

Data Path : Z:\VOASRV\HPCHEM1\MSVOA N\DATA\VN110918\
 Data File : VN052248.D
 Acq On : 10 Nov 2018 00:43
 Operator : MD\SY
 Sample : J5903-06
 Misc : 5.00mL/MSVOA N/WATER
 ALS Vial : 26 Sample Multiplier: 28

Instrument :
 MSVOA_N
 ClientSampleId :
 RAV-006

Quant Time: Nov 12 03:27:32 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	316262	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.59	114	529186	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.41	117	440443	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.34	152	142658	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	210098	48.57	ug/l	0.00
Spiked Amount				50.000		
			Recovery	=	97.14%	
35) Dibromofluoromethane	7.59	113	170389	49.71	ug/l	0.00
Spiked Amount				50.000		
			Recovery	=	99.42%	
50) Toluene-d8	10.09	98	653660	48.72	ug/l	0.00
Spiked Amount				50.000		
			Recovery	=	97.44%	
62) 4-Bromofluorobenzene	12.40	95	183549	42.31	ug/l	0.00
Spiked Amount				50.000		
			Recovery	=	84.62%	

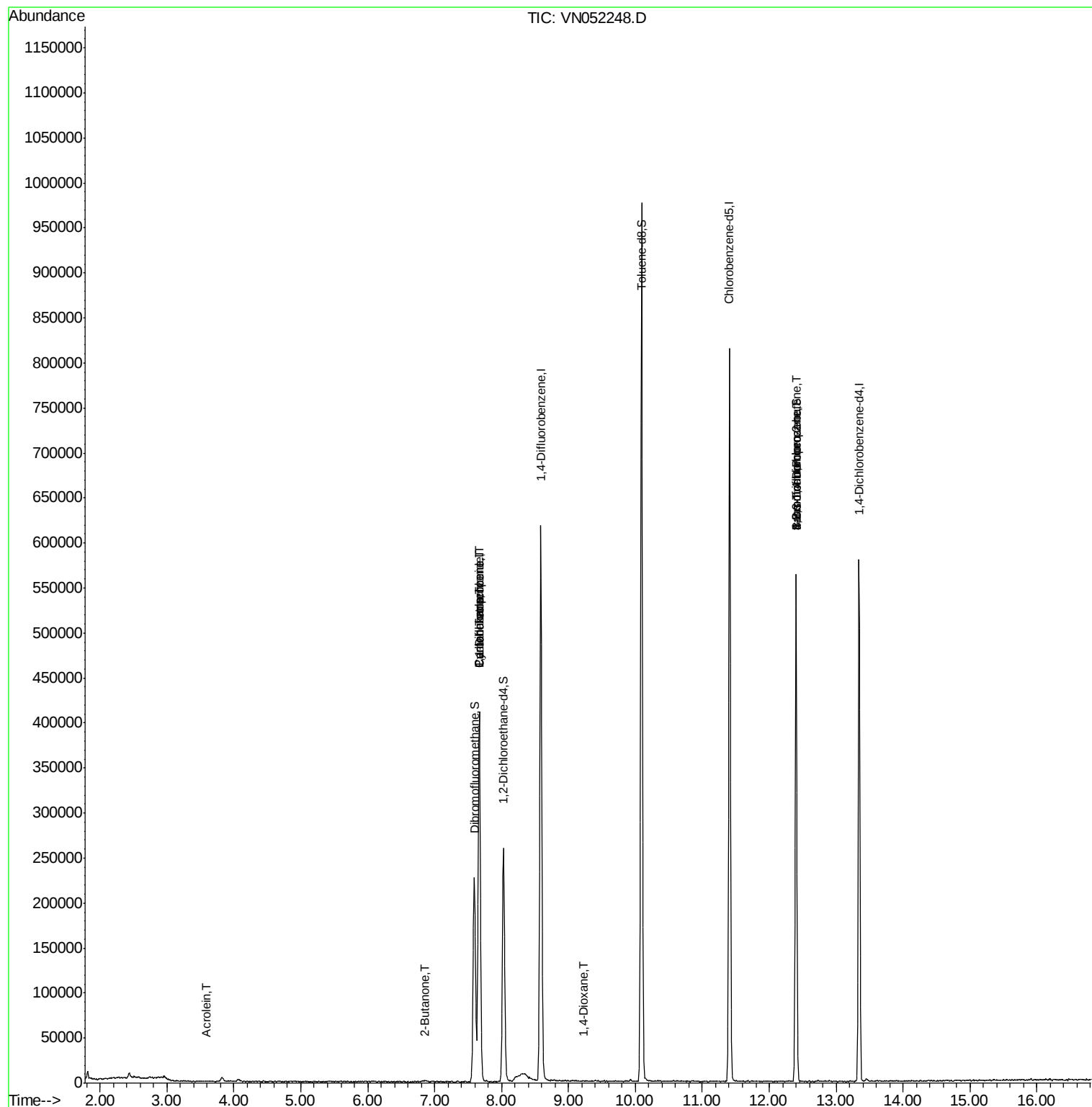
Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
13) Acrolein	3.60	56	67	34.267	ug/l	85
16) Acetone	3.82	43	7889	Below Cal		97
25) 2-Butanone	6.86	43	1248	0.676	ug/l #	52
31) Cyclohexane	7.67	56	8739	0.626	ug/l #	32
36) 1,1-Dichloropropene	7.67	75	28301	5.299	ug/l #	51
38) Carbon Tetrachloride	7.67	117	33181	6.855	ug/l #	17
49) 1,4-Dioxane	9.23	88	30	1.011	ug/l #	21
71) Bromoform	12.40	173	2175	1.153	ug/l #	1
76) 1,2,3-Trichloropropane	12.40	75	100536	39.832	ug/l #	100
81) trans-1,4-Dichloro-2-buten	12.40	75	100536	135.965	ug/l #	8

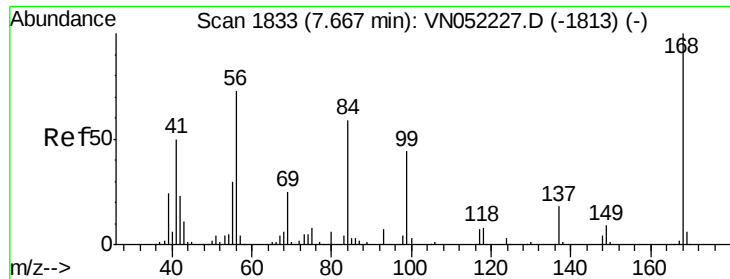
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Data Path : Z:\V0ASRV\HPCHEM1\MSVOA N\DATA\VN110918\
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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: VN052248.D

Acq: 10 Nov 2018 00:43

Instrument :

MSVOA_N

ClientSampled :

