

Data Path : Z:\VOASRV\HPCHEM1\MSVOA_N\DATA\VN100319\
 Data File : VN058509.D
 Acq On : 3 Oct 2019 14:59
 Operator : JC/SP
 Sample : IBLK
 Misc : 5.00mL/MSVOA_N/WATER
 ALS Vial : 9 Sample Multiplier: 1

Instrument :
 MSVOA_N
 ClientSampleId :
 IBLK

Quant Time: Oct 04 03:19:33 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	332838	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.57	114	552774	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.41	117	471746	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.35	152	175263	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	250871	51.58	ug/l	0.00
Spiked Amount 50.000			Recovery	=	103.16%	
35) Dibromofluoromethane	7.57	113	174167	51.41	ug/l	0.00
Spiked Amount 50.000			Recovery	=	102.82%	
50) Toluene-d8	10.08	98	691485	52.10	ug/l	0.00
Spiked Amount 50.000			Recovery	=	104.20%	
62) 4-Bromofluorobenzene	12.41	95	208754	43.50	ug/l	0.00
Spiked Amount 50.000			Recovery	=	87.00%	

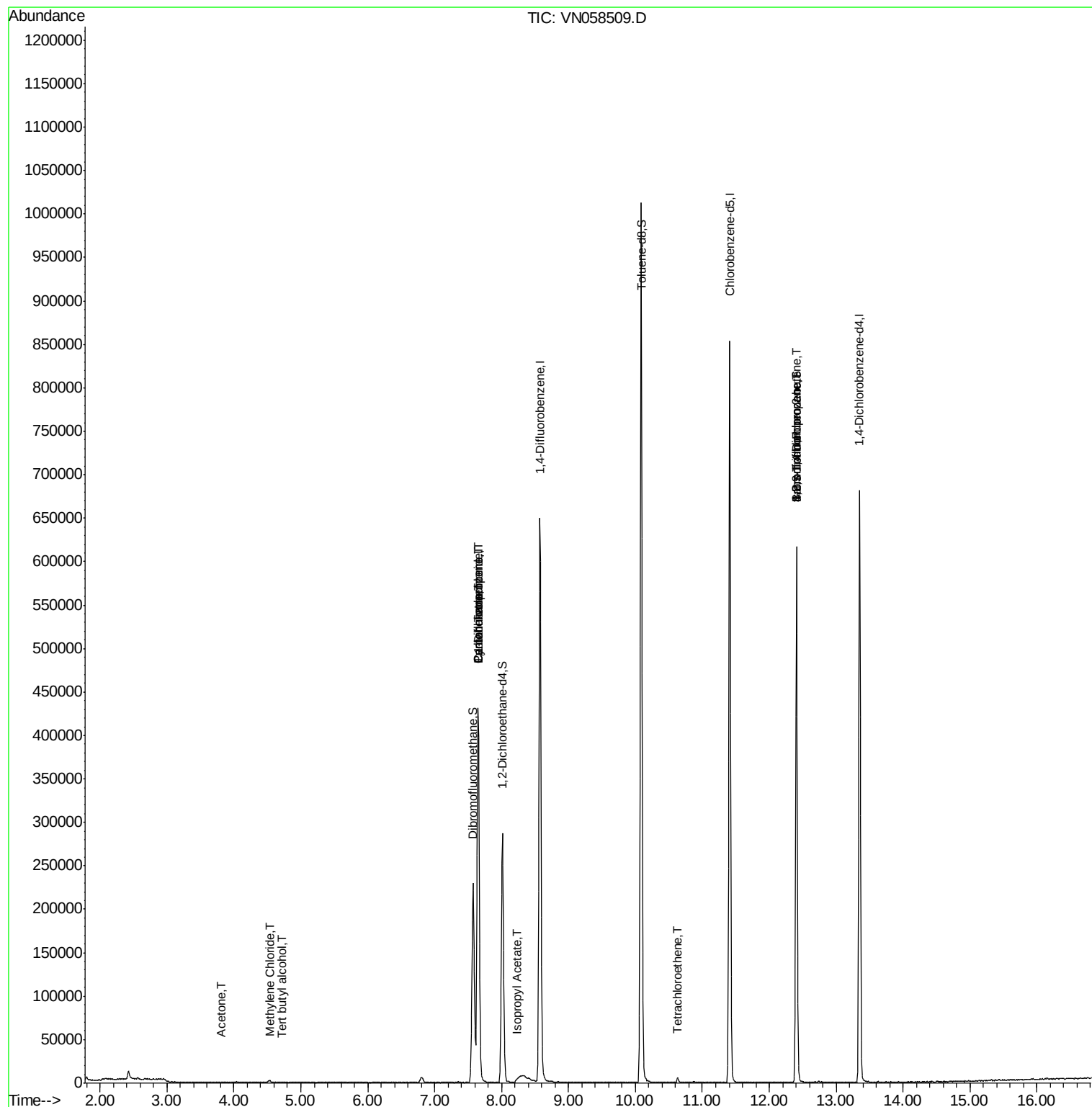
Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
11) Tert butyl alcohol	4.72	59	163	0.302	ug/l #	71
16) Acetone	3.80	43	690	0.416	ug/l #	47
20) Methylene Chloride	4.54	84	1330	0.348	ug/l #	73
31) Cyclohexane	7.65	56	8480	1.260	ug/l #	14
36) 1,1-Dichloropropene	7.65	75	30300	5.733	ug/l #	47
38) Carbon Tetrachloride	7.65	117	35280	7.395	ug/l #	16
43) Isopropyl Acetate	8.23	43	2610	0.310	ug/l #	63
60) Dibromochloromethane	10.63	129	1052	Below Cal	#	11
64) Tetrachloroethene	10.63	164	1187	0.396	ug/l	93
71) Bromoform	12.40	173	338	0.847	ug/l #	29
76) 1,2,3-Trichloropropane	12.41	75	114310	35.709	ug/l #	100
81) trans-1,4-Dichloro-2-buten	12.41	75	114310	108.451	ug/l #	7

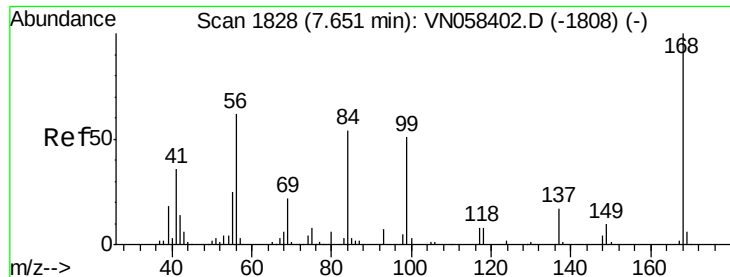
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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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: VN058509.D

Acq: 3 Oct 2019 14:59

Instrument :

MSVOA_N

ClientSampled :

