

Data Path : Z:\VOASRV\HPCHEM1\MSVOA U\DATA\VU012119\
 Data File : VU029249.D
 Acq On : 21 Jan 2019 15:20
 Operator : JC/SP
 Sample : PB116506ZHE#09
 Misc : 5.0mL/MSVOA U/WATER
 ALS Vial : 16 Sample Multiplier: 1

Instrument :
 MSVOA_U
 ClientSampleId :
 PB116506ZHE#09

Quant Time: Jan 22 02:41:18 2019
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_U\METHOD\82U010319W.M
 Quant Title : SW846 8260
 QLast Update : Sat Jan 12 01:33:59 2019
 Response via : Initial Calibration

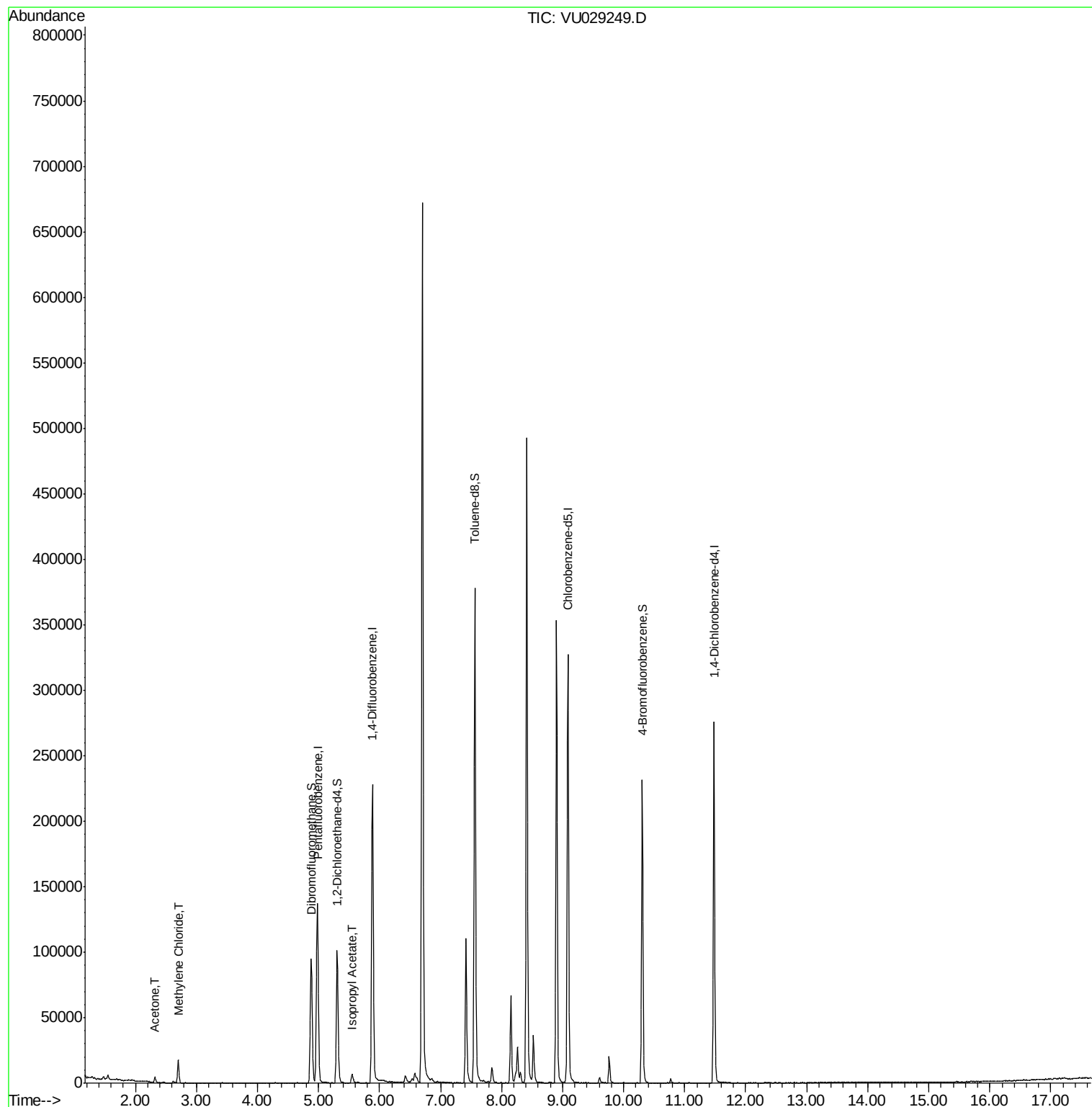
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	4.98	168	112989	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	5.88	114	198723	50.00	ug/l	0.00
63) Chlorobenzene-d5	9.09	117	188150	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	11.48	152	73622	50.00	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	5.31	65	76842	55.01	ug/l	0.00
Spiked Amount 50.000			Recovery	=	110.02%	
35) Dibromofluoromethane	4.88	113	67066	52.06	ug/l	0.00
Spiked Amount 50.000			Recovery	=	104.12%	
50) Toluene-d8	7.56	98	257360	50.61	ug/l	0.00
Spiked Amount 50.000			Recovery	=	101.22%	
62) 4-Bromofluorobenzene	10.30	95	79842	43.69	ug/l	0.00
Spiked Amount 50.000			Recovery	=	87.38%	
Target Compounds						
16) Acetone	2.32	43	4887	5.554	ug/l	91
20) Methylene Chloride	2.70	84	7665	5.131	ug/l	97
43) Isopropyl Acetate	5.55	43	8300	2.482	ug/l	94

