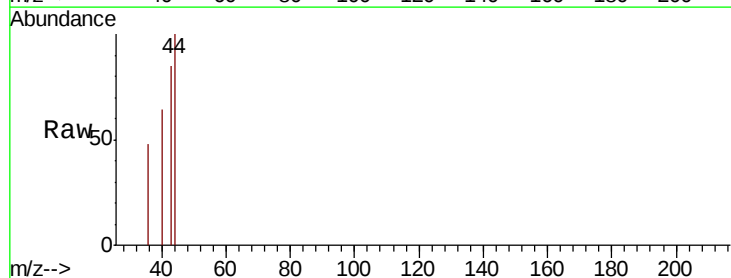
Tot Ion: 59 Resp: 160
 Ion Ratio Lower Upper
 59 100
 57 0.0 9.0 13.4#

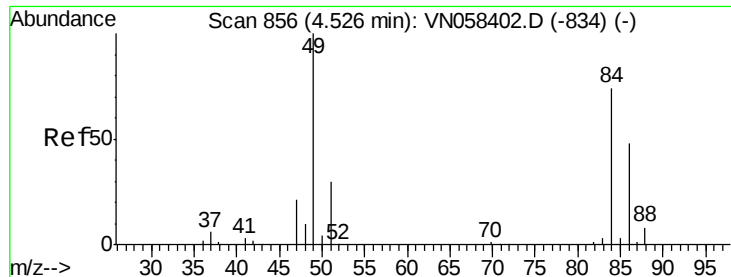


#16

Acetone
 Concen: 0.268 ug/l
 RT: 3.80 min Scan# 630
 Delta R.T. 0.00 min
 Lab File: VN058468.D
 Acq: 1 Oct 2019 17:47

Tgt Ion: 43 Resp: 533
 Ion Ratio Lower Upper
 43 100
 58 0.0 22.4 33.6#

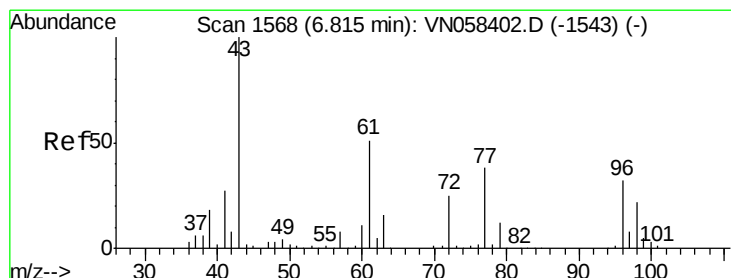
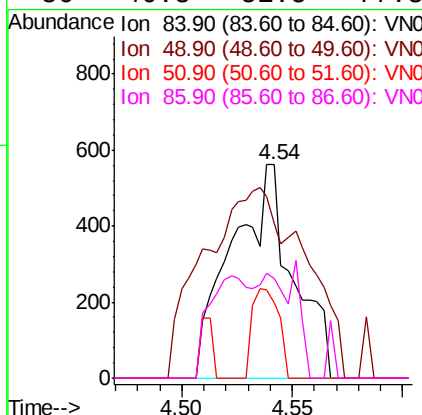
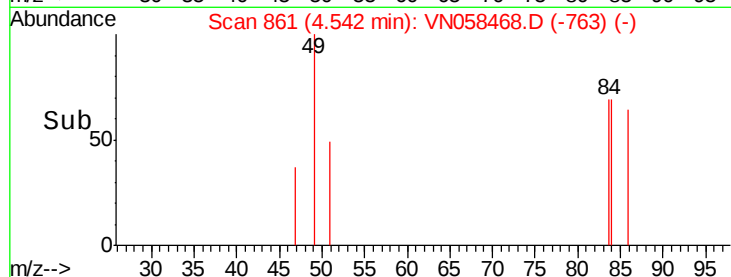
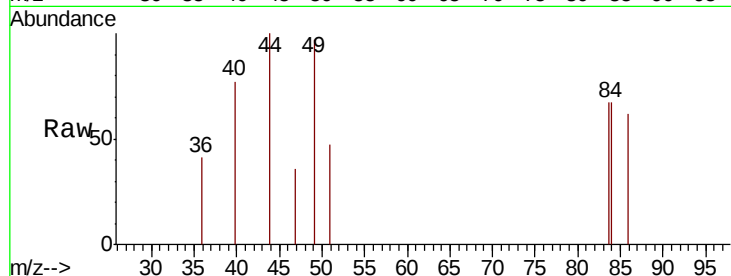




#20
Methvlene Chloride
Concen: 0.235 ug/l
RT: 4.54 min Scan# 861
Delta R.T. 0.02 min
Lab File: VN058468.D
Acq: 1 Oct 2019 17:47

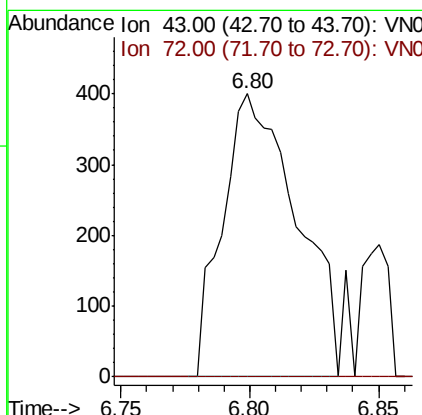
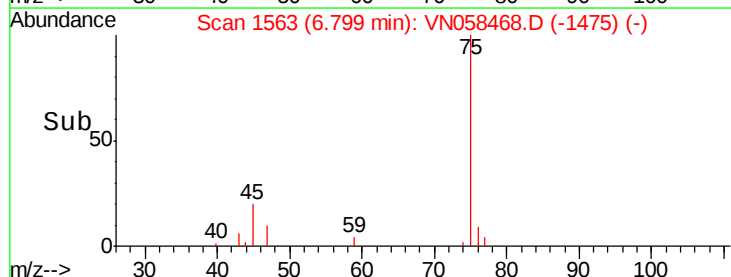
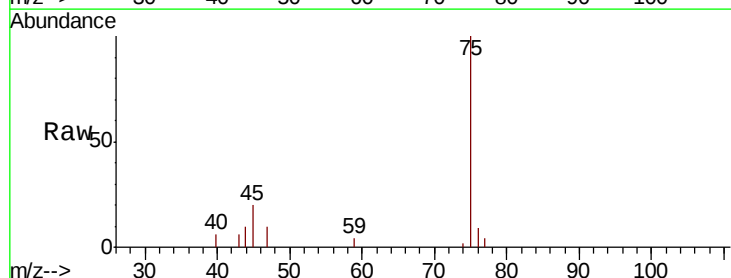
Instrument :
MSVOA_N
ClientSampled :
I.BLK

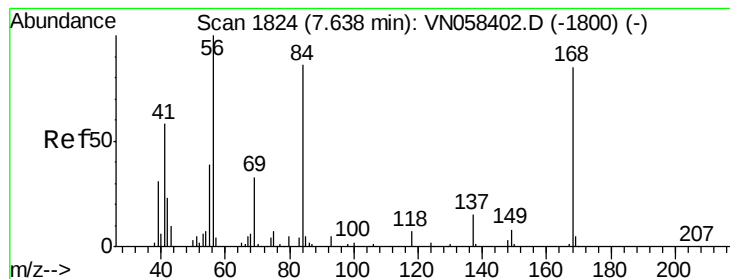
Tot Ion: 84 Resp: 1078
Ion Ratio Lower Upper
84 100
49 45.7 107.9 161.9#
51 35.4 32.8 49.2
86 46.8 51.5 77.3#