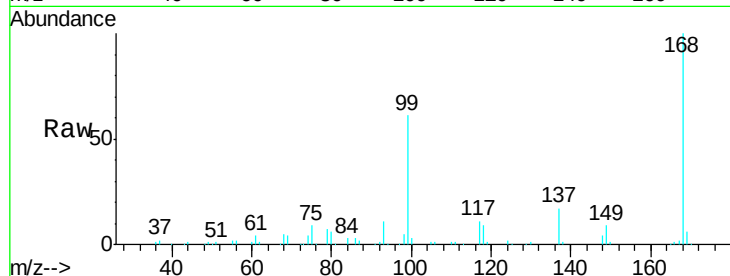
IBLK

Tgt Ion: 168 Resp: 332838

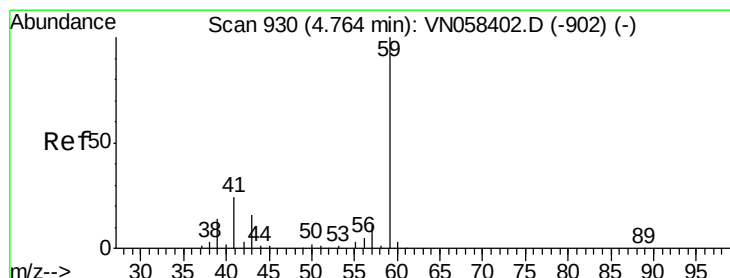
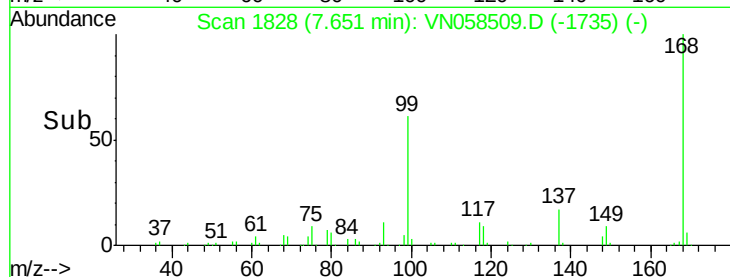
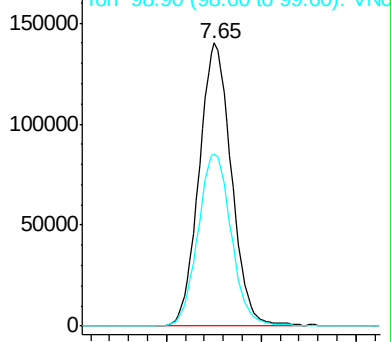
Ion Ratio Lower Upper

168 100

99 60.9 47.7 71.5



Abundance Ion 167.90 (167.60 to 168.60): VN058402.D (-1808) (-)



#11

Tert butyl alcohol

Concen: 0.302 ug/l

RT: 4.72 min Scan# 918

Delta R.T. -0.04 min

Lab File: VN058509.D

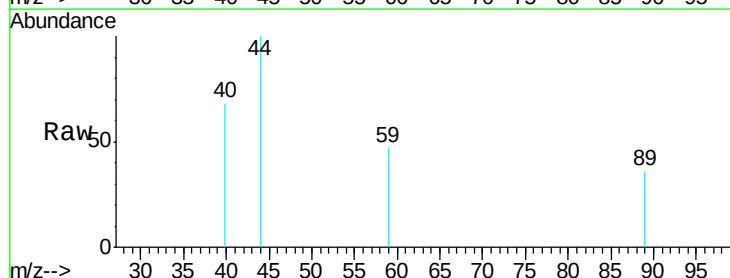
Acq: 3 Oct 2019 14:59

Tgt Ion: 59 Resp: 163

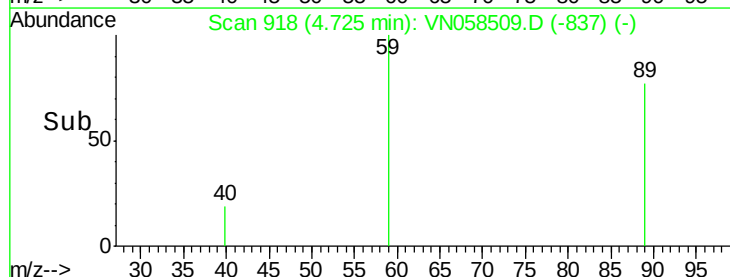
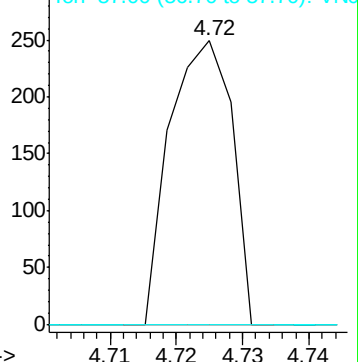
Ion Ratio Lower Upper

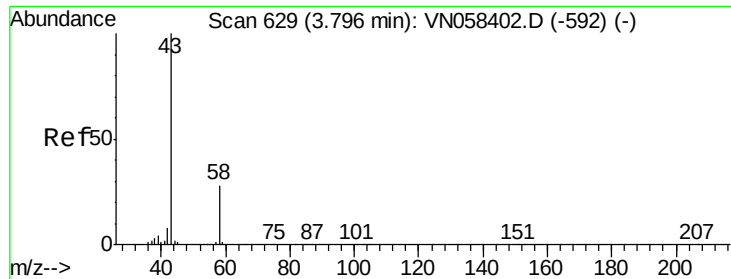
59 100

57 0.0 9.0 13.4#



Abundance Ion 59.00 (58.70 to 59.70): VN058402.D (-902) (-)





#16

Acetone

Concen: 0.416 ug/l

RT: 3.80 min Scan# 631

Delta R.T. 0.01 min

Lab File: VN058509.D

Acq: 3 Oct 2019 14:59

Instrument :

MSVOA_N

ClientSampleId :

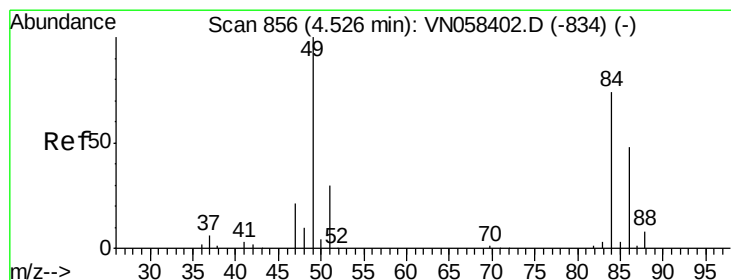
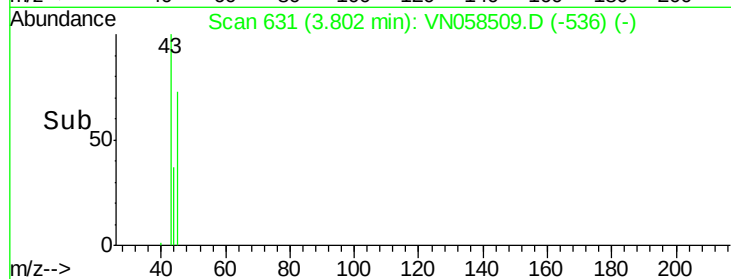
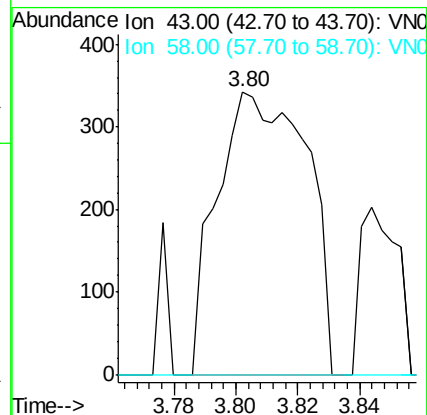
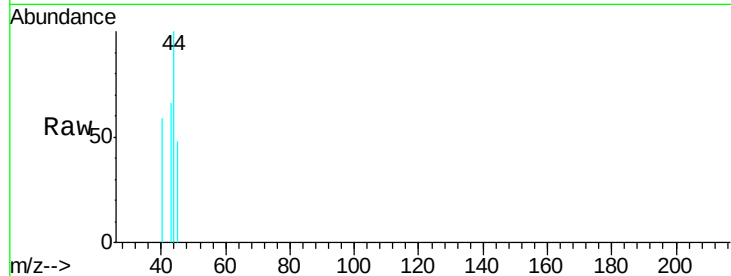
IBLK