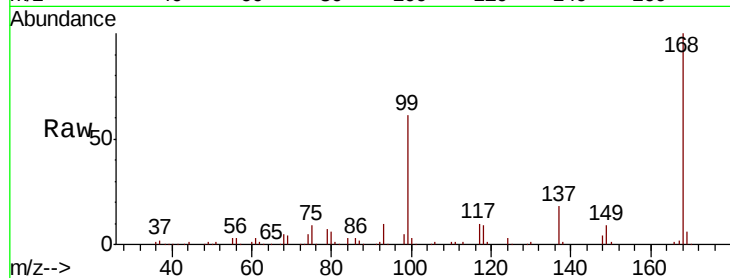
RAV-006

Tot Ion:168 Resp: 316262

Ion Ratio Lower Upper

168 100

99 61.0 44.7 67.1



Abundance Ion 167.90 (167.60 to 168.60): V

Ion 98.90 (98.60 to 99.60): VN0

7.67

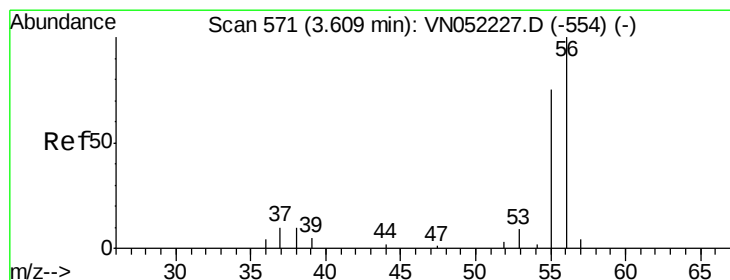
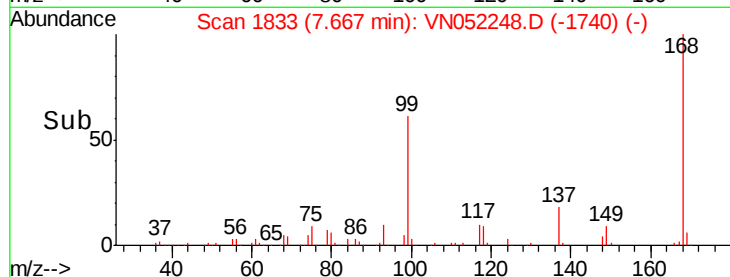
150000

100000

50000

0

Time-->



#13

Acrolein

Concen: 34.267 ug/l

RT: 3.60 min Scan# 568

Delta R.T. -0.01 min

Lab File: VN052248.D

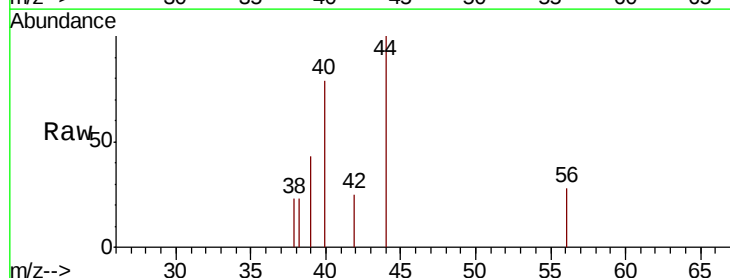
Acq: 10 Nov 2018 00:43

Tgt Ion: 56 Resp: 67

Ion Ratio Lower Upper

56 100

55 88.1 59.9 89.9



Abundance Ion 56.00 (55.70 to 56.70): VN0

Ion 55.00 (54.70 to 55.70): VN0

3.60

200

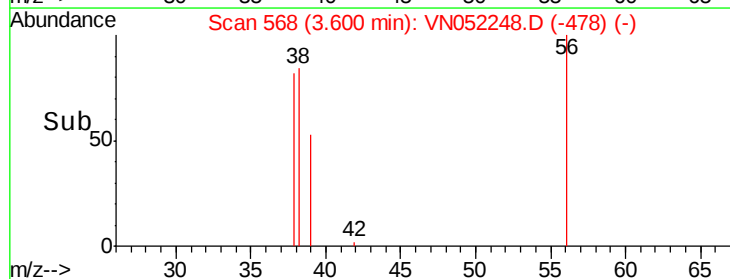
150

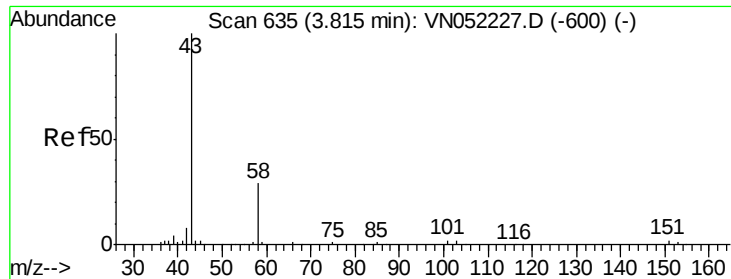
100

50

0

Time-->





#16

Acetone

Concen: Below Cal

RT: 3.82 min Scan# 638

Delta R.T. 0.01 min

Lab File: VN052248.D

Acq: 10 Nov 2018 00:43

Instrument :

MSVOA_N

ClientSampled :

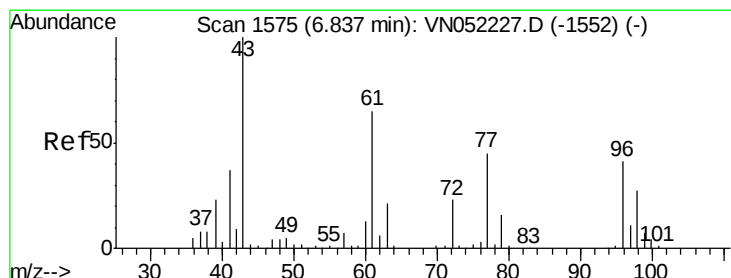
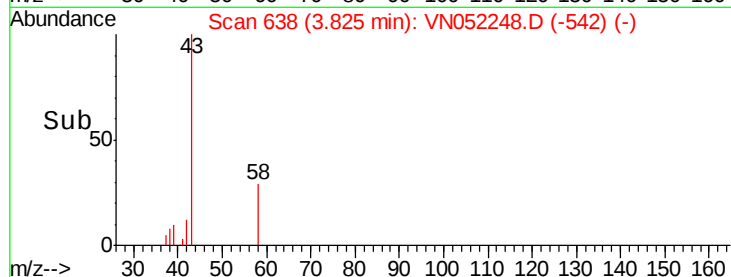
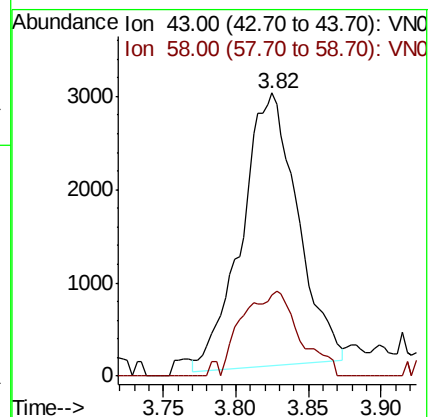
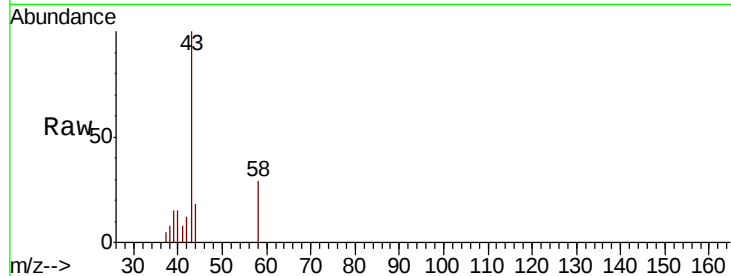
RAV-006