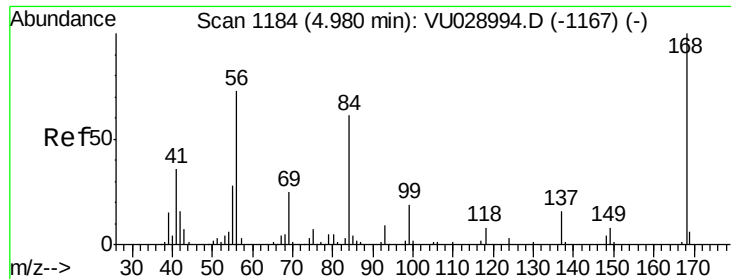
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 4.98 min Scan# 1185

Delta R.T. 0.00 min

Lab File: VU029249.D

Acq: 21 Jan 2019 15:20

Instrument :

MSVOA_U

ClientSampleId :

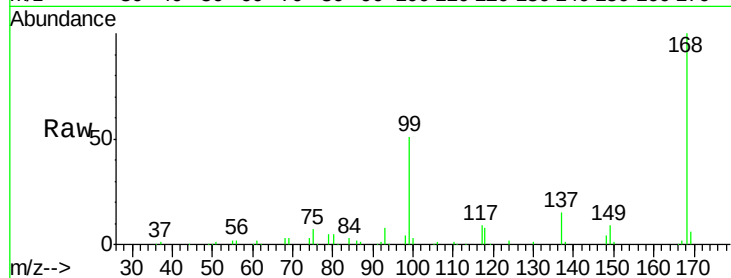
PB116506ZHE#09

Tot Ion:168 Resp: 112989

Ion Ratio Lower Upper

168 100

99 51.1 42.0 63.0



Abundance Ion 167.90 (167.60 to 168.60): VU028994.D (-1167) (-)

Ion 98.90 (98.60 to 99.60): VU028994.D (-1167) (-)

4.98

60000

50000

40000

30000

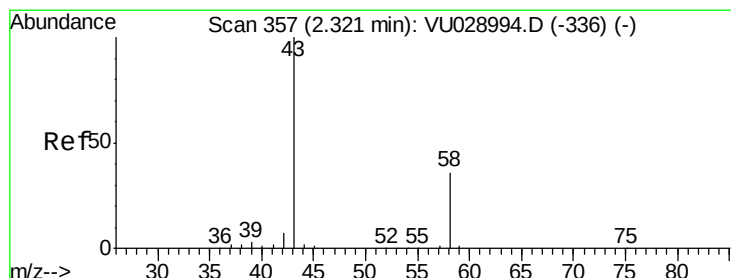
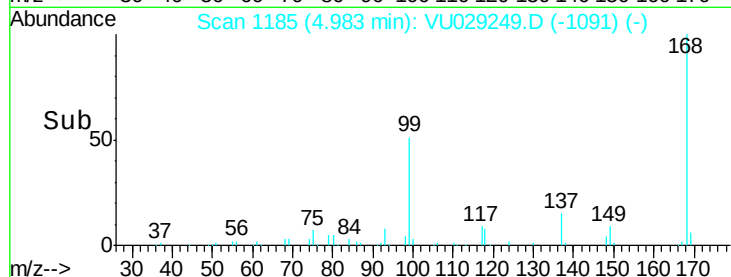
20000