Tgt Ion: 43 Resp: 690

Ion Ratio Lower Upper

43 100

58 0.0 22.4 33.6#



#20

Methylene Chloride

Concen: 0.348 ug/l

RT: 4.54 min Scan# 859

Delta R.T. 0.01 min

Lab File: VN058509.D

Acq: 3 Oct 2019 14:59

Tgt Ion: 84 Resp: 1330

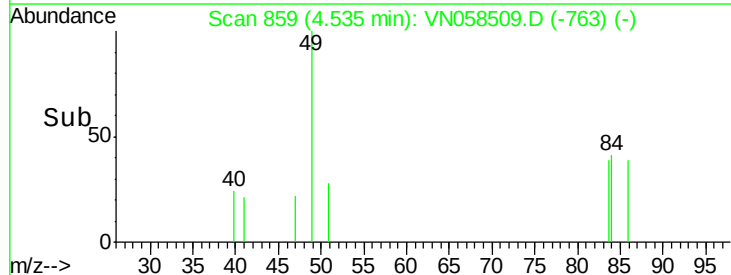
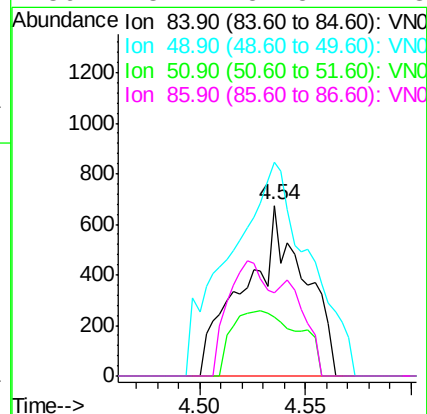
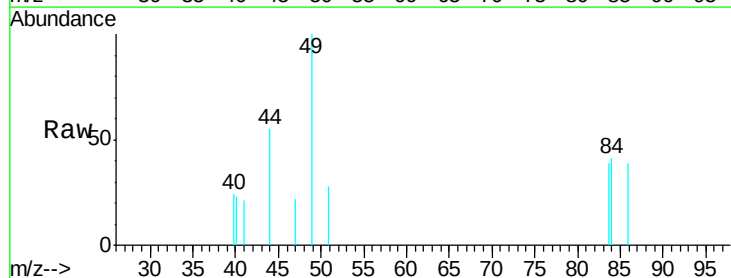
Ion Ratio Lower Upper

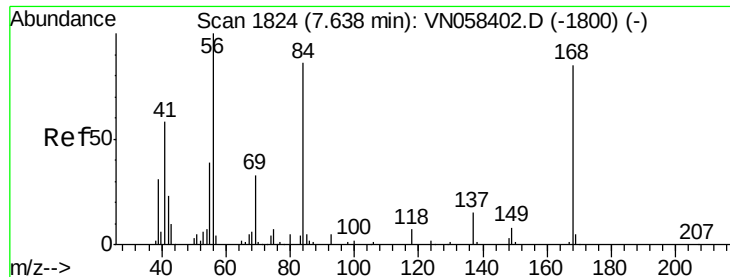
84 100

49 93.3 107.9 161.9#

51 34.5 32.8 49.2

86 48.7 51.5 77.3#





#31

Cyclohexane

Concen: 1.260 ug/l

RT: 7.65 min Scan# 1829

Delta R.T. 0.02 min

Lab File: VN058509.D

Acq: 3 Oct 2019 14:59

Instrument :

MSVOA_N

ClientSampled :

IBLK

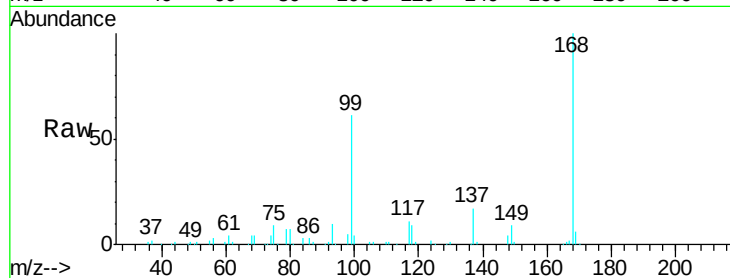
Tgt Ion: 56 Resp: 8480

Ion Ratio Lower Upper

56 100

69 170.2 26.2 39.4#

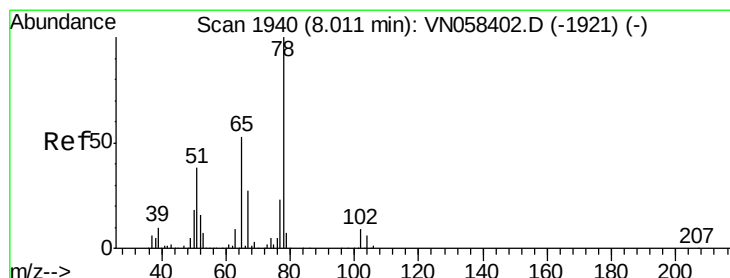
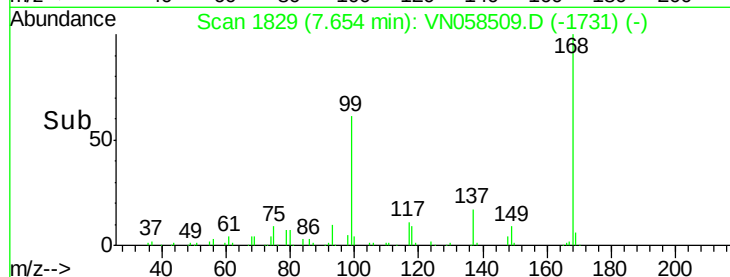
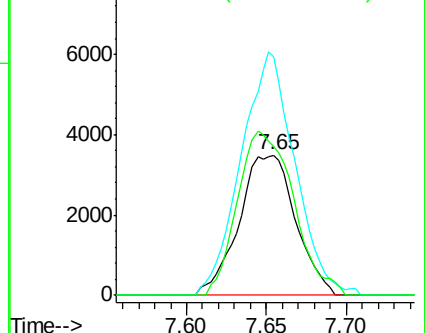
84 106.5 67.6 101.4#



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



#33

1,2-Dichloroethane-d4

Concen: 51.578 ug/l

RT: 8.01 min Scan# 1940

Delta R.T. -0.00 min

Lab File: VN058509.D

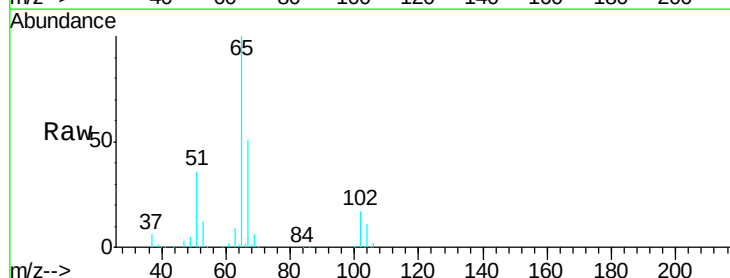
Acq: 3 Oct 2019 14:59

Tgt Ion: 65 Resp: 250871

Ion Ratio Lower Upper

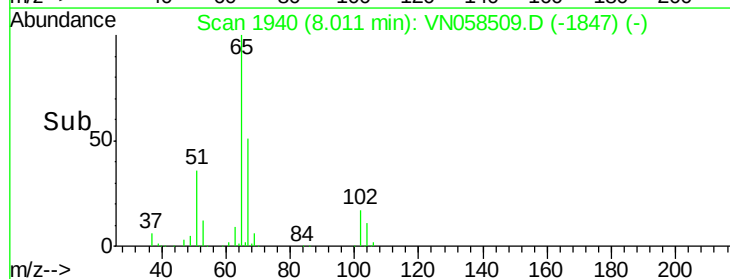
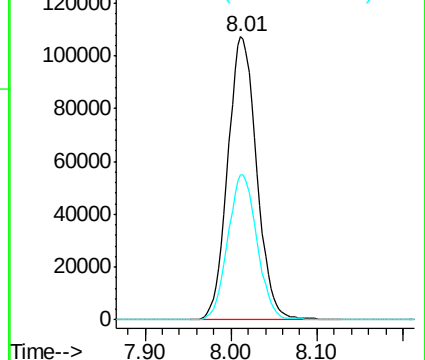
65 100