Tot Ion: 43 Resp: 7889

Ion Ratio Lower Upper

43 100

58 30.2 23.0 34.6



#25

2-Butanone

Concen: 0.676 ug/l

RT: 6.86 min Scan# 1581

Delta R.T. 0.02 min

Lab File: VN052248.D

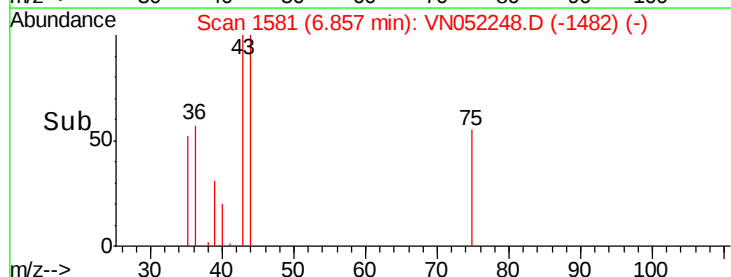
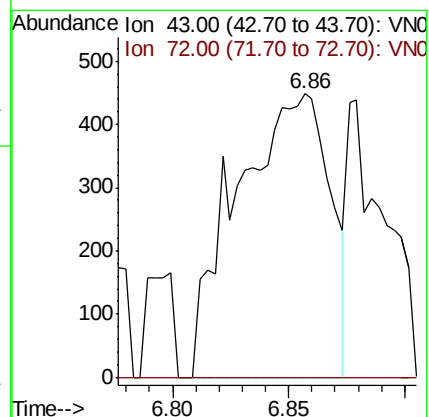
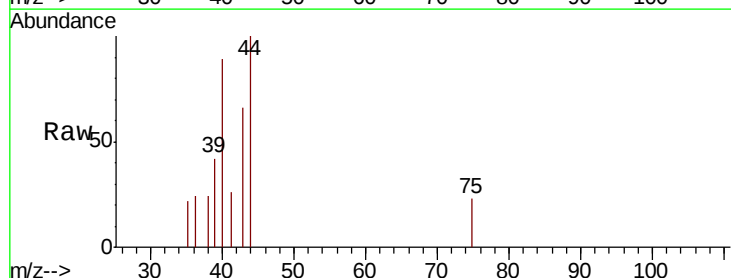
Acq: 10 Nov 2018 00:43

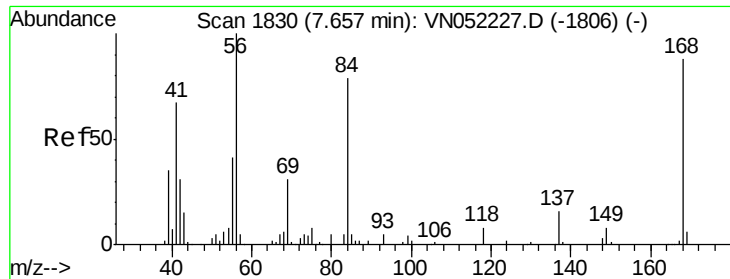
Tgt Ion: 43 Resp: 1248

Ion Ratio Lower Upper

43 100

72 0.0 18.6 27.8#

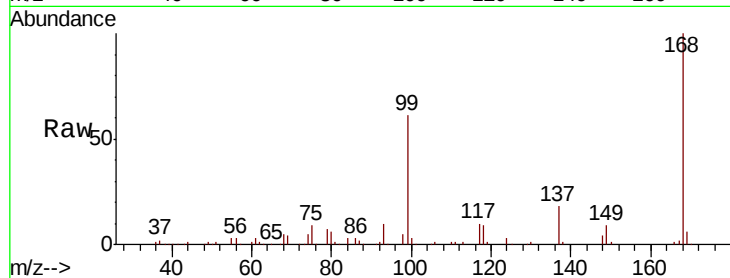




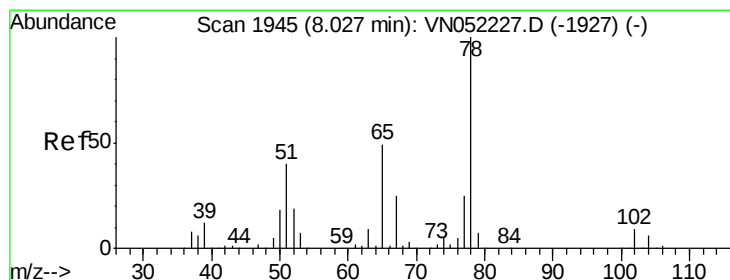
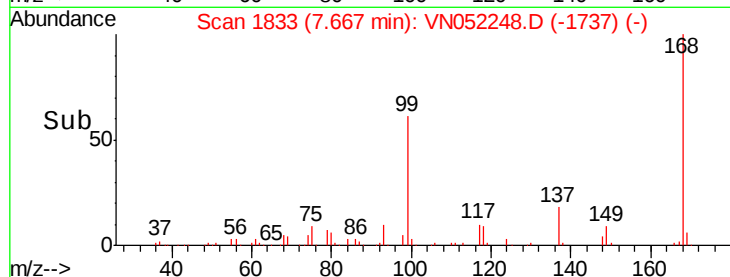
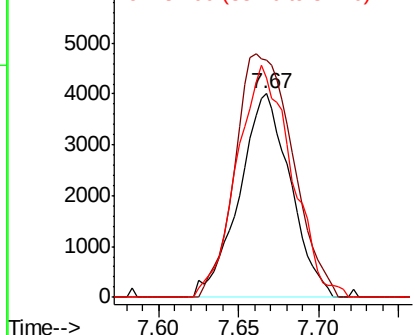
#31
Cyclohexane
Concen: 0.626 ug/l
RT: 7.67 min Scan# 1833
Delta R.T. 0.01 min
Lab File: VN052248.D
Acq: 10 Nov 2018 00:43

Instrument :
MSVOA_N
ClientSampleId :
RAV-006

Tot Ion: 56 Resp: 8739
Ion Ratio Lower Upper
56 100
69 116.7 24.8 37.2#
84 107.7 63.1 94.7#

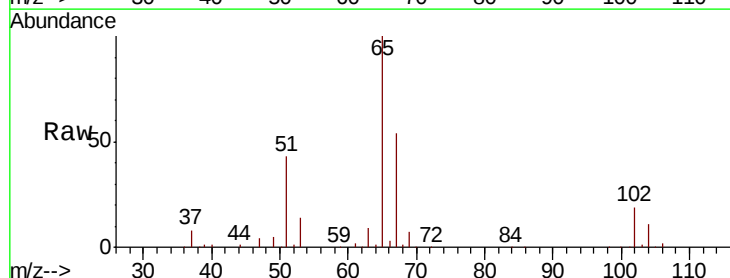


Abundance Ion 56.00 (55.70 to 56.70): VN0
Ion 69.00 (68.70 to 69.70): VN0
Ion 84.00 (83.70 to 84.70): VN0

