

Data Path : Z:\VOASRV\HPCHEM1\MSVOA N\DATA\VN100119\
 Data File : VN058469.D
 Acq On : 1 Oct 2019 18:09
 Operator : JC/SP
 Sample : I.BLK
 Misc : 5.00mL/MSVOA N/WATER
 ALS Vial : 22 Sample Multiplier: 1

Instrument :
 MSVOA_N
 ClientSampleId :
 I.BLK

Quant Time: Oct 02 01:29:45 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	398431	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.57	114	652018	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.41	117	540534	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.35	152	200294	50.00	ug/l	0.00

System Monitoring Compounds

33) 1,2-Dichloroethane-d4	8.01	65	291491	50.06	ug/l	0.00
Spiked Amount	50.000		Recovery	=	100.12%	
35) Dibromofluoromethane	7.57	113	204792	51.25	ug/l	0.00
Spiked Amount	50.000		Recovery	=	102.50%	
50) Toluene-d8	10.09	98	799336	51.06	ug/l	0.00
Spiked Amount	50.000		Recovery	=	102.12%	
62) 4-Bromofluorobenzene	12.41	95	246737	43.59	ug/l	0.00
Spiked Amount	50.000		Recovery	=	87.18%	

Target Compounds

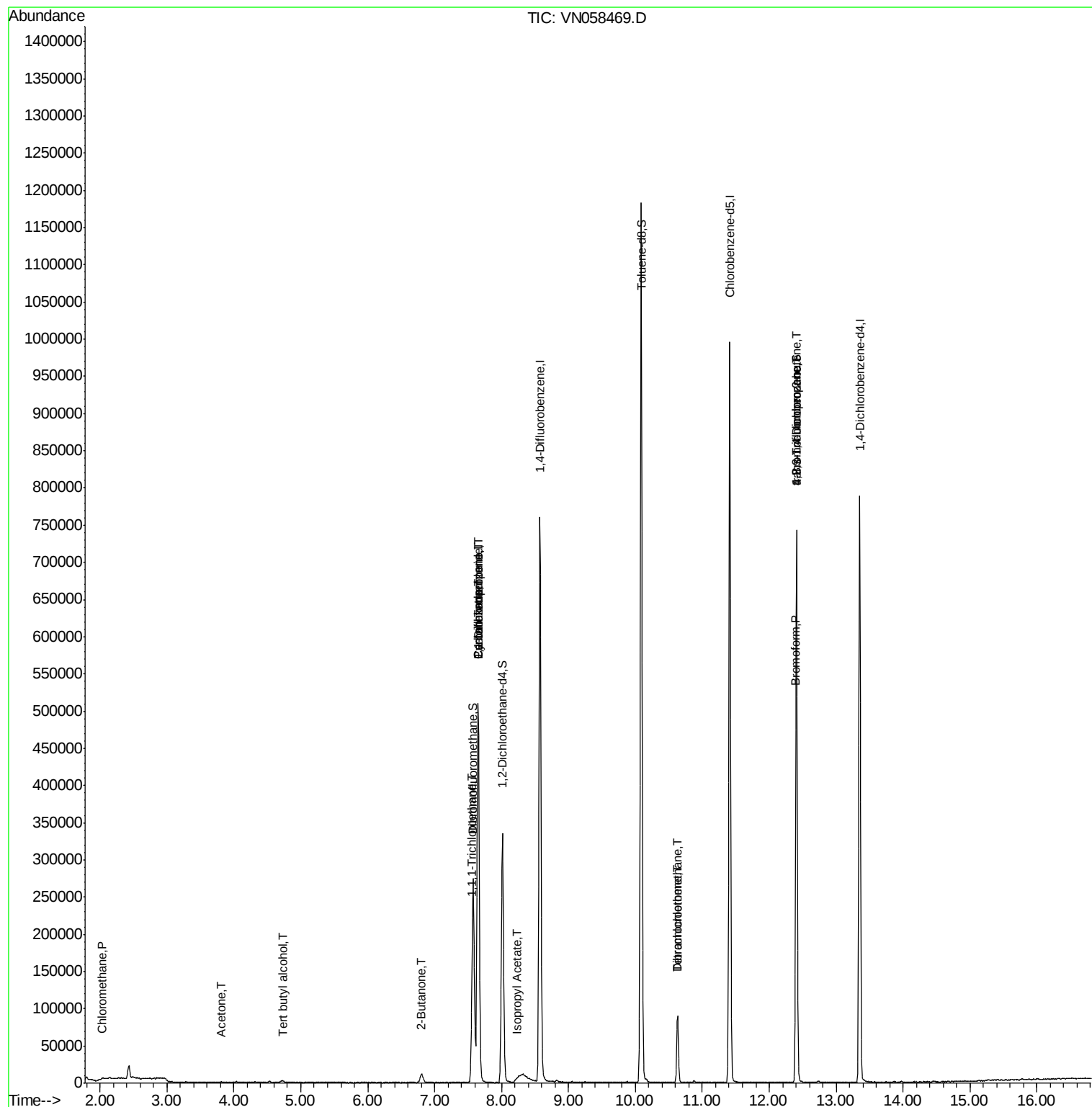
						Qvalue
3) Chloromethane	2.03	50	1285	0.268	ug/l #	83
11) Tert butyl alcohol	4.73	59	2774	4.289	ug/l #	71
16) Acetone	3.82	43	1283	0.646	ug/l #	47
25) 2-Butanone	6.80	43	695	0.255	ug/l #	50
31) Cyclohexane	7.65	56	9828	1.220	ug/l #	9
32) 1,1,1-Trichloroethane	7.55	97	4852	0.704	ug/l #	42
36) 1,1-Dichloropropene	7.65	75	35610	5.712	ug/l #	50
38) Carbon Tetrachloride	7.65	117	41568	7.386	ug/l #	16
43) Isopropyl Acetate	8.22	43	3455	0.348	ug/l #	63
60) Dibromochloromethane	10.63	129	18482	3.835	ug/l #	11
64) Tetrachloroethene	10.63	164	19280	5.614	ug/l	97
71) Bromoform	12.39	173	83	0.727	ug/l #	29
76) 1,2,3-Trichloropropane	12.41	75	133654	36.534	ug/l #	100
81) trans-1,4-Dichloro-2-buten	12.41	75	133654	110.957	ug/l #	7
95) Naphthalene	15.14	128	187	Below Cal	#	70

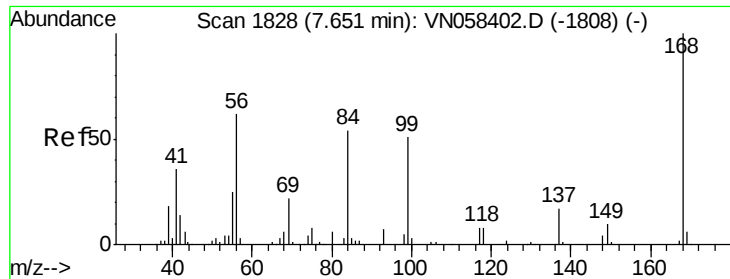
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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Response via : Initial Calibration





#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 7.65 min Scan# 1828

Delta R.T. 0.00 min

Lab File: VN058469.D

Acq: 1 Oct 2019 18:09

Instrument :

MSVOA_N

ClientSampled :

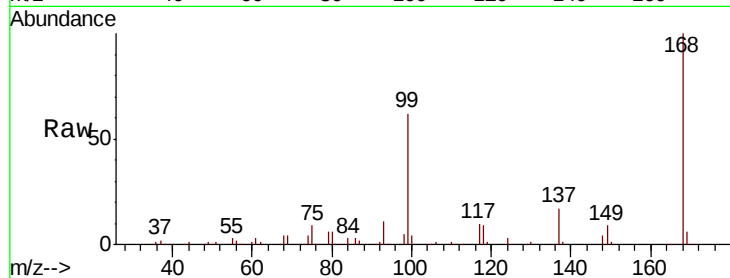
I.BLK

Tot Ion:168 Resp: 398431

Ion Ratio Lower Upper

168 100

99 62.2 47.7 71.5



Abundance Ion 167.90 (167.60 to 168.60): V

Ion 98.90 (98.60 to 99.60): VN0

7.65

150000

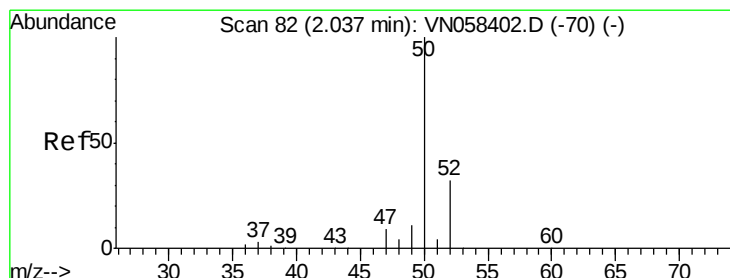
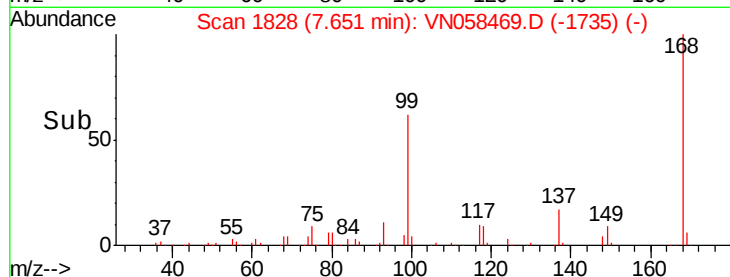
100000