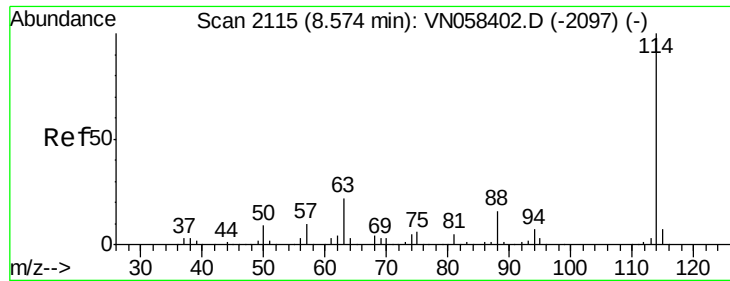
67 51.7 0.0 102.4



Abundance Ion 64.90 (64.60 to 65.60): VN0

Ion 66.90 (66.60 to 67.60): VN0

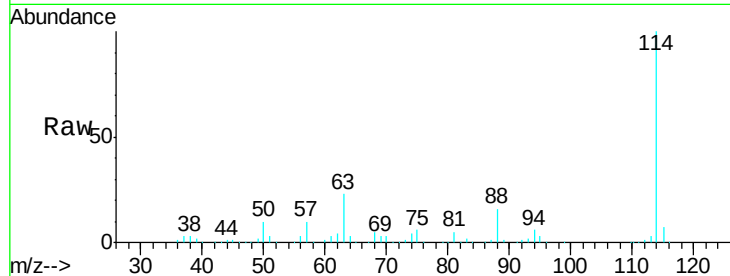




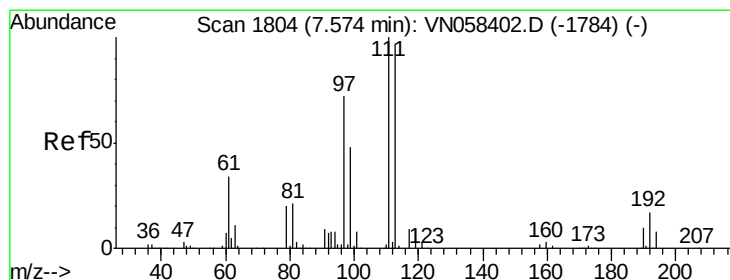
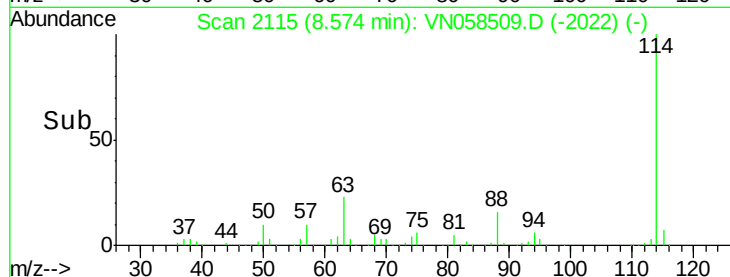
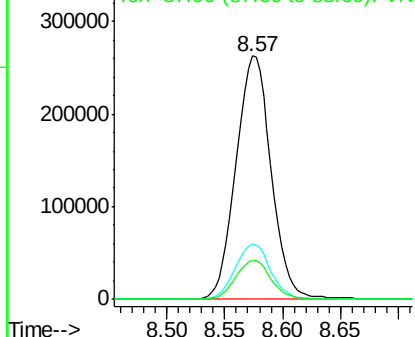
#34
 1,4-Difluorobenzene
 Concen: 50.000 ug/l
 RT: 8.57 min Scan# 2115
 Delta R.T. -0.00 min
 Lab File: VN058509.D
 Acq: 3 Oct 2019 14:59

Instrument :
 MSVOA_N
 ClientSampleId :
 IBLK

Tgt Ion:114 Resp: 552774
 Ion Ratio Lower Upper
 114 100
 63 22.6 0.0 45.0
 88 16.1 0.0 32.2

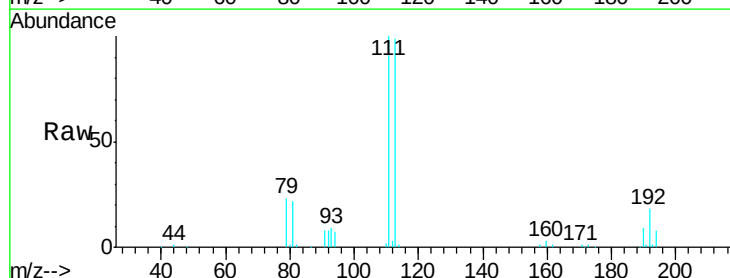


Abundance Ion 113.90 (113.60 to 114.60): V
 Ion 63.00 (62.70 to 63.70): VNO
 Ion 87.90 (87.60 to 88.60): VNO

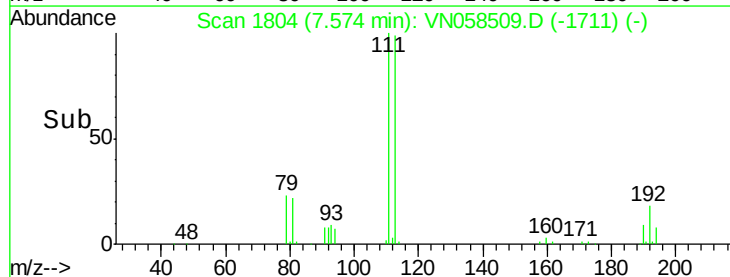
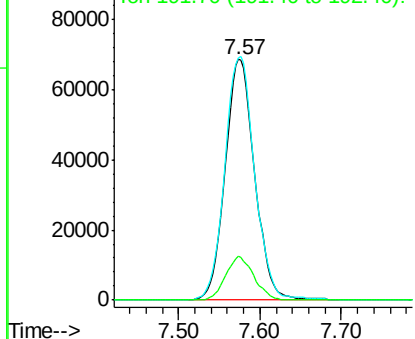


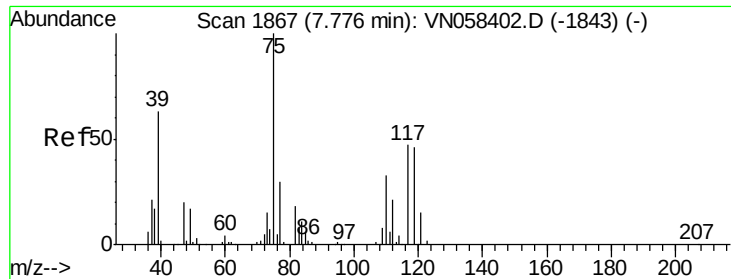
#35
 Dibromofluoromethane
 Concen: 51.409 ug/l
 RT: 7.57 min Scan# 1804
 Delta R.T. -0.00 min
 Lab File: VN058509.D
 Acq: 3 Oct 2019 14:59

Tgt Ion:113 Resp: 174167
 Ion Ratio Lower Upper
 113 100
 111 103.2 83.4 125.2
 192 17.4 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

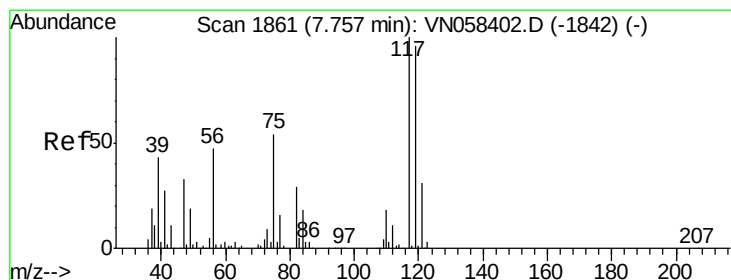
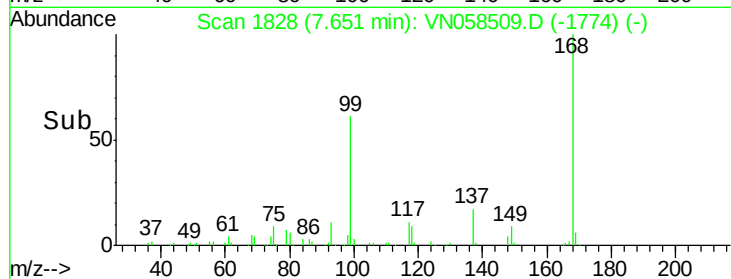
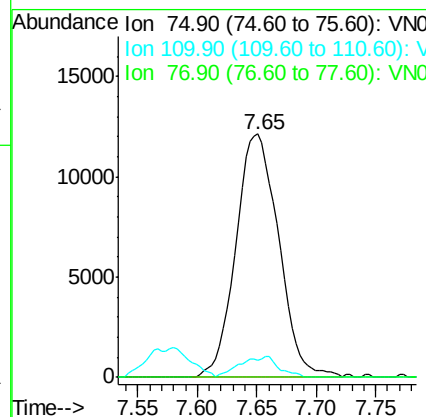
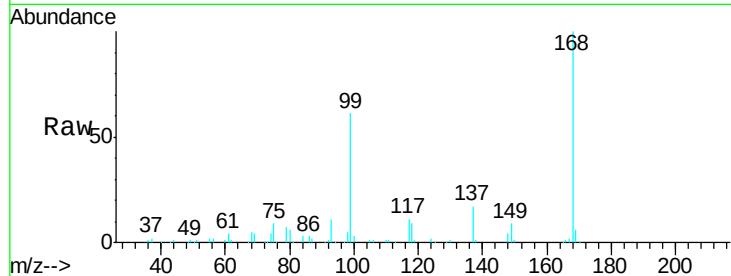