#25
2-Butanone
Concen: 0.294 ug/l
RT: 6.80 min Scan# 1563
Delta R.T. -0.02 min
Lab File: VN058468.D
Acq: 1 Oct 2019 17:47

Tgt Ion: 43 Resp: 803
Ion Ratio Lower Upper
43 100
72 0.0 20.2 30.4#





#31

Cyclohexane

Concen: 1.287 ug/l

RT: 7.65 min Scan# 1829

Delta R.T. 0.02 min

Lab File: VN058468.D

Acq: 1 Oct 2019 17:47

Instrument :

MSVOA_N

ClientSampled :

I.BLK

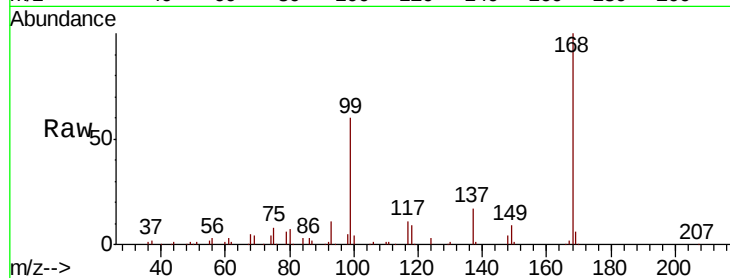
Tot Ion: 56 Resp: 10389

Ion Ratio Lower Upper

56 100

69 150.5 26.2 39.4#

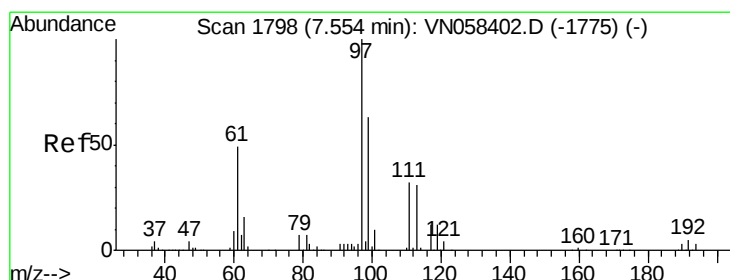
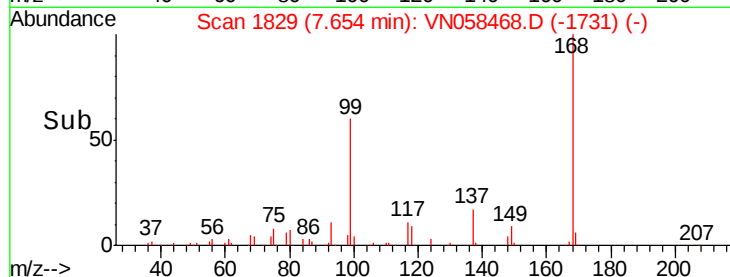
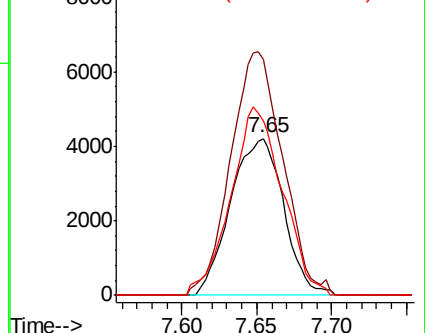
84 110.9 67.6 101.4#



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



#32

1,1,1-Trichloroethane

Concen: 0.356 ug/l

RT: 7.54 min Scan# 1795

Delta R.T. -0.01 min

Lab File: VN058468.D

Acq: 1 Oct 2019 17:47

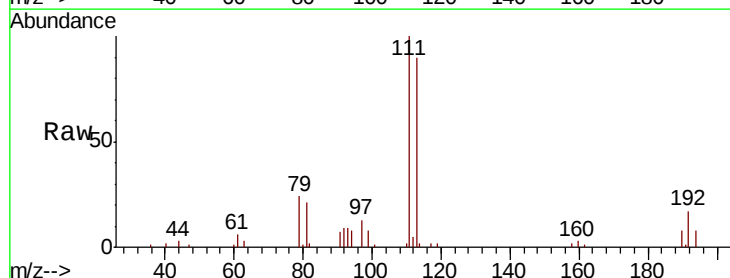
Tgt Ion: 97 Resp: 2461

Ion Ratio Lower Upper

97 100

99 0.0 51.1 76.7#

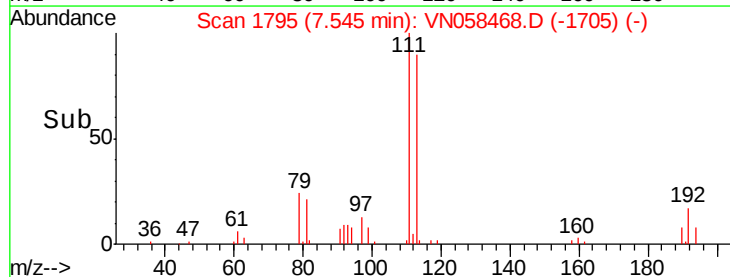
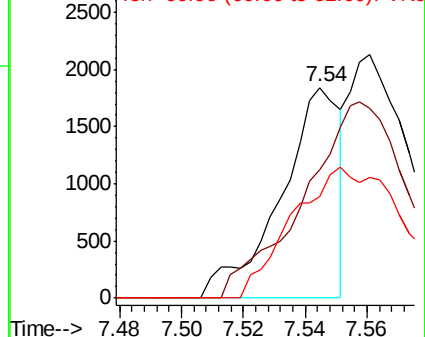
61 117.1 39.2 58.8#