50000

0

Time-->

7.60 7.70 7.80



#3

Chloromethane

Concen: 0.268 ug/l

RT: 2.03 min Scan# 81

Delta R.T. -0.00 min

Lab File: VN058469.D

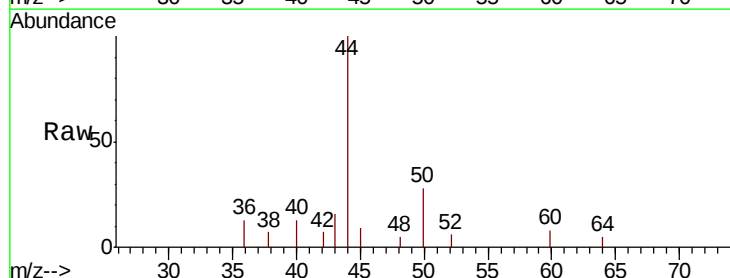
Acq: 1 Oct 2019 18:09

Tgt Ion: 50 Resp: 1285

Ion Ratio Lower Upper

50 100

52 22.9 25.9 38.9#



Abundance Ion 49.90 (49.60 to 50.60): VN0

Ion 51.90 (51.60 to 52.60): VN0

2.03

1000

800

600

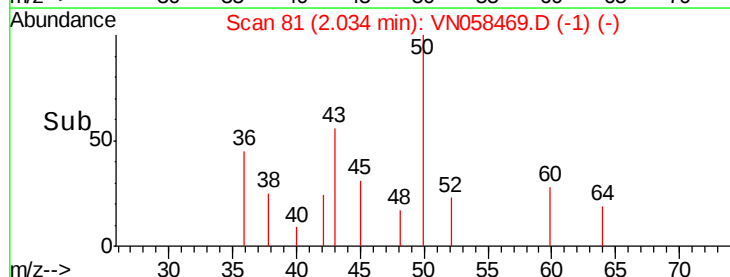
400

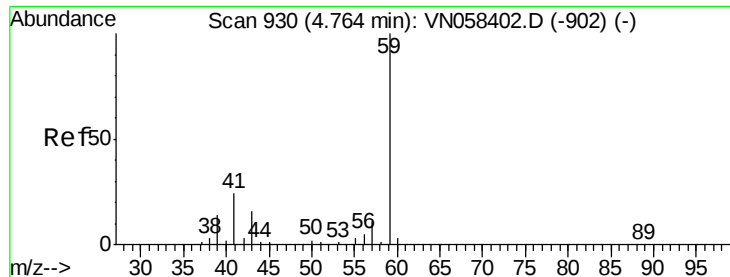
200

0

Time-->

2.00 2.02 2.04 2.06 2.08

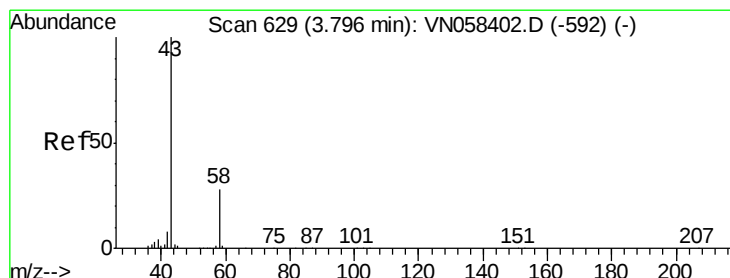
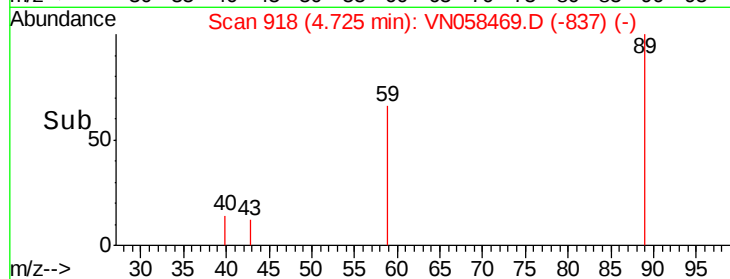
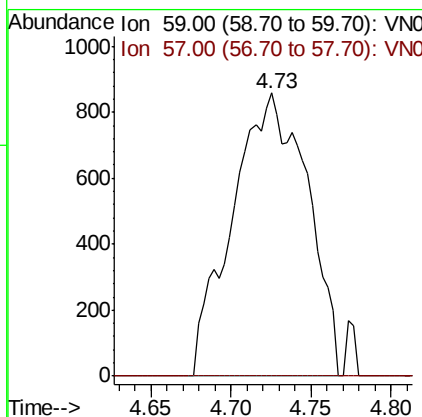
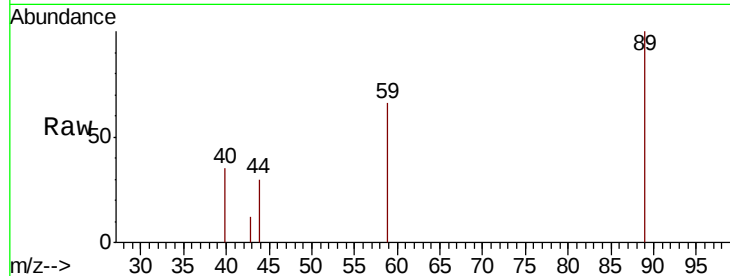




#11
Tert butyl alcohol
Concen: 4.289 ug/l
RT: 4.73 min Scan# 918
Delta R.T. -0.04 min
Lab File: VN058469.D
Acq: 1 Oct 2019 18:09

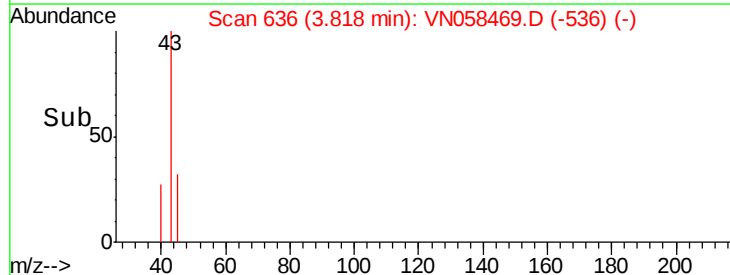
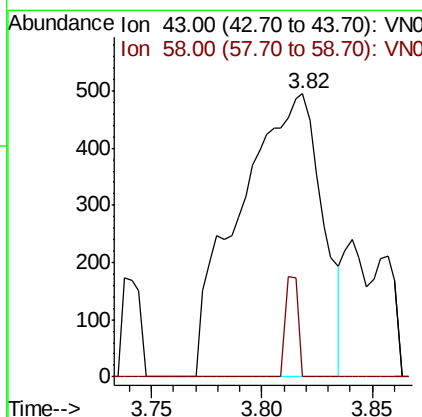
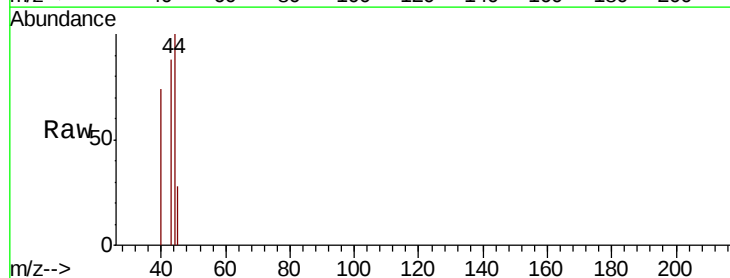
Instrument :
MSVOA_N
ClientSampled :
I.BLK

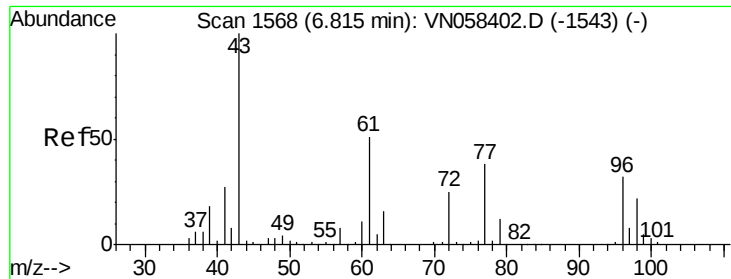
Tot Ion: 59 Resp: 2774
Ion Ratio Lower Upper
59 100
57 0.0 9.0 13.4#