10000

0

4.90 5.00 5.10

Time-->



#16

Acetone

Concen: 5.554 ug/l

RT: 2.32 min Scan# 357

Delta R.T. 0.00 min

Lab File: VU029249.D

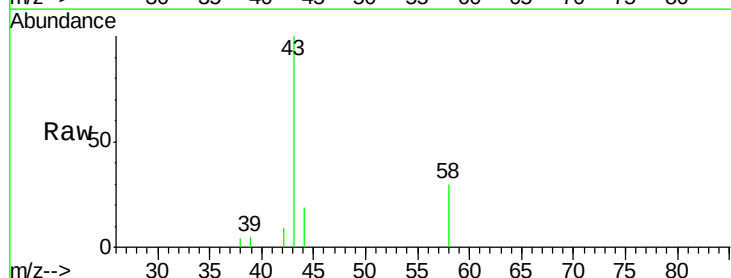
Acq: 21 Jan 2019 15:20

Tgt Ion: 43 Resp: 4887

Ion Ratio Lower Upper

43 100

58 30.2 28.6 42.8



Abundance Ion 43.00 (42.70 to 43.70): VU028994.D (-336) (-)

Ion 58.00 (57.70 to 58.70): VU028994.D (-336) (-)

2.32

3000

2500

2000

1500

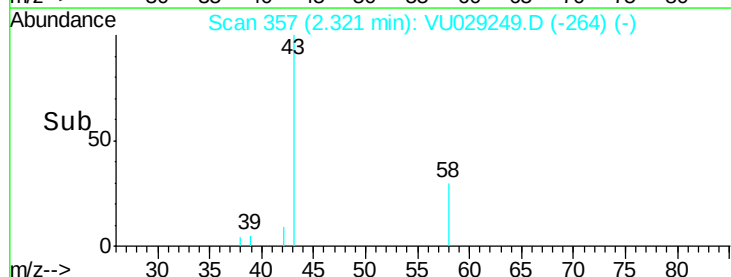
1000

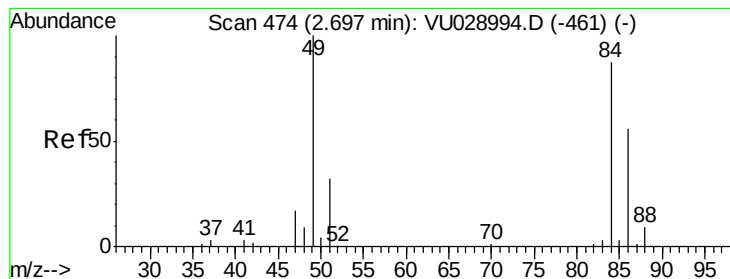
500

0

2.25 2.30 2.35 2.40

Time-->





#20

Methylene Chloride

Concen: 5.131 ug/l

RT: 2.70 min Scan# 476

Delta R.T. 0.01 min

Lab File: VU029249.D

Acq: 21 Jan 2019 15:20

Instrument :

MSVOA_U

ClientSampleId :

PB116506ZHE#09

Tot Ion: 84 Resp: 7665

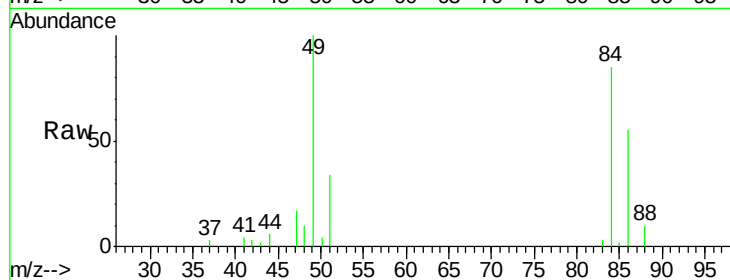
Ion Ratio Lower Upper

84 100

49 117.5 91.9 137.9

51 40.2 29.2 43.8

86 64.2 51.8 77.6

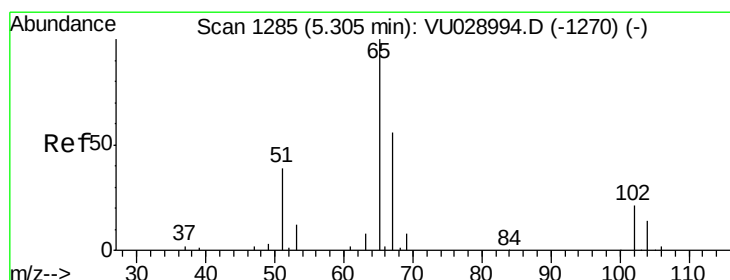
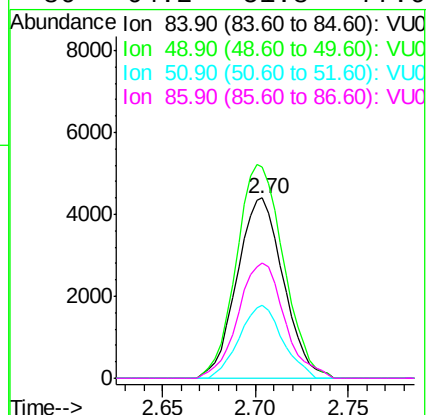
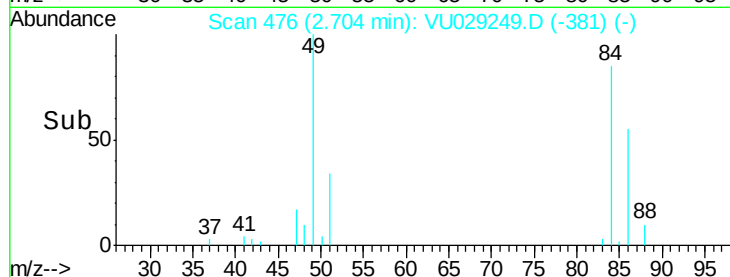


