

Data Path : Z:\VOASRV\HPCHEM1\MSVOA N\DATA\VN112219\
 Data File : VN059368.D
 Acq On : 22 Nov 2019 16:31
 Operator : JC/SP
 Sample : IBLK
 Misc : 5.00mL/MSVOA N/WATER
 ALS Vial : 19 Sample Multiplier: 1

Instrument :
 MSVOA_N
 ClientSampleId :
 IBLK

Quant Time: Nov 22 22:36:30 2019
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_N\METHODS\82N112019W.M
 Quant Title : SW846 8260
 QLast Update : Thu Nov 21 08:44:45 2019
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	7.65	168	357711	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.57	114	547460	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.40	117	468474	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.35	152	172733	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	204543	47.66	ug/l	0.00
Spiked Amount			Recovery	=	95.32%	
35) Dibromofluoromethane	7.57	113	163681	49.84	ug/l	0.00
Spiked Amount			Recovery	=	99.68%	
50) Toluene-d8	10.08	98	662438	50.73	ug/l	0.00
Spiked Amount			Recovery	=	101.46%	
62) 4-Bromofluorobenzene	12.40	95	211154	46.25	ug/l	0.00
Spiked Amount			Recovery	=	92.50%	

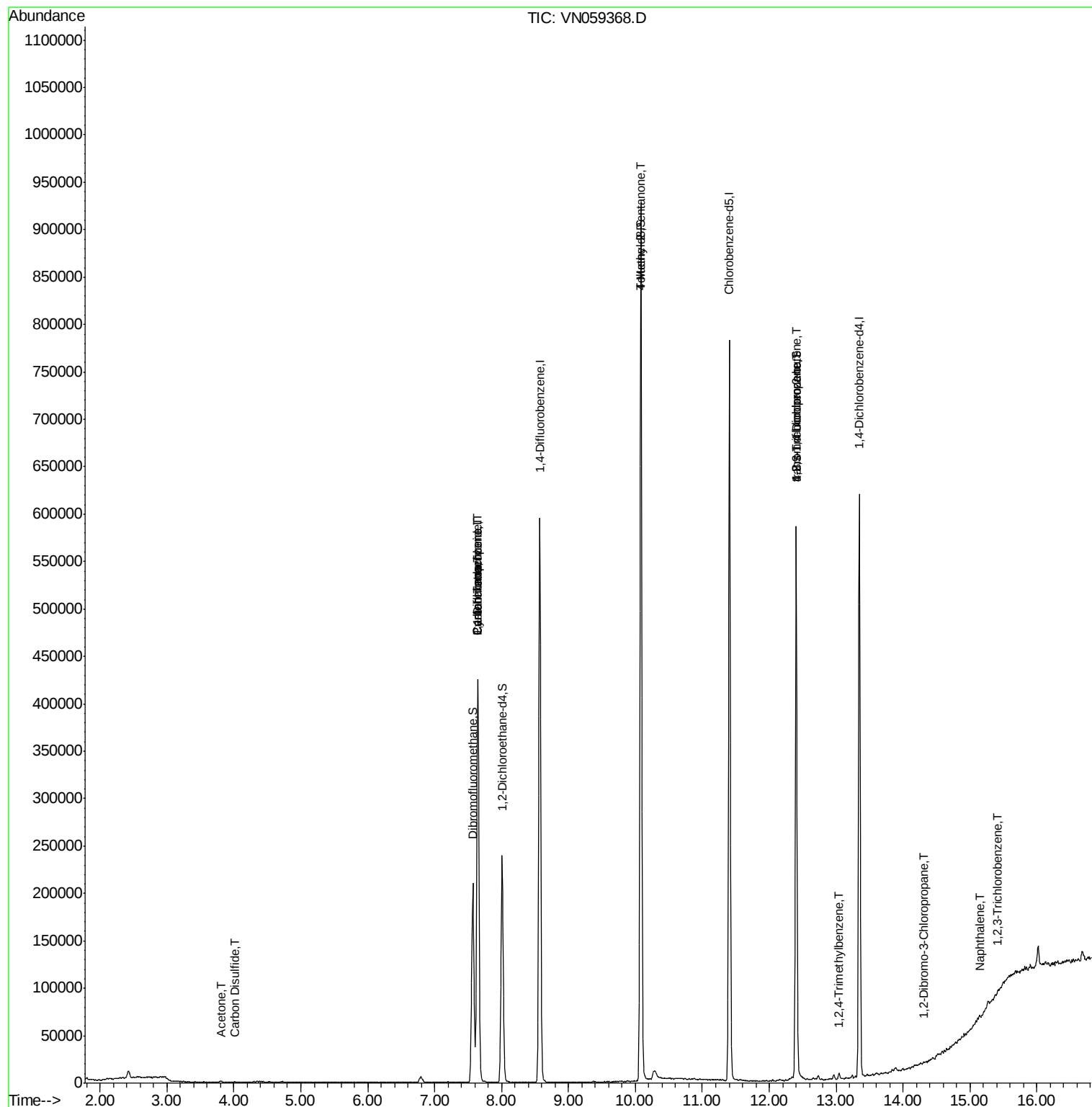
Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
16) Acetone	3.79	43	1601	0.832	ug/l	98
17) Carbon Disulfide	4.03	76	1029	0.225	ug/l #	75
31) Cyclohexane	7.64	56	6032	0.798	ug/l #	1
36) 1,1-Dichloropropene	7.64	75	26408	4.673	ug/l #	50
38) Carbon Tetrachloride	7.64	117	32267	5.964	ug/l #	16
51) 4-Methyl-2-Pentanone	10.08	43	2588	0.476	ug/l #	1
76) 1,2,3-Trichloropropane	12.40	75	102097	25.585	ug/l #	100
81) trans-1,4-Dichloro-2-buten	12.40	75	102097	63.991	ug/l #	14
84) 1,2,4-Trimethylbenzene	13.05	105	4189	0.360	ug/l	94
92) 1,2-Dibromo-3-Chloropropan	14.29	75	311	0.313	ug/l #	3
95) Naphthalene	15.13	128	2163	3.367	ug/l #	77
96) 1,2,3-Trichlorobenzene	15.41	180	30	1.909	ug/l #	1

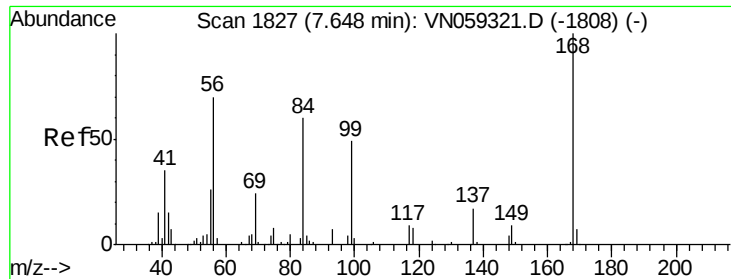
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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ClientSampled :
IBLK

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Quant Title : SW846 8260
QLast Update : Thu Nov 21 08:44:45 2019
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#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 7.65 min Scan# 1827

Delta R.T. 0.00 min

Lab File: VN059368.D

Acq: 22 Nov 2019 16:31

Instrument :

MSVOA_N

ClientSampled :