#36
 1,1-Dichloropropene
 Concen: 5.733 ug/l
 RT: 7.65 min Scan# 1828
 Delta R.T. -0.13 min
 Lab File: VN058509.D
 Acq: 3 Oct 2019 14:59

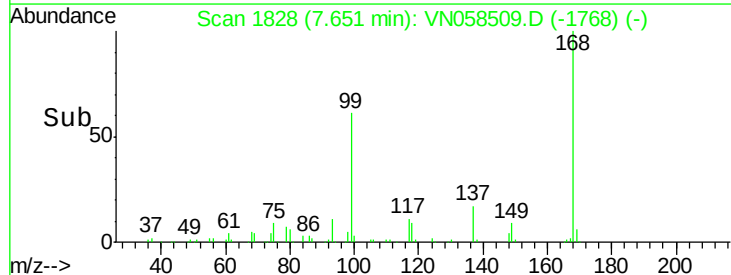
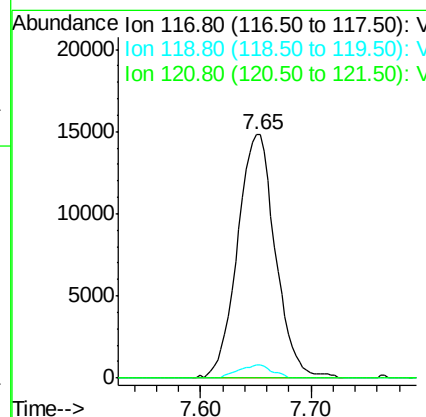
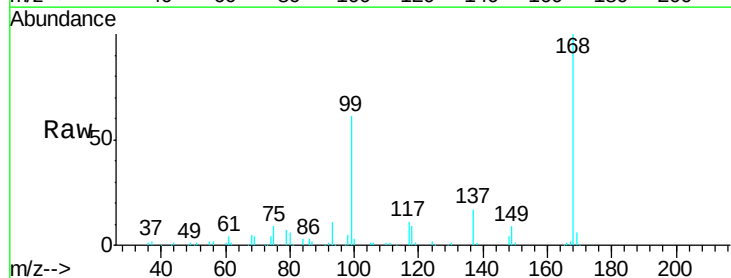
Instrument :
 MSVOA_N
 ClientSampleId :
 IBLK

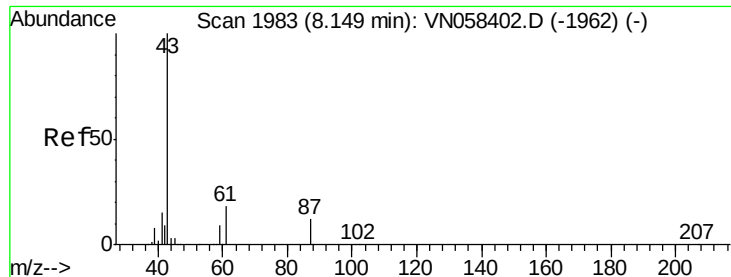
Tgt Ion: 75 Resp: 30300
 Ion Ratio Lower Upper
 75 100
 110 4.1 16.4 49.2#
 77 0.0 24.3 36.5#



#38
 Carbon Tetrachloride
 Concen: 7.395 ug/l
 RT: 7.65 min Scan# 1828
 Delta R.T. -0.11 min
 Lab File: VN058509.D
 Acq: 3 Oct 2019 14:59

Tgt Ion: 117 Resp: 35280
 Ion Ratio Lower Upper
 117 100
 119 5.3 76.6 115.0#
 121 0.0 24.7 37.1#





#43

Isopropyl Acetate

Concen: 0.310 ug/l

RT: 8.23 min Scan# 2008

Delta R.T. 0.08 min

Lab File: VN058509.D

Acq: 3 Oct 2019 14:59

Instrument :

MSVOA_N

ClientSampleId :

IBLK

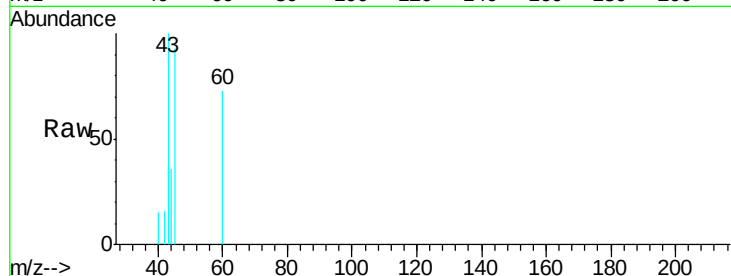
Tgt Ion: 43 Resp: 2610

Ion Ratio Lower Upper

43 100

61 0.0 14.8 22.2#

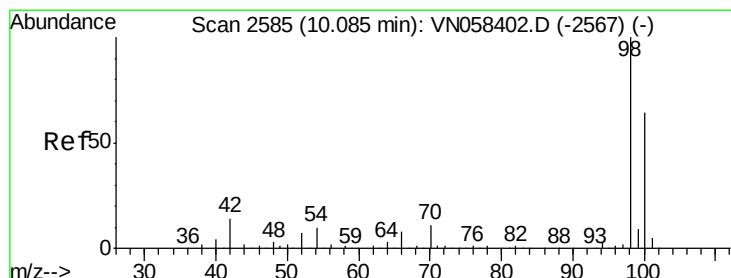
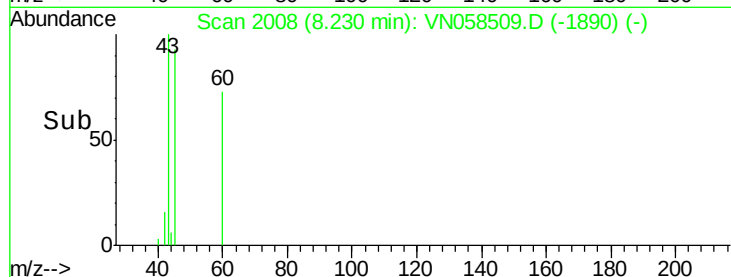
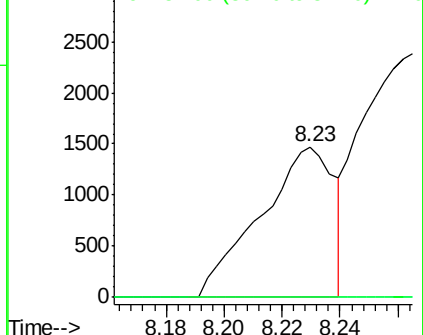
87 0.0 9.7 14.5#