Abundance Ion 83.90 (83.60 to 84.60): VU0

Ion 48.90 (48.60 to 49.60): VU0

Ion 50.90 (50.60 to 51.60): VU0

Ion 85.90 (85.60 to 86.60): VU0



#33

1,2-Dichloroethane-d4

Concen: 55.014 ug/l

RT: 5.31 min Scan# 1286

Delta R.T. 0.00 min

Lab File: VU029249.D

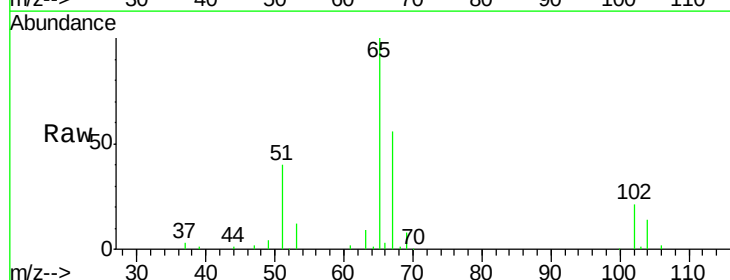
Acq: 21 Jan 2019 15:20

Tgt Ion: 65 Resp: 76842

Ion Ratio Lower Upper

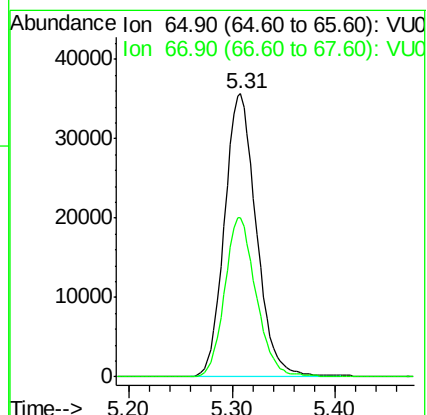
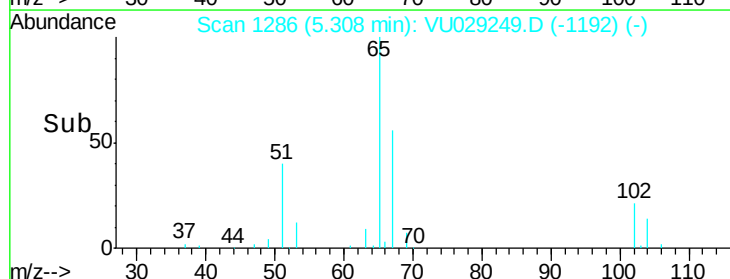
65 100

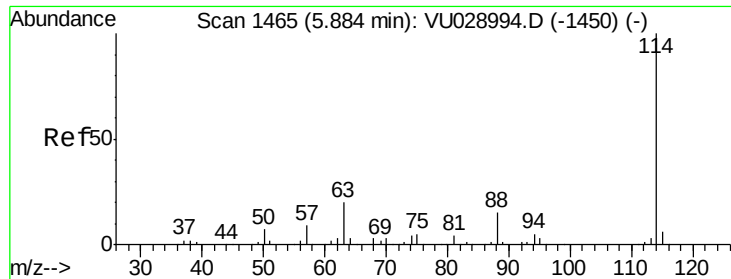
67 55.5 0.0 111.0



Abundance Ion 64.90 (64.60 to 65.60): VU0

Ion 66.90 (66.60 to 67.60): VU0





#34

1,4-Difluorobenzene

Concen: 50.000 ug/l

RT: 5.88 min Scan# 1465

Delta R.T. 0.00 min

Lab File: VU029249.D

Acq: 21 Jan 2019 15:20

Instrument :

MSVOA_U

ClientSampleId :

