

Data Path : Z:\VOASRV\HPCHEM1\MSVOA N\DATA\VN112818\
 Data File : VN052545.D
 Acq On : 29 Nov 2018 3:27
 Operator : MD\SY
 Sample : J6120-02DL 20X
 Misc : 5.00mL/MSVOA N/WATER
 ALS Vial : 43 Sample Multiplier: 28

Instrument :
 MSVOA_N
 ClientSampleId :
 14B-2DL

Quant Time: Nov 29 07:26:27 2018
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA N\METHODS\624N112618W.M
 Quant Title : METHOD 624 VOLATILE ORGANIC ANALYSIS
 QLast Update : Tue Nov 27 00:48:33 2018
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Bromochloromethane	7.20	128	174952	30.00	ug/l	0.00
28) 1,4-Difluorobenzene	8.59	114	1007114	30.00	ug/l	0.00
57) Chlorobenzene-d5	11.41	117	836464	30.00	ug/l	0.00

System Monitoring Compounds						
27) 1,2-Dichloroethane-d4	8.03	65	355237	29.80	ug/l	0.00
Spiked Amount	30.000	Range	50 - 169	Recovery	=	99.33%
60) 4-Bromofluorobenzene	12.40	95	335658	26.25	ug/l	0.00
Spiked Amount	30.000	Range	56 - 143	Recovery	=	87.50%
63) Toluene-d8	10.09	98	1167473	30.10	ug/l	0.00
Spiked Amount	30.000	Range	66 - 137	Recovery	=	100.33%

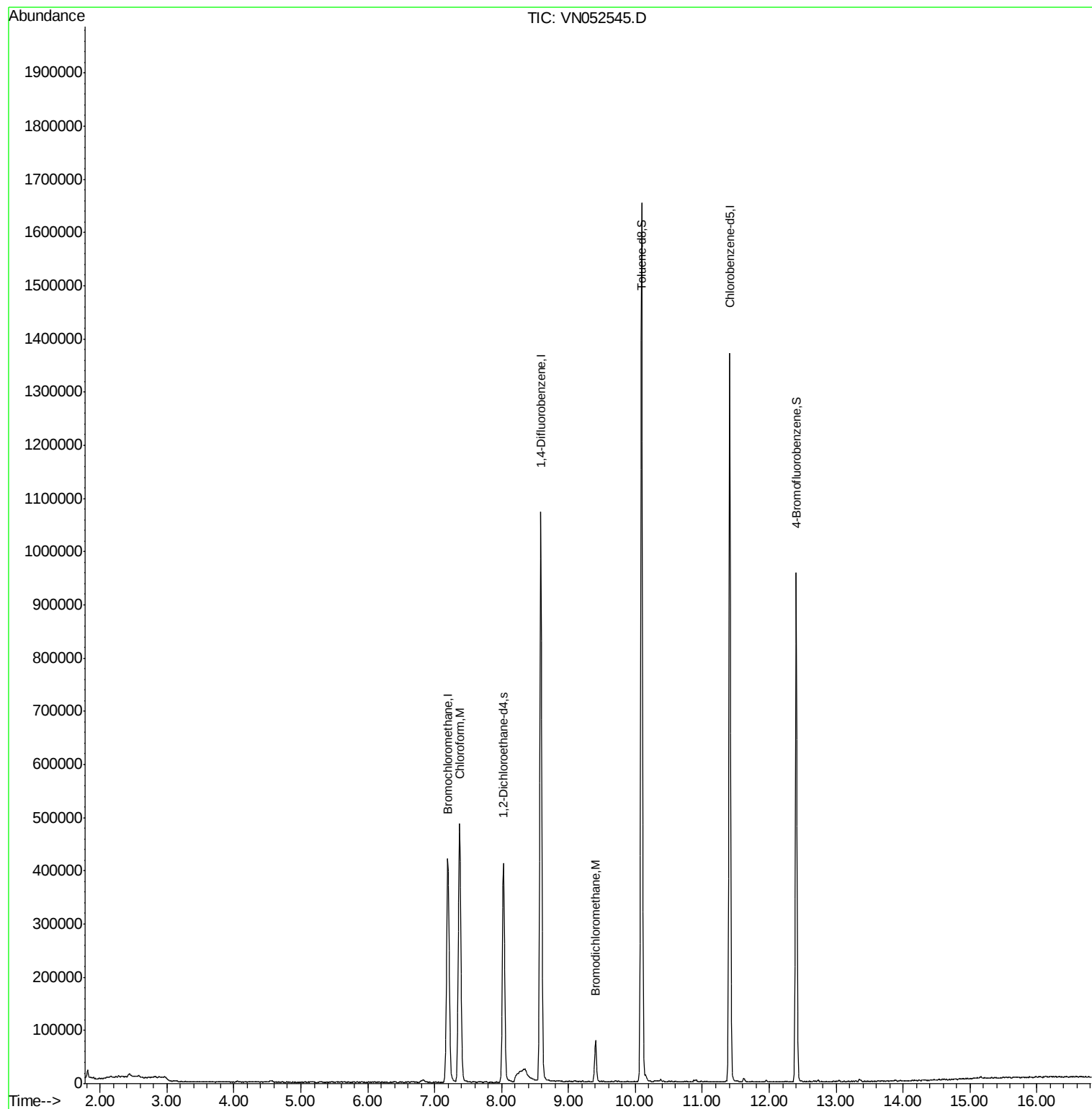
Target Compounds					Ovalue
25) Chloroform	7.37	83	537576	27.191 ug/l	99
41) Bromodichloromethane	9.40	83	53782	3.634 ug/l #	99