#16
Acetone
Concen: 0.646 ug/l
RT: 3.82 min Scan# 636
Delta R.T. 0.02 min
Lab File: VN058469.D
Acq: 1 Oct 2019 18:09

Tgt Ion: 43 Resp: 1283
Ion Ratio Lower Upper
43 100
58 0.0 22.4 33.6#

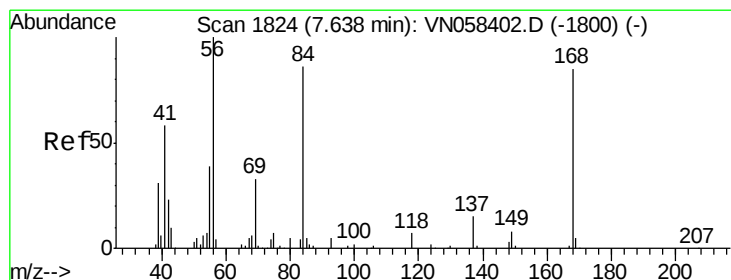
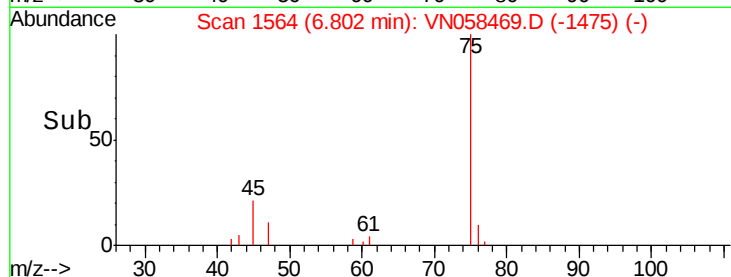
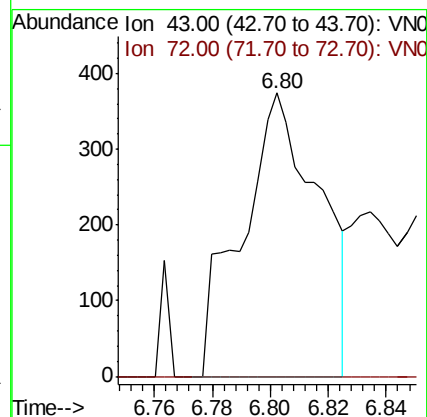
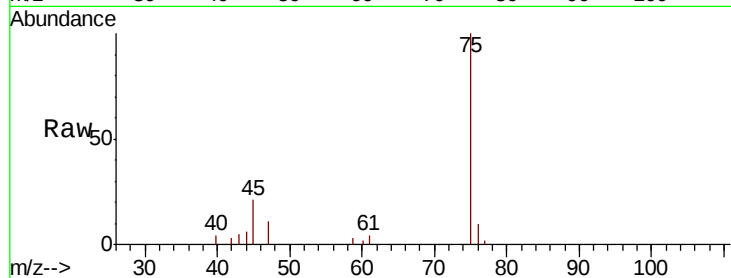




#25
2-Butanone
Concen: 0.255 ug/l
RT: 6.80 min Scan# 1564
Delta R.T. -0.01 min
Lab File: VN058469.D
Acq: 1 Oct 2019 18:09

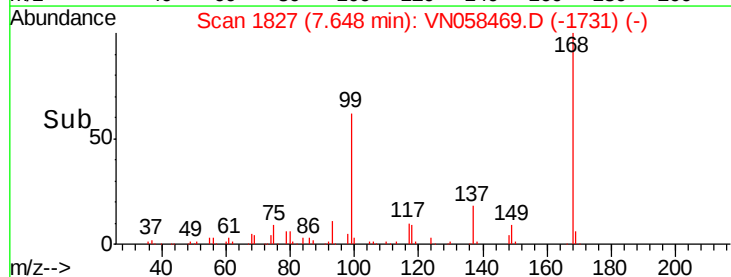
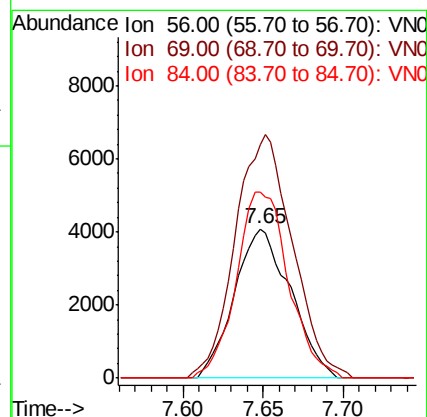
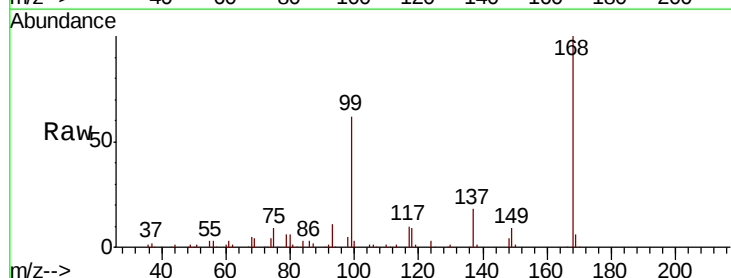
Instrument :
MSVOA_N
ClientSampled :
I.BLK

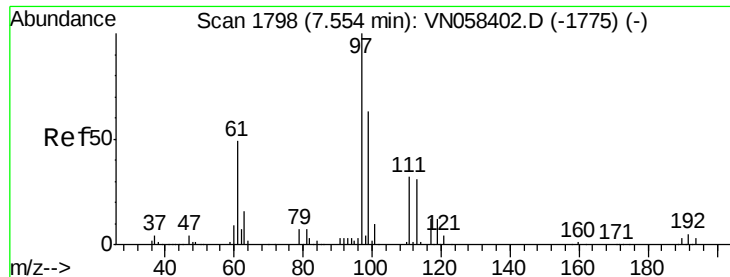
Tot Ion: 43 Resp: 695
Ion Ratio Lower Upper
43 100
72 0.0 20.2 30.4#



#31
Cyclohexane
Concen: 1.220 ug/l
RT: 7.65 min Scan# 1827
Delta R.T. 0.01 min
Lab File: VN058469.D
Acq: 1 Oct 2019 18:09

Tgt Ion: 56 Resp: 9828
Ion Ratio Lower Upper
56 100
69 152.1 26.2 39.4#
84 124.2 67.6 101.4#





#32

1,1,1-Trichloroethane

Concen: 0.704 ug/l

RT: 7.55 min Scan# 1797

Delta R.T. -0.00 min

Lab File: VN058469.D

Acq: 1 Oct 2019 18:09

Instrument :

MSVOA_N

ClientSampled :

I.BLK

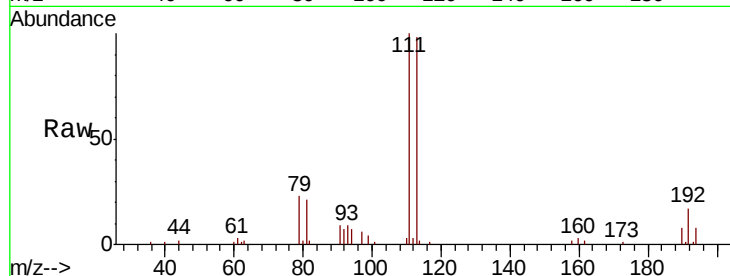
Tot Ion: 97 Resp: 4852

Ion Ratio Lower Upper

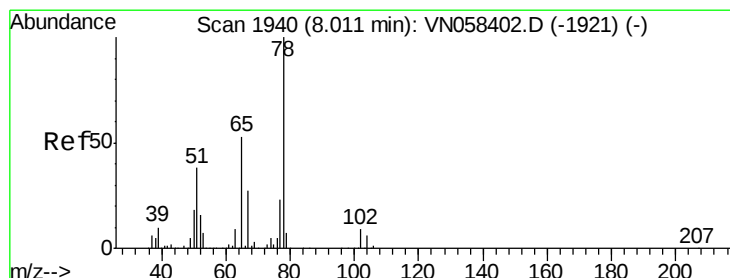
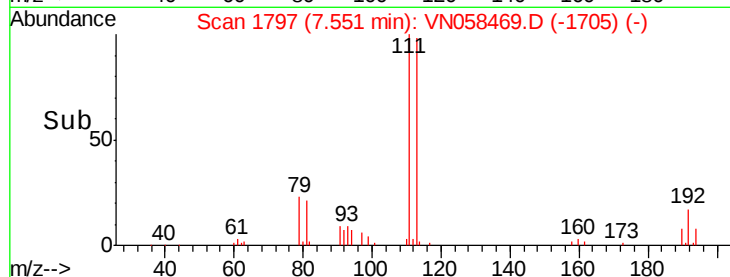
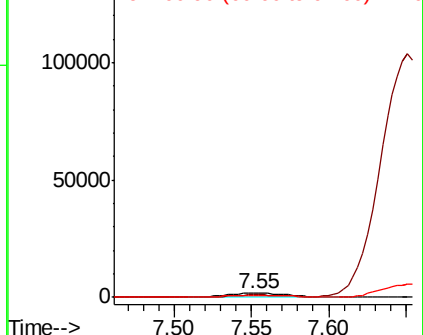
97 100