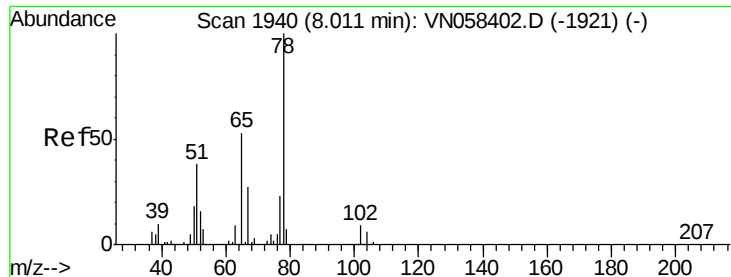


Abundance Ion 96.90 (96.60 to 97.60): VN0

Ion 98.90 (98.60 to 99.60): VN0

Ion 60.90 (60.60 to 61.60): VN0

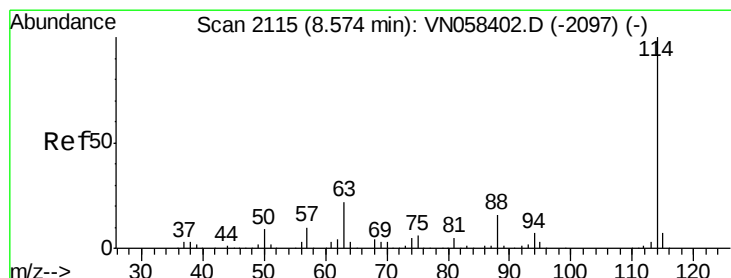
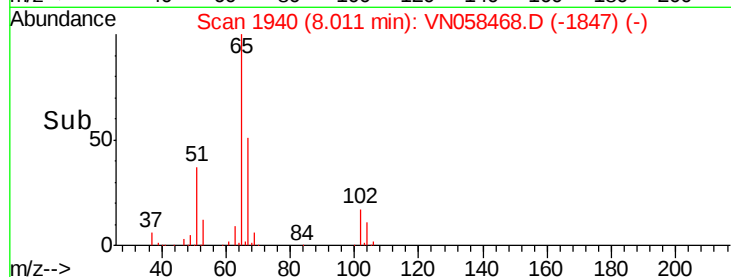
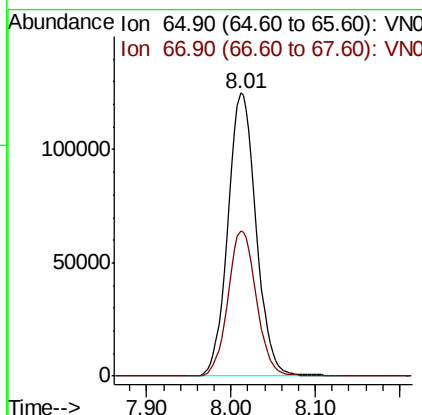
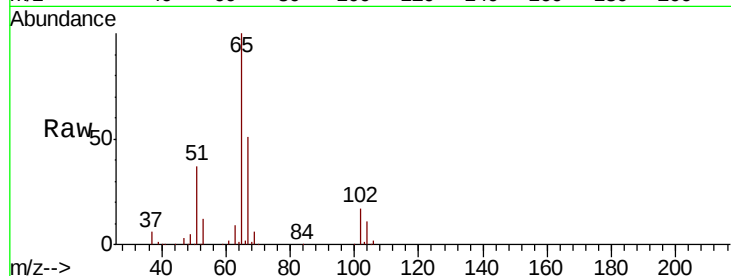




#33
 1,2-Dichloroethane-d4
 Concen: 50.007 ug/l
 RT: 8.01 min Scan# 1940
 Delta R.T. -0.00 min
 Lab File: VN058468.D
 Acq: 1 Oct 2019 17:47

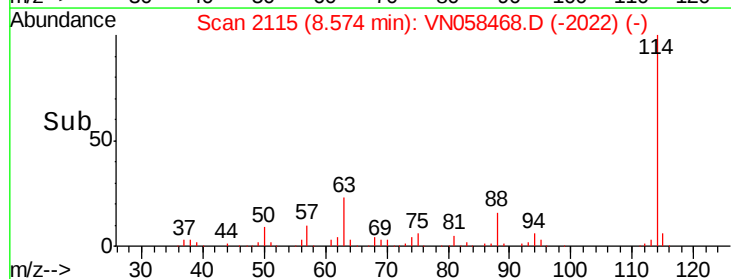
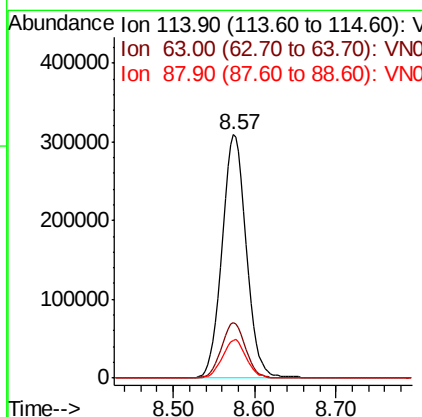
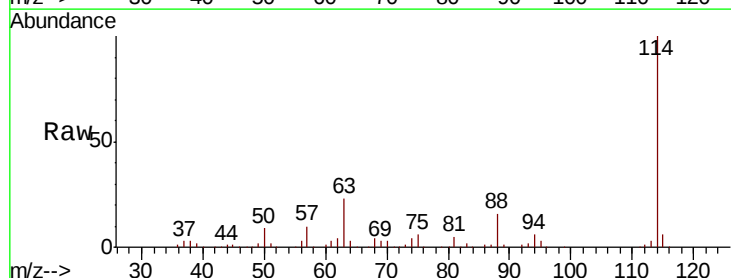
Instrument :
 MSVOA_N
 ClientSampled :
 I.BLK

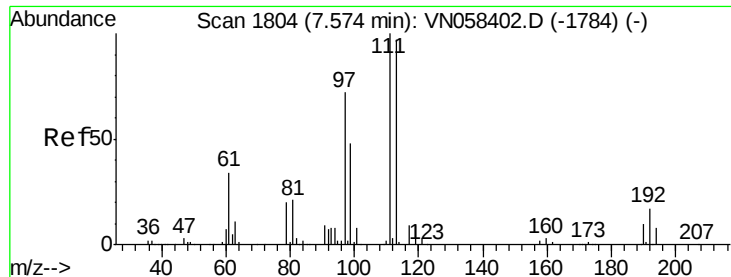
Tot Ion: 65 Resp: 291649
 Ion Ratio Lower Upper
 65 100
 67 51.6 0.0 102.4



#34
 1,4-Difluorobenzene
 Concen: 50.000 ug/l
 RT: 8.57 min Scan# 2115
 Delta R.T. -0.00 min
 Lab File: VN058468.D
 Acq: 1 Oct 2019 17:47

Tgt Ion: 114 Resp: 652847
 Ion Ratio Lower Upper
 114 100
 63 22.9 0.0 45.0
 88 15.7 0.0 32.2





#35

Dibromofluoromethane

Concen: 50.884 ug/l

RT: 7.57 min Scan# 1804

Delta R.T. -0.00 min

Lab File: VN058468.D

Acq: 1 Oct 2019 17:47

Instrument :

MSVOA_N

ClientSampled :