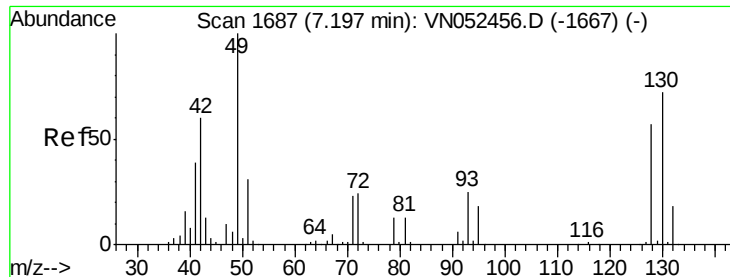
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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#1

Bromochloromethane

Concen: 30.000 ug/l

RT: 7.20 min Scan# 1687

Delta R.T. -0.00 min

Lab File: VN052545.D

Acq: 29 Nov 2018 3:27

Instrument :
MSVOA_N
ClientSampled :
14B-2DL

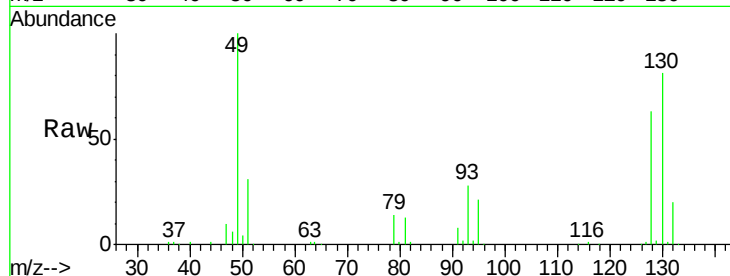
Tot Ion:128 Resp: 174952

Ion Ratio Lower Upper

128 100

49 160.3 0.0 431.8

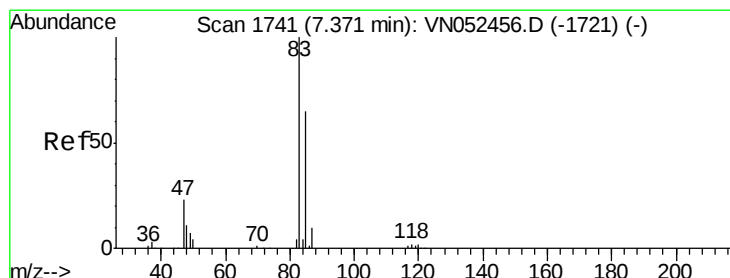
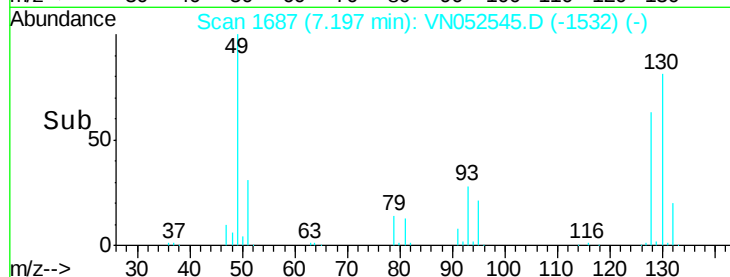
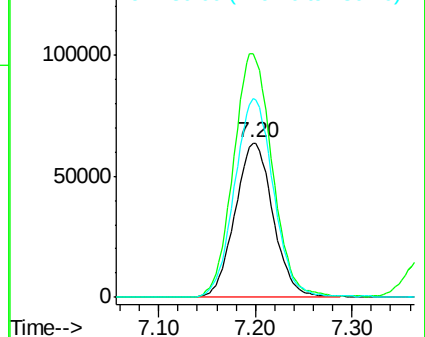
130 131.6 0.0 317.0