99 0.0 51.1 76.7#

61 30.0 39.2 58.8#



Abundance Ion 96.90 (96.60 to 97.60): VNC
Ion 98.90 (98.60 to 99.60): VNC
Ion 60.90 (60.60 to 61.60): VNC



#33

1,2-Dichloroethane-d4

Concen: 50.063 ug/l

RT: 8.01 min Scan# 1941

Delta R.T. 0.00 min

Lab File: VN058469.D

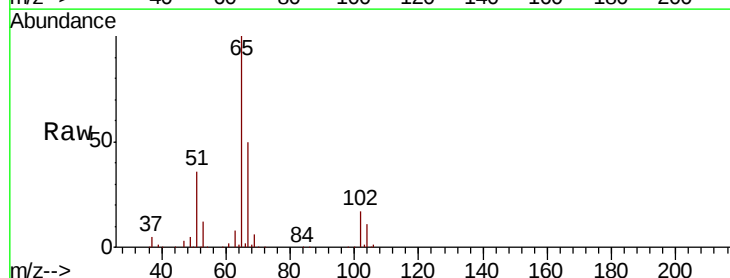
Acq: 1 Oct 2019 18:09

Tgt Ion: 65 Resp: 291491

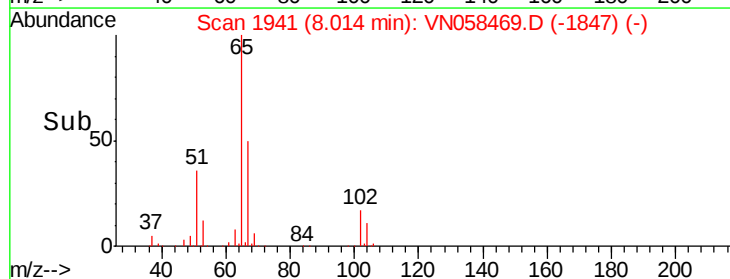
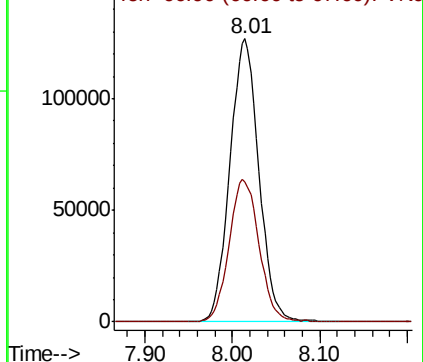
Ion Ratio Lower Upper

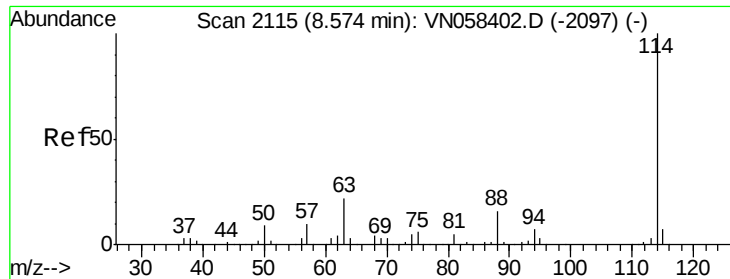
65 100

67 52.1 0.0 102.4



Abundance Ion 64.90 (64.60 to 65.60): VNC
Ion 66.90 (66.60 to 67.60): VNC

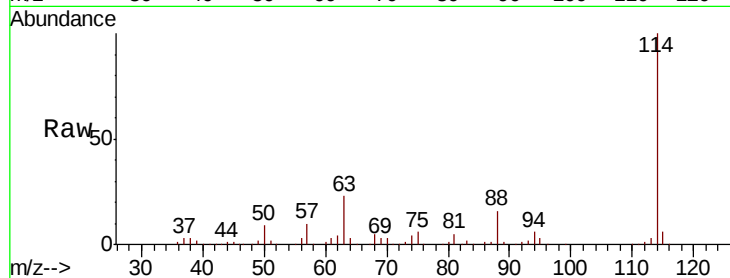




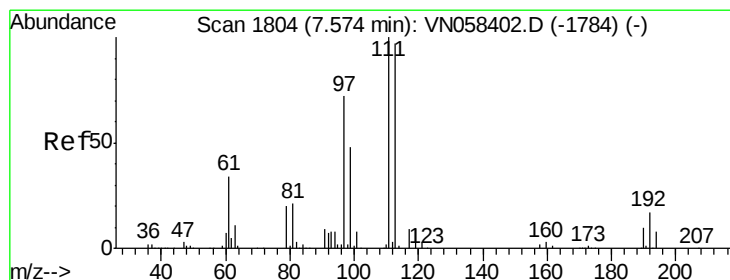
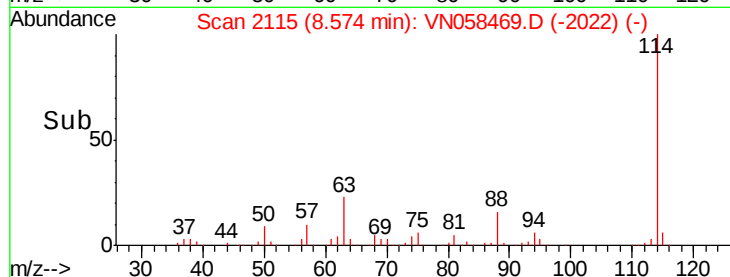
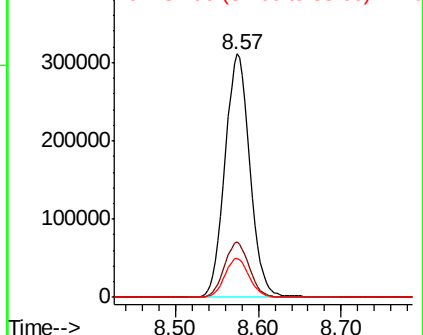
#34
 1,4-Difluorobenzene
 Concen: 50.000 ug/l
 RT: 8.57 min Scan# 2115
 Delta R.T. 0.00 min
 Lab File: VN058469.D
 Acq: 1 Oct 2019 18:09

Instrument :
 MSVOA_N
 ClientSampleId :
 I.BLK

Tot Ion:114 Resp: 652018
 Ion Ratio Lower Upper
 114 100
 63 22.6 0.0 45.0
 88 16.2 0.0 32.2

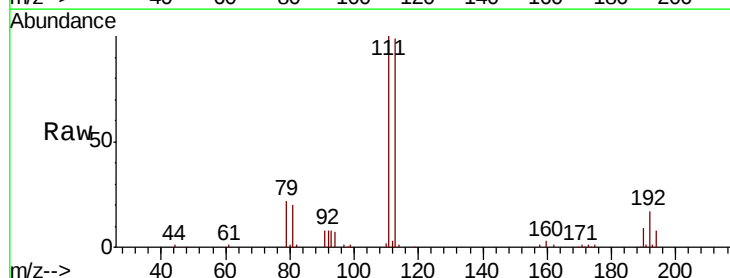


Abundance Ion 113.90 (113.60 to 114.60): V
 Ion 63.00 (62.70 to 63.70): VN
 Ion 87.90 (87.60 to 88.60): VN

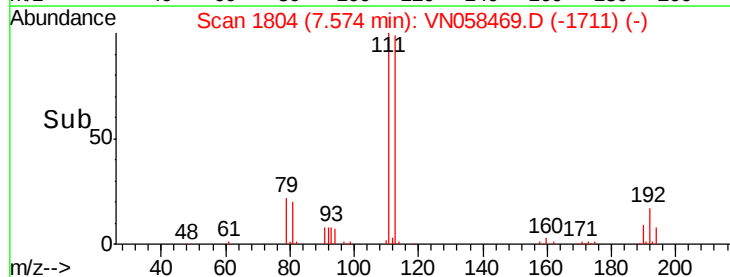
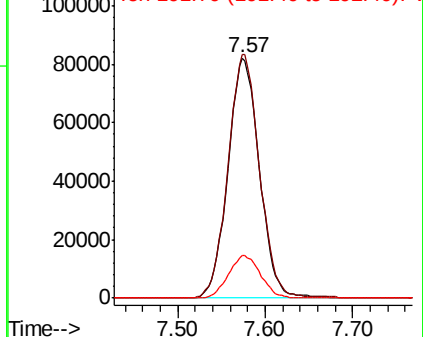