PB116506ZHE#09

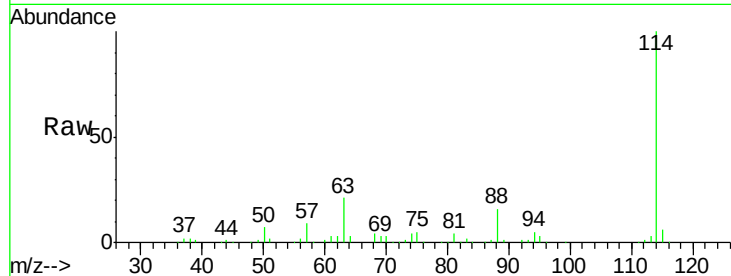
Tot Ion:114 Resp: 198723

Ion Ratio Lower Upper

114 100

63 20.7 0.0 40.2

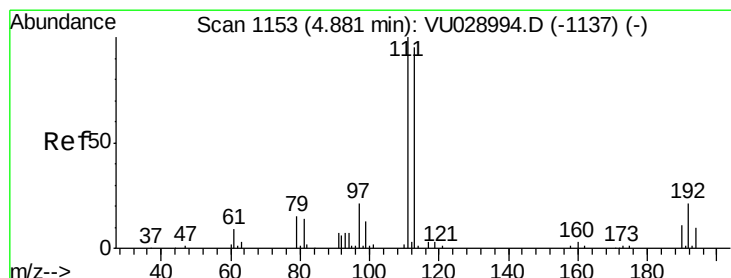
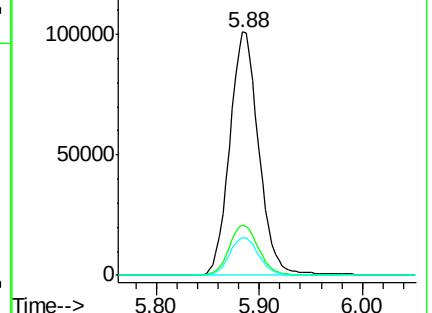
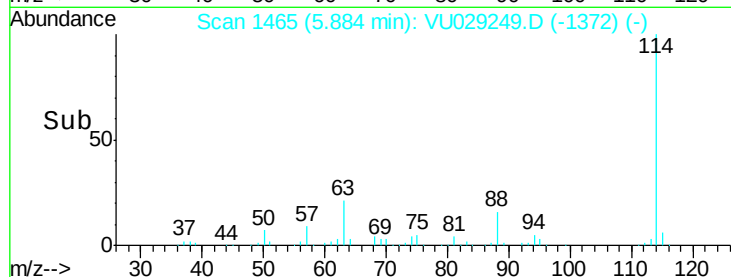
88 15.6 0.0 30.4



Abundance Ion 113.90 (113.60 to 114.60): V

Ion 63.00 (62.70 to 63.70): VU0

Ion 87.90 (87.60 to 88.60): VU0



#35

Dibromofluoromethane

Concen: 52.063 ug/l

RT: 4.88 min Scan# 1153

Delta R.T. 0.00 min

Lab File: VU029249.D

Acq: 21 Jan 2019 15:20

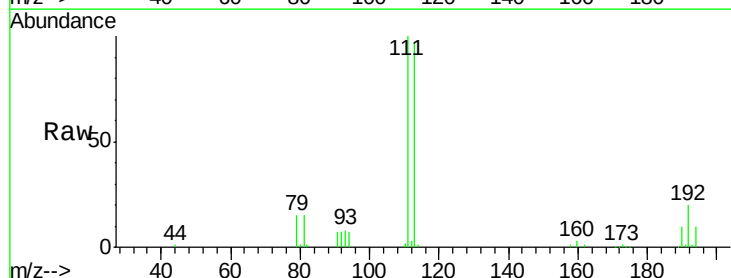
Tgt Ion:113 Resp: 67066

Ion Ratio Lower Upper

113 100

111 102.7 81.4 122.2

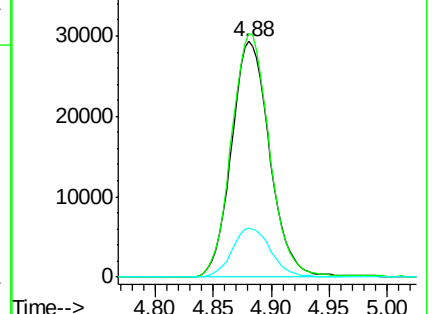
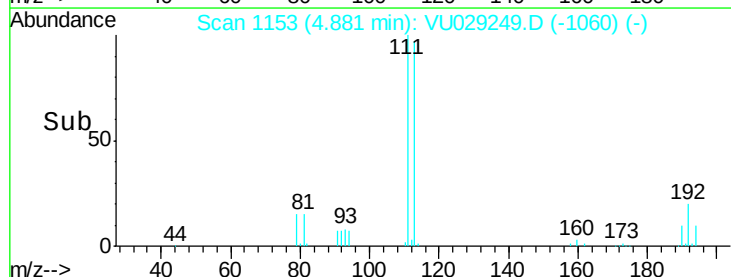
192 21.1 16.8 25.2

