

Data Path : Z:\VOASRV\HPCHEM1\MSVOA N\DATA\VN110918\
 Data File : VN052246.D
 Acq On : 9 Nov 2018 23:49
 Operator : MD\SY
 Sample : J5903-04
 Misc : 5.00mL/MSVOA N/WATER
 ALS Vial : 24 Sample Multiplier: 28

Instrument :
 MSVOA_N
 ClientSampleId :
 RAV-RAINEY-BEFORE

Quant Time: Nov 12 03:27:10 2018
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_N\METHODS\82N110918W.M
 Quant Title : SW846 8260
 QLast Update : Mon Nov 12 00:34:27 2018
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	7.67	168	325524	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.59	114	543426	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.41	117	448500	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.34	152	151980	50.00	ug/l	0.00

System Monitoring Compounds	R.T.	QIon	Response	Conc	Units	Dev(Min)
33) 1,2-Dichloroethane-d4	8.03	65	213573	47.97	ug/l	0.00
Spiked Amount			Recovery	=	95.94%	
35) Dibromofluoromethane	7.59	113	171985	48.86	ug/l	0.00
Spiked Amount			Recovery	=	97.72%	
50) Toluene-d8	10.09	98	665170	48.28	ug/l	0.00
Spiked Amount			Recovery	=	96.56%	
62) 4-Bromofluorobenzene	12.40	95	194906	43.75	ug/l	0.00
Spiked Amount			Recovery	=	87.50%	

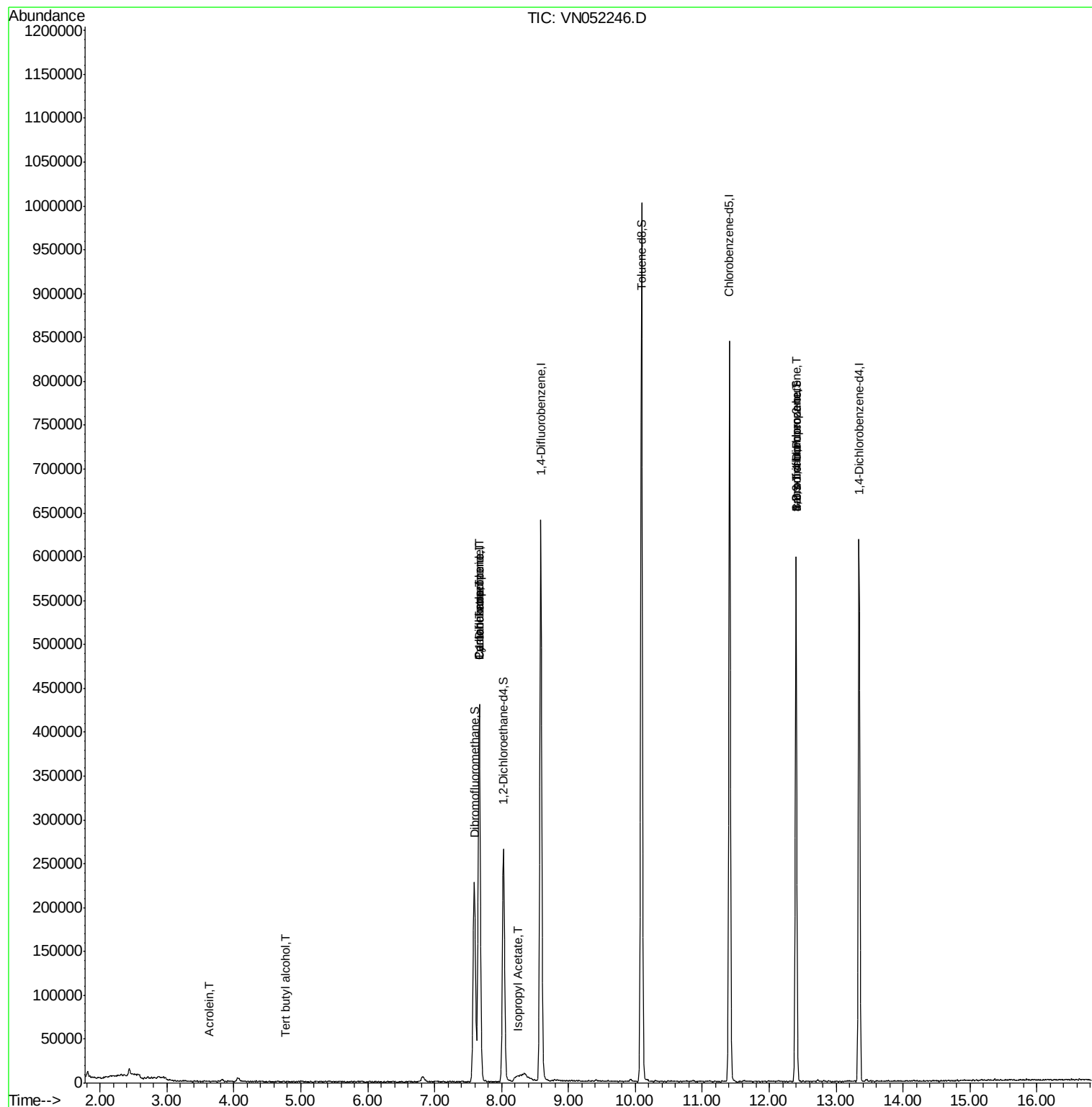
Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
11) Tert butyl alcohol	4.79	59	102	0.447	ug/l #	71
13) Acrolein	3.62	56	61	34.248	ug/l #	68
16) Acetone	3.82	43	1662	Below Cal		96
31) Cyclohexane	7.66	56	9146	0.647	ug/l #	18
36) 1,1-Dichloropropene	7.67	75	29162	5.317	ug/l #	49
38) Carbon Tetrachloride	7.67	117	34177	6.876	ug/l #	16
43) Isopropyl Acetate	8.23	43	6667	0.927	ug/l #	64
71) Bromoform	12.40	173	1075	0.560	ug/l #	1
76) 1,2,3-Trichloropropane	12.40	75	104491	38.860	ug/l #	100
81) trans-1,4-Dichloro-2-buten	12.40	75	104491	132.646	ug/l #	8

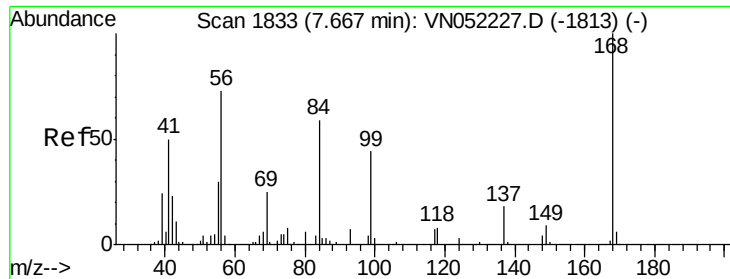
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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Quant Method : Z:\V0ASRV\HPCHEM1\MSVOA_N\METHODS\82N110918W.M
Quant Title : SW846 8260
QLast Update : Mon Nov 12 00:34:27 2018
Response via : Initial Calibration





#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 7.67 min Scan# 1833

Delta R.T. 0.00 min

Lab File: VN052246.D

Acq: 9 Nov 2018 23:49

Instrument :

MSVOA_N

ClientSampleId :