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: 52.102 ug/l

RT: 10.08 min Scan# 2585

Delta R.T. -0.00 min

Lab File: VN058509.D

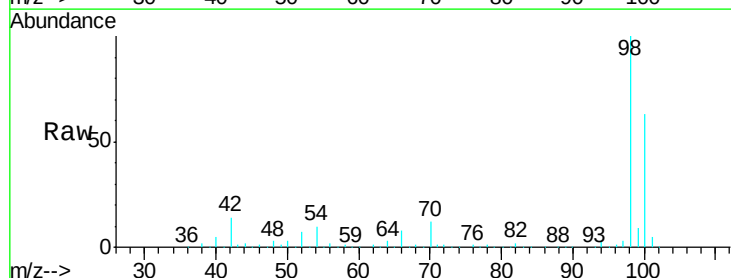
Acq: 3 Oct 2019 14:59

Tgt Ion: 98 Resp: 691485

Ion Ratio Lower Upper

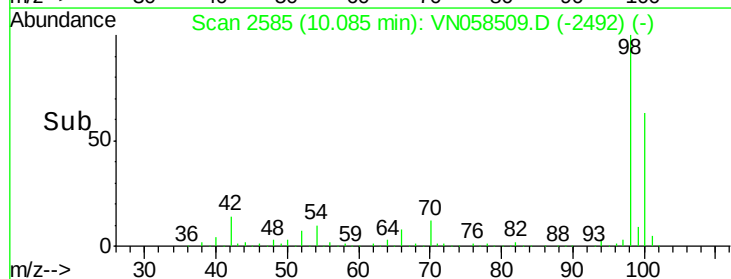
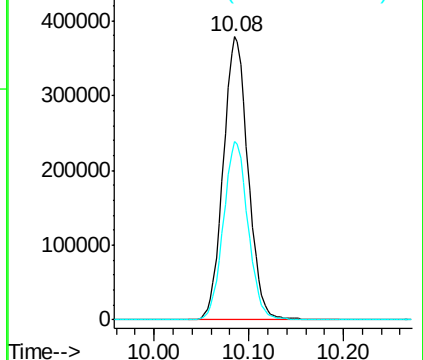
98 100

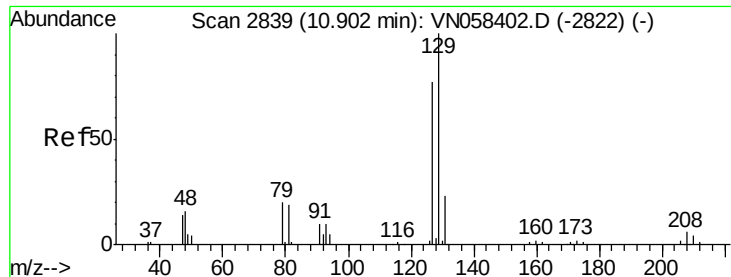
100 62.7 51.0 76.6



Abundance Ion 98.00 (97.70 to 98.70): VN0

Ion 100.00 (99.70 to 100.70): VN0

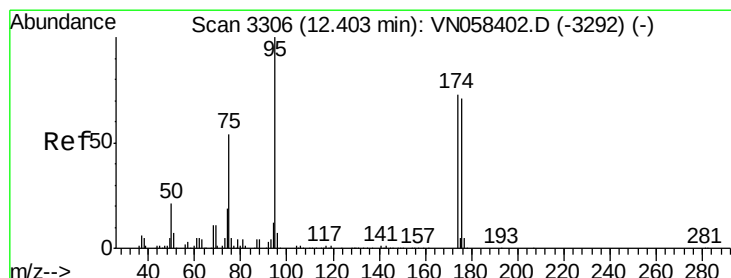
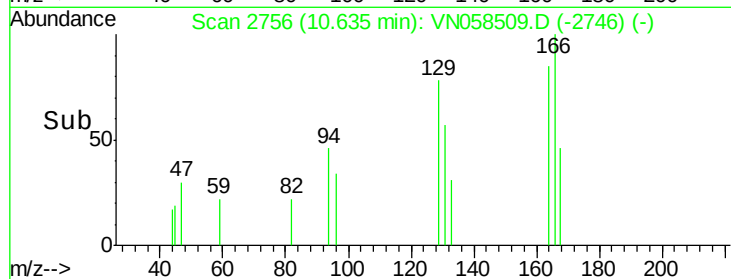
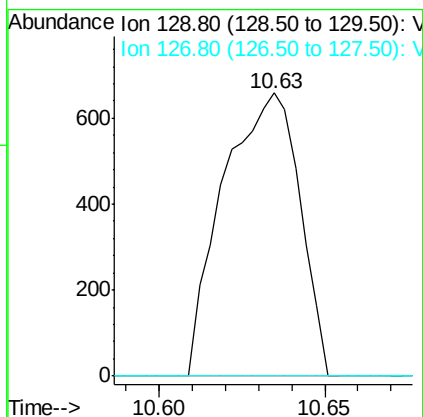
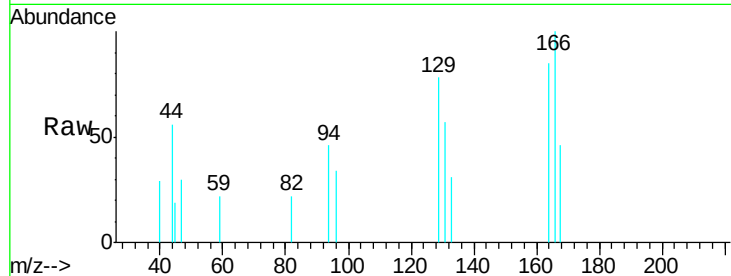




#60
Dibromochloromethane
Concen: Below Cal
RT: 10.63 min Scan# 2756
Delta R.T. -0.27 min
Lab File: VN058509.D
Acq: 3 Oct 2019 14:59

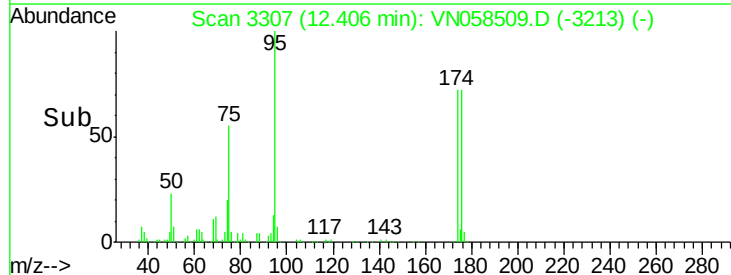
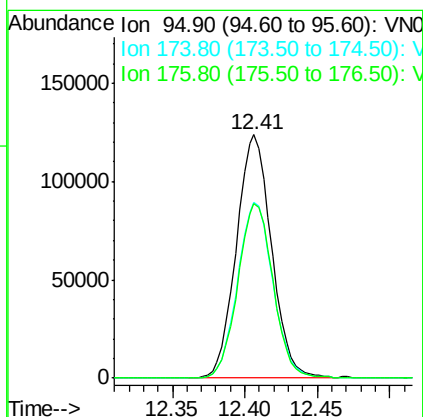
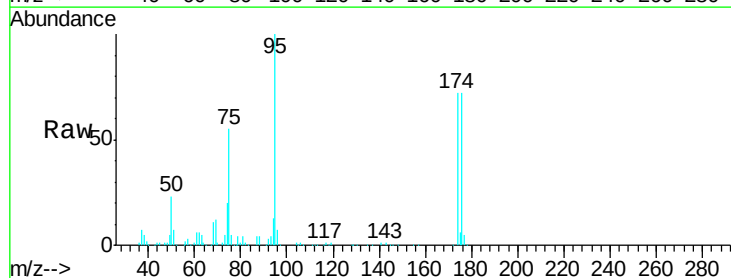
Instrument :
MSVOA_N
ClientSampleId :
IBLK

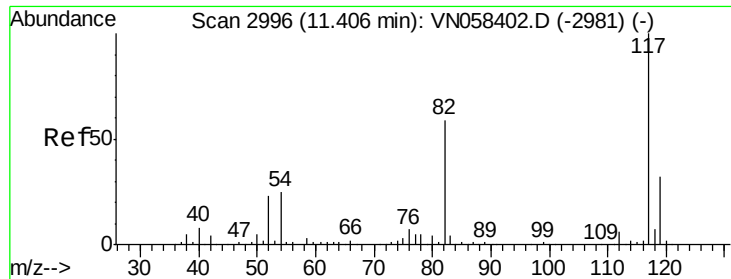
Tgt Ion: 129 Resp: 1052
Ion Ratio Lower Upper
129 100
127 0.0 38.3 114.8#