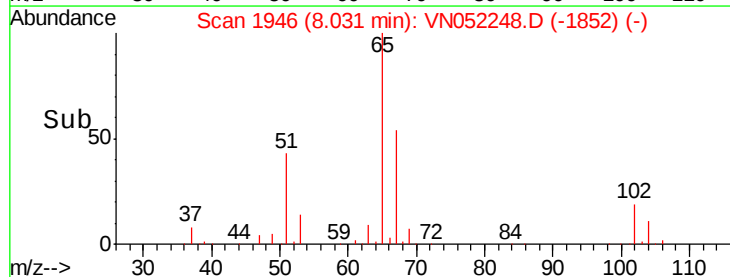
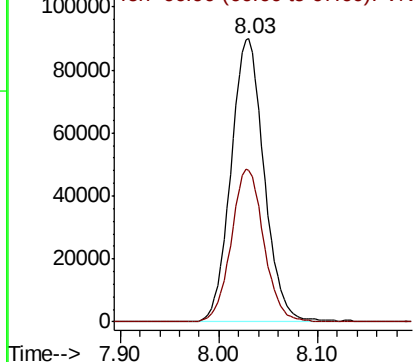


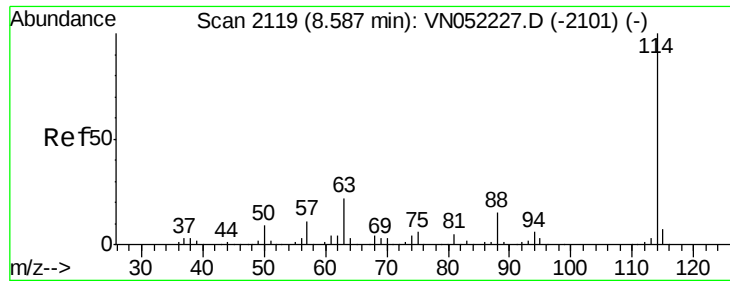
#33
1,2-Dichloroethane-d4
Concen: Below ug/l
RT: 8.03 min Scan# 1946
Delta R.T. 0.00 min
Lab File: VN052248.D
Acq: 10 Nov 2018 00:43

Tgt Ion: 65 Resp: 210098
Ion Ratio Lower Upper
65 100
67 53.0 0.0 106.6



Abundance Ion 64.90 (64.60 to 65.60): VN0
Ion 66.90 (66.60 to 67.60): VN0

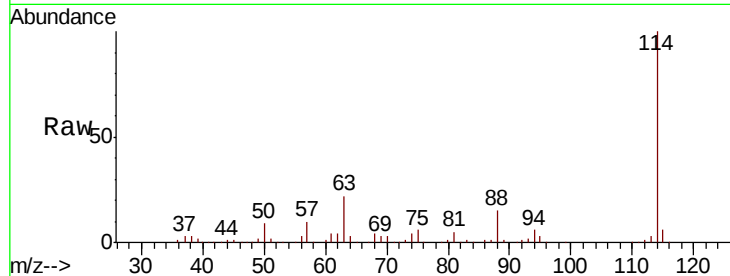




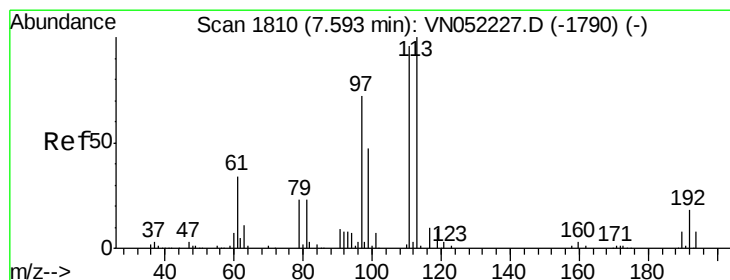
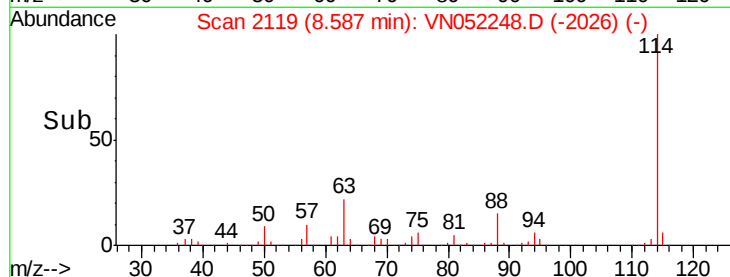
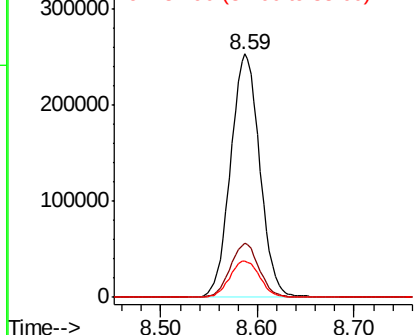
#34
1,4-Difluorobenzene
Concen: 50.000 ug/l
RT: 8.59 min Scan# 2119
Delta R.T. 0.00 min
Lab File: VN052248.D
Acq: 10 Nov 2018 00:43

Instrument :
MSVOA_N
ClientSampleId :
RAV-006

Tot Ion:114 Resp: 529186
Ion Ratio Lower Upper
114 100
63 22.2 0.0 43.4
88 14.9 0.0 30.2

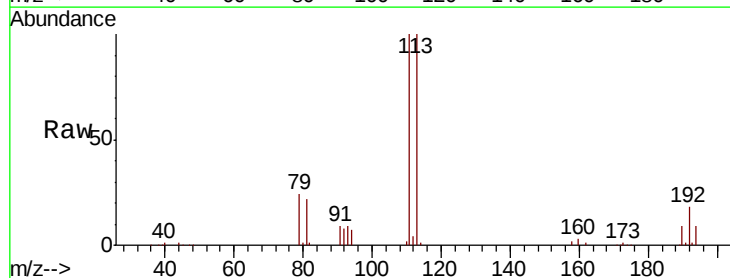


Abundance Ion 113.90 (113.60 to 114.60): V
Ion 63.00 (62.70 to 63.70): V
Ion 87.90 (87.60 to 88.60): V

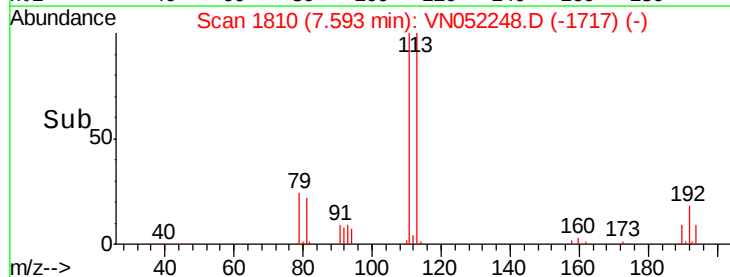
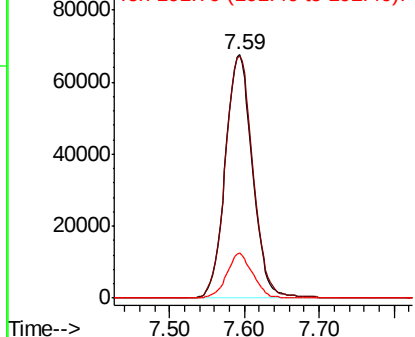