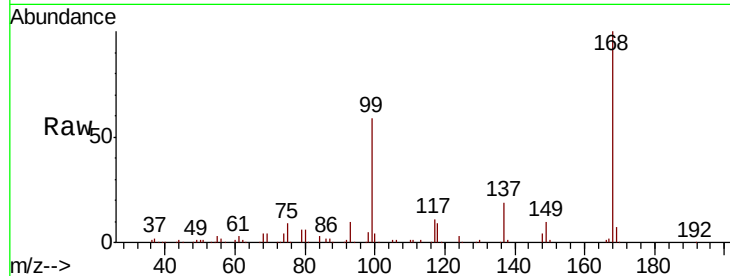
RAV-RAINEY-BEFORE

Tot Ion:168 Resp: 325524

Ion Ratio Lower Upper

168 100

99 58.9 44.7 67.1



Abundance Ion 167.90 (167.60 to 168.60): VN052227.D (-1813) (-)

Ion 98.90 (98.60 to 99.60): VN052227.D (-1813) (-)

7.67

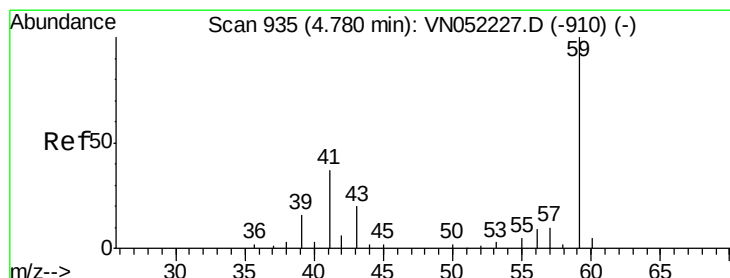
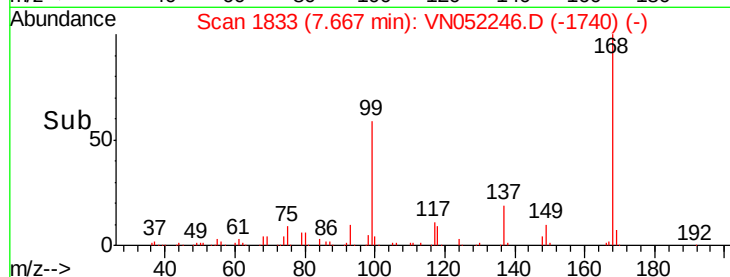
150000

100000

50000

0

Time-->



#11

Tert butyl alcohol

Concen: 0.447 ug/l

RT: 4.79 min Scan# 937

Delta R.T. 0.01 min

Lab File: VN052246.D

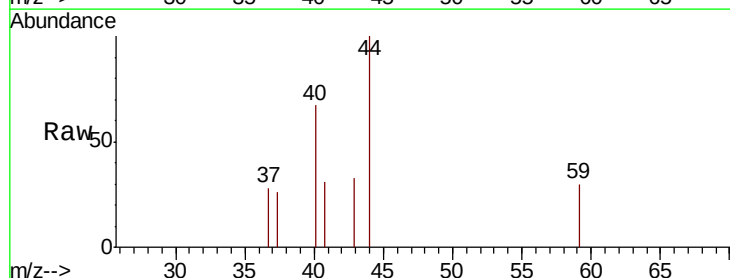
Acq: 9 Nov 2018 23:49

Tgt Ion: 59 Resp: 102

Ion Ratio Lower Upper

59 100

57 0.0 8.8 13.2#



Abundance Ion 59.00 (58.70 to 59.70): VN052227.D (-910) (-)

Ion 57.00 (56.70 to 57.70): VN052227.D (-910) (-)

4.79

200

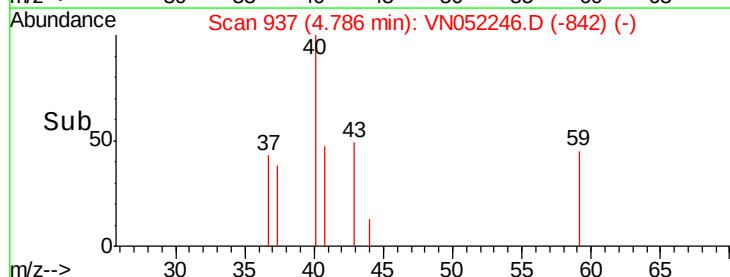
150

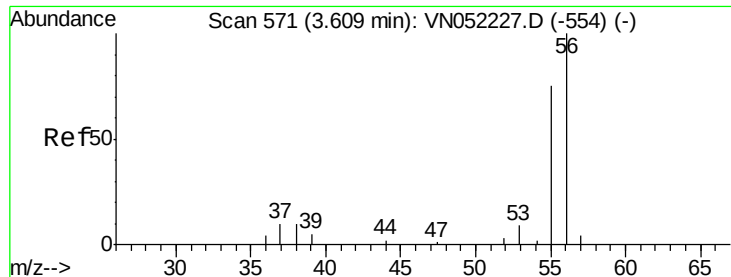
100

50

0

Time-->





#13

Acrolein

Concen: 34.248 ug/l

RT: 3.62 min Scan# 575

Delta R.T. 0.01 min

Lab File: VN052246.D

Acq: 9 Nov 2018 23:49

Instrument :

MSVOA_N

ClientSampleId :

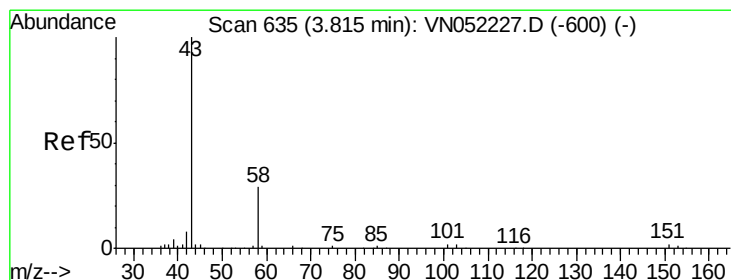
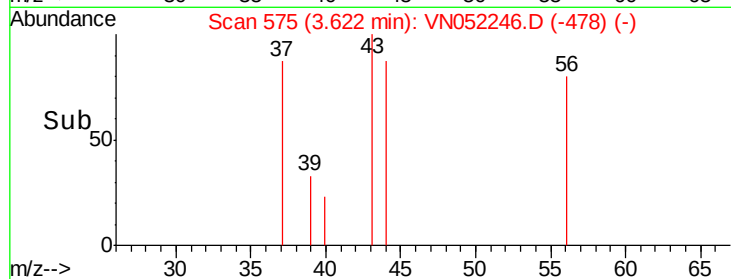
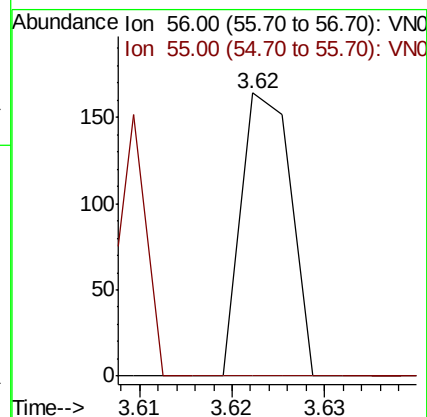
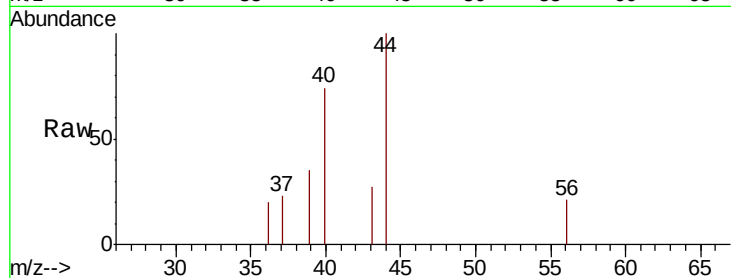
RAV-RAINEY-BEFORE