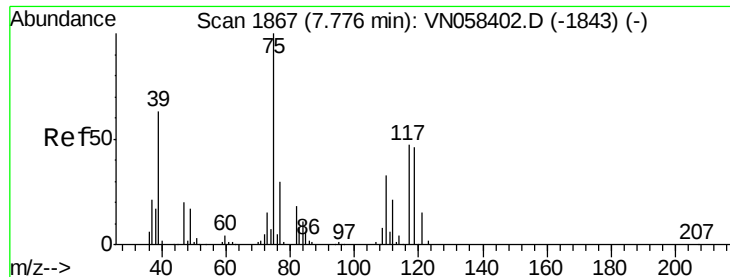
#35
 Dibromofluoromethane
 Concen: 51.247 ug/l
 RT: 7.57 min Scan# 1804
 Delta R.T. 0.00 min
 Lab File: VN058469.D
 Acq: 1 Oct 2019 18:09

Tgt Ion:113 Resp: 204792
 Ion Ratio Lower Upper
 113 100
 111 101.9 83.4 125.2
 192 18.1 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: 5.712 ug/l

RT: 7.65 min Scan# 1827

Delta R.T. -0.13 min

Lab File: VN058469.D

Acq: 1 Oct 2019 18:09

Instrument :

MSVOA_N

ClientSampled :

I.BLK

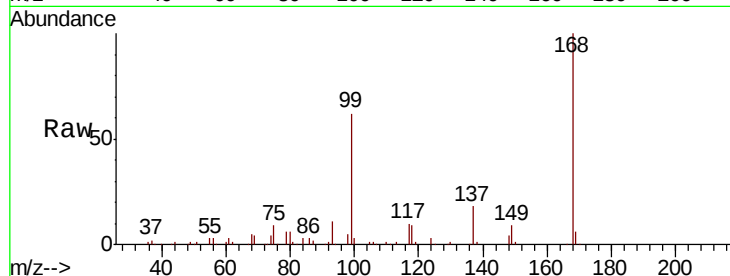
Tot Ion: 75 Resp: 35610

Ion Ratio Lower Upper

75 100

110 8.1 16.4 49.2#

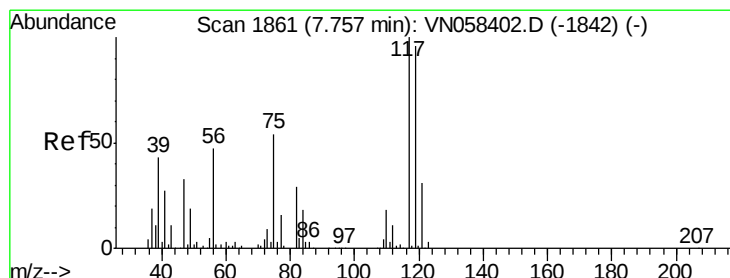
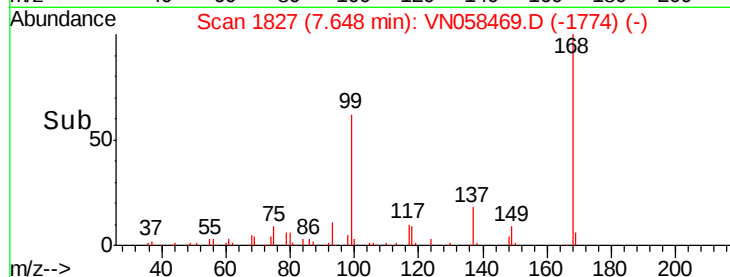
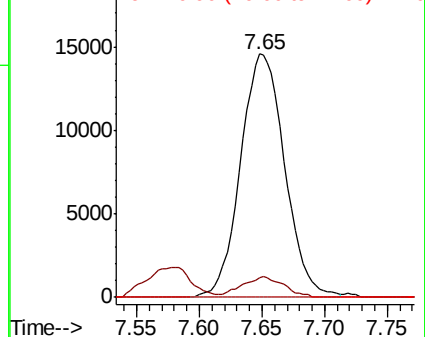
77 0.0 24.3 36.5#



Abundance Ion 74.90 (74.60 to 75.60): VN058402.D (-1843) (-)

Ion 109.90 (109.60 to 110.60): VN058402.D (-1843) (-)

Ion 76.90 (76.60 to 77.60): VN058402.D (-1843) (-)



#38

Carbon Tetrachloride

Concen: 7.386 ug/l

RT: 7.65 min Scan# 1828

Delta R.T. -0.11 min

Lab File: VN058469.D

Acq: 1 Oct 2019 18:09

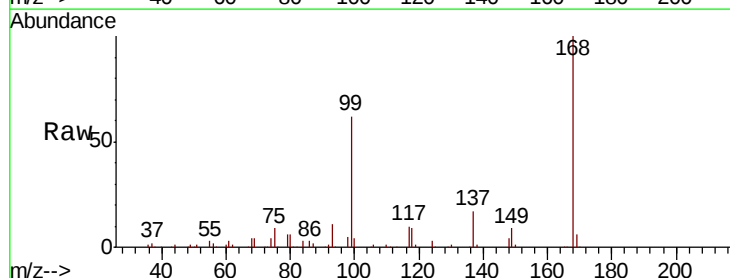
Tgt Ion: 117 Resp: 41568

Ion Ratio Lower Upper

117 100

119 5.5 76.6 115.0#

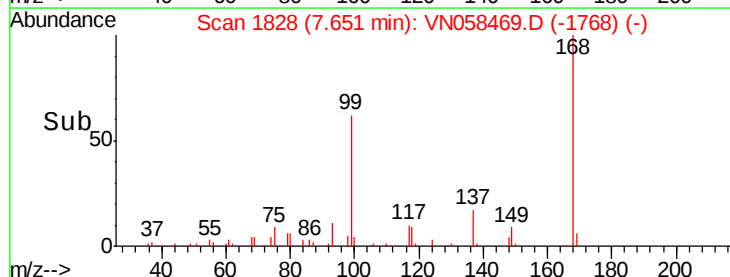
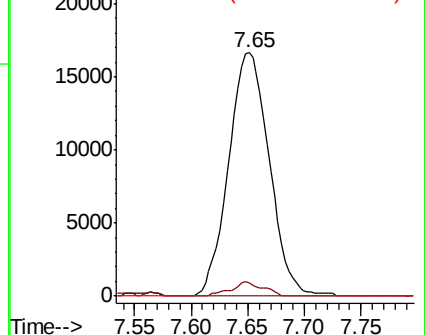
121 0.0 24.7 37.1#

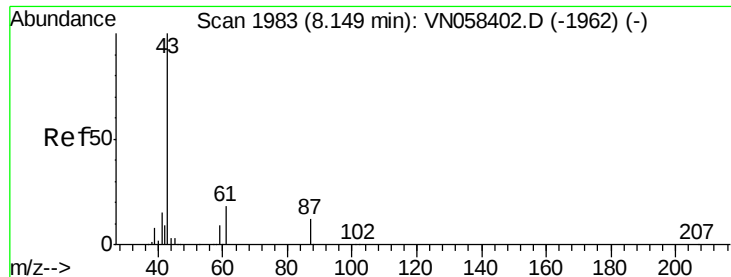


Abundance Ion 116.80 (116.50 to 117.50): VN058402.D (-1842) (-)

Ion 118.80 (118.50 to 119.50): VN058402.D (-1842) (-)

Ion 120.80 (120.50 to 121.50): VN058402.D (-1842) (-)





#43

Isopropyl Acetate

Concen: 0.348 ug/l

RT: 8.22 min Scan# 2005

Delta R.T. 0.07 min

Lab File: VN058469.D

Acq: 1 Oct 2019 18:09

Instrument :

MSVOA_N

ClientSampled :