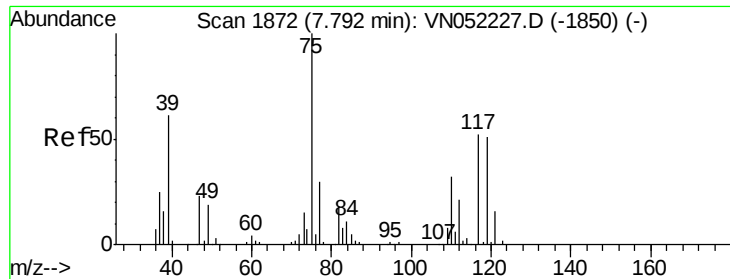
#35
Dibromofluoromethane
Concen: 50.000 ug/l
RT: 7.59 min Scan# 1810
Delta R.T. 0.00 min
Lab File: VN052248.D
Acq: 10 Nov 2018 00:43

Tgt Ion:113 Resp: 170389
Ion Ratio Lower Upper
113 100
111 101.3 80.2 120.4
192 17.5 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

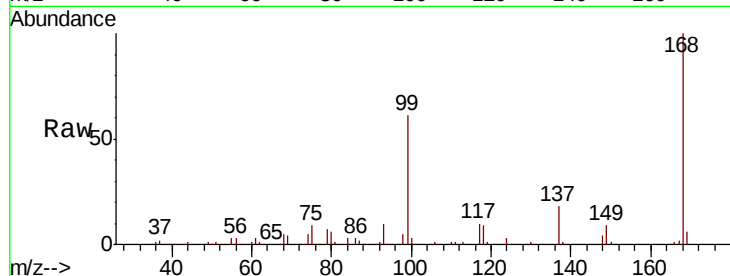




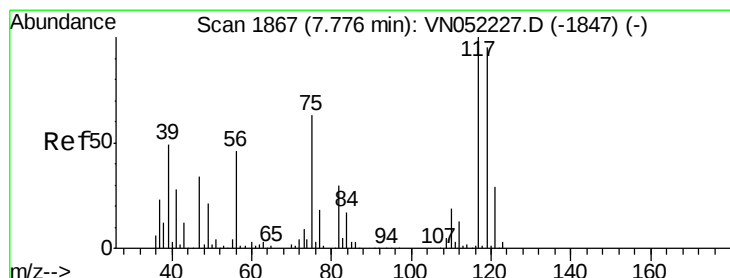
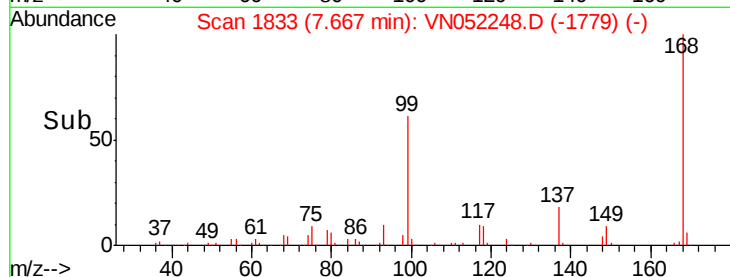
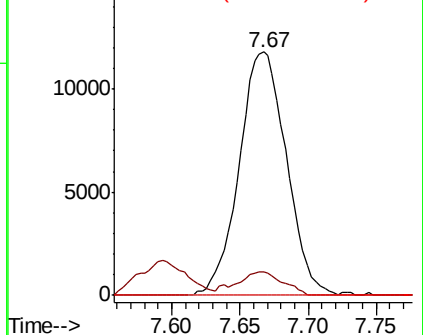
#36
 1,1-Dichloropropene
 Concen: 5.299 ug/l
 RT: 7.67 min Scan# 1833
 Delta R.T. -0.13 min
 Lab File: VN052248.D
 Acq: 10 Nov 2018 00:43

Instrument :
 MSVOA_N
 ClientSampleId :
 RAV-006

Tot Ion	Ratio	Lower	Upper
75	100		
110	8.4	16.4	49.4#
77	0.0	23.9	35.9#

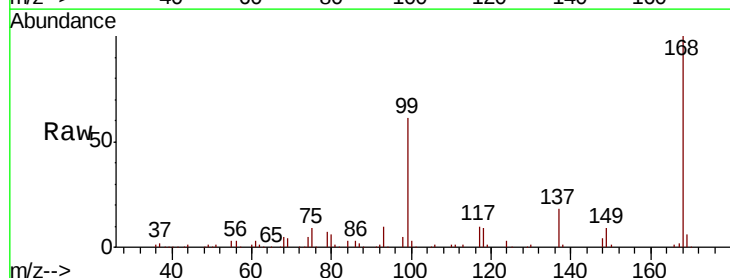


Abundance Ion 74.90 (74.60 to 75.60): VN052227.D (-1850) (-)
 Ion 109.90 (109.60 to 110.60): VN052227.D (-1850) (-)
 Ion 76.90 (76.60 to 77.60): VN052227.D (-1850) (-)

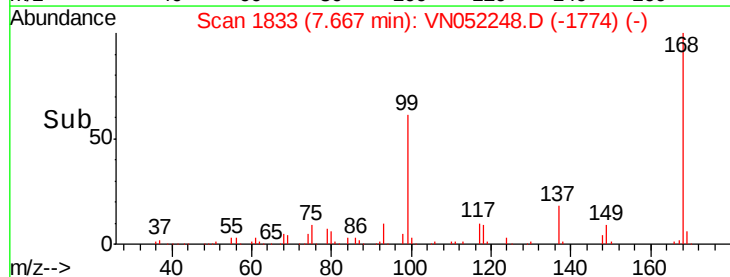
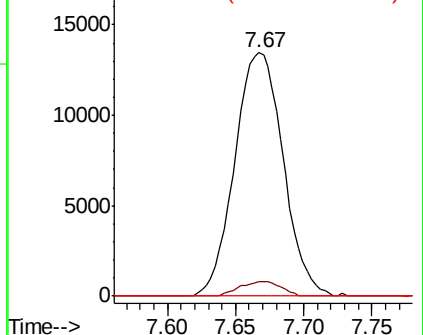


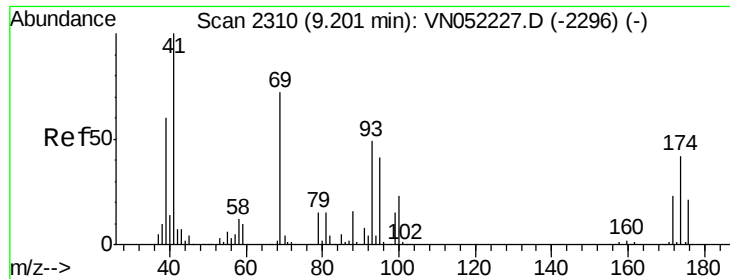
#38
 Carbon Tetrachloride
 Concen: 6.855 ug/l
 RT: 7.67 min Scan# 1833
 Delta R.T. -0.11 min
 Lab File: VN052248.D
 Acq: 10 Nov 2018 00:43