Tot Ion: 56 Resp: 61

Ion Ratio Lower Upper

56 100

55 47.5 59.9 89.9#



#16

Acetone

Concen: Below Cal

RT: 3.82 min Scan# 636

Delta R.T. 0.00 min

Lab File: VN052246.D

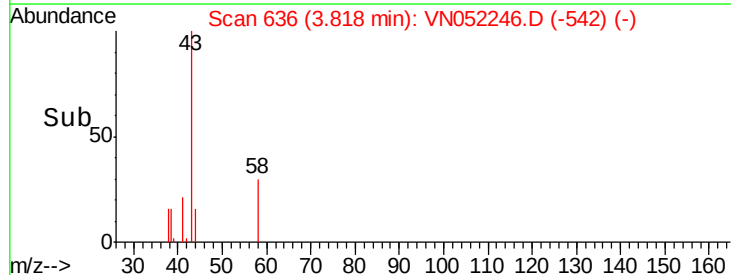
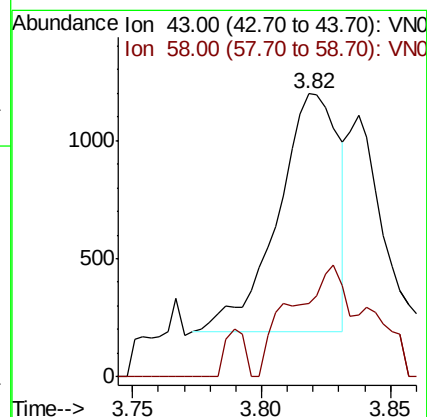
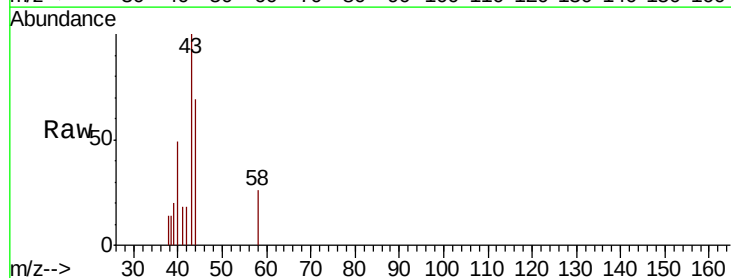
Acq: 9 Nov 2018 23:49

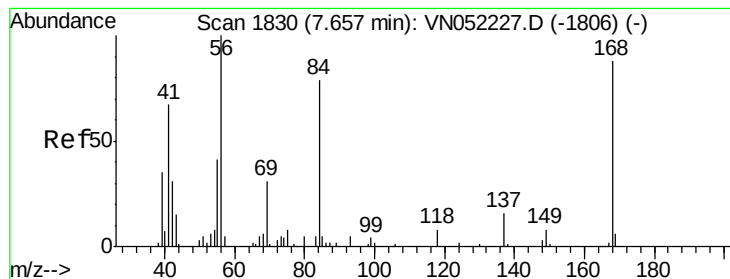
Tgt Ion: 43 Resp: 1662

Ion Ratio Lower Upper

43 100

58 31.1 23.0 34.6





#31

Cyclohexane

Concen: 0.647 ug/l

RT: 7.66 min Scan# 1831

Delta R.T. 0.00 min

Lab File: VN052246.D

Acq: 9 Nov 2018 23:49

Instrument :

MSVOA_N

ClientSampleId :

RAV-RAINEY-BEFORE

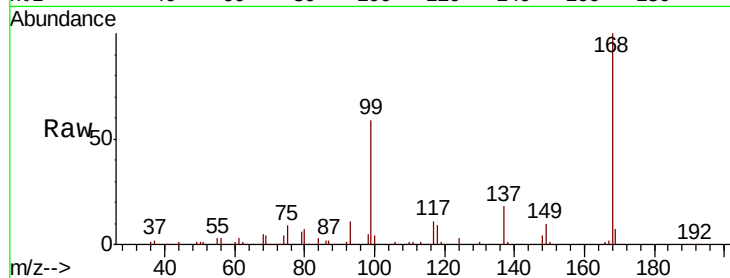
Tot Ion: 56 Resp: 9146

Ion Ratio Lower Upper

56 100

69 140.5 24.8 37.2#

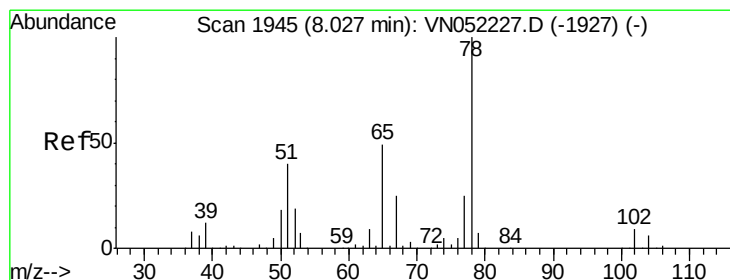
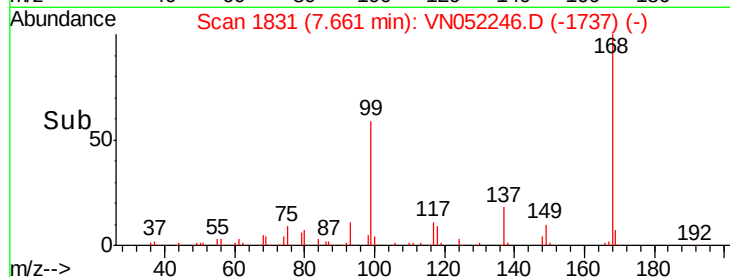
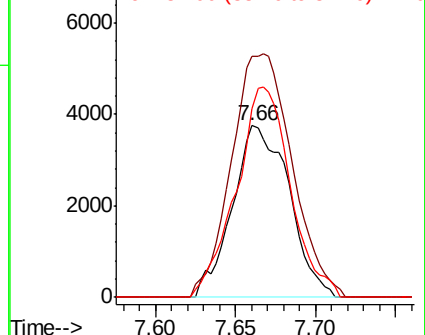
84 110.0 63.1 94.7#