I.BLK

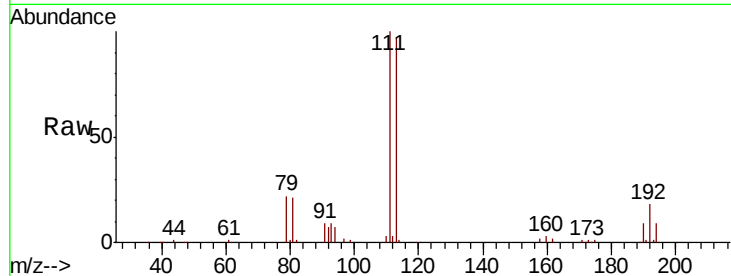
Tot Ion:113 Resp: 203597

Ion Ratio Lower Upper

113 100

111 103.9 83.4 125.2

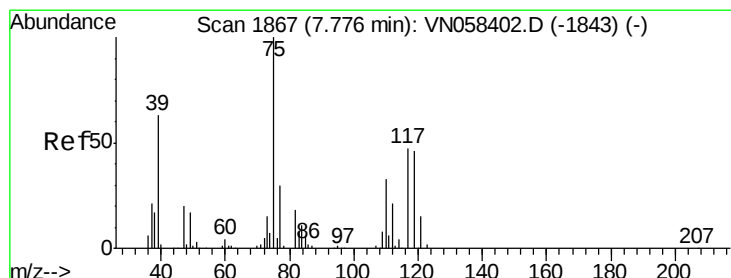
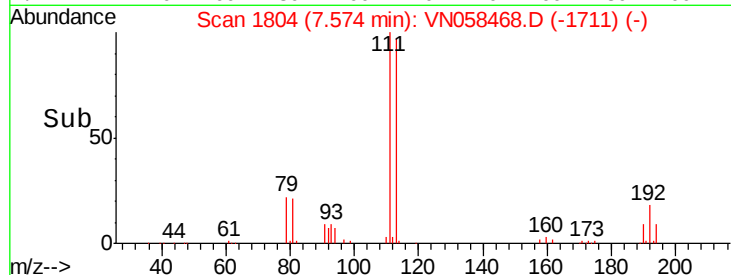
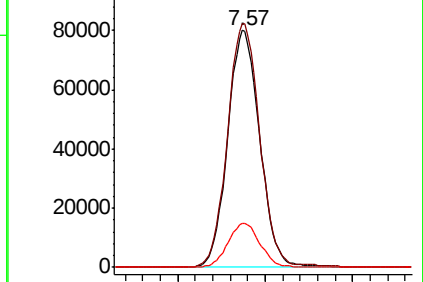
192 18.5 14.9 22.3



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: 5.444 ug/l

RT: 7.65 min Scan# 1828

Delta R.T. -0.13 min

Lab File: VN058468.D

Acq: 1 Oct 2019 17:47

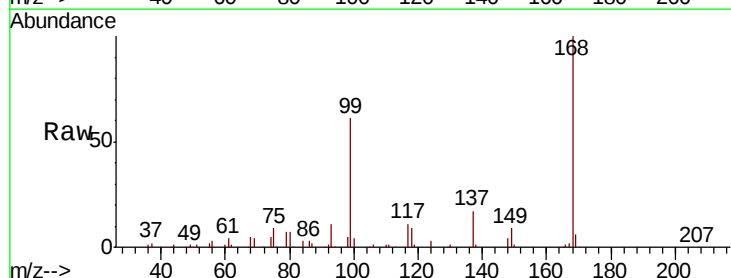
Tgt Ion: 75 Resp: 33987

Ion Ratio Lower Upper

75 100

110 9.1 16.4 49.2#

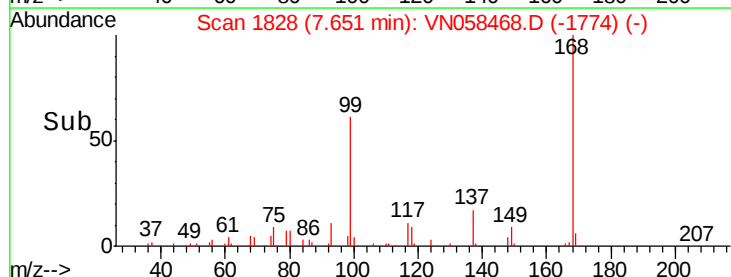
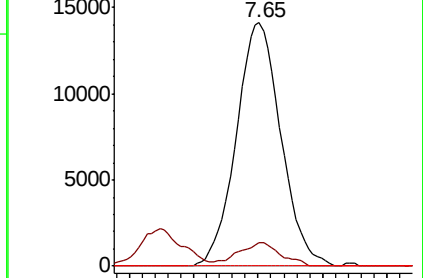
77 0.0 24.3 36.5#

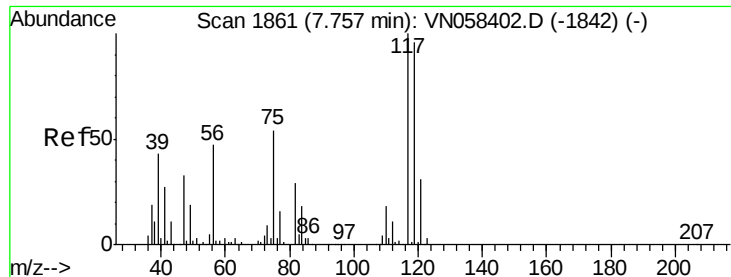


Abundance Ion 74.90 (74.60 to 75.60): V

Ion 109.90 (109.60 to 110.60): V

Ion 76.90 (76.60 to 77.60): V





#38

Carbon Tetrachloride

Concen: 7.237 ug/l

RT: 7.65 min Scan# 1828

Delta R.T. -0.11 min

Lab File: VN058468.D

Acq: 1 Oct 2019 17:47

Instrument :

MSVOA_N

ClientSampled :

I.BLK

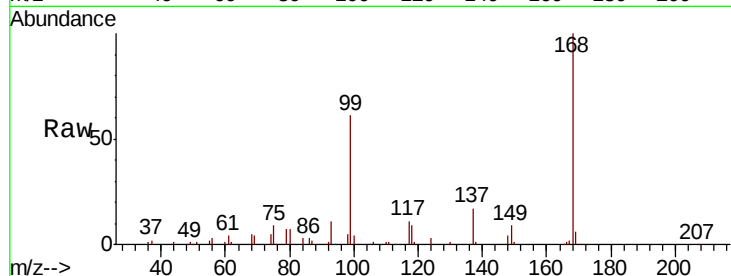
Tot Ion:117 Resp: 40776

Ion Ratio Lower Upper

117 100

119 4.9 76.6 115.0#

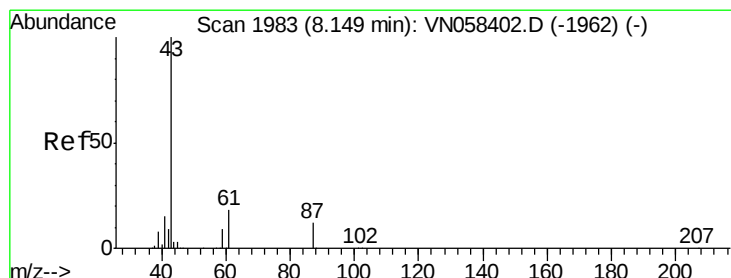
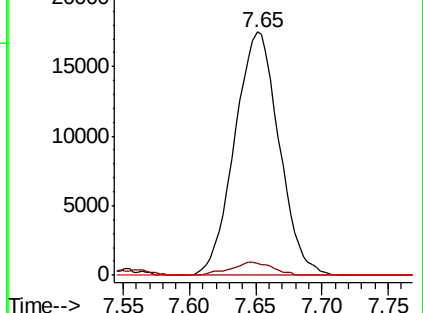
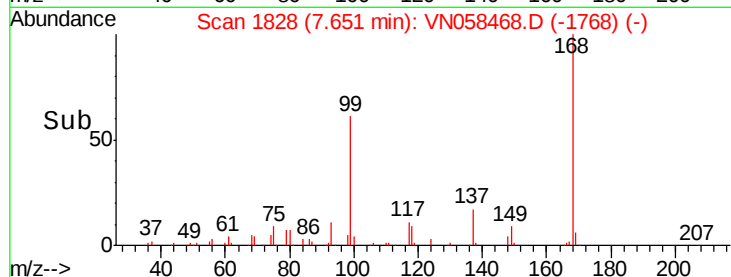
121 0.0 24.7 37.1#