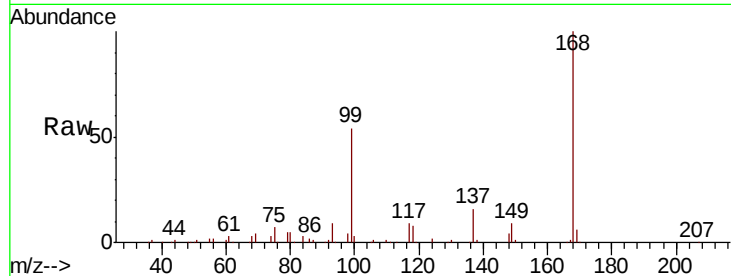
IBLK

Tot Ion:168 Resp: 357711

Ion Ratio Lower Upper

168 100

99 53.6 44.6 66.8



Abundance Ion 167.90 (167.60 to 168.60): V

Ion 98.90 (98.60 to 99.60): VN

7.65

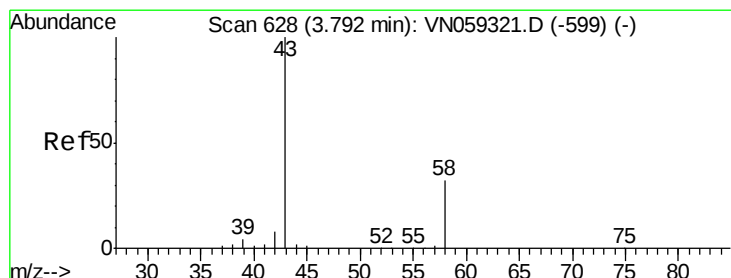
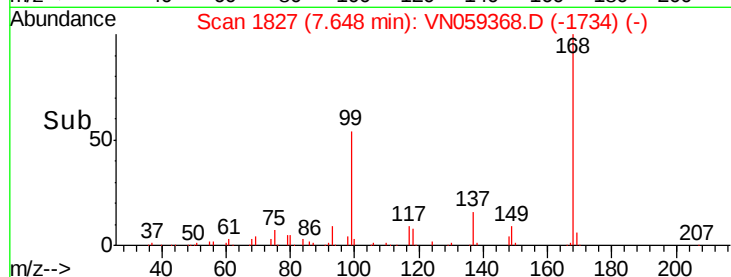
150000

100000

50000

0

Time-->



#16

Acetone

Concen: 0.832 ug/l

RT: 3.79 min Scan# 628

Delta R.T. 0.00 min

Lab File: VN059368.D

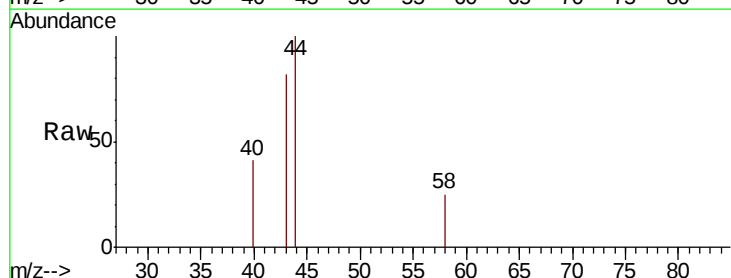
Acq: 22 Nov 2019 16:31

Tgt Ion: 43 Resp: 1601

Ion Ratio Lower Upper

43 100

58 30.8 25.8 38.6



Abundance Ion 43.00 (42.70 to 43.70): VN

Ion 58.00 (57.70 to 58.70): VN

3.79

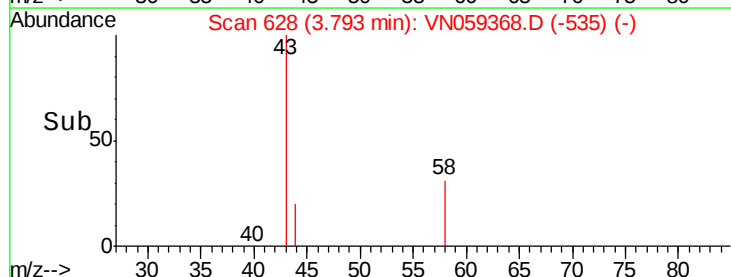
600

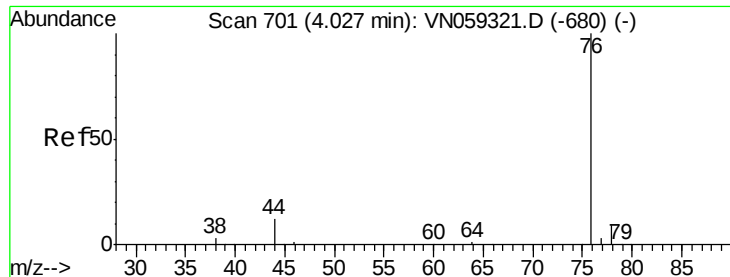
400

200

0

Time-->





#17

Carbon Disulfide

Concen: 0.225 ug/l

RT: 4.03 min Scan# 702

Delta R.T. 0.00 min

Lab File: VN059368.D

Acq: 22 Nov 2019 16:31

Instrument :

MSVOA_N

ClientSampleId :

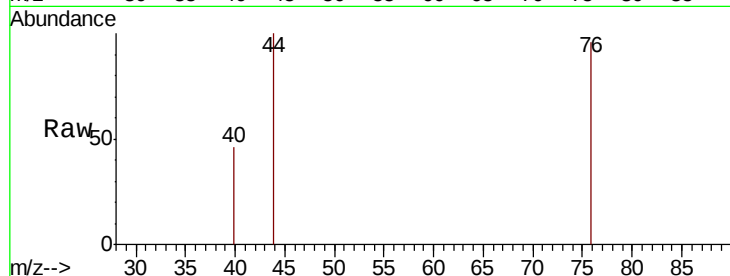
IBLK

Tot Ion: 76 Resp: 1029

Ion Ratio Lower Upper

76 100

78 0.0 7.2 10.8#



Abundance Ion 75.90 (75.60 to 76.60): VNO

Ion 77.90 (77.60 to 78.60): VNO

4.03

500

400

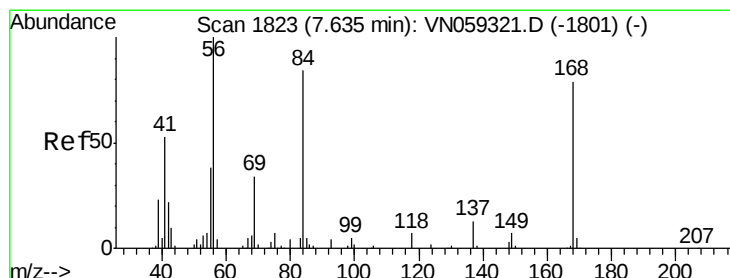
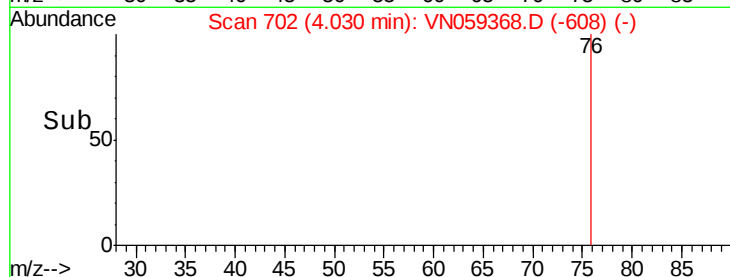
300