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: Below ug/l

RT: 8.03 min Scan# 1945

Delta R.T. 0.00 min

Lab File: VN052246.D

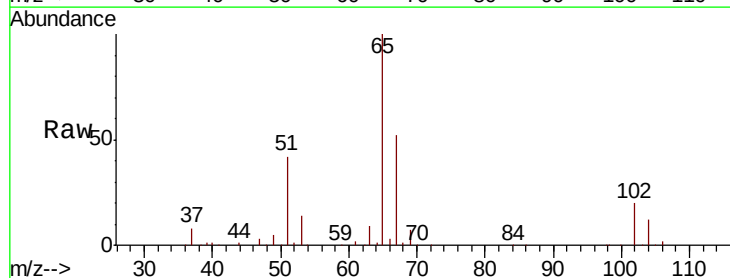
Acq: 9 Nov 2018 23:49

Tgt Ion: 65 Resp: 213573

Ion Ratio Lower Upper

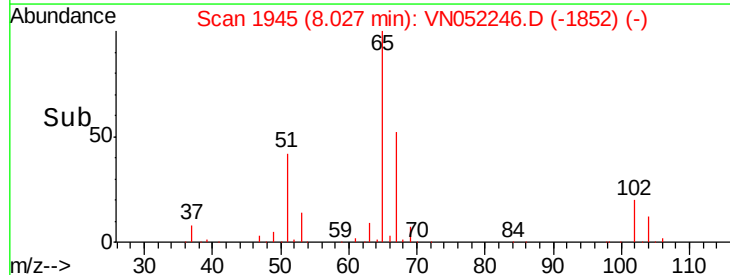
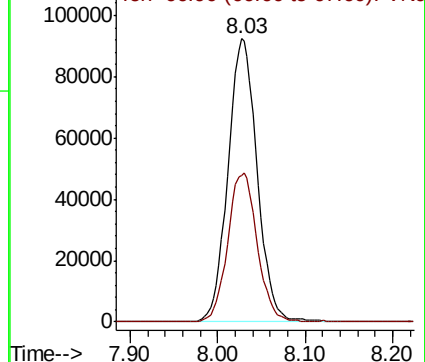
65 100

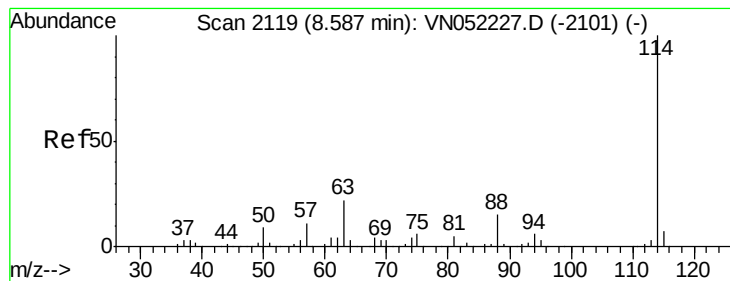
67 53.1 0.0 106.6



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: 8.59 min Scan# 2119

Delta R.T. 0.00 min

Lab File: VN052246.D

Acq: 9 Nov 2018 23:49

Instrument :

MSVOA_N

ClientSampleId :

RAV-RAINEY-BEFORE

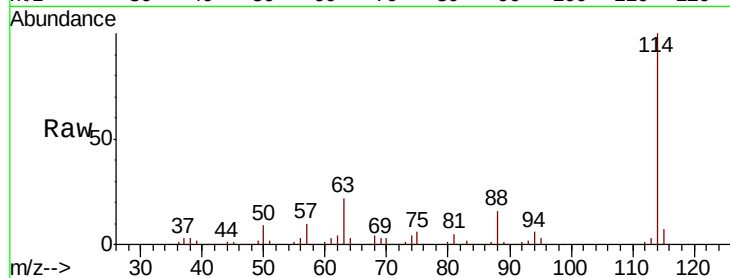
Tot Ion:114 Resp: 543426

Ion Ratio Lower Upper

114 100

63 22.4 0.0 43.4

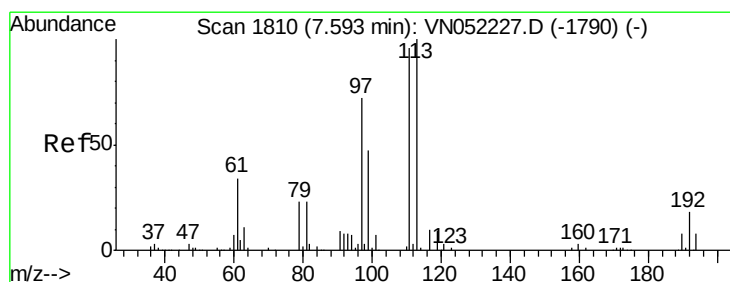
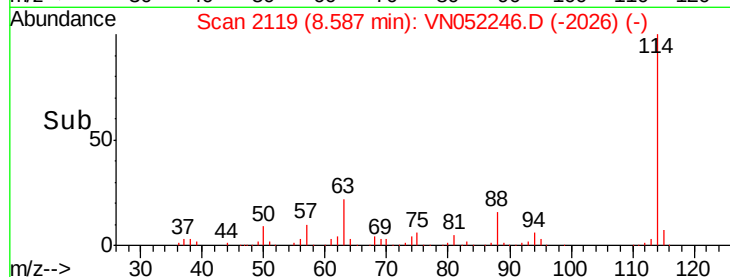
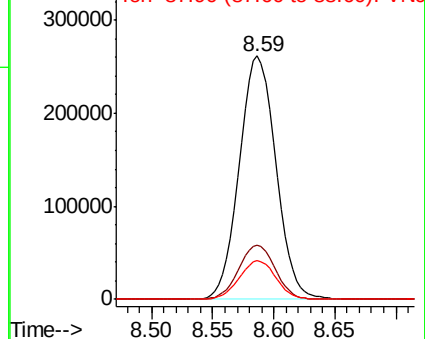
88 16.0 0.0 30.2



Abundance Ion 113.90 (113.60 to 114.60): V

Ion 63.00 (62.70 to 63.70): VN0

Ion 87.90 (87.60 to 88.60): VN0



#35

Dibromofluoromethane

Concen: 50.000 ug/l

RT: 7.59 min Scan# 1810

Delta R.T. 0.00 min

Lab File: VN052246.D

Acq: 9 Nov 2018 23:49

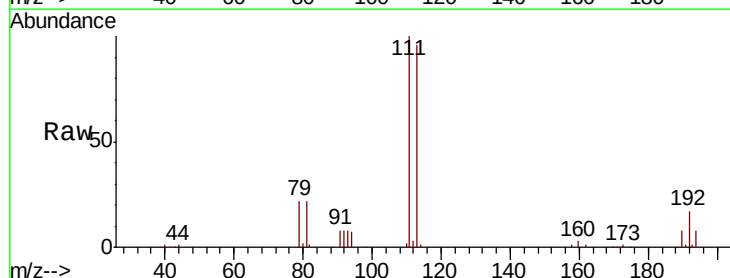
Tgt Ion:113 Resp: 171985

Ion Ratio Lower Upper

113 100

111 100.7 80.2 120.4

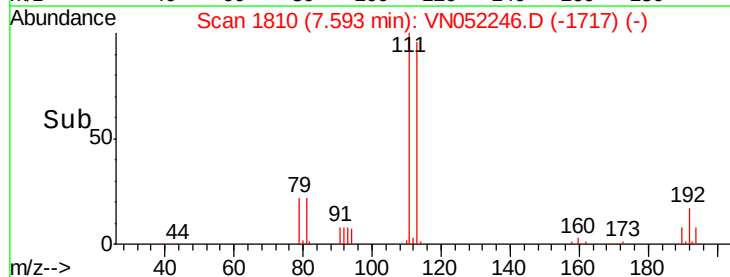
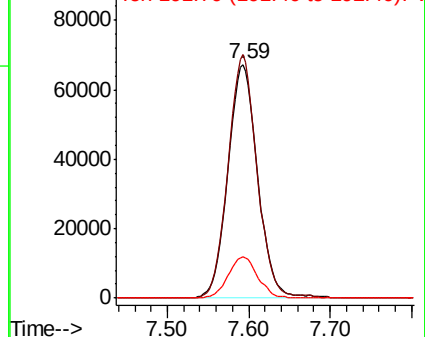
192 17.4 14.1 21.1