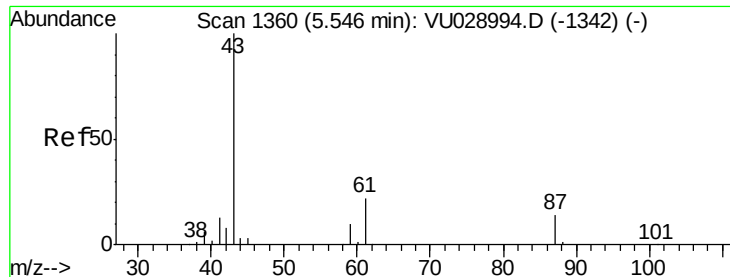


Abundance Ion 112.80 (112.50 to 113.50): V

Ion 110.80 (110.50 to 111.50): V

Ion 191.70 (191.40 to 192.40): V





#43

Isopropyl Acetate

Concen: 2.482 ug/l

RT: 5.55 min Scan# 1362

Delta R.T. 0.01 min

Lab File: VU029249.D

Acq: 21 Jan 2019 15:20

Instrument :

MSVOA_U

ClientSampleId :

PB116506ZHE#09

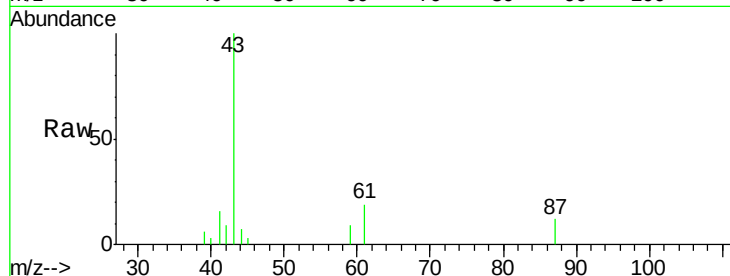
Tot Ion: 43 Resp: 8300

Ion Ratio Lower Upper

43 100

61 19.2 17.8 26.6

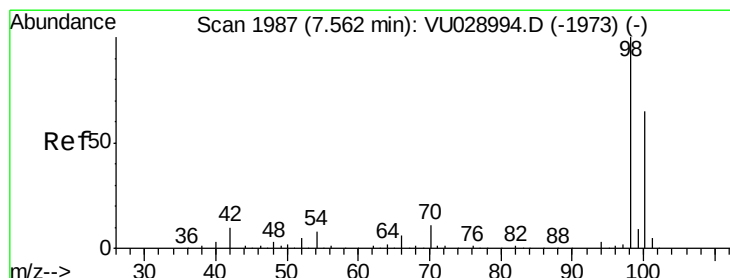
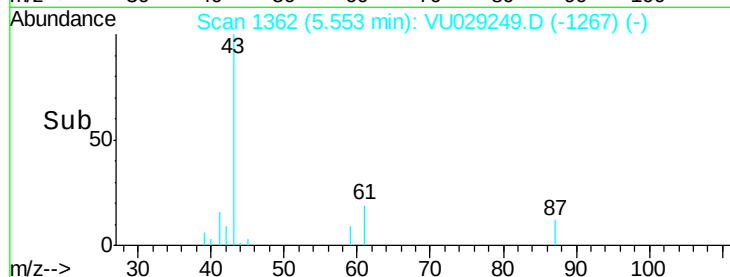
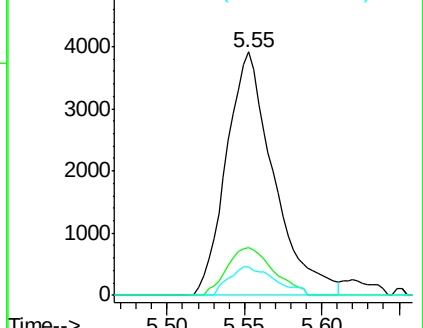
87 11.4 11.3 16.9



Abundance Ion 43.00 (42.70 to 43.70): VU028994.D (-1342) (-)

Ion 61.00 (60.70 to 61.70): VU028994.D (-1342) (-)

Ion 87.00 (86.70 to 87.70): VU028994.D (-1342) (-)