I.BLK

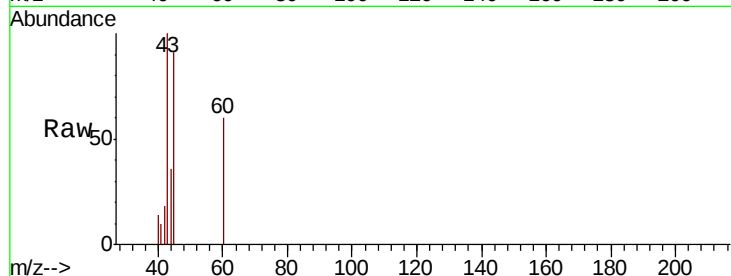
Tot Ion: 43 Resp: 3455

Ion Ratio Lower Upper

43 100

61 0.0 14.8 22.2#

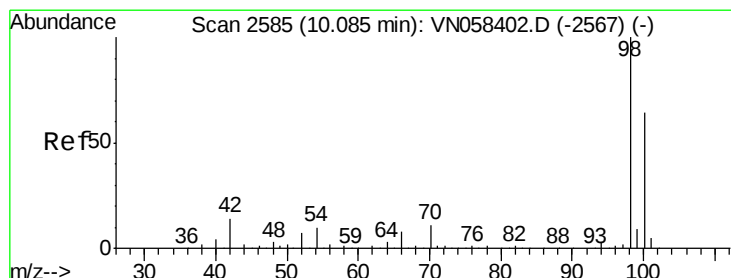
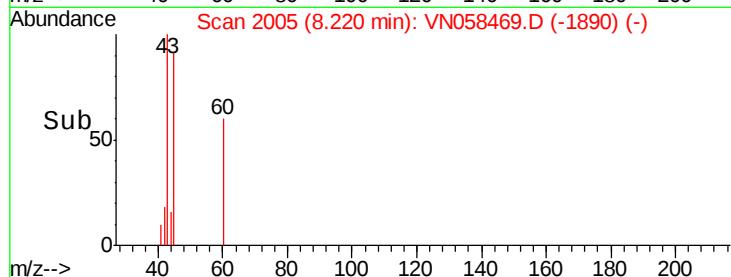
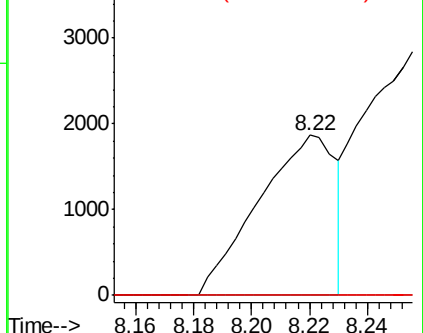
87 0.0 9.7 14.5#



Abundance Ion 43.00 (42.70 to 43.70): VN0

Ion 61.00 (60.70 to 61.70): VN0

Ion 87.00 (86.70 to 87.70): VN0



#50

Toluene-d8

Concen: 51.061 ug/l

RT: 10.09 min Scan# 2585

Delta R.T. 0.00 min

Lab File: VN058469.D

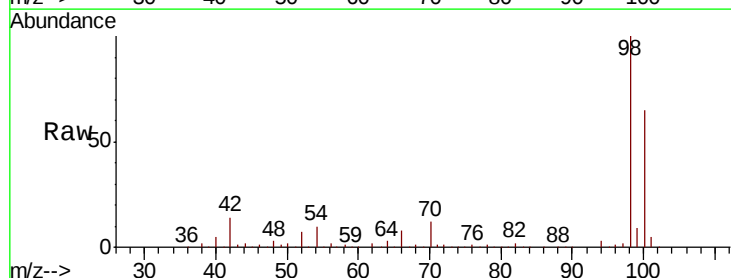
Acq: 1 Oct 2019 18:09

Tgt Ion: 98 Resp: 799336

Ion Ratio Lower Upper

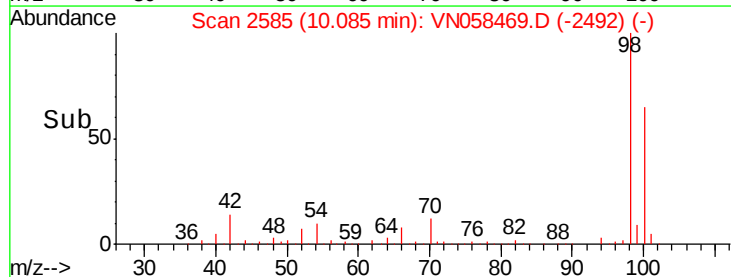
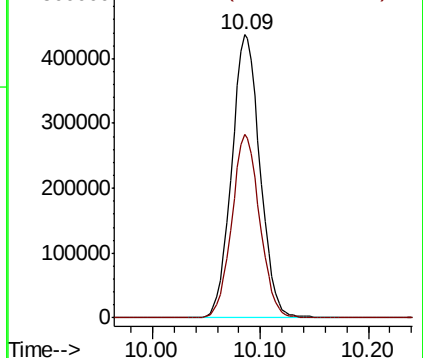
98 100

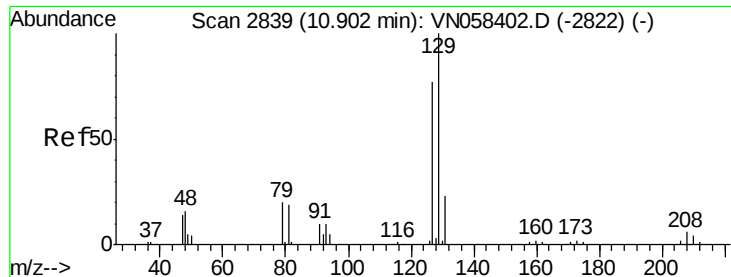
100 64.0 51.0 76.6



Abundance Ion 98.00 (97.70 to 98.70): VN0

Ion 100.00 (99.70 to 100.70): VN0

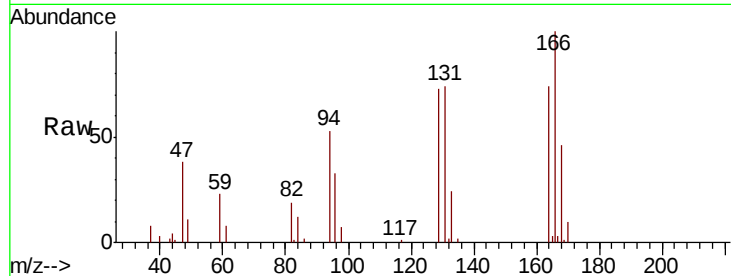




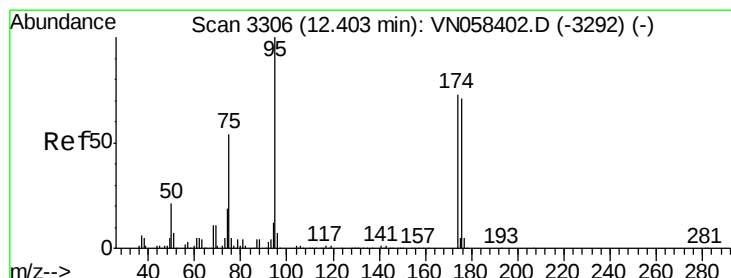
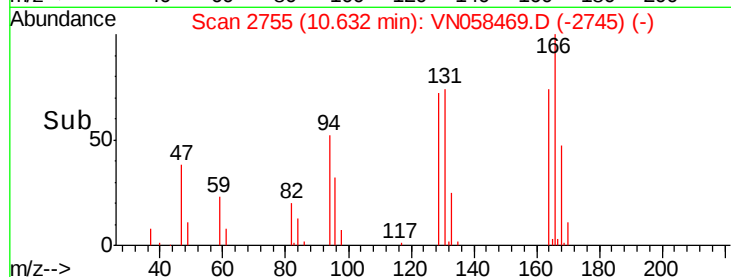
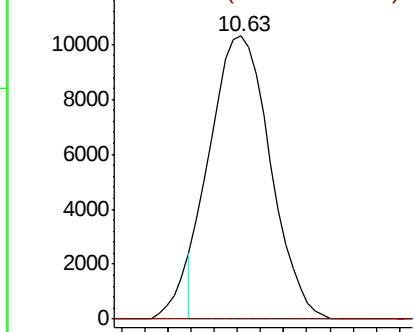
#60
Dibromochloromethane
Concen: 3.835 ug/l
RT: 10.63 min Scan# 2755
Delta R.T. -0.27 min
Lab File: VN058469.D
Acq: 1 Oct 2019 18:09

Instrument :
MSVOA_N
ClientSampleId :
I.BLK

Tot Ion:129 Resp: 18482
Ion Ratio Lower Upper
129 100
127 0.0 38.3 114.8#

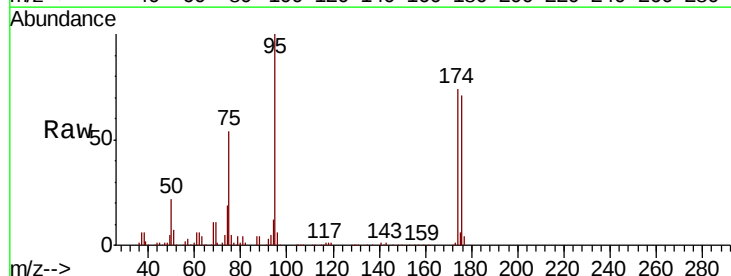


Abundance Ion 128.80 (128.50 to 129.50): V
Ion 126.80 (126.50 to 127.50): V

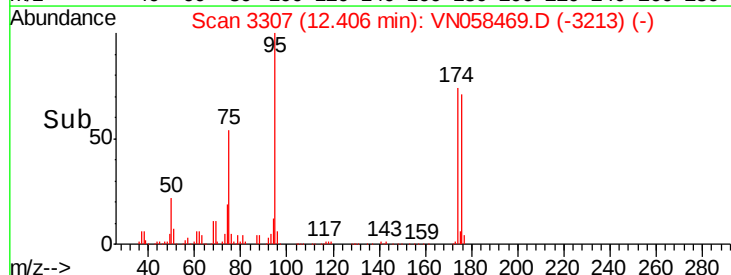
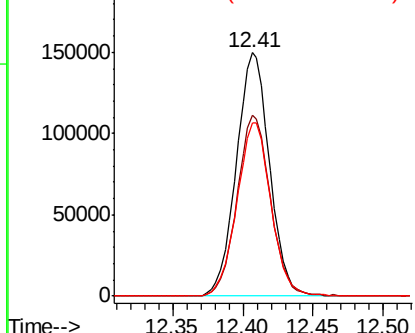