Tgt Ion	Ratio	Lower	Upper
117	100		
119	5.9	75.8	113.8#
121	0.0	23.4	35.2#



Abundance Ion 116.80 (116.50 to 117.50): VN052227.D (-1847) (-)
 Ion 118.80 (118.50 to 119.50): VN052227.D (-1847) (-)
 Ion 120.80 (120.50 to 121.50): VN052227.D (-1847) (-)





#49

1,4-Dioxane

Concen: 1.011 ug/l

RT: 9.23 min Scan# 2320

Delta R.T. 0.03 min

Lab File: VN052248.D

Acq: 10 Nov 2018 00:43

Instrument :

MSVOA_N

ClientSampled :

RAV-006

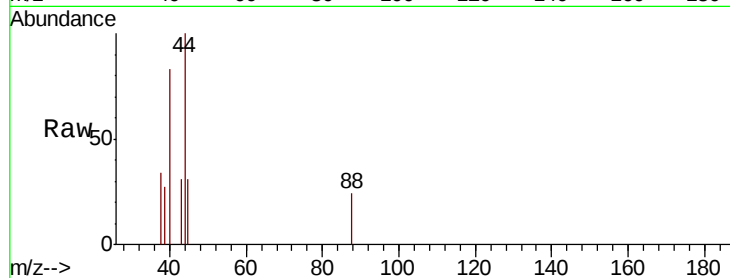
Tot Ion: 88 Resp: 30

Ion Ratio Lower Upper

88 100

43 0.0 32.5 48.7#

58 0.0 58.2 87.4#



Abundance Ion 88.00 (87.70 to 88.70): VN0

Ion 43.00 (42.70 to 43.70): VN0

Ion 58.00 (57.70 to 58.70): VN0

400

300

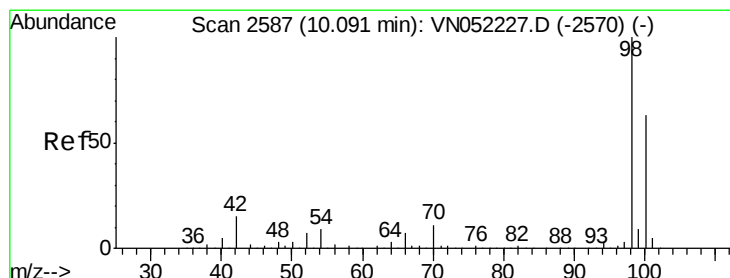
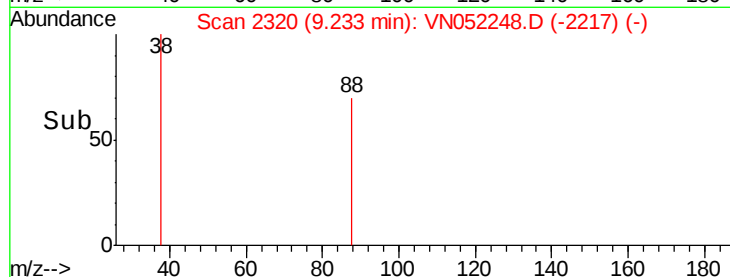
200

100

0

9.22 9.23 9.23 9.24

Time-->



#50

Toluene-d8

Concen: 1.011 ug/l

RT: 10.09 min Scan# 2587

Delta R.T. 0.00 min

Lab File: VN052248.D

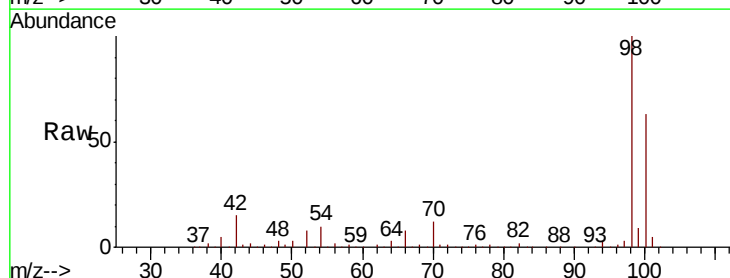
Acq: 10 Nov 2018 00:43

Tgt Ion: 98 Resp: 653660

Ion Ratio Lower Upper

98 100

100 62.6 50.2 75.2



Abundance Ion 98.00 (97.70 to 98.70): VN0

Ion 100.00 (99.70 to 100.70): VN0

400000

300000

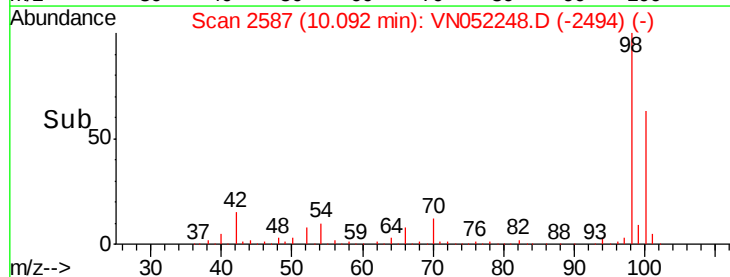
200000

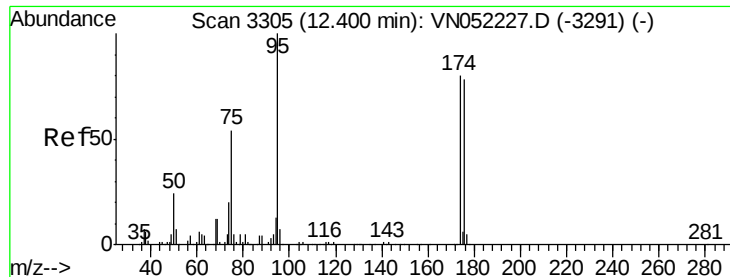
100000

0

10.00 10.09 10.10 10.20

Time-->





#62

4-Bromofluorobenzene

Concen: N.D. ug/l

RT: 12.40 min Scan# 3305

Delta R.T. 0.00 min

Lab File: VN052248.D

Acq: 10 Nov 2018 00:43

Instrument :

MSVOA_N

ClientSampled :