#50

Toluene-d8

Concen: 50.606 ug/l

RT: 7.56 min Scan# 1987

Delta R.T. 0.00 min

Lab File: VU029249.D

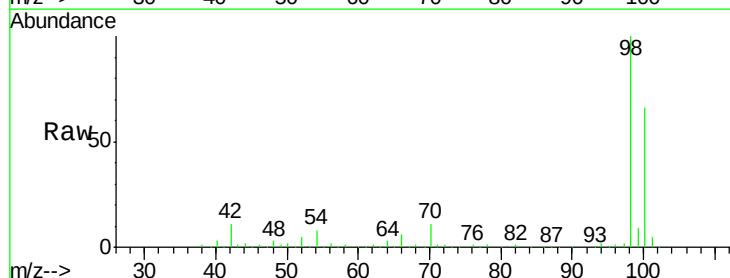
Acq: 21 Jan 2019 15:20

Tgt Ion: 98 Resp: 257360

Ion Ratio Lower Upper

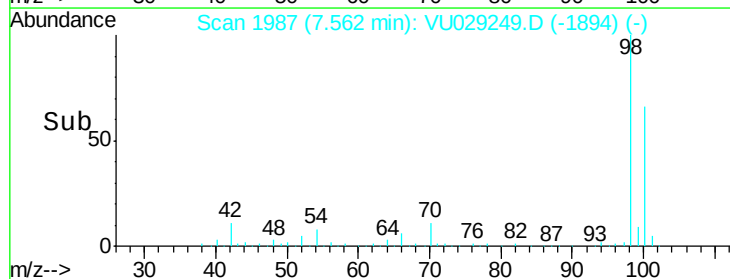
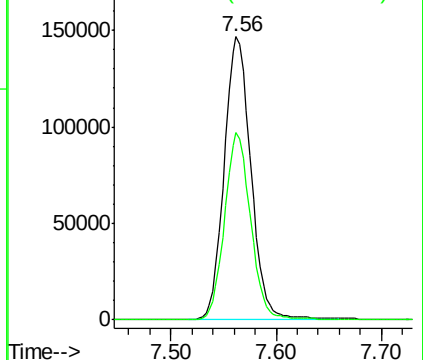
98 100

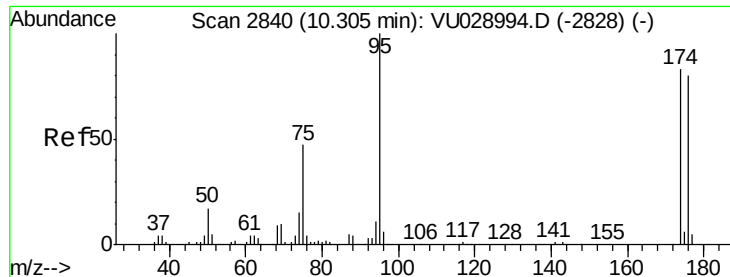
100 64.5 51.6 77.4



Abundance Ion 98.00 (97.70 to 98.70): VU028994.D (-1973) (-)

Ion 100.00 (99.70 to 100.70): VU028994.D (-1973) (-)





#62

4-Bromofluorobenzene

Concen: 43.685 ug/l

RT: 10.30 min Scan# 2840

Delta R.T. 0.00 min

Lab File: VU029249.D

Acq: 21 Jan 2019 15:20

Instrument :

MSVOA_U

ClientSampleId :

PB116506ZHE#09

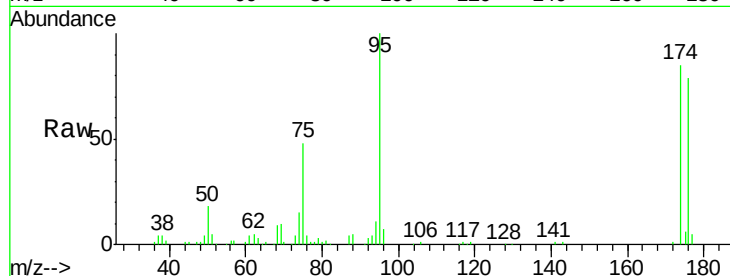
Tot Ion: 95 Resp: 79842

Ion Ratio Lower Upper

95 100

174 84.1 0.0 170.6

176 79.8 0.0 165.0

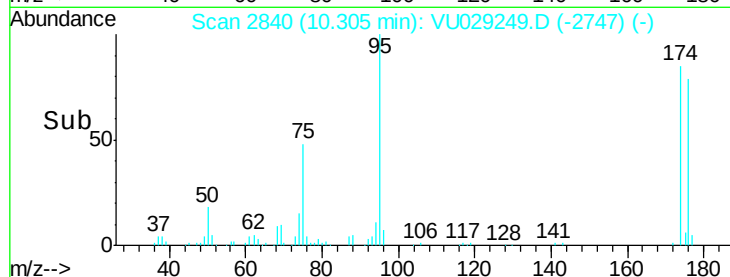


Abundance Ion 94.90 (94.60 to 95.60): VU028994.D (-2828) (-)

Ion 173.80 (173.50 to 174.50): VU028994.D (-2828) (-)