#62
4-Bromofluorobenzene
Concen: 43.501 ug/l
RT: 12.41 min Scan# 3307
Delta R.T. 0.00 min
Lab File: VN058509.D
Acq: 3 Oct 2019 14:59

Tgt Ion: 95 Resp: 208754
Ion Ratio Lower Upper
95 100
174 72.9 0.0 150.6
176 72.0 0.0 146.2

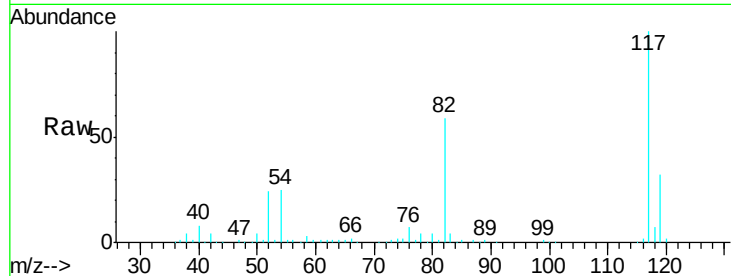




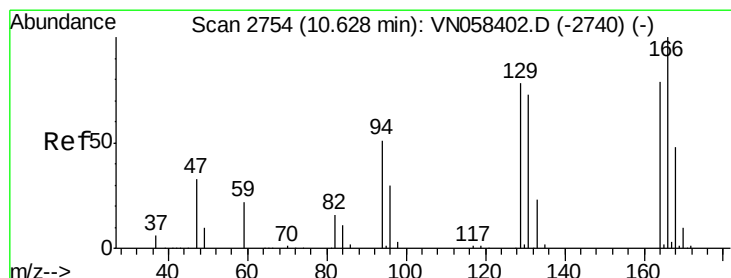
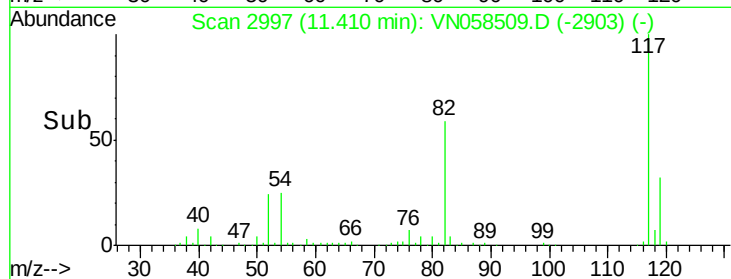
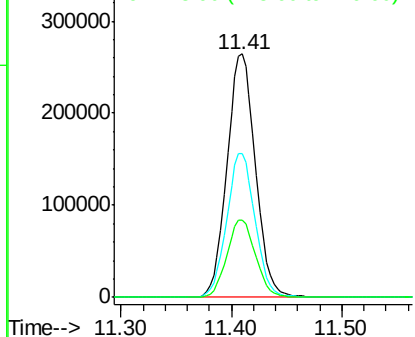
#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.41 min Scan# 2997
Delta R.T. 0.00 min
Lab File: VN058509.D
Acq: 3 Oct 2019 14:59

Instrument :
MSVOA_N
ClientSampled :
IBLK

Tgt Ion:117 Resp: 471746
Ion Ratio Lower Upper
117 100
82 59.1 47.4 71.0
119 31.7 25.5 38.3



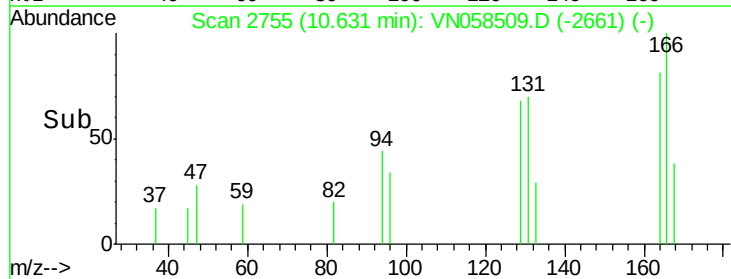
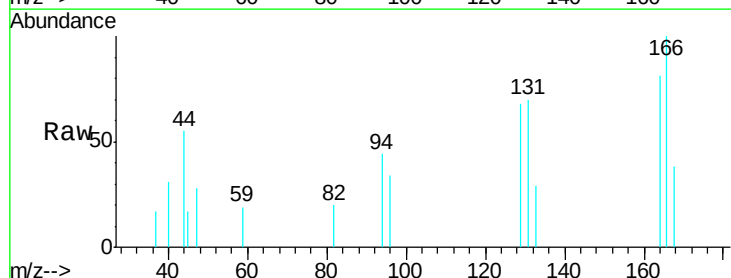
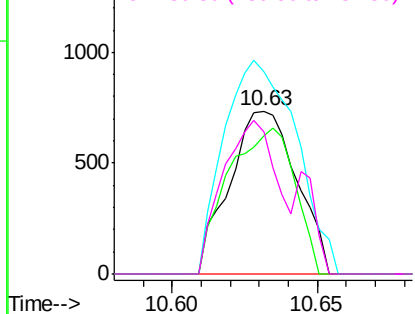
Abundance Ion 116.90 (116.60 to 117.60): V
Ion 82.00 (81.70 to 82.70): V
Ion 118.90 (118.60 to 119.60): V

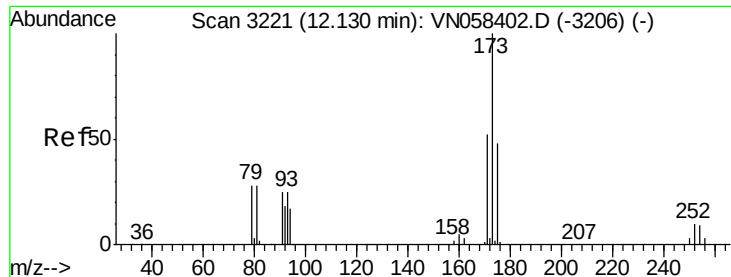


#64
Tetrachloroethene
Concen: 0.396 ug/l
RT: 10.63 min Scan# 2755
Delta R.T. 0.00 min
Lab File: VN058509.D
Acq: 3 Oct 2019 14:59

Tgt Ion:164 Resp: 1187
Ion Ratio Lower Upper
164 100
166 124.0 101.1 151.7
129 84.8 79.2 118.8
131 87.4 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: 0.847 ug/l

RT: 12.40 min Scan# 3304

Delta R.T. 0.27 min

Lab File: VN058509.D

Acq: 3 Oct 2019 14:59

Instrument :

MSVOA_N

ClientSampled :