200

100

0

Time-->



#31

Cyclohexane

Concen: 0.798 ug/l

RT: 7.64 min Scan# 1826

Delta R.T. 0.01 min

Lab File: VN059368.D

Acq: 22 Nov 2019 16:31

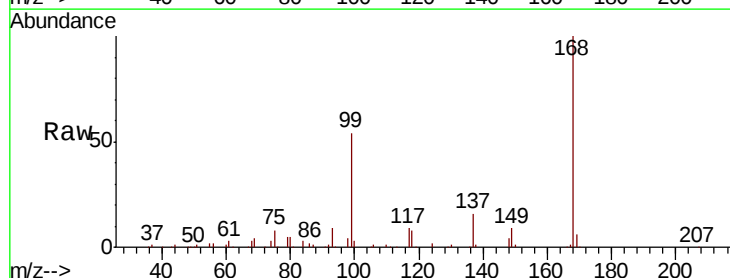
Tgt Ion: 56 Resp: 6032

Ion Ratio Lower Upper

56 100

69 208.9 26.6 40.0#

84 162.4 67.0 100.4#



Abundance Ion 56.00 (55.70 to 56.70): VNO

Ion 69.00 (68.70 to 69.70): VNO

Ion 84.00 (83.70 to 84.70): VNO

8000

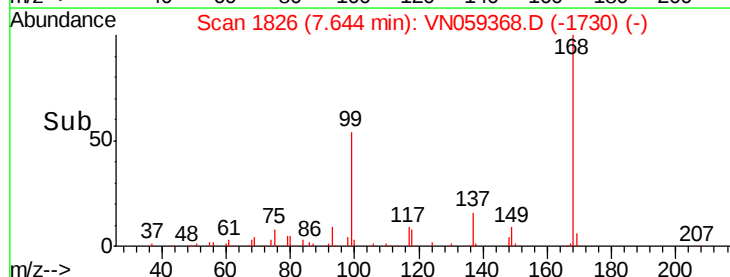
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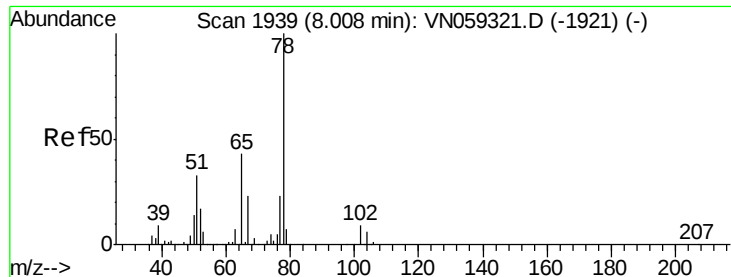
4000

2000

0

Time-->

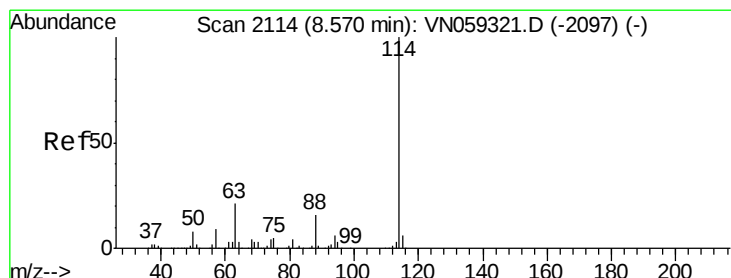
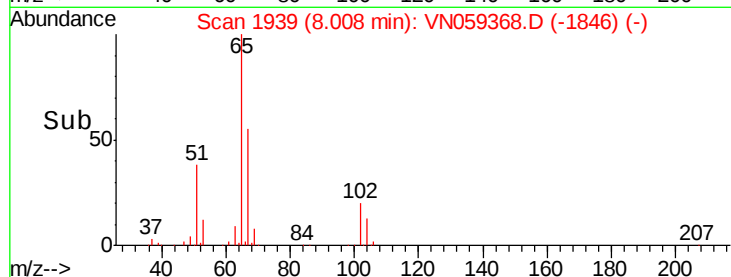
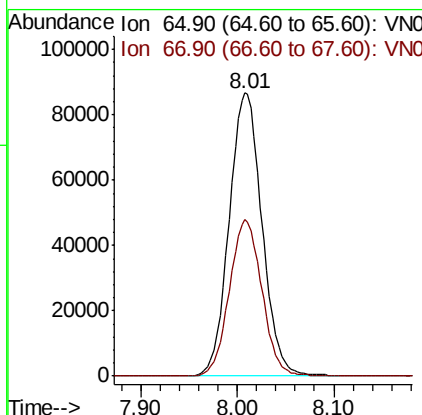
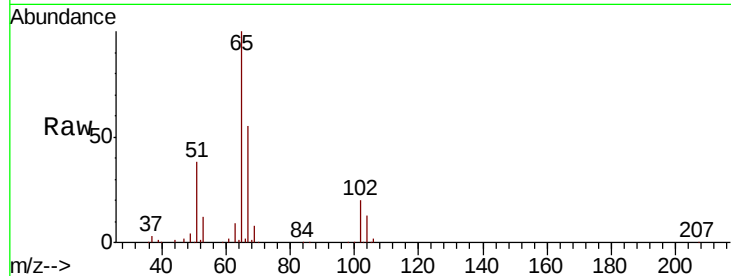




#33
 1,2-Dichloroethane-d4
 Concen: 47.657 ug/l
 RT: 8.01 min Scan# 1939
 Delta R.T. 0.00 min
 Lab File: VN059368.D
 Acq: 22 Nov 2019 16:31

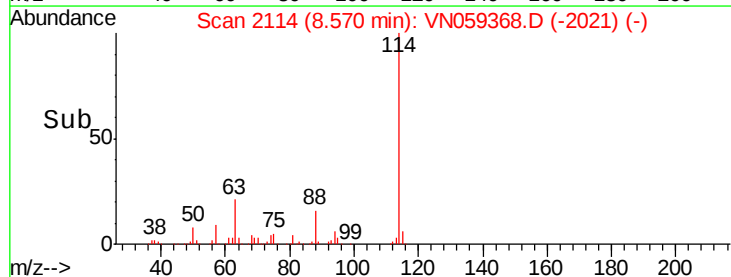
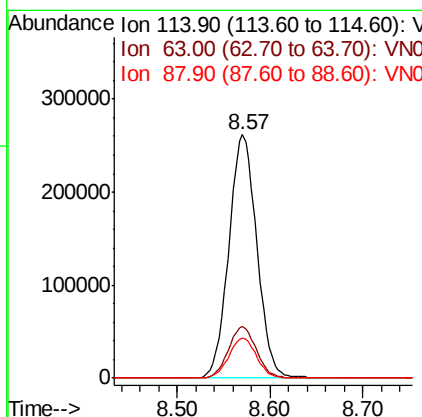
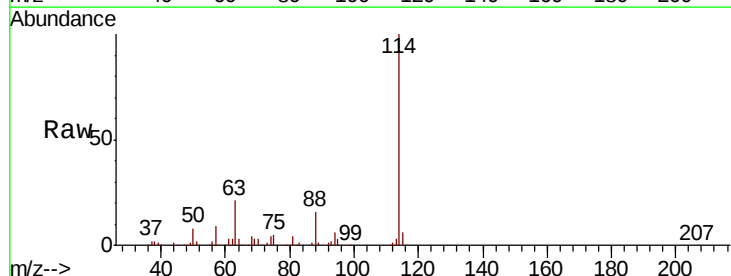
Instrument :
 MSVOA_N
 ClientSampleId :
 IBLK

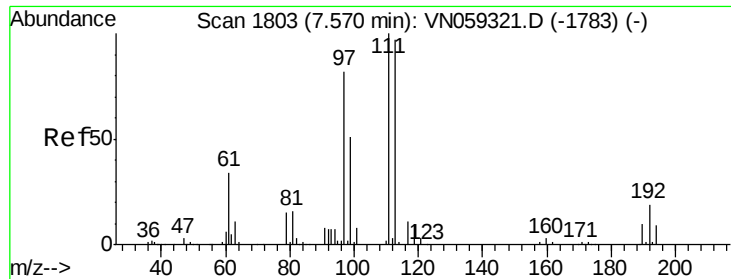
Tot Ion: 65 Resp: 204543
 Ion Ratio Lower Upper
 65 100
 67 54.8 0.0 109.4



#34
 1,4-Difluorobenzene
 Concen: 50.000 ug/l
 RT: 8.57 min Scan# 2114
 Delta R.T. 0.00 min
 Lab File: VN059368.D
 Acq: 22 Nov 2019 16:31

Tgt Ion: 114 Resp: 547460
 Ion Ratio Lower Upper
 114 100
 63 21.1 0.0 42.2
 88 16.3 0.0 32.2