Abundance Ion 128.00 (127.70 to 128.70): V

Ion 49.00 (48.70 to 49.70): VN0

Ion 130.00 (129.70 to 130.70): V



#25

Chloroform

Concen: 27.191 ug/l

RT: 7.37 min Scan# 1742

Delta R.T. 0.00 min

Lab File: VN052545.D

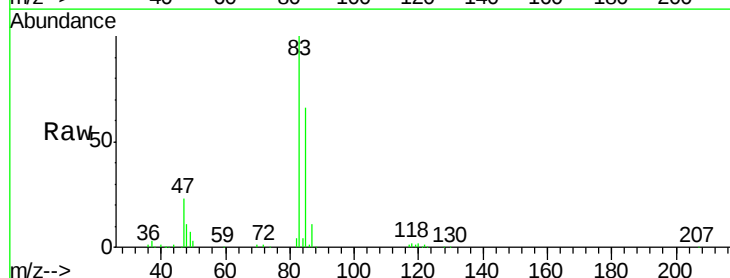
Acq: 29 Nov 2018 3:27

Tgt Ion: 83 Resp: 537576

Ion Ratio Lower Upper

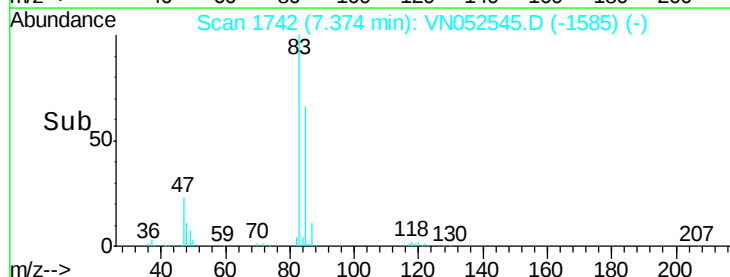
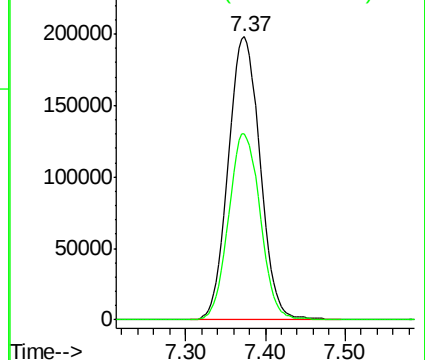
83 100

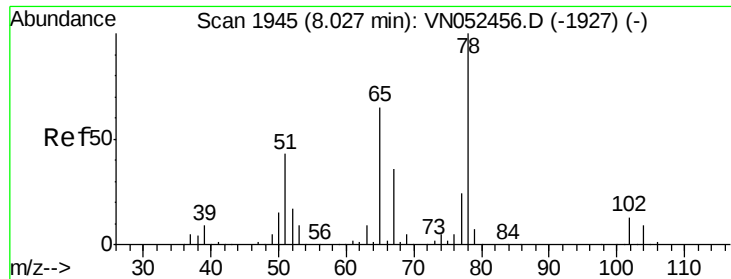
85 65.6 51.7 77.5



Abundance Ion 83.00 (82.70 to 83.70): VN0

Ion 85.00 (84.70 to 85.70): VN0





#27

1,2-Dichloroethane-d4

Concen: Below ug/l

RT: 8.03 min Scan# 1945

Delta R.T. -0.00 min

Lab File: VN052545.D

Acq: 29 Nov 2018 3:27

Instrument :