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



#43

Isopropyl Acetate

Concen: 0.897 ug/l

RT: 8.25 min Scan# 2015

Delta R.T. 0.10 min

Lab File: VN058468.D

Acq: 1 Oct 2019 17:47

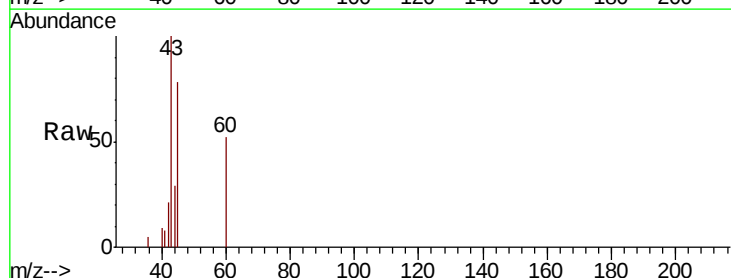
Tgt Ion: 43 Resp: 8930

Ion Ratio Lower Upper

43 100

61 0.0 14.8 22.2#

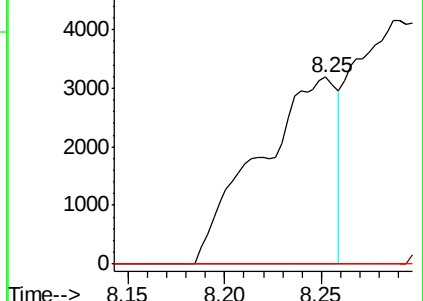
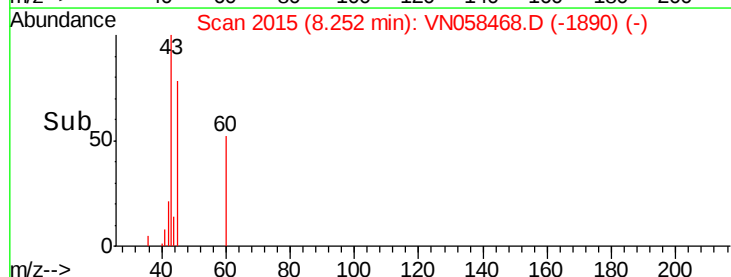
87 0.0 9.7 14.5#

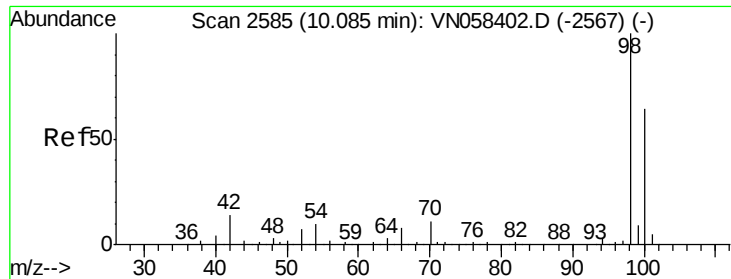


Abundance Ion 43.00 (42.70 to 43.70): V

Ion 61.00 (60.70 to 61.70): V

Ion 87.00 (86.70 to 87.70): V





#50

Toluene-d8

Concen: 52.170 ug/l

RT: 10.08 min Scan# 2585

Delta R.T. -0.00 min

Lab File: VN058468.D

Acq: 1 Oct 2019 17:47

Instrument :

MSVOA_N

ClientSampled :

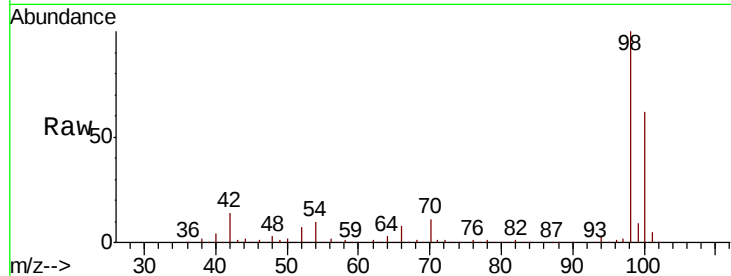
I.BLK

Tot Ion: 98 Resp: 817741

Ion Ratio Lower Upper

98 100

100 62.7 51.0 76.6



Abundance Ion 98.00 (97.70 to 98.70): VN0

Ion 100.00 (99.70 to 100.70): VN

10.08

400000

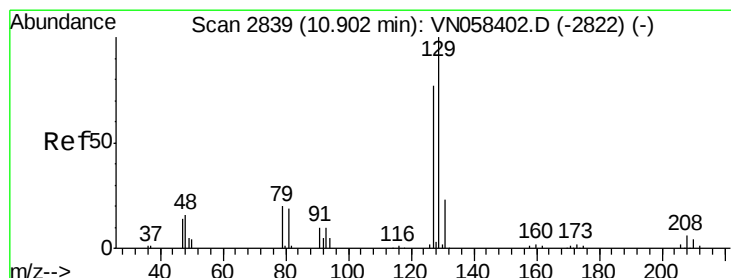
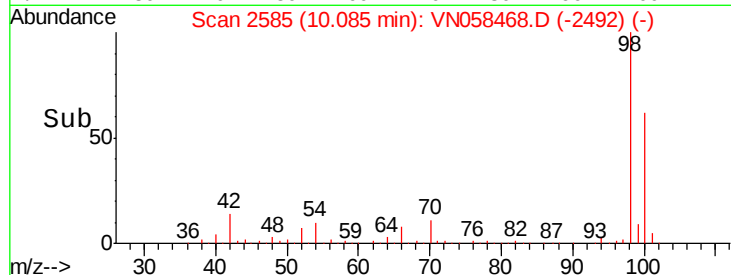
300000