RAV-006

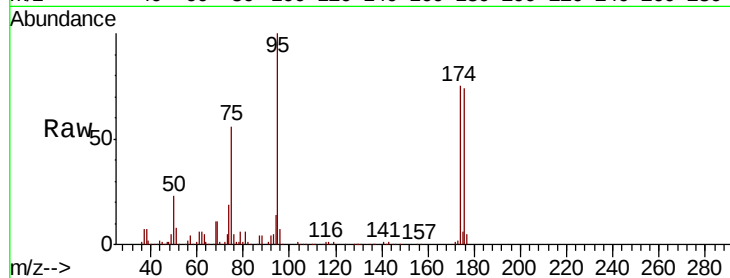
Tot Ion: 95 Resp: 183549

Ion Ratio Lower Upper

95 100

174 76.0 0.0 159.4

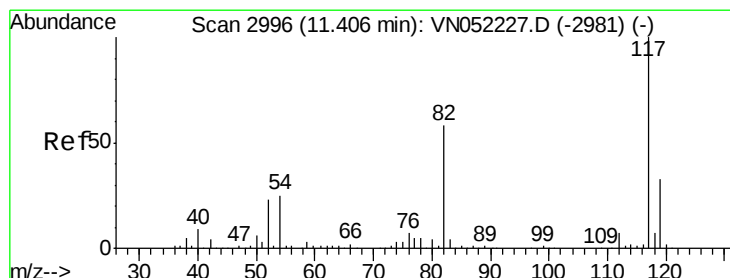
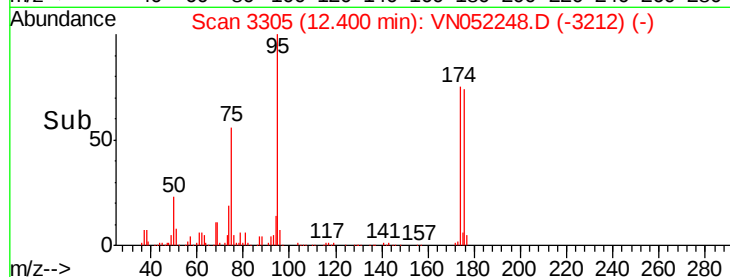
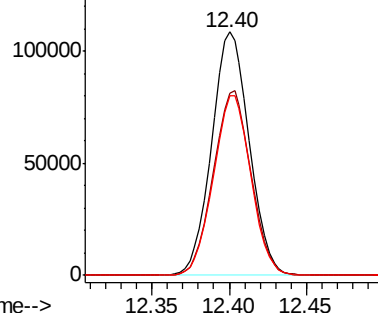
176 73.6 0.0 157.8



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: VN052248.D

Acq: 10 Nov 2018 00:43

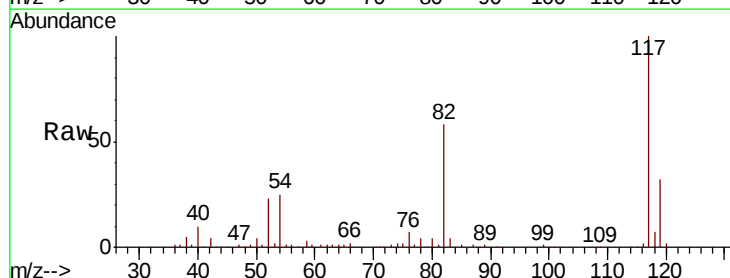
Tgt Ion: 117 Resp: 440443

Ion Ratio Lower Upper

117 100

82 57.7 46.2 69.2

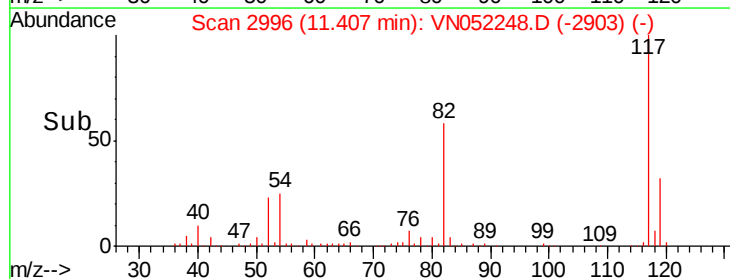
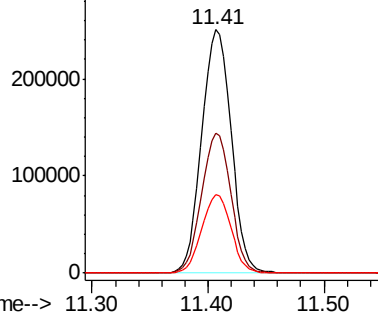
119 32.2 26.2 39.4

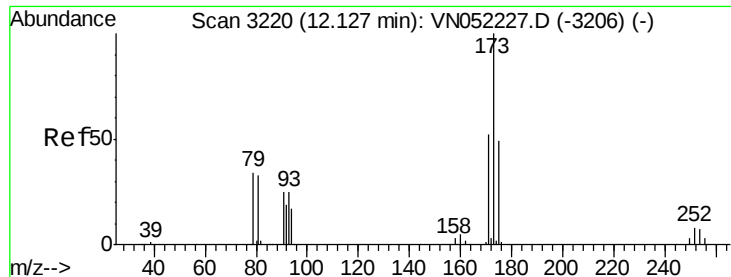


Abundance Ion 116.90 (116.60 to 117.60): VN052227.D (-2981) (-)

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: 1.153 ug/l

RT: 12.40 min Scan# 3306

Delta R.T. 0.28 min

Lab File: VN052248.D

Acq: 10 Nov 2018 00:43

Instrument :

MSVOA_N

ClientSampled :

RAV-006

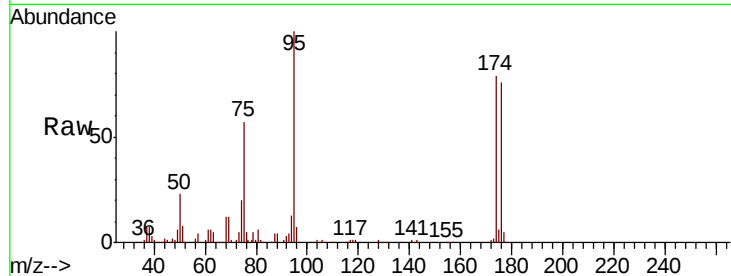
Tot Ion:173 Resp: 2175

Ion Ratio Lower Upper

173 100

175 468.0 24.5 73.5#

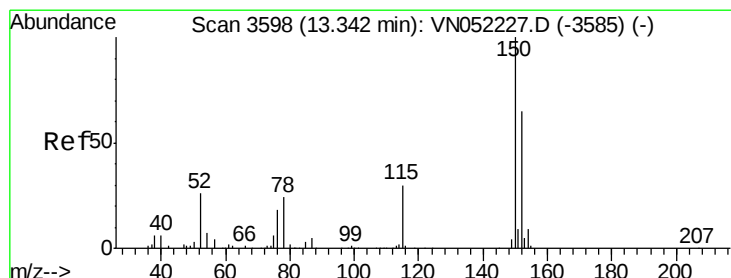
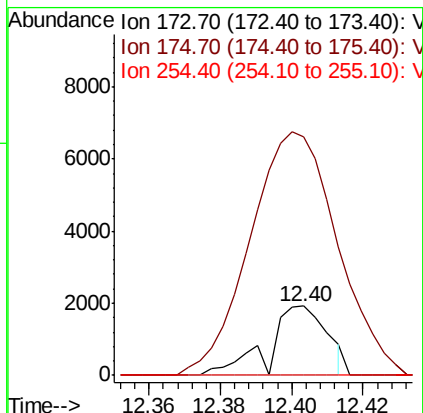
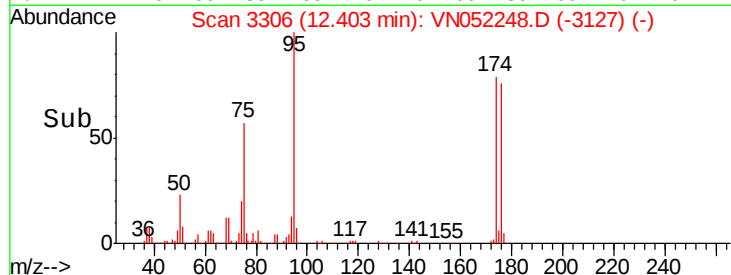
254 0.0 0.0 0.0