MSVOA_N

ClientSampleId :

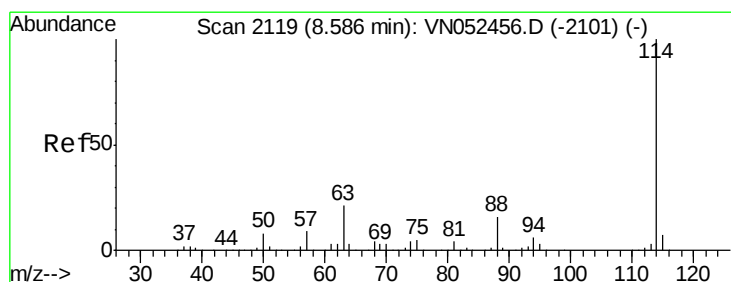
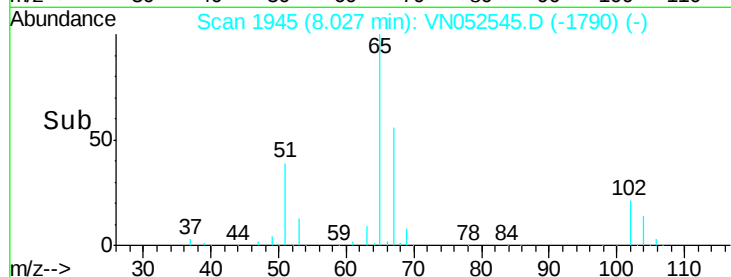
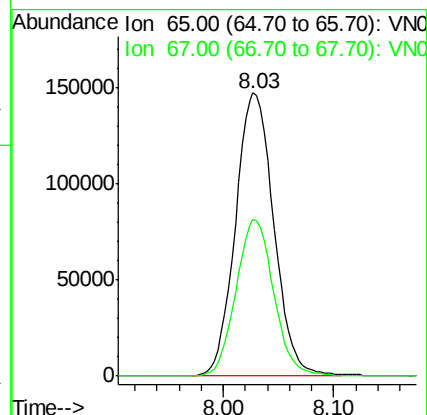
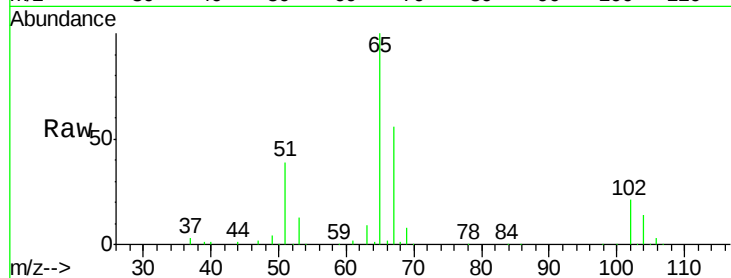
14B-2DL

Tot Ion: 65 Resp: 355237

Ion Ratio Lower Upper

65 100

67 54.5 44.6 66.8



#28

1,4-Difluorobenzene

Concen: 30.000 ug/l

RT: 8.59 min Scan# 2119

Delta R.T. -0.00 min

Lab File: VN052545.D

Acq: 29 Nov 2018 3:27

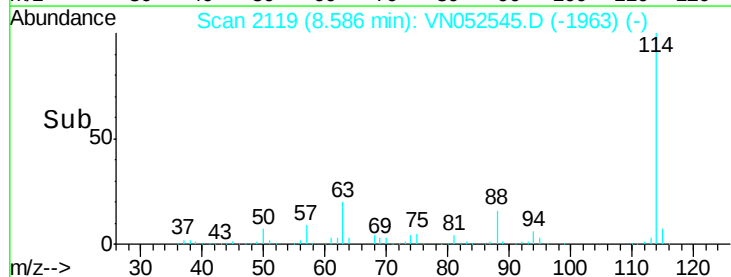
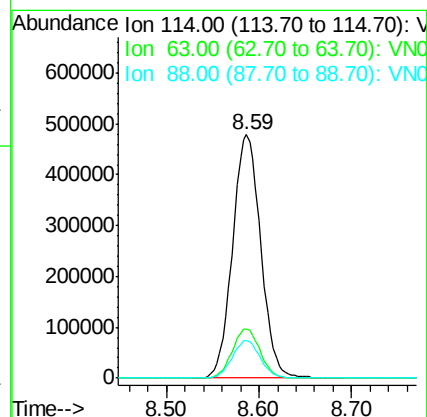
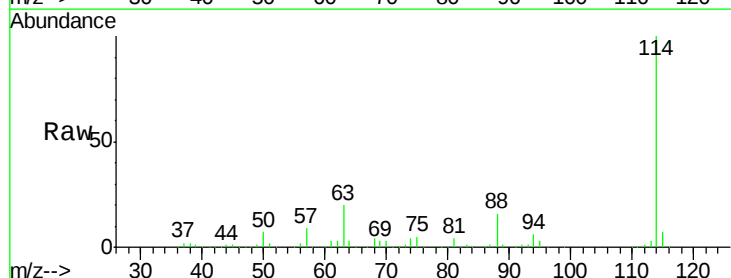
Tgt Ion: 114 Resp: 1007114