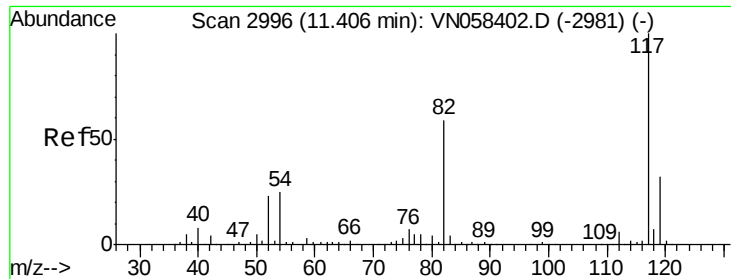
#62
4-Bromofluorobenzene
Concen: 43.590 ug/l
RT: 12.41 min Scan# 3307
Delta R.T. 0.00 min
Lab File: VN058469.D
Acq: 1 Oct 2019 18:09

Tgt Ion: 95 Resp: 246737
Ion Ratio Lower Upper
95 100
174 74.8 0.0 150.6
176 73.1 0.0 146.2



Abundance Ion 94.90 (94.60 to 95.60): V
Ion 173.80 (173.50 to 174.50): V
Ion 175.80 (175.50 to 176.50): V

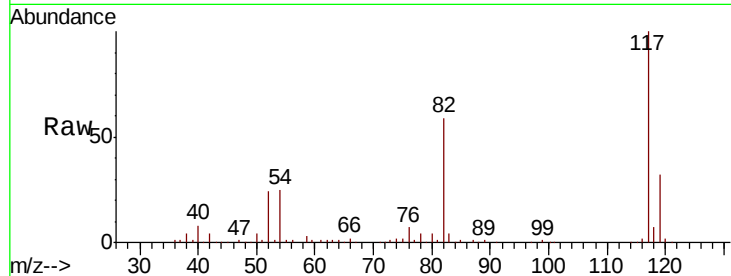




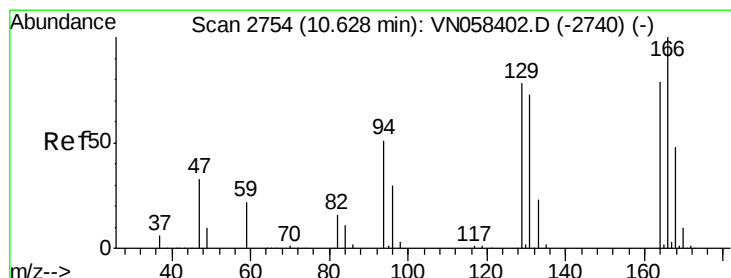
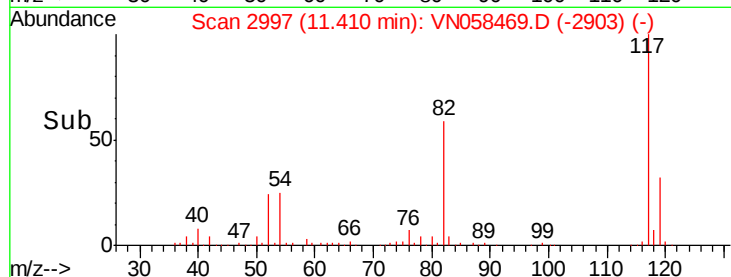
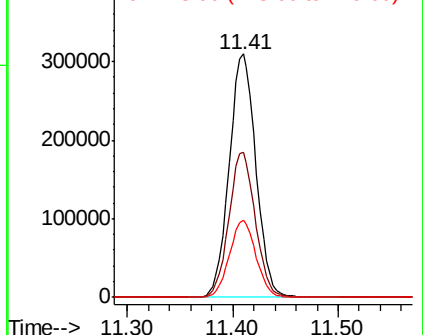
#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.41 min Scan# 2997
Delta R.T. 0.00 min
Lab File: VN058469.D
Acq: 1 Oct 2019 18:09

Instrument :
MSVOA_N
ClientSampleId :
I.BLK

Tot Ion:117 Resp: 540534
Ion Ratio Lower Upper
117 100
82 59.4 47.4 71.0
119 31.8 25.5 38.3

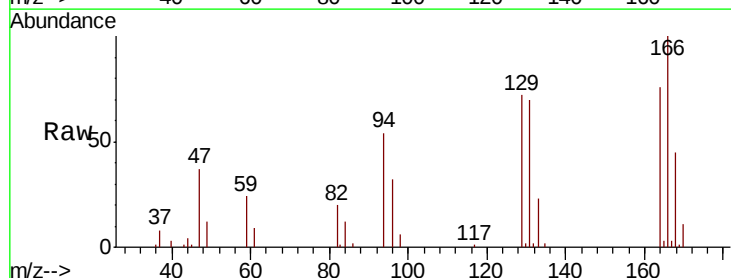


Abundance Ion 116.90 (116.60 to 117.60): V
Ion 82.00 (81.70 to 82.70): V
Ion 118.90 (118.60 to 119.60): V

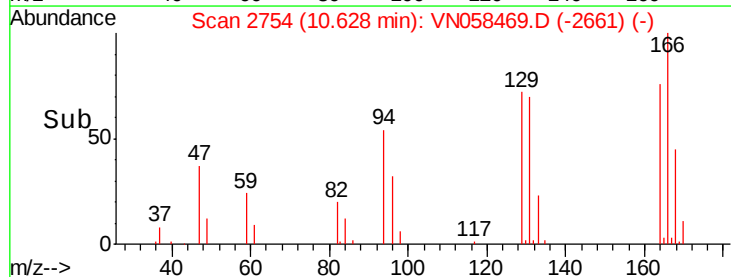
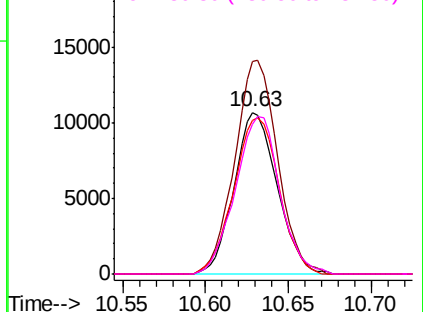


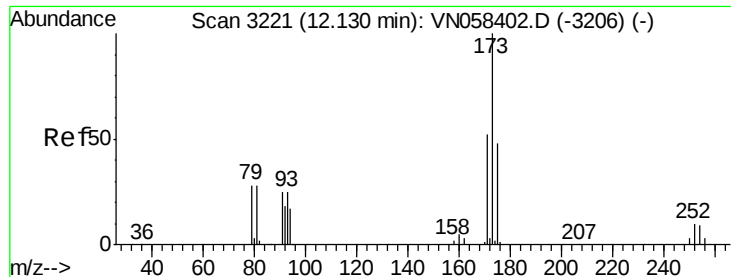
#64
Tetrachloroethene
Concen: 5.614 ug/l
RT: 10.63 min Scan# 2754
Delta R.T. 0.00 min
Lab File: VN058469.D
Acq: 1 Oct 2019 18:09

Tgt Ion:164 Resp: 19280
Ion Ratio Lower Upper
164 100
166 131.7 101.1 151.7
129 95.0 79.2 118.8
131 92.8 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: 0.727 ug/l

RT: 12.39 min Scan# 3301

Delta R.T. 0.26 min

Lab File: VN058469.D

Acq: 1 Oct 2019 18:09

Instrument :

MSVOA_N

ClientSampled :