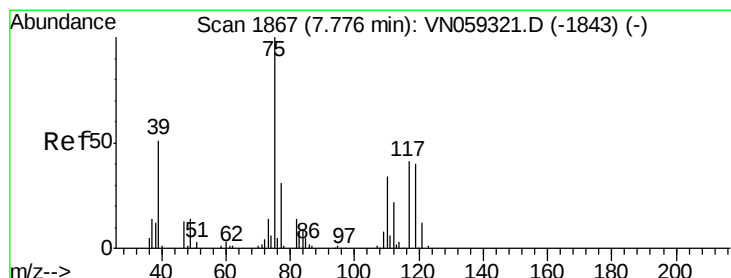
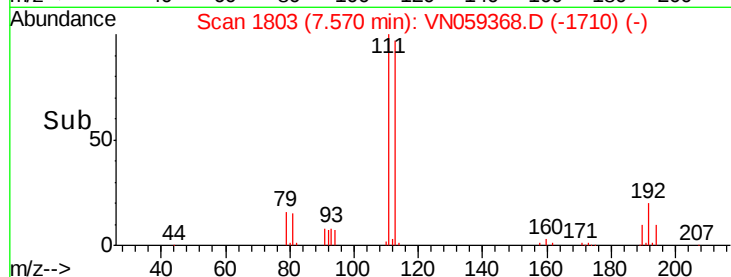
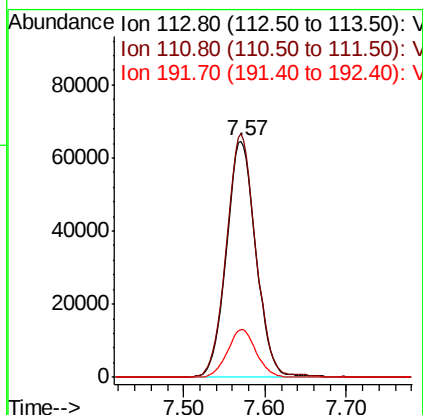
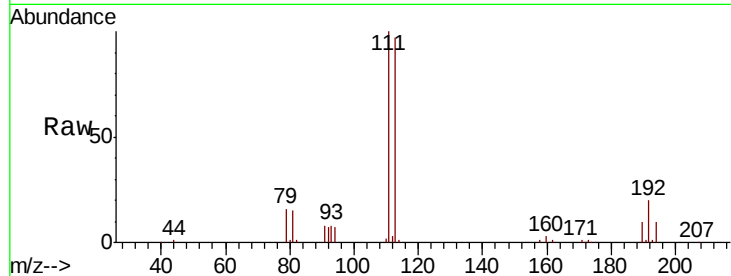




#35
 Dibromofluoromethane
 Concen: 49.835 ug/l
 RT: 7.57 min Scan# 1803
 Delta R.T. 0.00 min
 Lab File: VN059368.D
 Acq: 22 Nov 2019 16:31

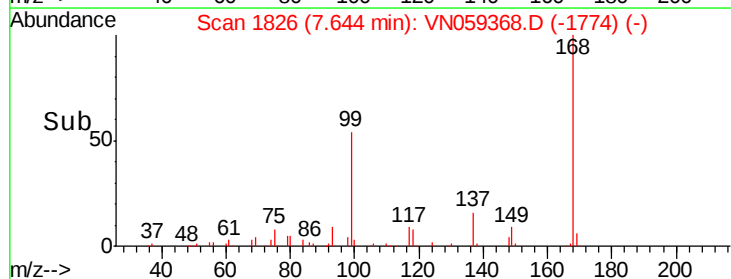
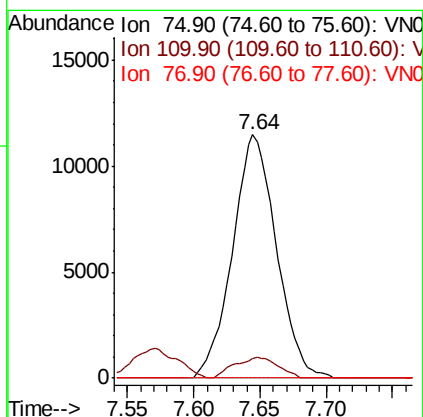
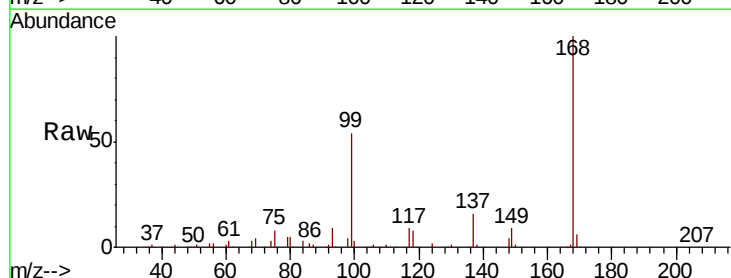
Instrument :
 MSVOA_N
 ClientSampleId :
 IBLK

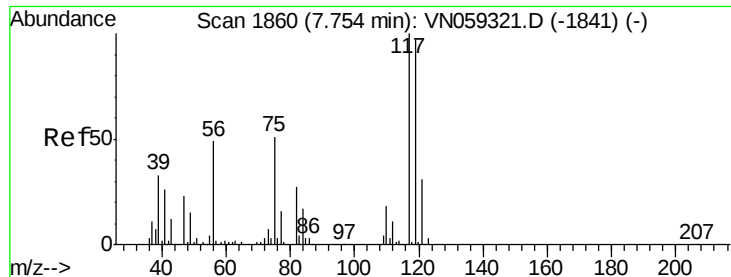
Tot Ion:113 Resp: 163681
 Ion Ratio Lower Upper
 113 100
 111 101.9 82.7 124.1
 192 19.8 16.3 24.5



#36
 1,1-Dichloropropene
 Concen: 4.673 ug/l
 RT: 7.64 min Scan# 1826
 Delta R.T. -0.13 min
 Lab File: VN059368.D
 Acq: 22 Nov 2019 16:31

Tgt Ion: 75 Resp: 26408
 Ion Ratio Lower Upper
 75 100
 110 8.4 17.0 51.0#
 77 0.0 24.8 37.2#

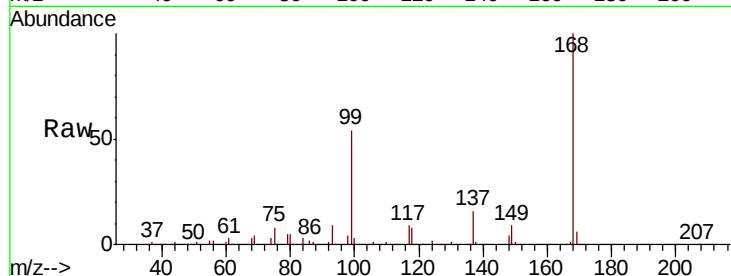




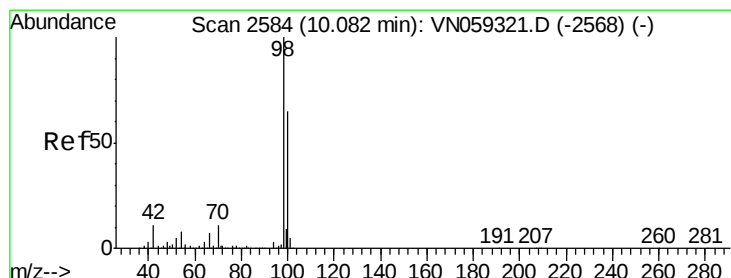
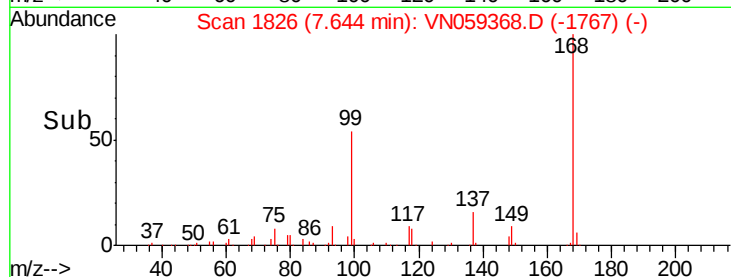
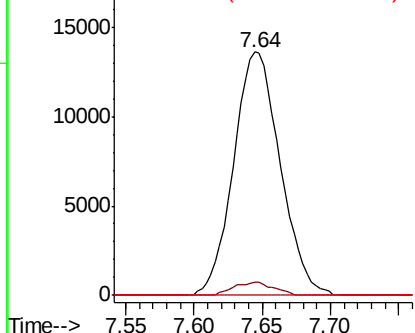
#38
Carbon Tetrachloride
Concen: 5.964 ug/l
RT: 7.64 min Scan# 1826
Delta R.T. -0.11 min
Lab File: VN059368.D
Acq: 22 Nov 2019 16:31