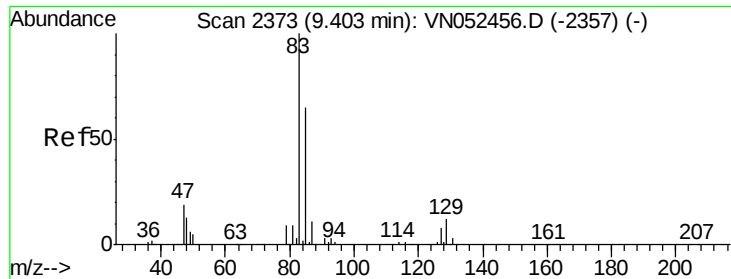
Ion Ratio Lower Upper

114 100

63 20.1 16.9 25.3

88 15.5 12.8 19.2





#41

Bromodichloromethane

Concen: 3.634 ug/l

RT: 9.40 min Scan# 2373

Delta R.T. -0.00 min

Lab File: VN052545.D

Acq: 29 Nov 2018 3:27

Instrument :

MSVOA_N

ClientSampleId :

14B-2DL

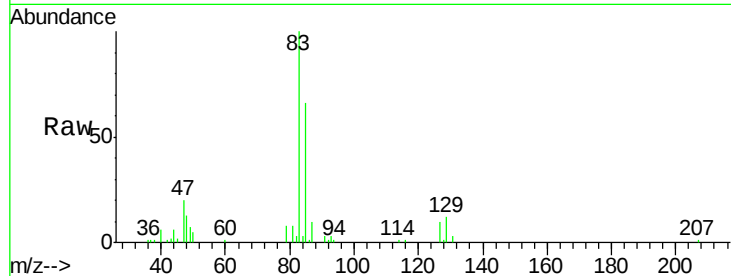
Tot Ion: 83 Resp: 53782

Ion Ratio Lower Upper

83 100

85 65.8 52.4 78.6

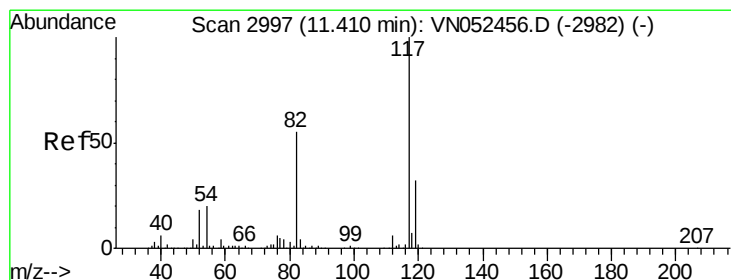
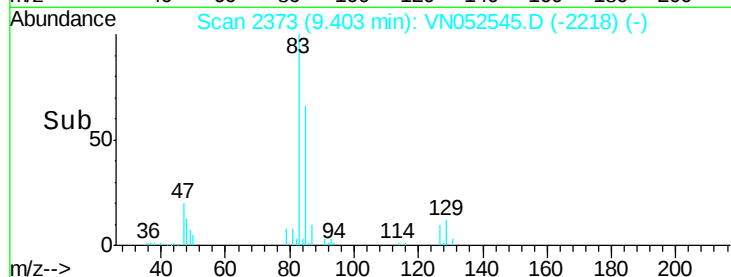
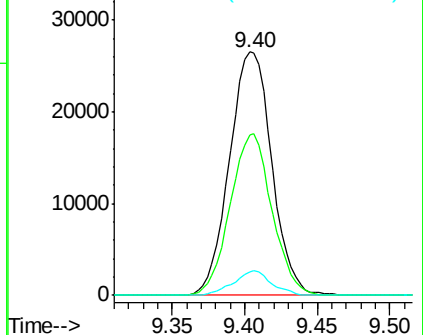
127 10.3 6.6 9.8#