200000

100000

0

Time-->



#60

Dibromochloromethane

Concen: 4.641 ug/l

RT: 10.63 min Scan# 2754

Delta R.T. -0.27 min

Lab File: VN058468.D

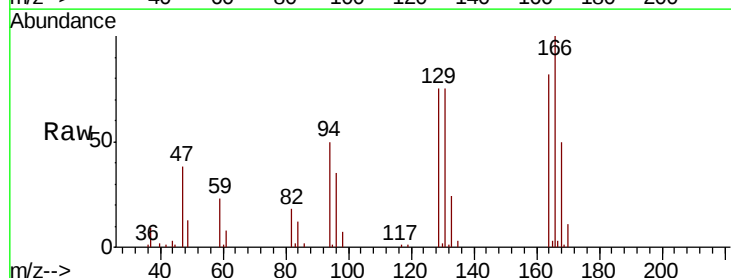
Acq: 1 Oct 2019 17:47

Tgt Ion: 129 Resp: 21899

Ion Ratio Lower Upper

129 100

127 0.0 38.3 114.8#



Abundance Ion 128.80 (128.50 to 129.50): V

Ion 126.80 (126.50 to 127.50): V

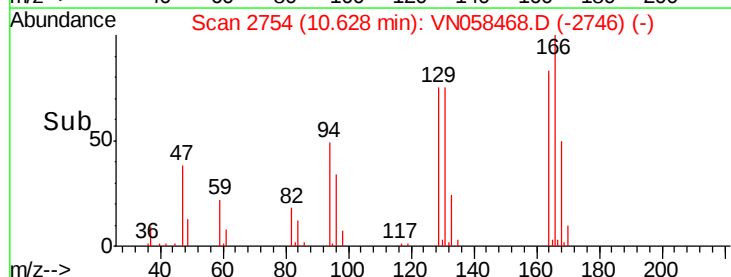
15000

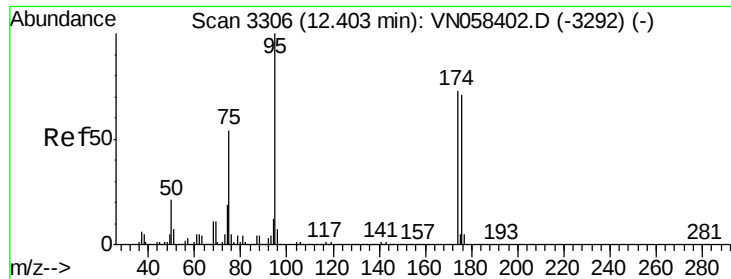
10000

5000

0

Time-->





#62

4-Bromofluorobenzene

Concen: 45.058 ug/l

RT: 12.41 min Scan# 3307

Delta R.T. 0.00 min

Lab File: VN058468.D

Acq: 1 Oct 2019 17:47

Instrument :

MSVOA_N

ClientSampleId :

I.BLK

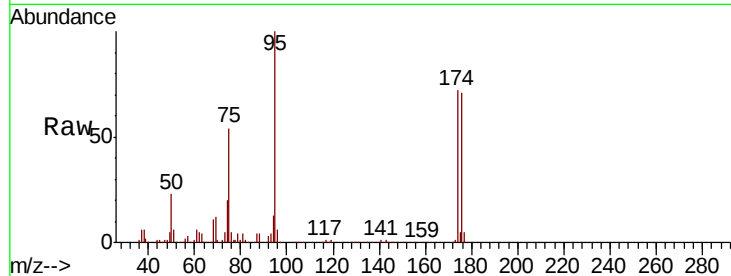
Tot Ion: 95 Resp: 255372

Ion Ratio Lower Upper

95 100

174 74.2 0.0 150.6

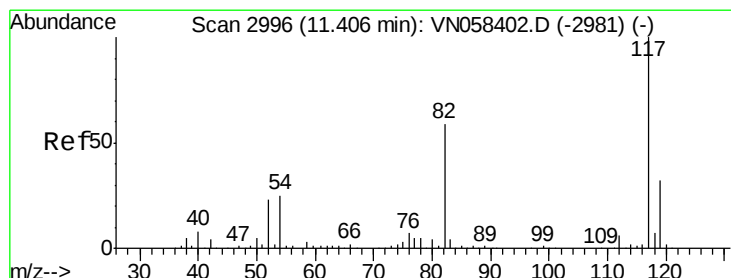
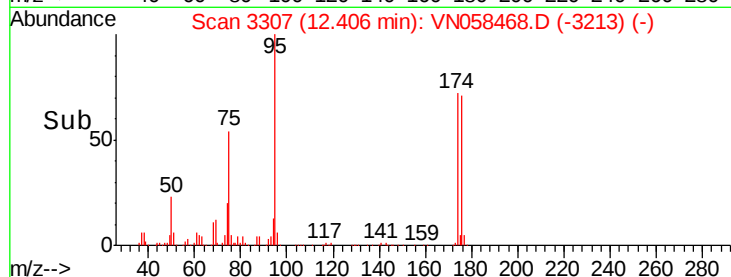
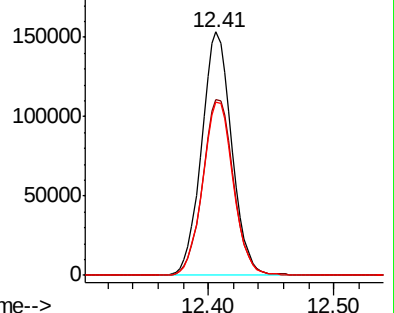
176 72.7 0.0 146.2



Abundance Ion 94.90 (94.60 to 95.60): VN058402.D (-3292) (-)

Ion 173.80 (173.50 to 174.50): VN058402.D (-3292) (-)

Ion 175.80 (175.50 to 176.50): VN058402.D (-3292) (-)



#63

Chlorobenzene-d5

Concen: 50.000 ug/l

RT: 11.41 min Scan# 2997

Delta R.T. 0.00 min

Lab File: VN058468.D

Acq: 1 Oct 2019 17:47

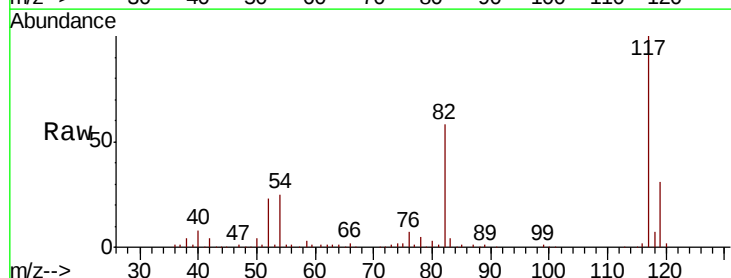
Tgt Ion: 117 Resp: 554457

Ion Ratio Lower Upper

117 100

82 57.7 47.4 71.0

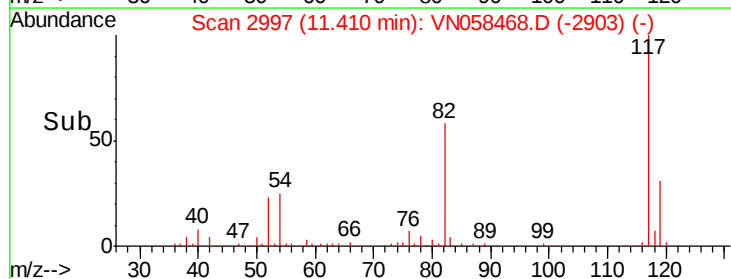
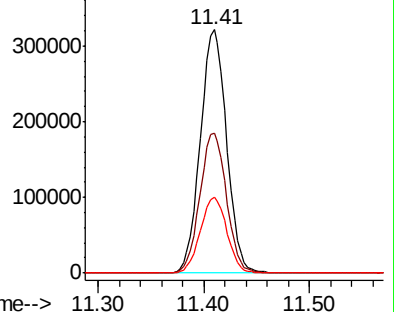
119 31.2 25.5 38.3

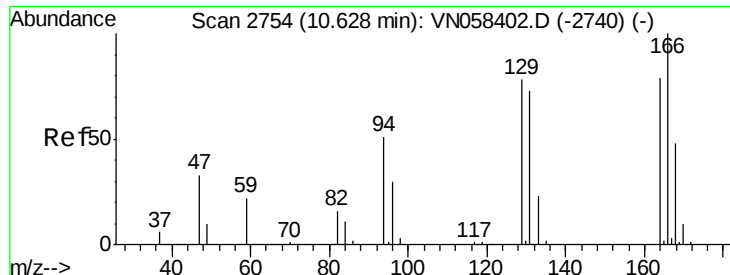


Abundance Ion 116.90 (116.60 to 117.60): VN058402.D (-2981) (-)