Instrument :
MSVOA_N
ClientSampleId :
IBLK

Tot Ion:117 Resp: 32267
Ion Ratio Lower Upper
117 100
119 5.5 77.0 115.4#
121 0.0 24.4 36.6#

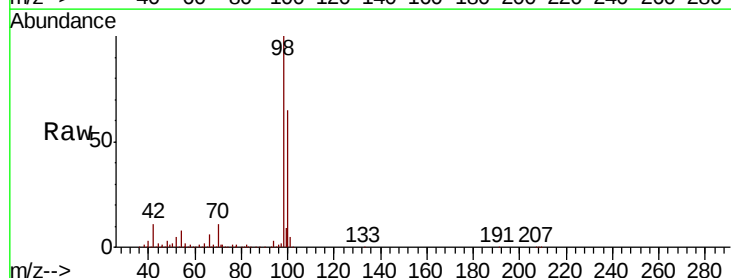


Abundance Ion 116.80 (116.50 to 117.50): V
Ion 118.80 (118.50 to 119.50): V
Ion 120.80 (120.50 to 121.50): V

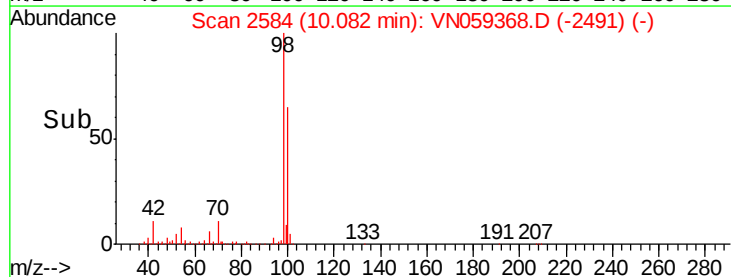
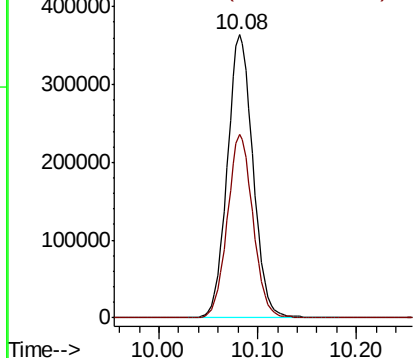


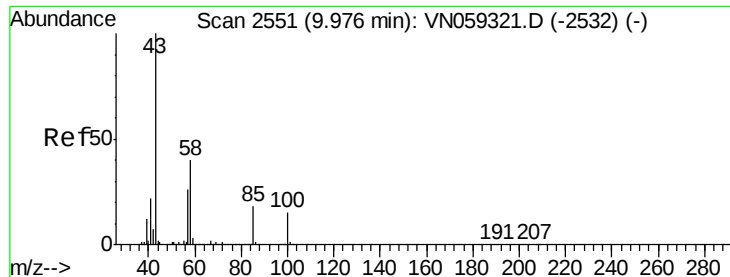
#50
Toluene-d8
Concen: 50.734 ug/l
RT: 10.08 min Scan# 2584
Delta R.T. 0.00 min
Lab File: VN059368.D
Acq: 22 Nov 2019 16:31

Tgt Ion: 98 Resp: 662438
Ion Ratio Lower Upper
98 100
100 64.7 51.7 77.5



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: 0.476 ug/l

RT: 10.08 min Scan# 2585

Delta R.T. 0.11 min

Lab File: VN059368.D

Acq: 22 Nov 2019 16:31

Instrument :

MSVOA_N

ClientSampled :

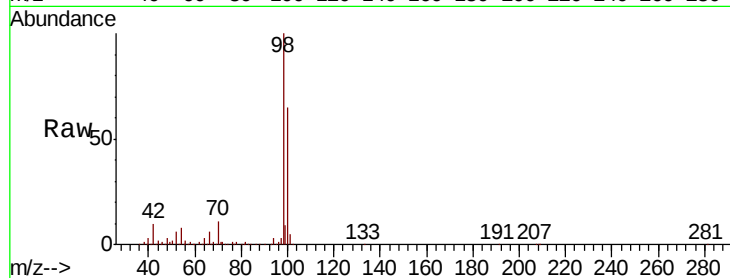
IBLK

Tot Ion: 43 Resp: 2588

Ion Ratio Lower Upper

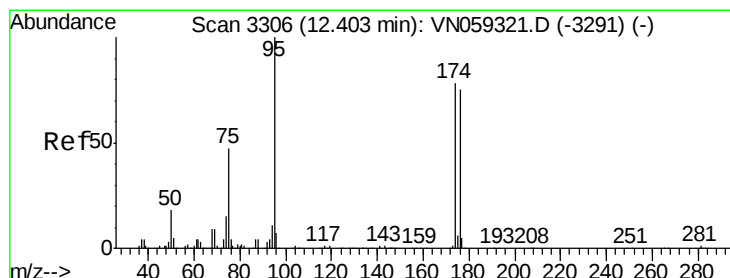
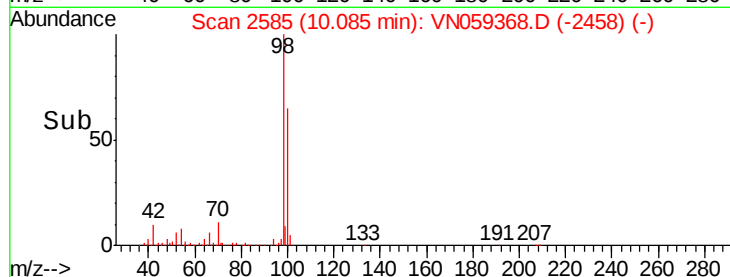
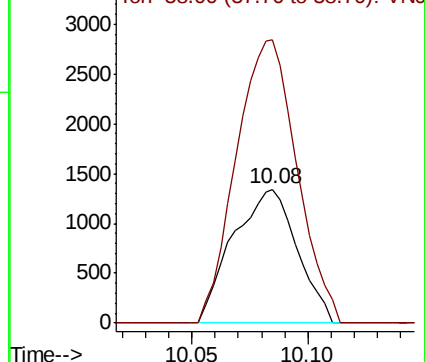
43 100

58 199.5 31.8 47.8#



Abundance Ion 43.00 (42.70 to 43.70): VN0

Ion 58.00 (57.70 to 58.70): VN0



#62

4-Bromofluorobenzene

Concen: 46.250 ug/l

RT: 12.40 min Scan# 3306

Delta R.T. 0.00 min

Lab File: VN059368.D

Acq: 22 Nov 2019 16:31

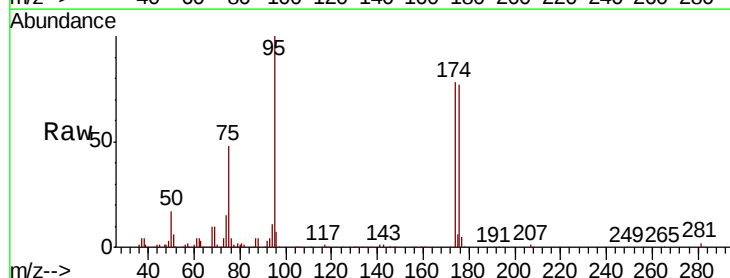
Tgt Ion: 95 Resp: 211154

Ion Ratio Lower Upper

95 100

174 78.9 0.0 157.4

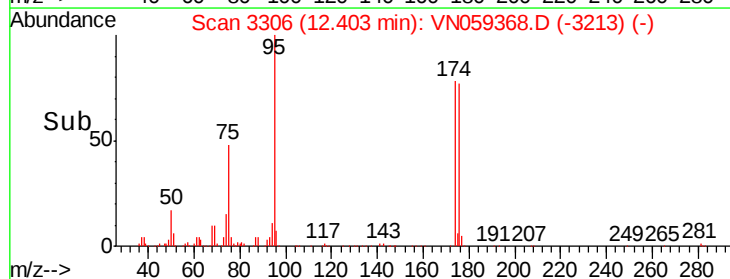
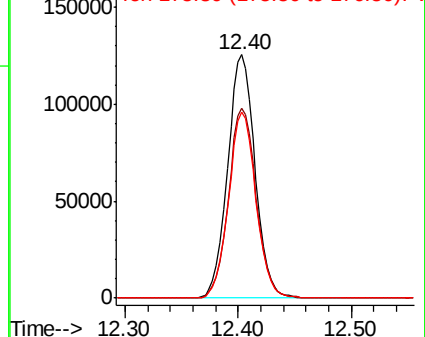
176 76.5 0.0 151.2