Abundance Ion 83.00 (82.70 to 83.70): VN052456.D (-2357) (-)

Ion 85.00 (84.70 to 85.70): VN052456.D (-2357) (-)

Ion 127.00 (126.70 to 127.70): VN052456.D (-2357) (-)



#57

Chlorobenzene-d5

Concen: 30.000 ug/l

RT: 11.41 min Scan# 2997

Delta R.T. -0.00 min

Lab File: VN052545.D

Acq: 29 Nov 2018 3:27

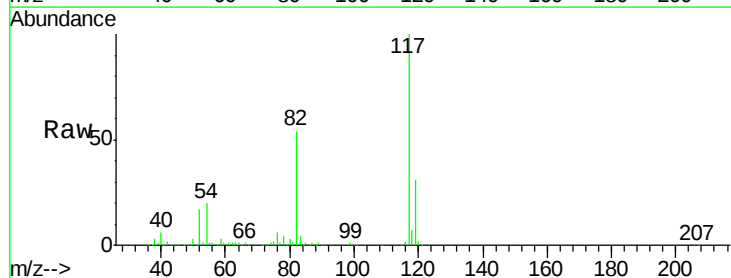
Tgt Ion: 117 Resp: 836464

Ion Ratio Lower Upper

117 100

82 54.0 44.2 66.2

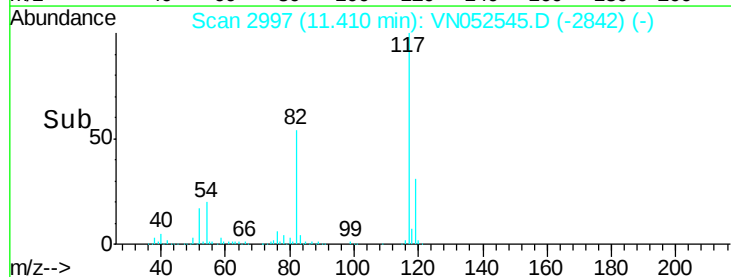
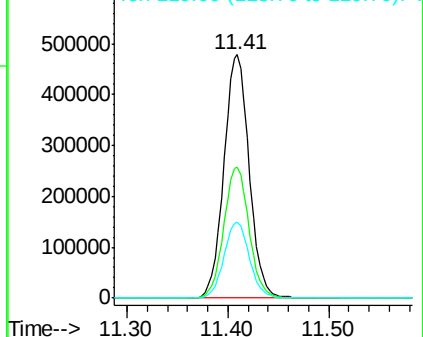
119 31.6 25.4 38.2

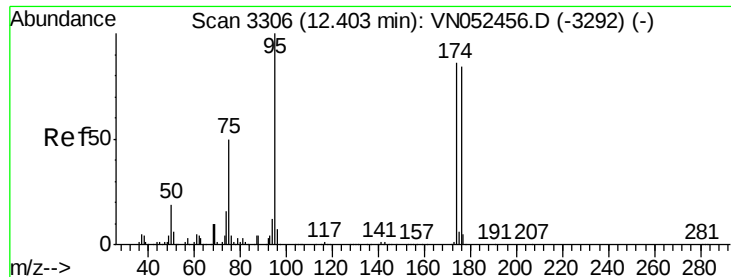


Abundance Ion 117.00 (116.70 to 117.70): VN052456.D (-2982) (-)

Ion 82.00 (81.70 to 82.70): VN052456.D (-2982) (-)

Ion 119.00 (118.70 to 119.70): VN052456.D (-2982) (-)





#60

4-Bromofluorobenzene

Concen: Below ug/l

RT: 12.40 min Scan# 3306

Delta R.T. -0.00 min

Lab File: VN052545.D

Acq: 29 Nov 2018 3:27

Instrument :