IBLK

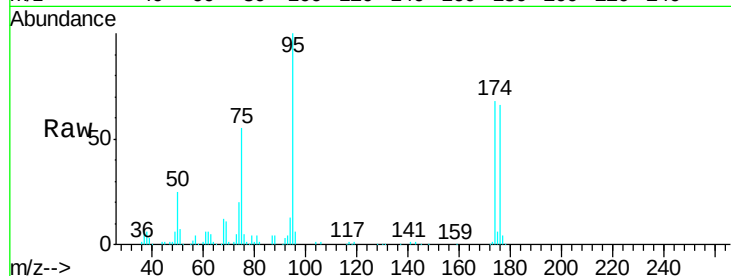
Tgt Ion:173 Resp: 338

Ion Ratio Lower Upper

173 100

175 0.0 24.3 73.0#

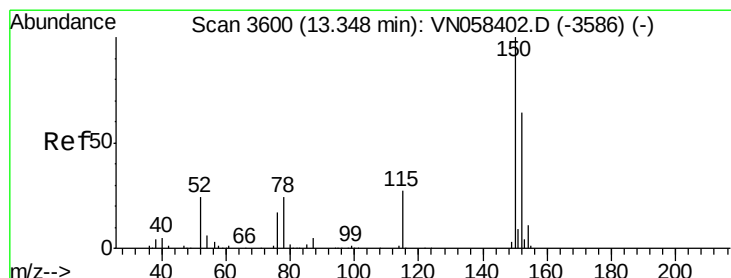
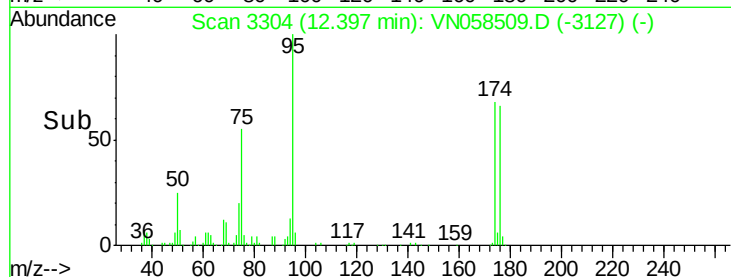
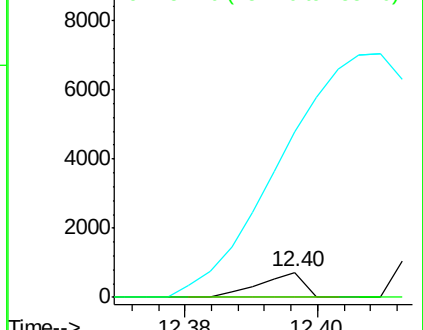
254 0.0 0.1 0.1#



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: VN058509.D

Acq: 3 Oct 2019 14:59

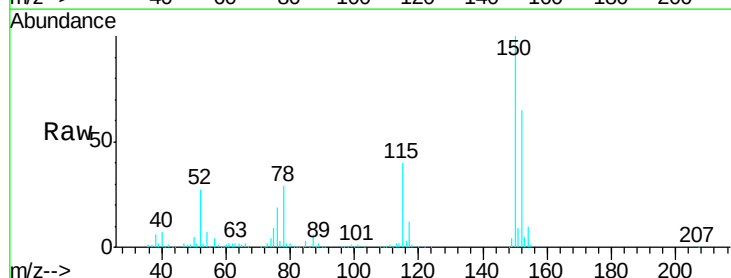
Tgt Ion:152 Resp: 175263

Ion Ratio Lower Upper

152 100

115 61.2 30.0 90.0

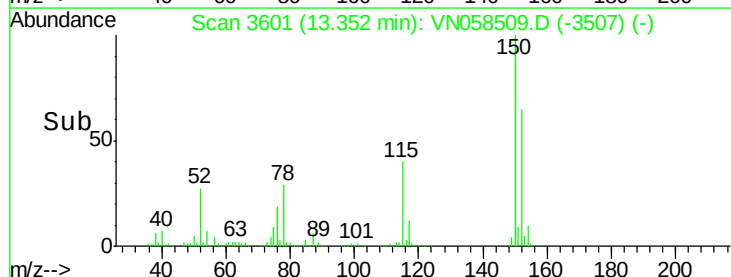
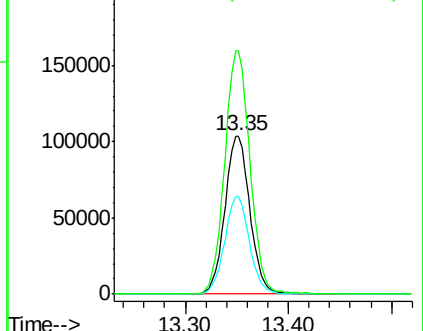
150 155.3 0.0 348.2

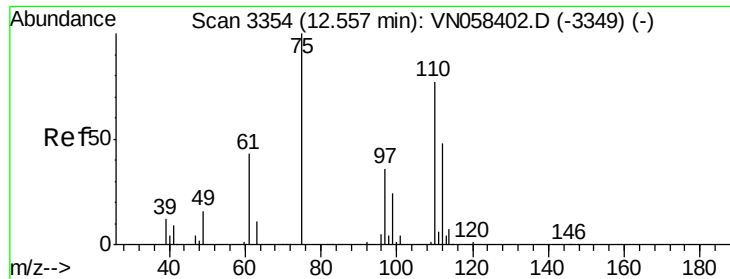


Abundance Ion 151.90 (151.60 to 152.60): V

Ion 114.90 (114.60 to 115.60): V

Ion 149.90 (149.60 to 150.60): V





#76

1,2,3-Trichloropropane

Concen: 35.709 ug/l

RT: 12.41 min Scan# 3307

Delta R.T. -0.15 min

Lab File: VN058509.D

Acq: 3 Oct 2019 14:59

Instrument :

MSVOA_N

ClientSampled :

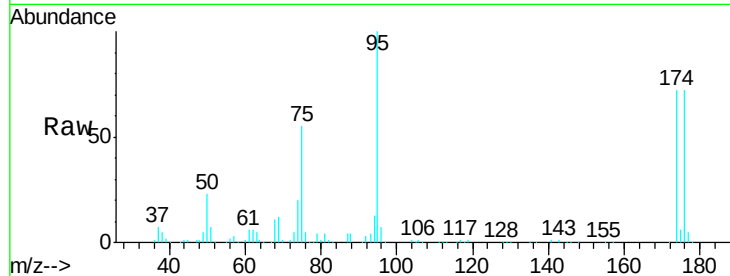
IBLK

Tgt Ion: 75 Resp: 114310

Ion Ratio Lower Upper

75 100

77 0.9 0.0 0.0#



Abundance Ion 74.90 (74.60 to 75.60): VN0

Ion 77.00 (76.70 to 77.70): VN0

12.41

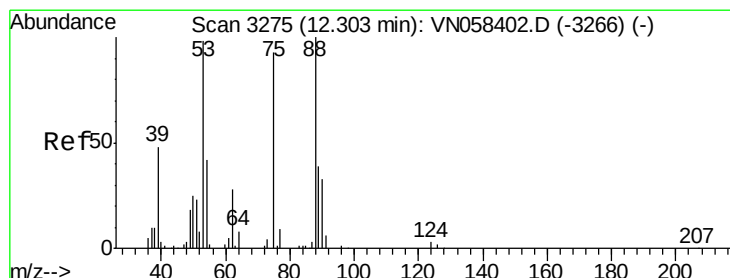
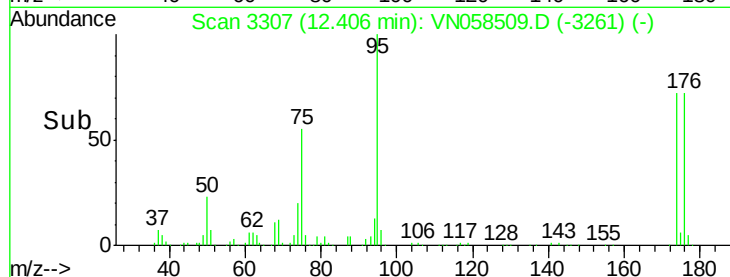
60000

40000

20000

0

Time-->



#81

trans-1,4-Dichloro-2-butene

Concen: 108.451 ug/l

RT: 12.41 min Scan# 3307

Delta R.T. 0.10 min

Lab File: VN058509.D

Acq: 3 Oct 2019 14:59

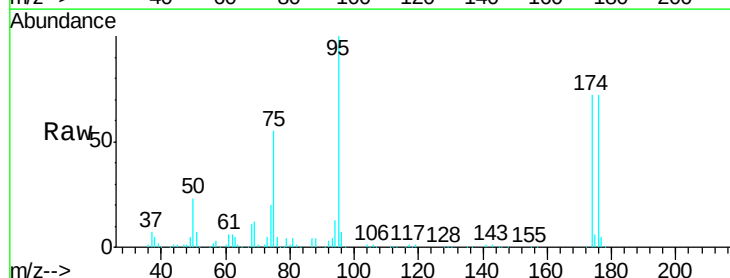
Tgt Ion: 75 Resp: 114310

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

12.41

80000

60000

40000

20000

0

Time-->