Ion 82.00 (81.70 to 82.70): VN058402.D (-2981) (-)

Ion 118.90 (118.60 to 119.60): VN058402.D (-2981) (-)





#64

Tetrachloroethene

Concen: 6.896 ug/l

RT: 10.63 min Scan# 2754

Delta R.T. 0.00 min

Lab File: VN058468.D

Acq: 1 Oct 2019 17:47

Instrument :

MSVOA_N

ClientSampled :

I.BLK

Tot Ion:164 Resp: 24291

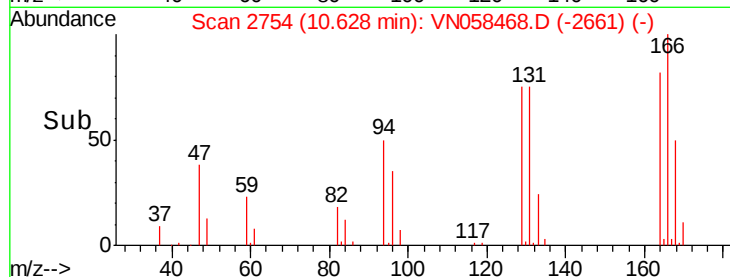
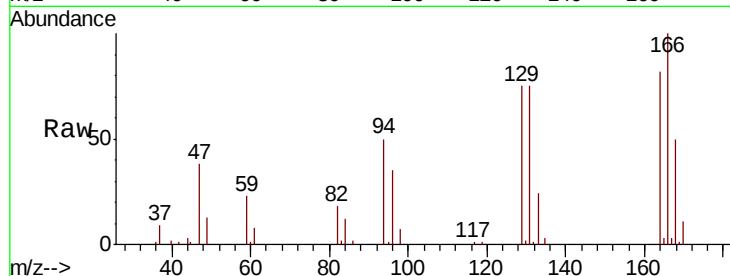
Ion Ratio Lower Upper

164 100

166 122.6 101.1 151.7

129 92.3 79.2 118.8

131 91.7 74.1 111.1



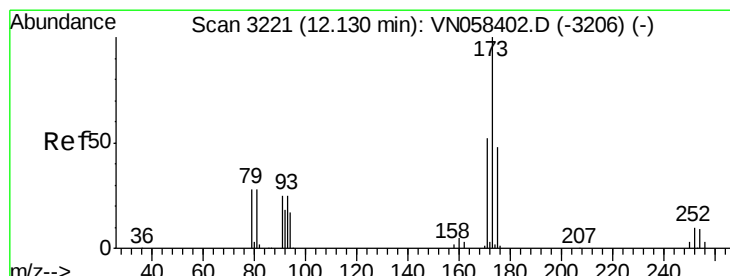
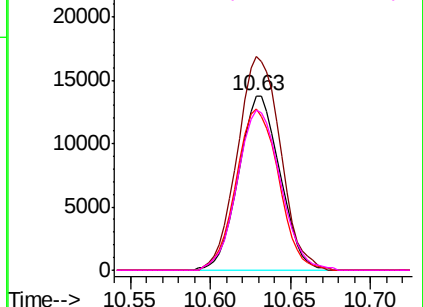
Abundance

Ion 163.80 (163.50 to 164.50): V

Ion 165.80 (165.50 to 166.50): V

Ion 128.80 (128.50 to 129.50): V

Ion 130.80 (130.50 to 131.50): V



#71

Bromoform

Concen: 1.202 ug/l

RT: 12.41 min Scan# 3307

Delta R.T. 0.28 min

Lab File: VN058468.D

Acq: 1 Oct 2019 17:47

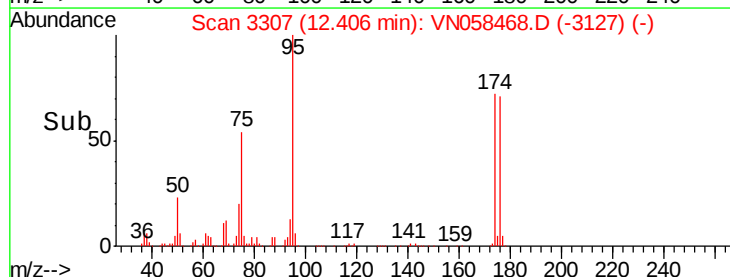
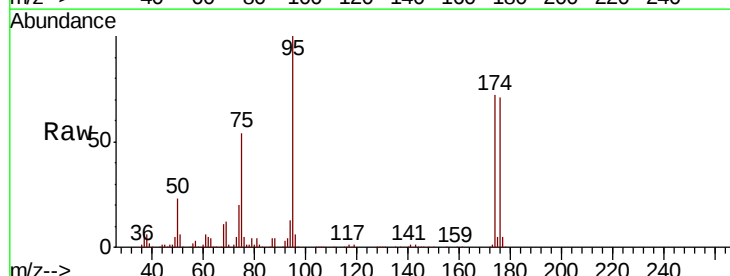
Tgt Ion:173 Resp: 1321

Ion Ratio Lower Upper

173 100

175 891.4 24.3 73.0#

254 0.0 0.1 0.1#

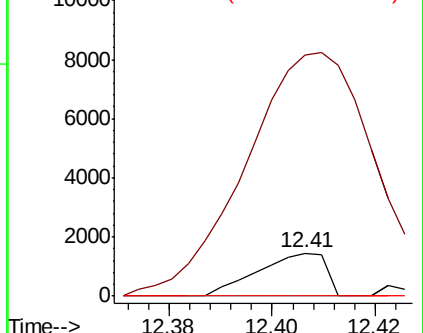


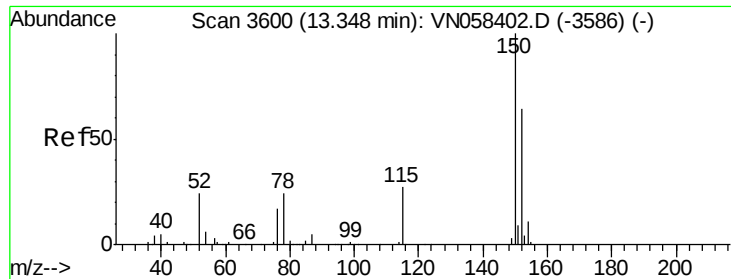
Abundance

Ion 172.70 (172.40 to 173.40): V

Ion 174.70 (174.40 to 175.40): V

Ion 254.40 (254.10 to 255.10): V





#72

1,4-Dichlorobenzene-d4

Concen: 50.000 ug/l

RT: 13.35 min Scan# 3601

Delta R.T. 0.00 min

Lab File: VN058468.D

Acq: 1 Oct 2019 17:47

Instrument :

MSVOA_N

ClientSampled :