MSVOA_N

ClientSampled :

14B-2DL

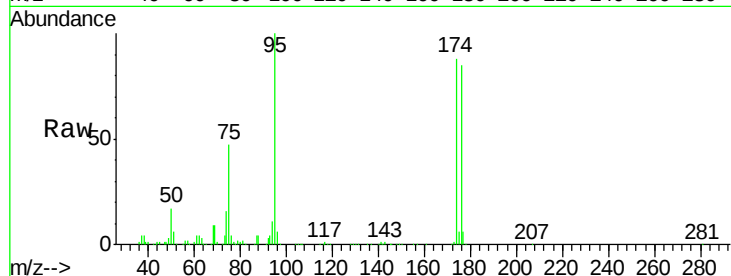
Tot Ion: 95 Resp: 335658

Ion Ratio Lower Upper

95 100

174 87.5 67.9 101.9

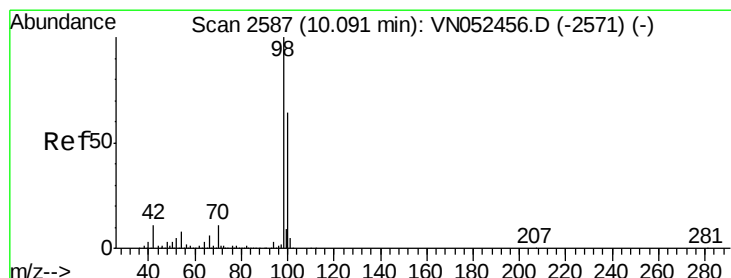
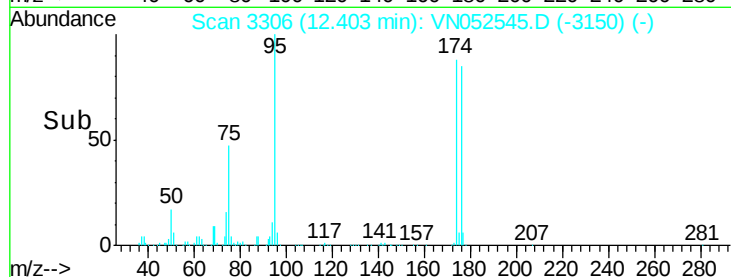
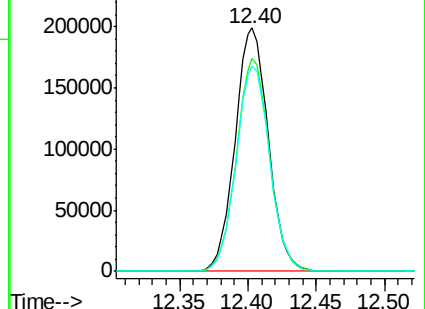
176 85.3 66.4 99.6



Abundance Ion 95.00 (94.70 to 95.70): VN052456.D (-3292) (-)

Ion 174.00 (173.70 to 174.70): VN052456.D (-3292) (-)

Ion 176.00 (175.70 to 176.70): VN052456.D (-3292) (-)



#63

Toluene-d8

Concen: Below ug/l

RT: 10.09 min Scan# 2587

Delta R.T. -0.00 min

Lab File: VN052545.D

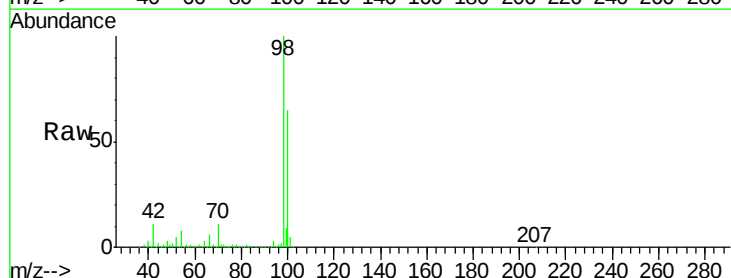
Acq: 29 Nov 2018 3:27

Tgt Ion: 98 Resp: 1167473

Ion Ratio Lower Upper

98 100

100 64.5 51.1 76.7



Abundance Ion 98.00 (97.70 to 98.70): VN052456.D (-2571) (-)

Ion 100.00 (99.70 to 100.70): VN052456.D (-2571) (-)