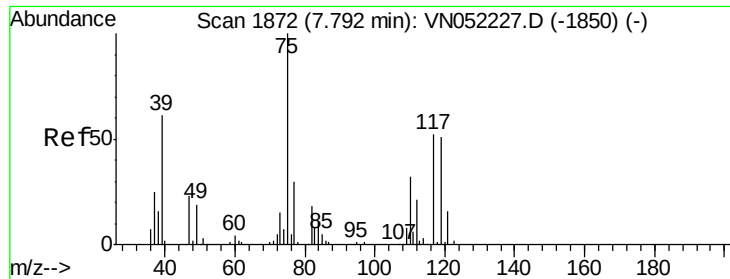


Abundance Ion 112.80 (112.50 to 113.50): V

Ion 110.80 (110.50 to 111.50): V

Ion 191.70 (191.40 to 192.40): V

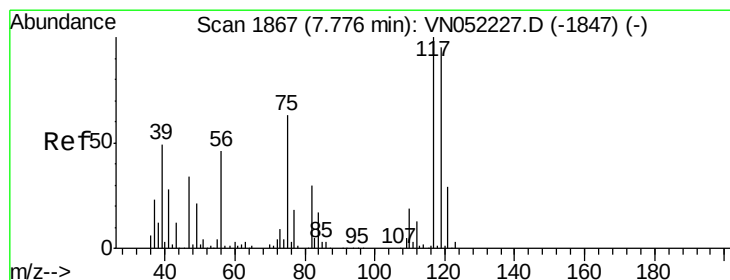
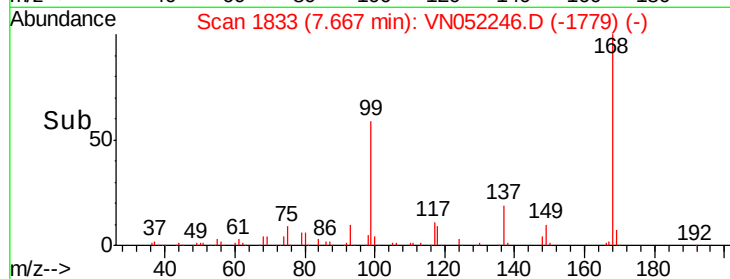
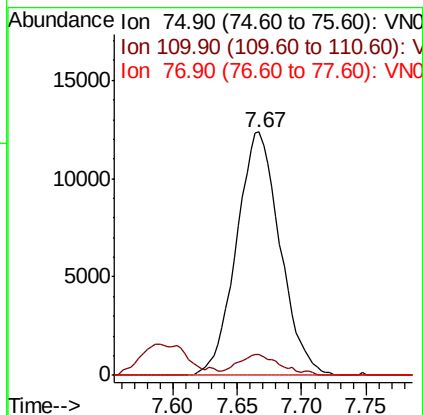
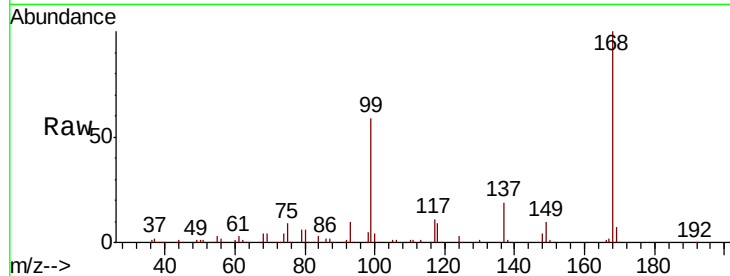




#36
 1,1-Dichloropropene
 Concen: 5.317 ug/l
 RT: 7.67 min Scan# 1833
 Delta R.T. -0.13 min
 Lab File: VN052246.D
 Acq: 9 Nov 2018 23:49

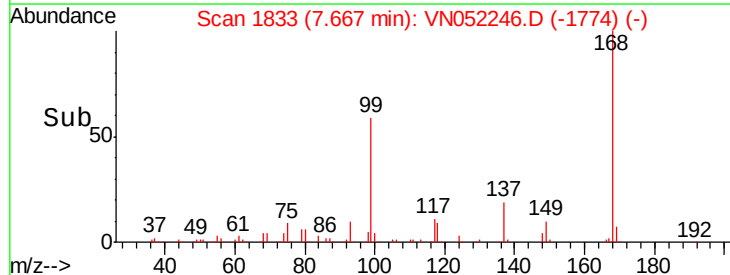
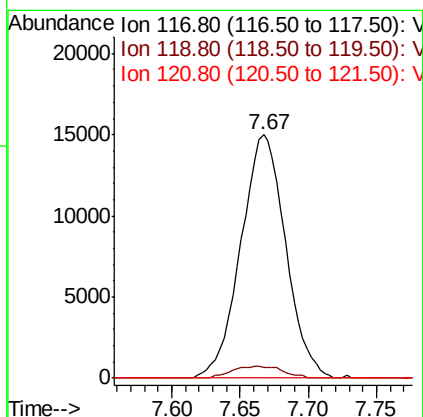
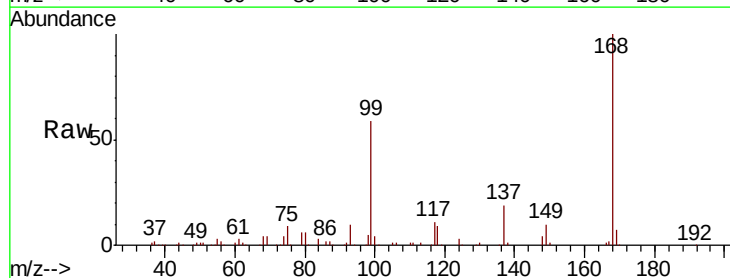
Instrument :
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 ClientSampleId :
 RAV-RAINEY-BEFORE

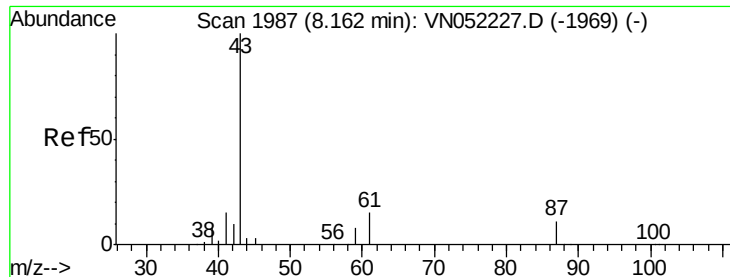
Tot Ion: 75 Resp: 29162
 Ion Ratio Lower Upper
 75 100
 110 6.2 16.4 49.4#
 77 0.0 23.9 35.9#



#38
 Carbon Tetrachloride
 Concen: 6.876 ug/l
 RT: 7.67 min Scan# 1833
 Delta R.T. -0.11 min
 Lab File: VN052246.D
 Acq: 9 Nov 2018 23:49