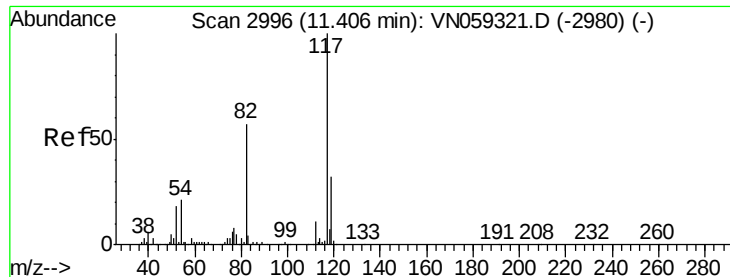


Abundance Ion 94.90 (94.60 to 95.60): VN0

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: 11.40 min Scan# 2995

Delta R.T. -0.00 min

Lab File: VN059368.D

Acq: 22 Nov 2019 16:31

Instrument :

MSVOA_N

ClientSampleId :

IBLK

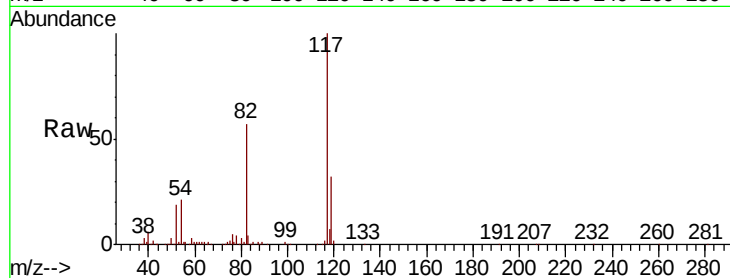
Tot Ion:117 Resp: 468474

Ion Ratio Lower Upper

117 100

82 57.1 45.7 68.5

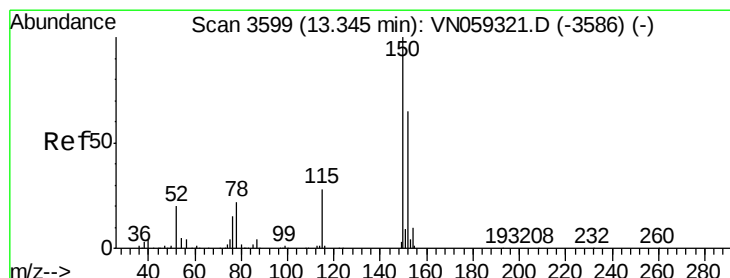
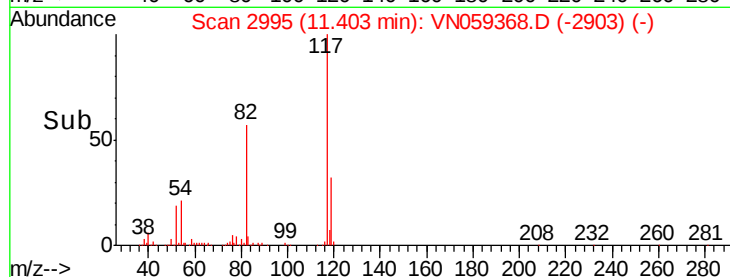
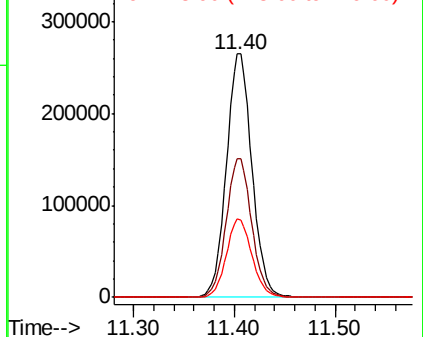
119 32.1 25.8 38.6



Abundance Ion 116.90 (116.60 to 117.60): V

Ion 82.00 (81.70 to 82.70): VN

Ion 118.90 (118.60 to 119.60): V



#72

1,4-Dichlorobenzene-d4

Concen: 50.000 ug/l

RT: 13.35 min Scan# 3599

Delta R.T. 0.00 min

Lab File: VN059368.D

Acq: 22 Nov 2019 16:31

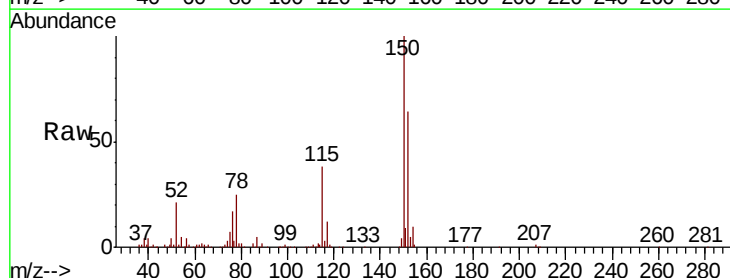
Tgt Ion:152 Resp: 172733

Ion Ratio Lower Upper

152 100

115 58.9 29.3 88.0

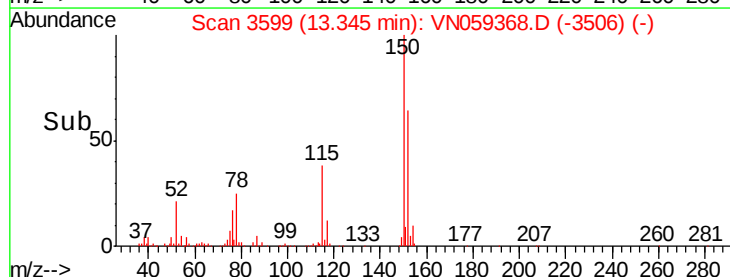
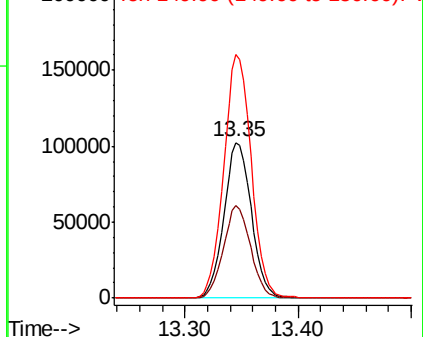
150 156.9 0.0 346.0

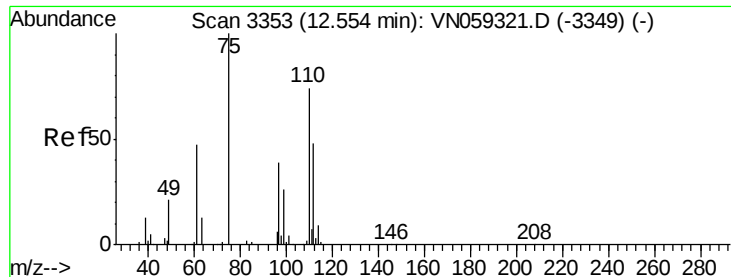


Abundance Ion 151.90 (151.60 to 152.60): V

Ion 114.90 (114.60 to 115.60): V

Ion 149.90 (149.60 to 150.60): V





#76

1,2,3-Trichloropropane

Concen: 25.585 ug/l

RT: 12.40 min Scan# 3306

Delta R.T. -0.15 min

Lab File: VN059368.D

Acq: 22 Nov 2019 16:31

Instrument :

MSVOA_N

ClientSampleId :