I.BLK

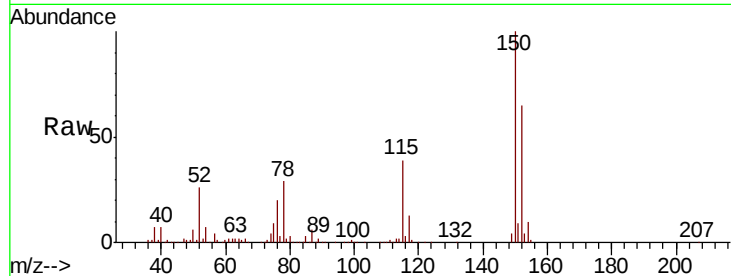
Tot Ion:152 Resp: 211699

Ion Ratio Lower Upper

152 100

115 60.6 30.0 90.0

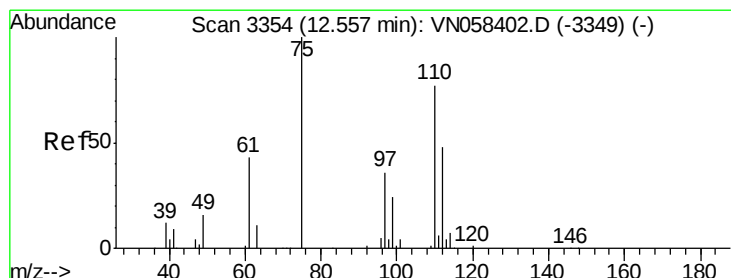
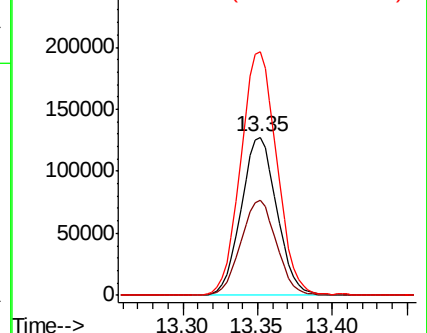
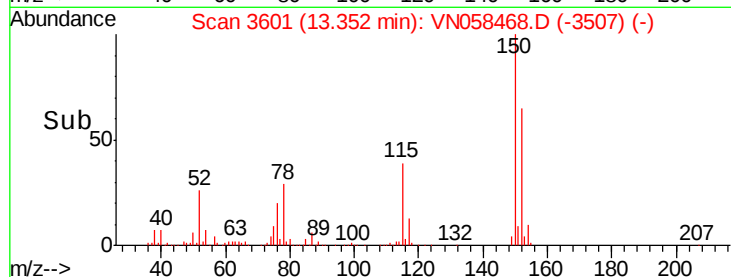
150 155.7 0.0 348.2



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: 35.979 ug/l

RT: 12.41 min Scan# 3307

Delta R.T. -0.15 min

Lab File: VN058468.D

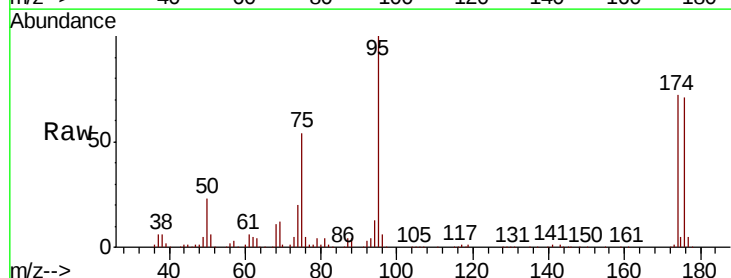
Acq: 1 Oct 2019 17:47

Tgt Ion: 75 Resp: 139120

Ion Ratio Lower Upper

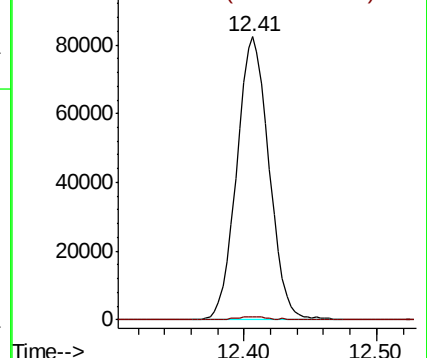
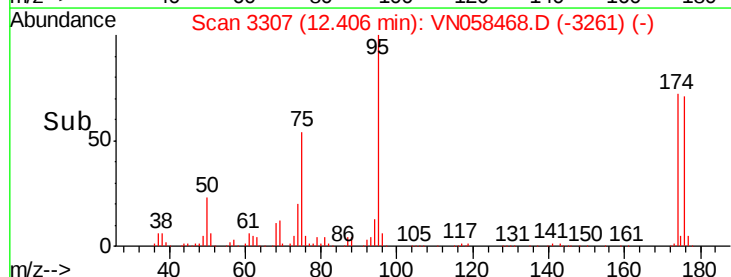
75 100

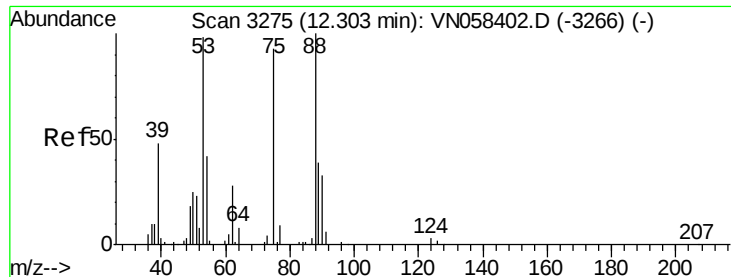
77 1.2 0.0 0.0#



Abundance Ion 74.90 (74.60 to 75.60): V

Ion 77.00 (76.70 to 77.70): V





#81

trans-1,4-Dichloro-2-butene

Concen: 109.273 ug/l

RT: 12.41 min Scan# 3307

Delta R.T. 0.10 min

Lab File: VN058468.D

Acq: 1 Oct 2019 17:47

Instrument :

MSVOA_N

ClientSampleId :

I.BLK

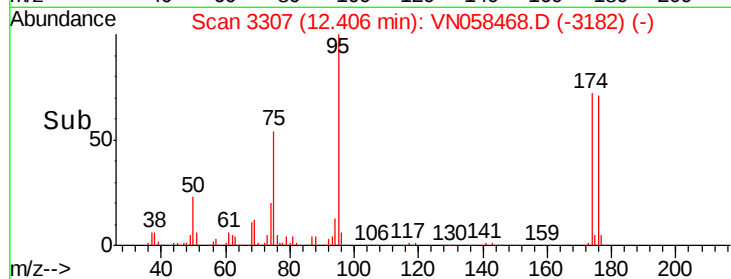
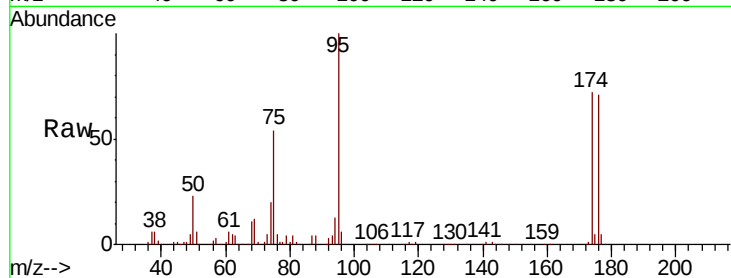
Tot Ion: 75 Resp: 139120

Ion Ratio Lower Upper

75 100

53 0.0 85.4 128.0#

89 0.0 35.0 52.4#



Abundance Ion 74.90 (74.60 to 75.60): VN0

Ion 53.00 (52.70 to 53.70): VN0

Ion 88.90 (88.60 to 89.60): VN0