Tgt Ion: 117 Resp: 34177
 Ion Ratio Lower Upper
 117 100
 119 4.5 75.8 113.8#
 121 0.0 23.4 35.2#





#43

Isopropyl Acetate

Concen: 0.927 ug/l

RT: 8.23 min Scan# 2009

Delta R.T. 0.07 min

Lab File: VN052246.D

Acq: 9 Nov 2018 23:49

Instrument :

MSVOA_N

ClientSampleId :

RAV-RAINEY-BEFORE

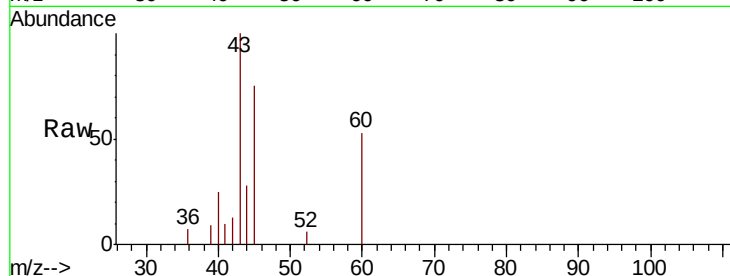
Tot Ion: 43 Resp: 6667

Ion Ratio Lower Upper

43 100

61 0.0 14.2 21.4#

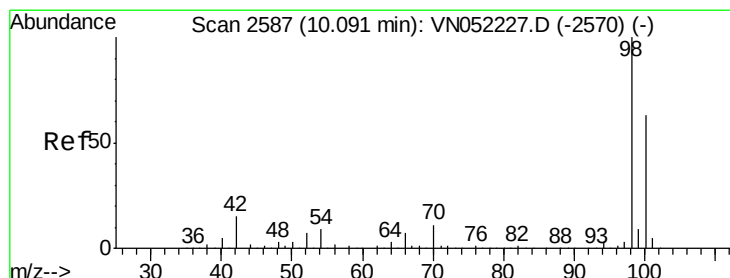
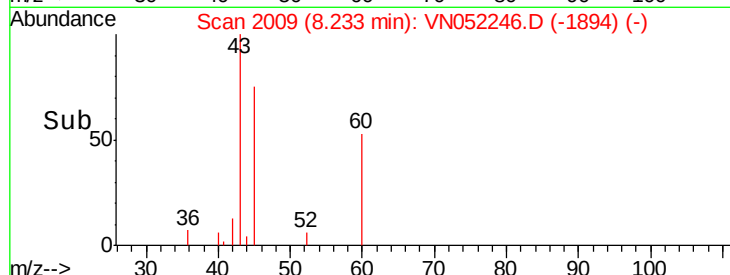
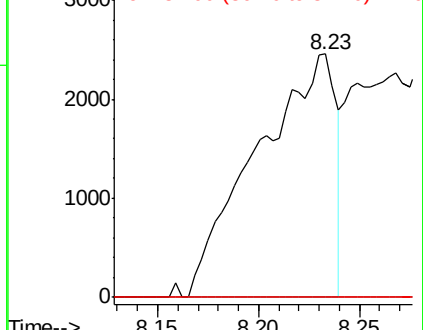
87 0.0 8.4 12.6#



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: N.D. ug/l

RT: 10.09 min Scan# 2587

Delta R.T. 0.00 min

Lab File: VN052246.D

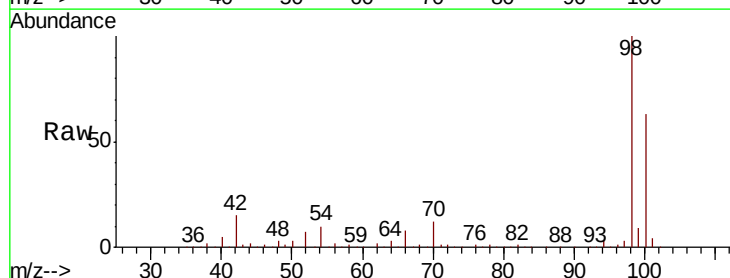
Acq: 9 Nov 2018 23:49

Tgt Ion: 98 Resp: 665170

Ion Ratio Lower Upper

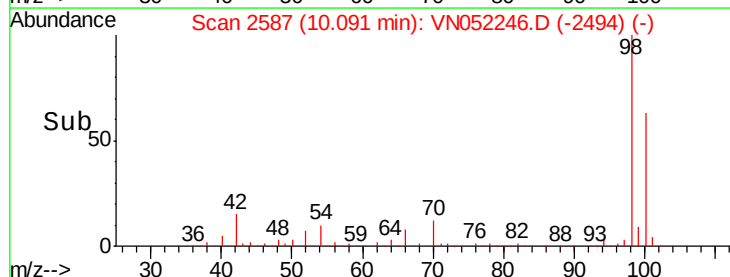
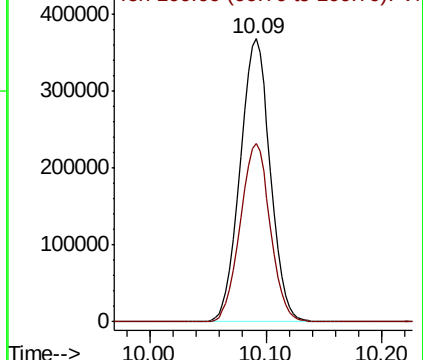
98 100

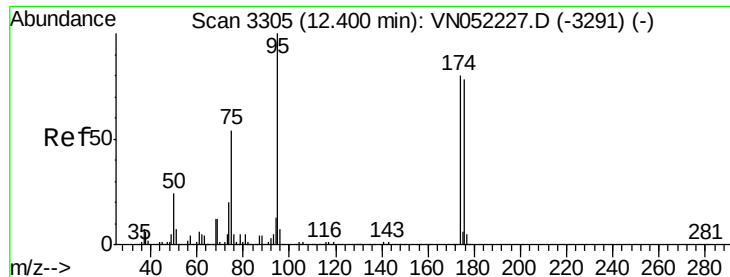
100 63.0 50.2 75.2



Abundance Ion 98.00 (97.70 to 98.70): VN0

Ion 100.00 (99.70 to 100.70): VN0





#62

4-Bromofluorobenzene

Concen: N.D. ug/l

RT: 12.40 min Scan# 3305

Delta R.T. 0.00 min

Lab File: VN052246.D

Acq: 9 Nov 2018 23:49

Instrument :

MSVOA_N

ClientSampleId :