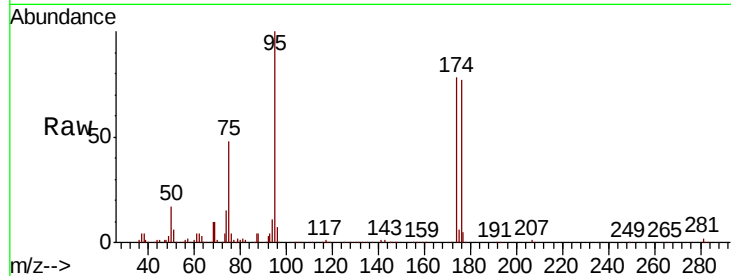
IBLK

Tot Ion: 75 Resp: 102097

Ion Ratio Lower Upper

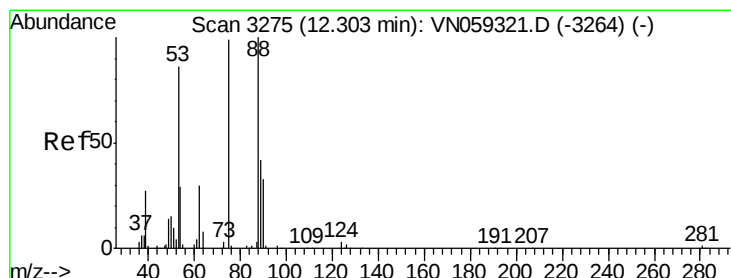
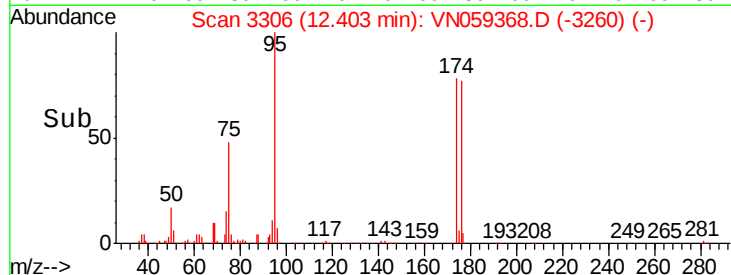
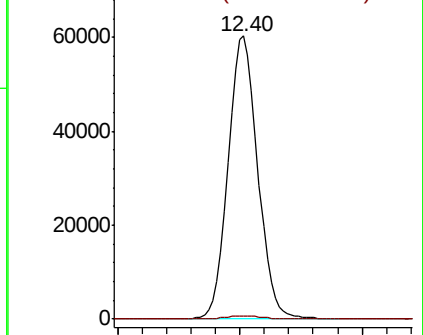
75 100

77 1.4 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: 63.991 ug/l

RT: 12.40 min Scan# 3306

Delta R.T. 0.10 min

Lab File: VN059368.D

Acq: 22 Nov 2019 16:31

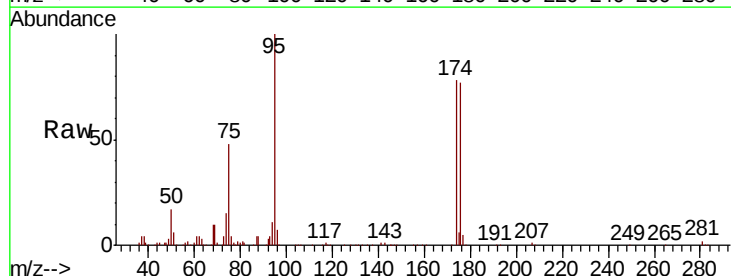
Tgt Ion: 75 Resp: 102097

Ion Ratio Lower Upper

75 100

53 0.0 70.7 106.1#

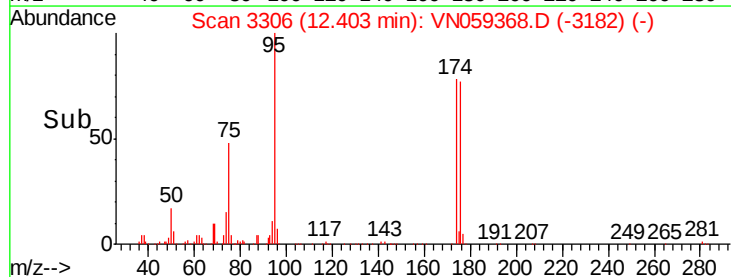
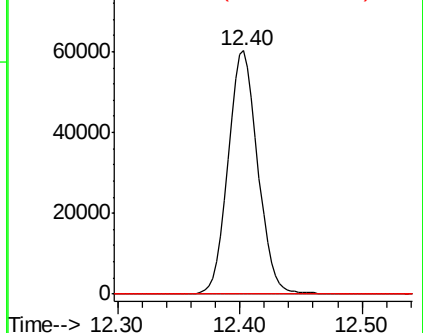
89 0.0 35.4 53.0#

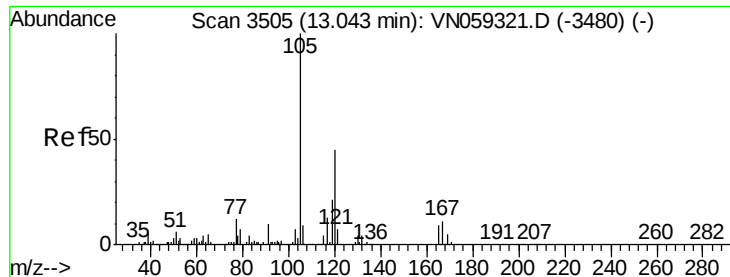


Abundance Ion 74.90 (74.60 to 75.60): VN0

Ion 53.00 (52.70 to 53.70): VN0

Ion 88.90 (88.60 to 89.60): VN0

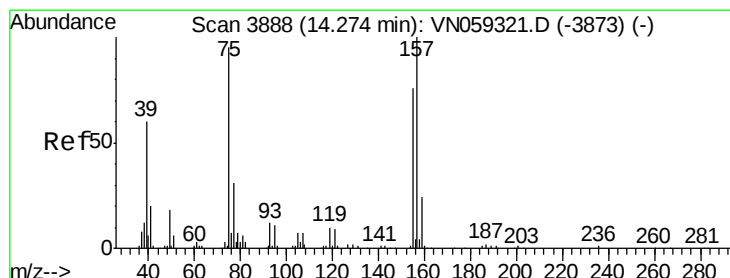
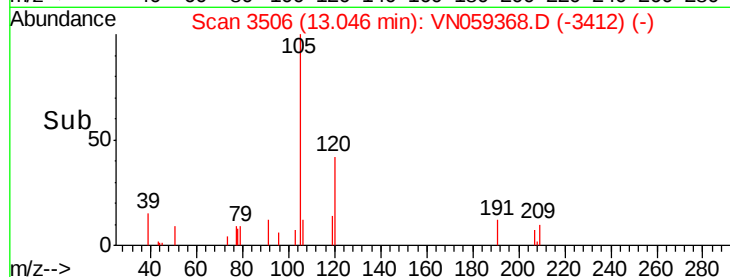
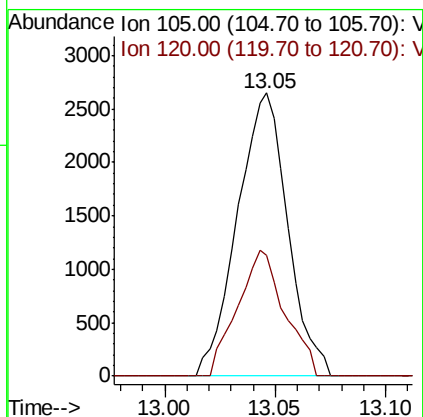
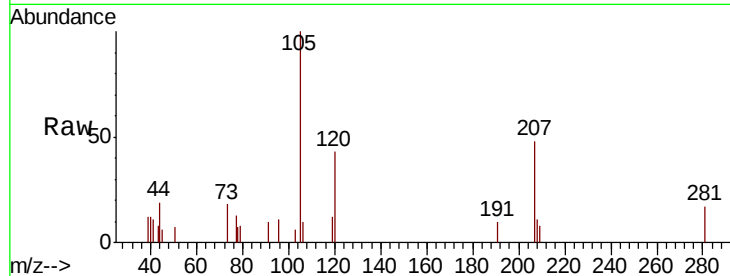