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: VN052248.D

Acq: 10 Nov 2018 00:43

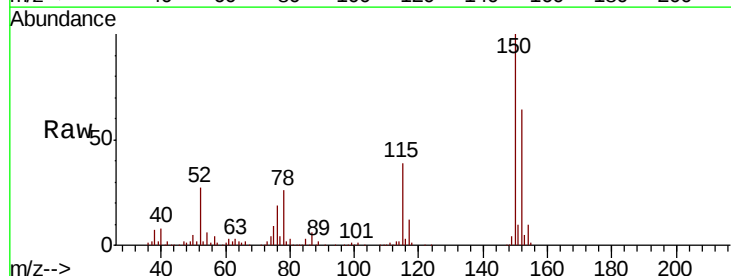
Tgt Ion:152 Resp: 142658

Ion Ratio Lower Upper

152 100

115 59.4 29.8 89.5

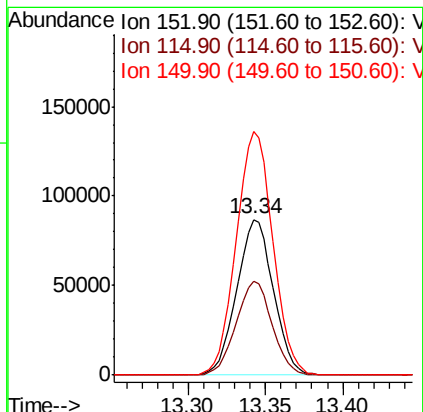
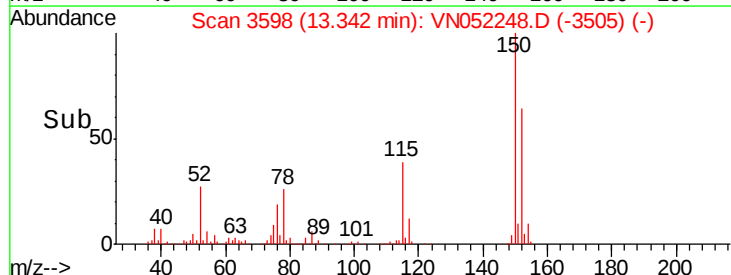
150 156.7 0.0 350.2

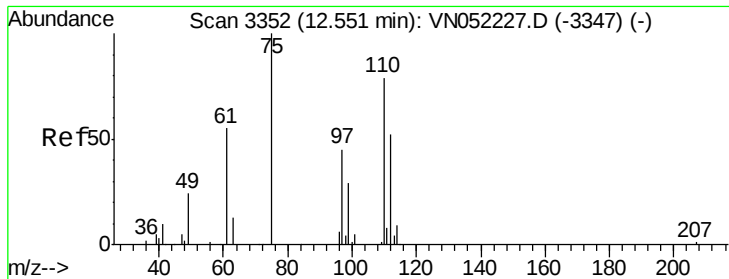


Abundance Ion 151.90 (151.60 to 152.60): V

Ion 114.90 (114.60 to 115.60): V

Ion 149.90 (149.60 to 150.60): V





#76

1,2,3-Trichloropropane

Concen: 39.832 ug/l

RT: 12.40 min Scan# 3305

Delta R.T. -0.15 min

Lab File: VN052248.D

Acq: 10 Nov 2018 00:43

Instrument :

MSVOA_N

ClientSampled :

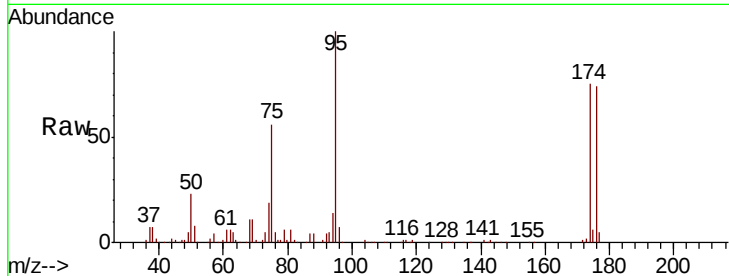
RAV-006

Tot Ion: 75 Resp: 100536

Ion Ratio Lower Upper

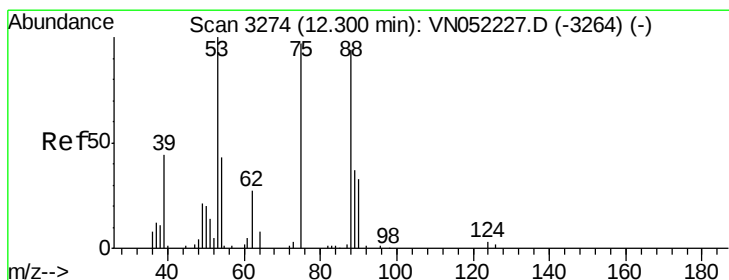
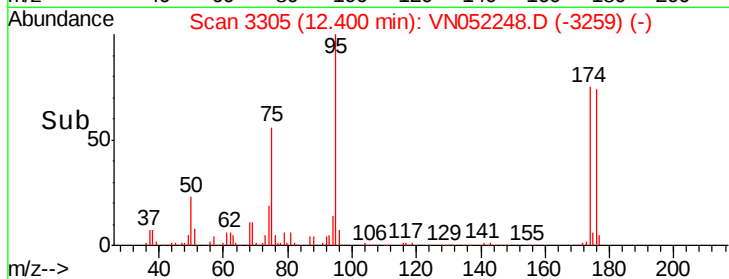
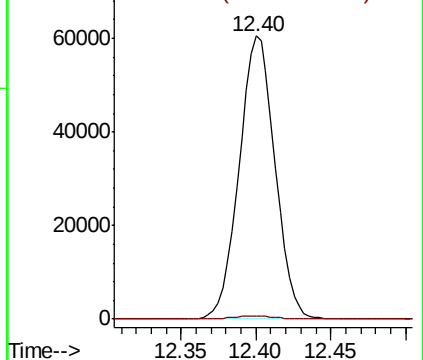
75 100

77 1.3 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: 135.965 ug/l

RT: 12.40 min Scan# 3305

Delta R.T. 0.10 min

Lab File: VN052248.D

Acq: 10 Nov 2018 00:43

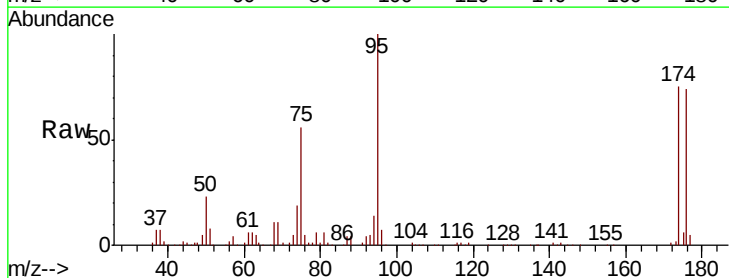
Tgt Ion: 75 Resp: 100536

Ion Ratio Lower Upper

75 100

53 0.1 84.0 126.0#

89 0.0 33.7 50.5#



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