RAV-RAINEY-BEFORE

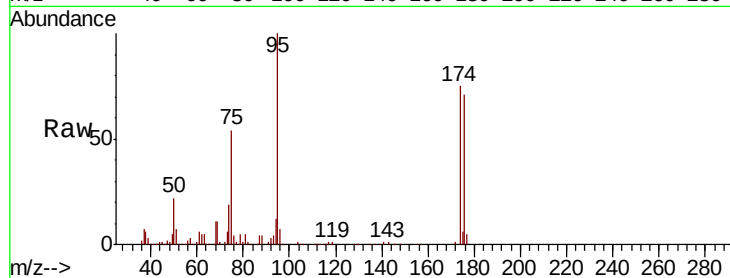
Tot Ion: 95 Resp: 194906

Ion Ratio Lower Upper

95 100

174 75.5 0.0 159.4

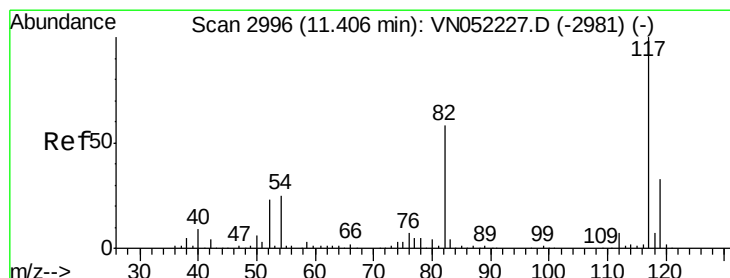
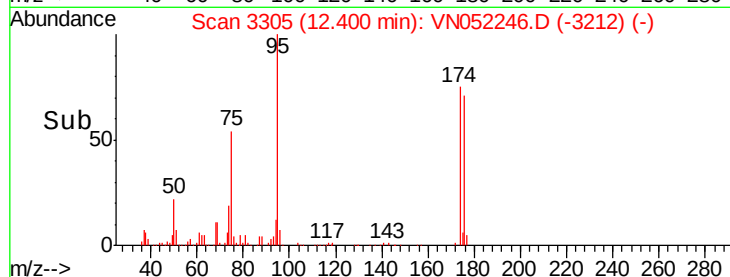
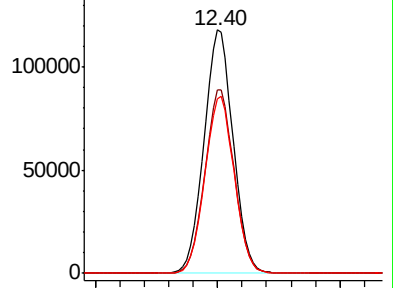
176 73.1 0.0 157.8



Abundance Ion 94.90 (94.60 to 95.60): VN052227.D (-3291) (-)

Ion 173.80 (173.50 to 174.50): VN052227.D (-3291) (-)

Ion 175.80 (175.50 to 176.50): VN052227.D (-3291) (-)



#63

Chlorobenzene-d5

Concen: 50.000 ug/l

RT: 11.41 min Scan# 2996

Delta R.T. 0.00 min

Lab File: VN052246.D

Acq: 9 Nov 2018 23:49

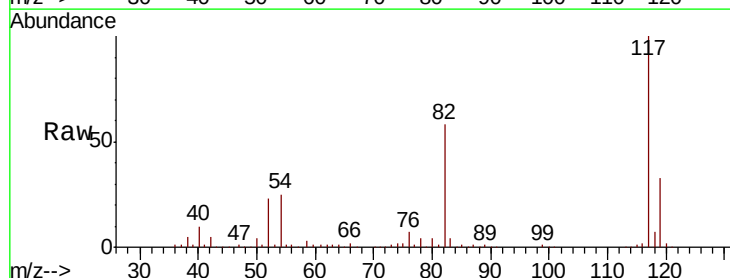
Tgt Ion: 117 Resp: 448500

Ion Ratio Lower Upper

117 100

82 58.3 46.2 69.2

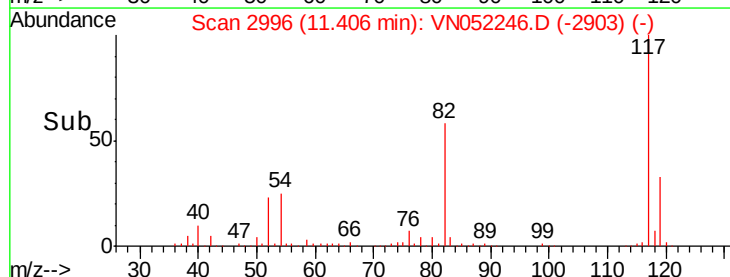
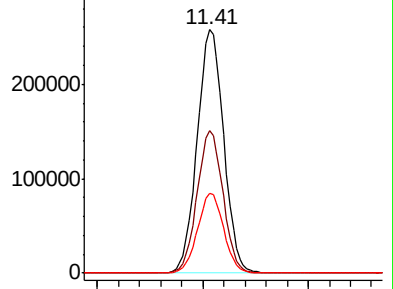
119 32.5 26.2 39.4

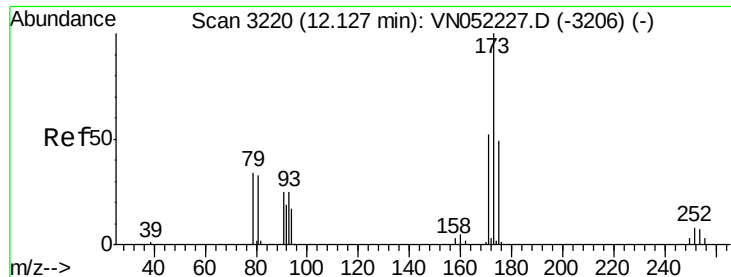


Abundance Ion 116.90 (116.60 to 117.60): VN052227.D (-2981) (-)

Ion 82.00 (81.70 to 82.70): VN052227.D (-2981) (-)

Ion 118.90 (118.60 to 119.60): VN052227.D (-2981) (-)





#71

Bromoform

Concen: 0.560 ug/l

RT: 12.40 min Scan# 3304

Delta R.T. 0.27 min

Lab File: VN052246.D

Acq: 9 Nov 2018 23:49

Instrument :

MSVOA_N

ClientSampleId :

RAV-RAINEY-BEFORE

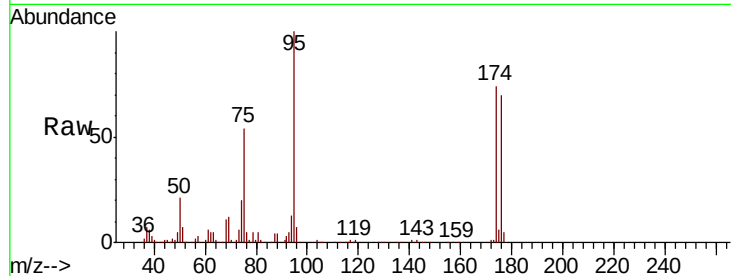
Tot Ion:173 Resp: 1075

Ion Ratio Lower Upper

173 100

175 969.2 24.5 73.5#

254 0.0 0.0 0.0

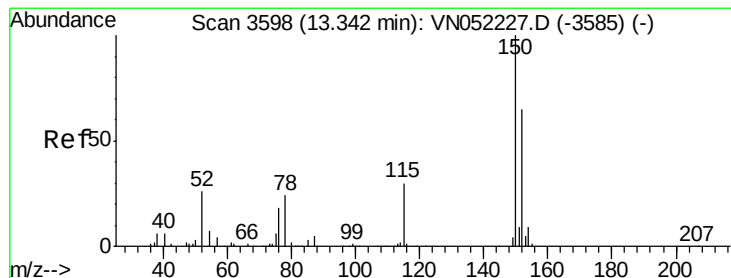
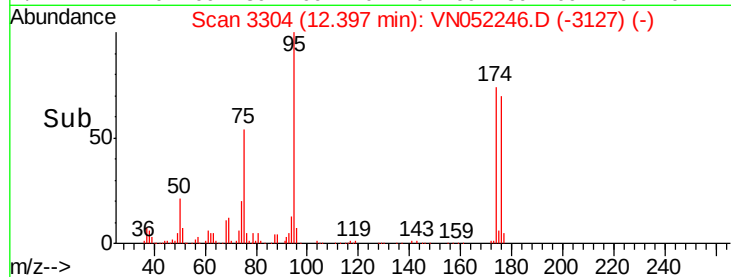
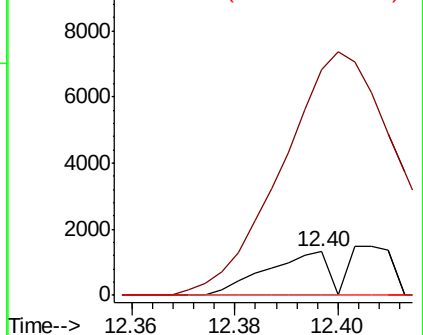