#84
 1,2,4-Trimethylbenzene
 Concen: 0.360 ug/l
 RT: 13.05 min Scan# 3506
 Delta R.T. 0.00 min
 Lab File: VN059368.D
 Acq: 22 Nov 2019 16:31

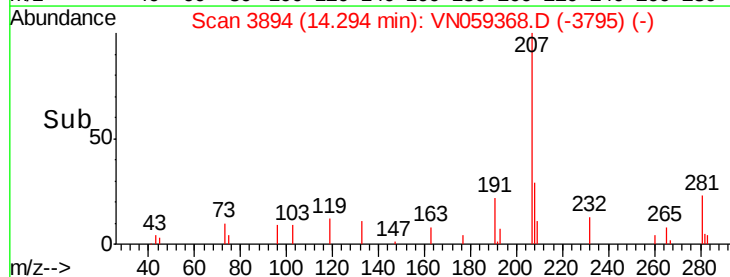
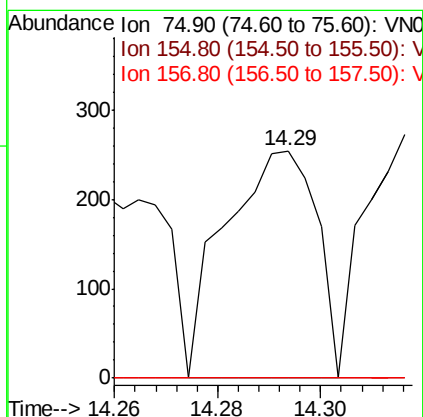
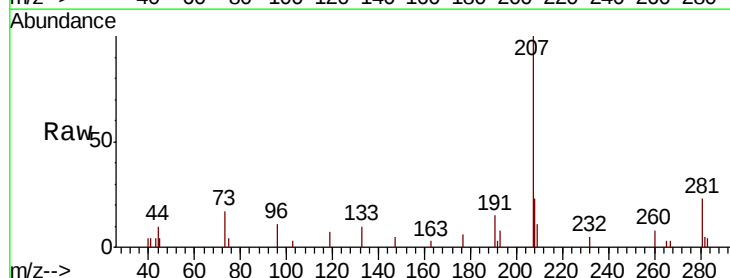
Instrument :
 MSVOA_N
 ClientSampled :
 IBLK

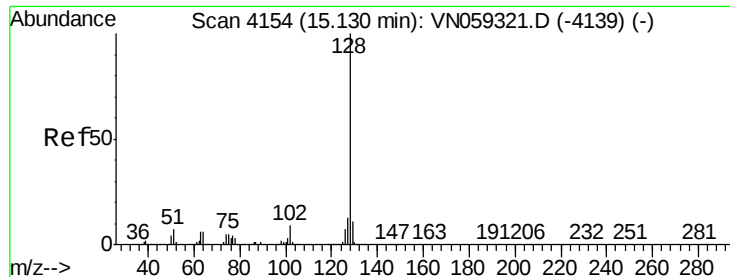
Tot Ion: 105 Resp: 4189
 Ion Ratio Lower Upper
 105 100
 120 41.6 22.6 67.8



#92
 1,2-Dibromo-3-Chloropropane
 Concen: 0.313 ug/l
 RT: 14.29 min Scan# 3894
 Delta R.T. 0.02 min
 Lab File: VN059368.D
 Acq: 22 Nov 2019 16:31

Tgt Ion: 75 Resp: 311
 Ion Ratio Lower Upper
 75 100
 155 0.0 40.5 121.5#
 157 0.0 52.7 158.1#





#95

Naphthalene

Concen: 3.367 ug/l

RT: 15.13 min Scan# 4155

Delta R.T. 0.00 min

Lab File: VN059368.D

Acq: 22 Nov 2019 16:31

Instrument :

MSVOA_N

ClientSampleId :

IBLK

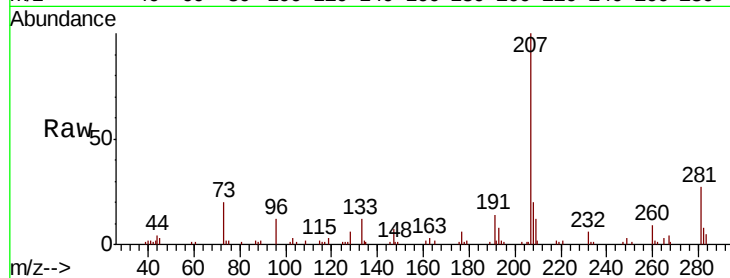
Tot Ion:128 Resp: 2163

Ion Ratio Lower Upper

128 100

127 4.4 10.2 15.2#

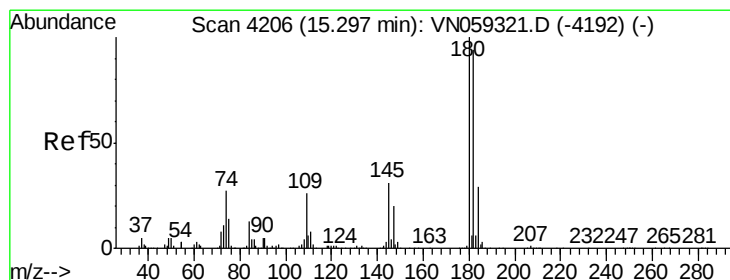
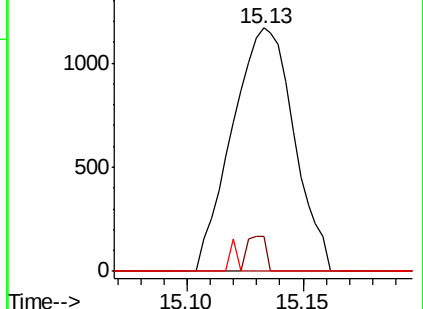
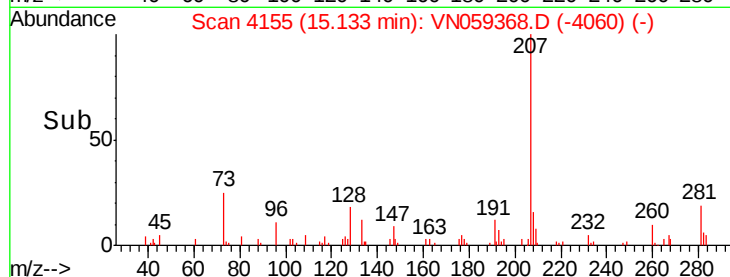
129 1.4 8.6 13.0#



Abundance Ion 128.00 (127.70 to 128.70): V

Ion 127.00 (126.70 to 127.70): V

Ion 129.00 (128.70 to 129.70): V



#96

1,2,3-Trichlorobenzene

Concen: 1.909 ug/l

RT: 15.41 min Scan# 4242

Delta R.T. 0.12 min

Lab File: VN059368.D

Acq: 22 Nov 2019 16:31

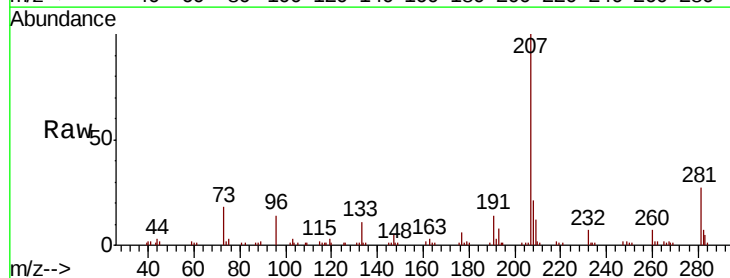
Tgt Ion:180 Resp: 30

Ion Ratio Lower Upper

180 100

182 0.0 47.1 141.4#

145 906.7 15.6 46.8#



Abundance Ion 179.80 (179.50 to 180.50): V

Ion 181.80 (181.50 to 182.50): V

Ion 144.90 (144.60 to 145.60): V