I.BLK

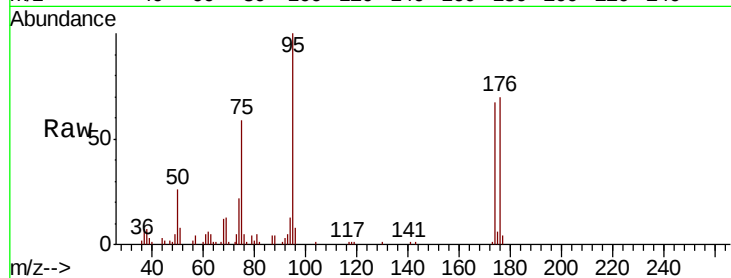
Tot Ion:173 Resp: 83

Ion Ratio Lower Upper

173 100

175 0.0 24.3 73.0#

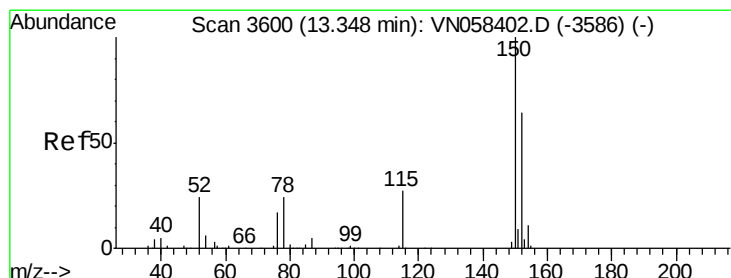
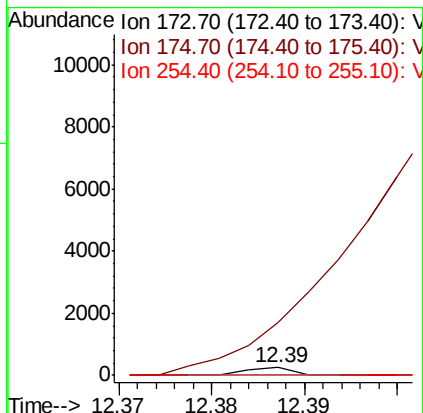
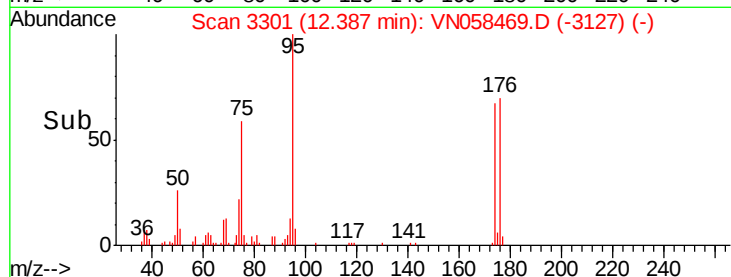
254 0.0 0.1 0.1#



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: VN058469.D

Acq: 1 Oct 2019 18:09

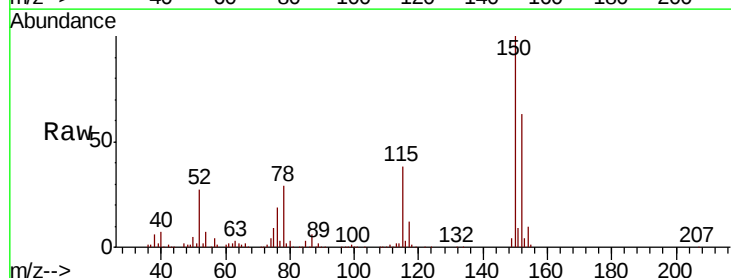
Tgt Ion:152 Resp: 200294

Ion Ratio Lower Upper

152 100

115 61.2 30.0 90.0

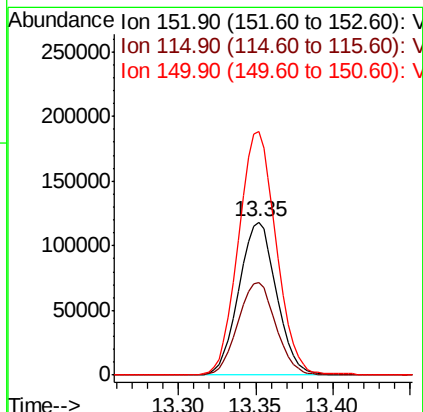
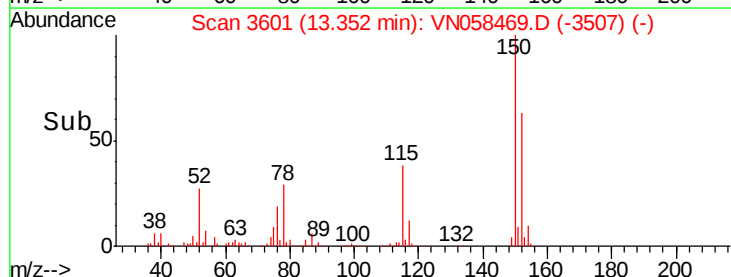
150 159.6 0.0 348.2

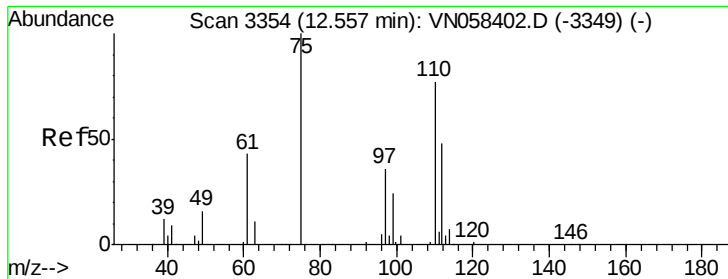


Abundance Ion 151.90 (151.60 to 152.60): V

Ion 114.90 (114.60 to 115.60): V

Ion 149.90 (149.60 to 150.60): V





#76

1,2,3-Trichloropropane

Concen: 36.534 ug/l

RT: 12.41 min Scan# 3307

Delta R.T. -0.15 min

Lab File: VN058469.D

Acq: 1 Oct 2019 18:09

Instrument :

MSVOA_N

ClientSampled :

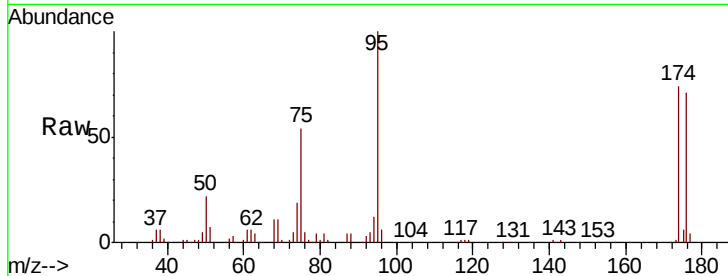
I.BLK

Tot Ion: 75 Resp: 133654

Ion Ratio Lower Upper

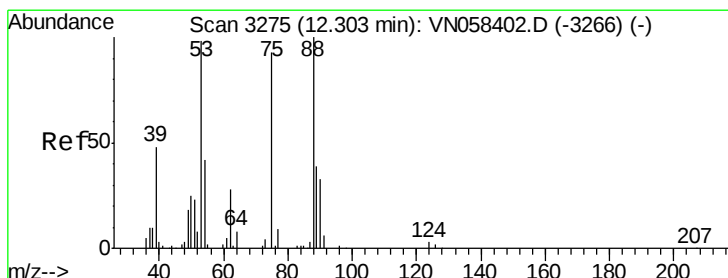
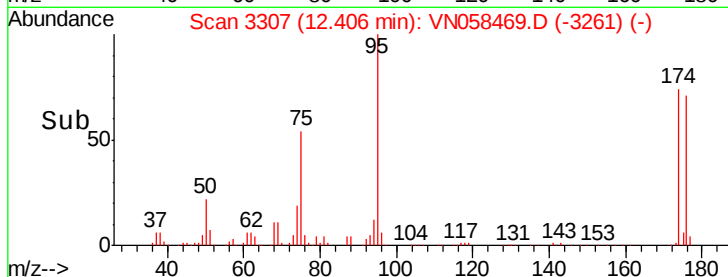
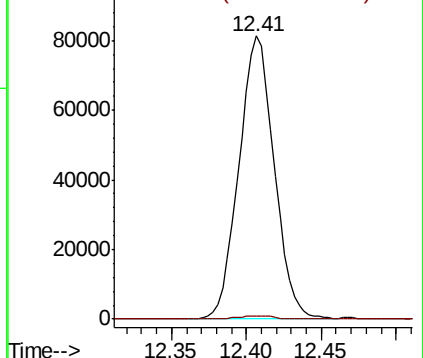
75 100

77 1.2 0.0 0.0#



Abundance Ion 74.90 (74.60 to 75.60): VNO

Ion 77.00 (76.70 to 77.70): VNO



#81

trans-1,4-Dichloro-2-butene

Concen: 110.957 ug/l

RT: 12.41 min Scan# 3307

Delta R.T. 0.10 min

Lab File: VN058469.D

Acq: 1 Oct 2019 18:09

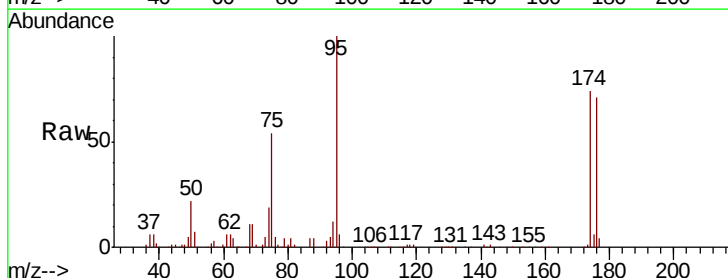
Tgt Ion: 75 Resp: 133654

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): VNO

Ion 53.00 (52.70 to 53.70): VNO

Ion 88.90 (88.60 to 89.60): VNO