Abundance

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: 13.34 min Scan# 3598

Delta R.T. 0.00 min

Lab File: VN052246.D

Acq: 9 Nov 2018 23:49

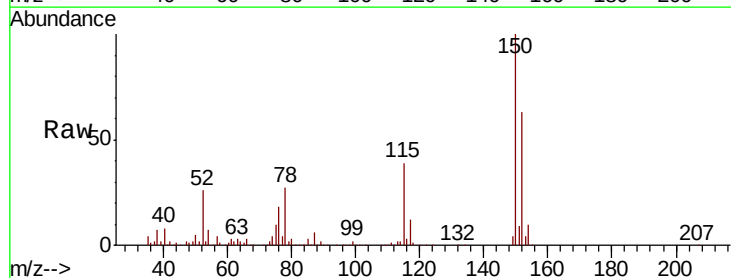
Tgt Ion:152 Resp: 151980

Ion Ratio Lower Upper

152 100

115 60.1 29.8 89.5

150 159.3 0.0 350.2

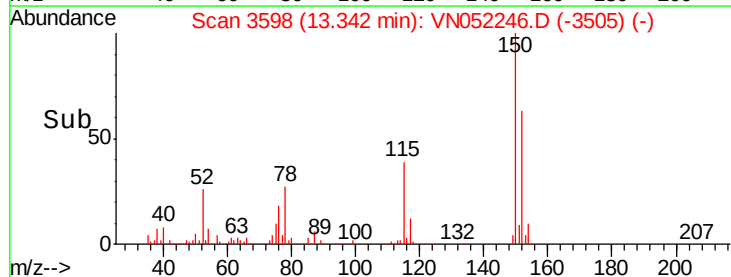
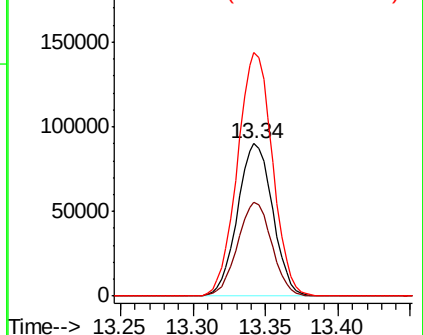


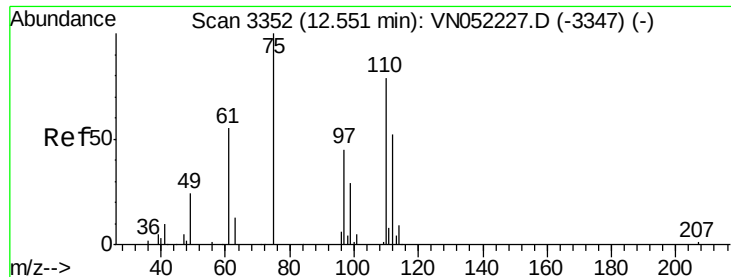
Abundance

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

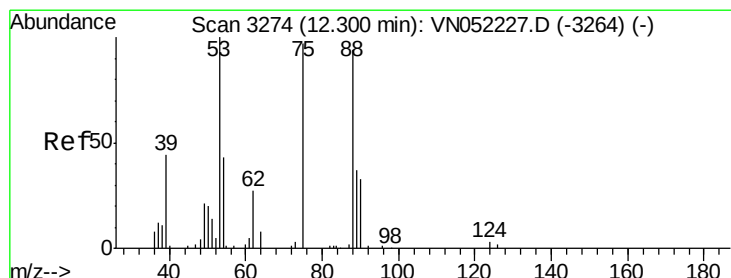
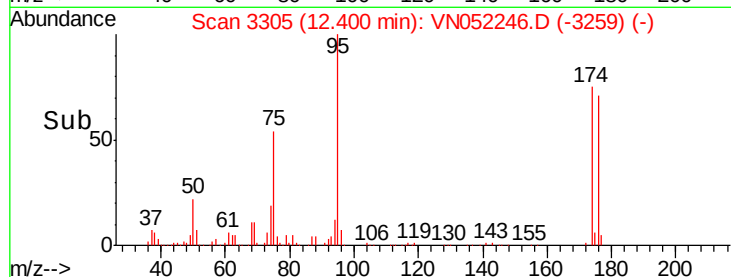
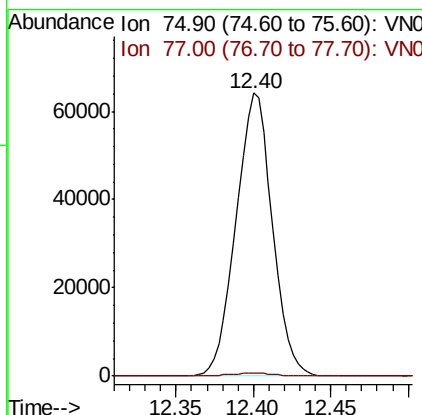
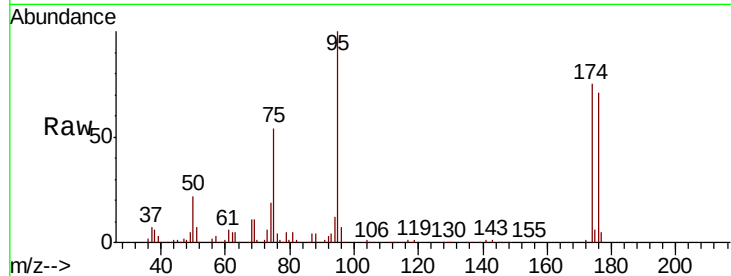




#76
 1,2,3-Trichloropropane
 Concen: 38.860 ug/l
 RT: 12.40 min Scan# 3305
 Delta R.T. -0.15 min
 Lab File: VN052246.D
 Acq: 9 Nov 2018 23:49

Instrument :
 MSVOA_N
 ClientSampleId :
 RAV-RAINEY-BEFORE

Tot Ion: 75 Resp: 104491
 Ion Ratio Lower Upper
 75 100
 77 1.2 0.0 0.0#



#81
 trans-1,4-Dichloro-2-butene
 Concen: 132.646 ug/l
 RT: 12.40 min Scan# 3305
 Delta R.T. 0.10 min
 Lab File: VN052246.D
 Acq: 9 Nov 2018 23:49

Tgt Ion: 75 Resp: 104491
 Ion Ratio Lower Upper
 75 100
 53 0.1 84.0 126.0#
 89 0.0 33.7 50.5#