Ion 175.80 (175.50 to 176.50): VU028994.D (-2828) (-)

Time--> 10.20 10.30 10.40

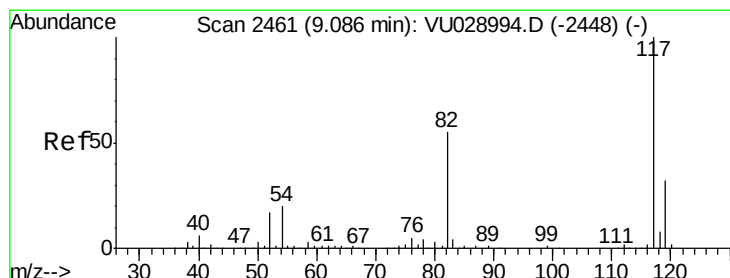


Abundance Ion 94.90 (94.60 to 95.60): VU029249.D (-2747) (-)

Ion 173.80 (173.50 to 174.50): VU029249.D (-2747) (-)

Ion 175.80 (175.50 to 176.50): VU029249.D (-2747) (-)

Time--> 10.20 10.30 10.40



#63

Chlorobenzene-d5

Concen: 50.000 ug/l

RT: 9.09 min Scan# 2461

Delta R.T. 0.00 min

Lab File: VU029249.D

Acq: 21 Jan 2019 15:20

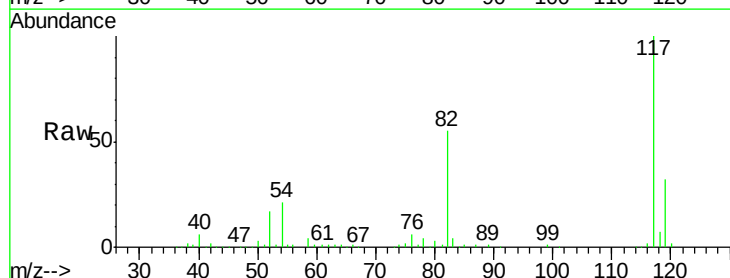
Tgt Ion: 117 Resp: 188150

Ion Ratio Lower Upper

117 100

82 55.3 43.9 65.9

119 32.1 26.0 39.0

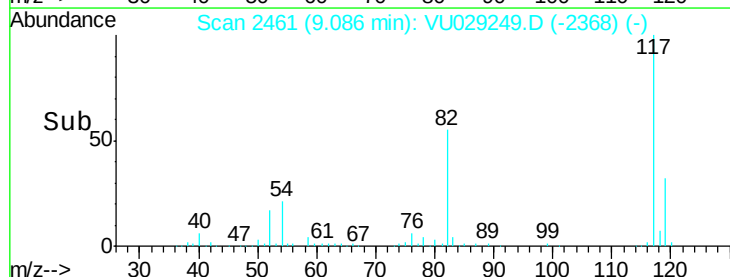


Abundance Ion 116.90 (116.60 to 117.60): VU028994.D (-2448) (-)

Ion 82.00 (81.70 to 82.70): VU028994.D (-2448) (-)

Ion 118.90 (118.60 to 119.60): VU028994.D (-2448) (-)

Time--> 9.00 9.10 9.20

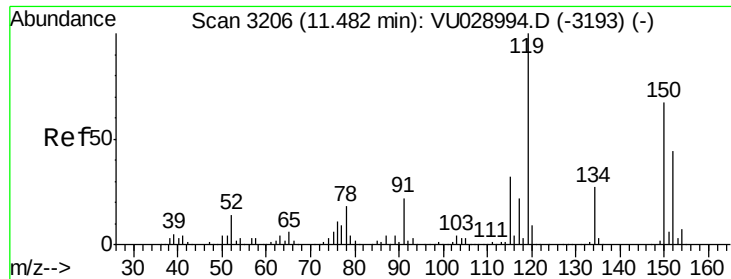


Abundance Ion 116.90 (116.60 to 117.60): VU029249.D (-2368) (-)

Ion 82.00 (81.70 to 82.70): VU029249.D (-2368) (-)

Ion 118.90 (118.60 to 119.60): VU029249.D (-2368) (-)

Time--> 9.00 9.10 9.20



#72
 1,4-Dichlorobenzene-d4
 Concen: 50.000 ug/l
 RT: 11.48 min Scan# 3206
 Delta R.T. 0.00 min
 Lab File: VU029249.D
 Acq: 21 Jan 2019 15:20

Instrument :
 MSVOA_U
 ClientSampleId :
 PB116506ZHE#09

Tot Ion:152 Resp: 73622
 Ion Ratio Lower Upper
 152 100
 115 56.2 40.1 120.3
 150 156.4 0.0 345.2

