

Data Path : Z:\VOASRV\HPCHEM1\MSVOA U\DATA\VU062018\
 Data File : VU024760.D
 Acq On : 20 Jun 2018 16:12
 Operator : MD/SY
 Sample : J3577-06 100X
 Misc : 5.0mL/MSVOA U/WATER
 ALS Vial : 12 Sample Multiplier: 1

Instrument :
 MSVOA_U
 ClientSampleId :
 545-IW-21

Quant Time: Jun 20 16:56:36 2018
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_U\METHOD\82U061318W.M
 Quant Title : SW846 8260
 QLast Update : Wed Jun 13 13:55:26 2018
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	4.99	168	195381	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	5.89	114	301691	50.00	ug/l	0.00
63) Chlorobenzene-d5	9.09	117	281395	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	11.49	152	152197	50.00	ug/l	0.00

System Monitoring Compounds	R.T.	QIon	Response	Conc	Units	Dev(Min)
33) 1,2-Dichloroethane-d4	5.31	65	135439	42.46	ug/l	0.00
Spiked Amount 50.000			Recovery	=	84.92%	
35) Dibromofluoromethane	4.89	113	117583	46.96	ug/l	0.00
Spiked Amount 50.000			Recovery	=	93.92%	
50) Toluene-d8	7.57	98	441419	48.33	ug/l	0.00
Spiked Amount 50.000			Recovery	=	96.66%	
62) 4-Bromofluorobenzene	10.31	95	158415	43.69	ug/l	0.00
Spiked Amount 50.000			Recovery	=	87.38%	

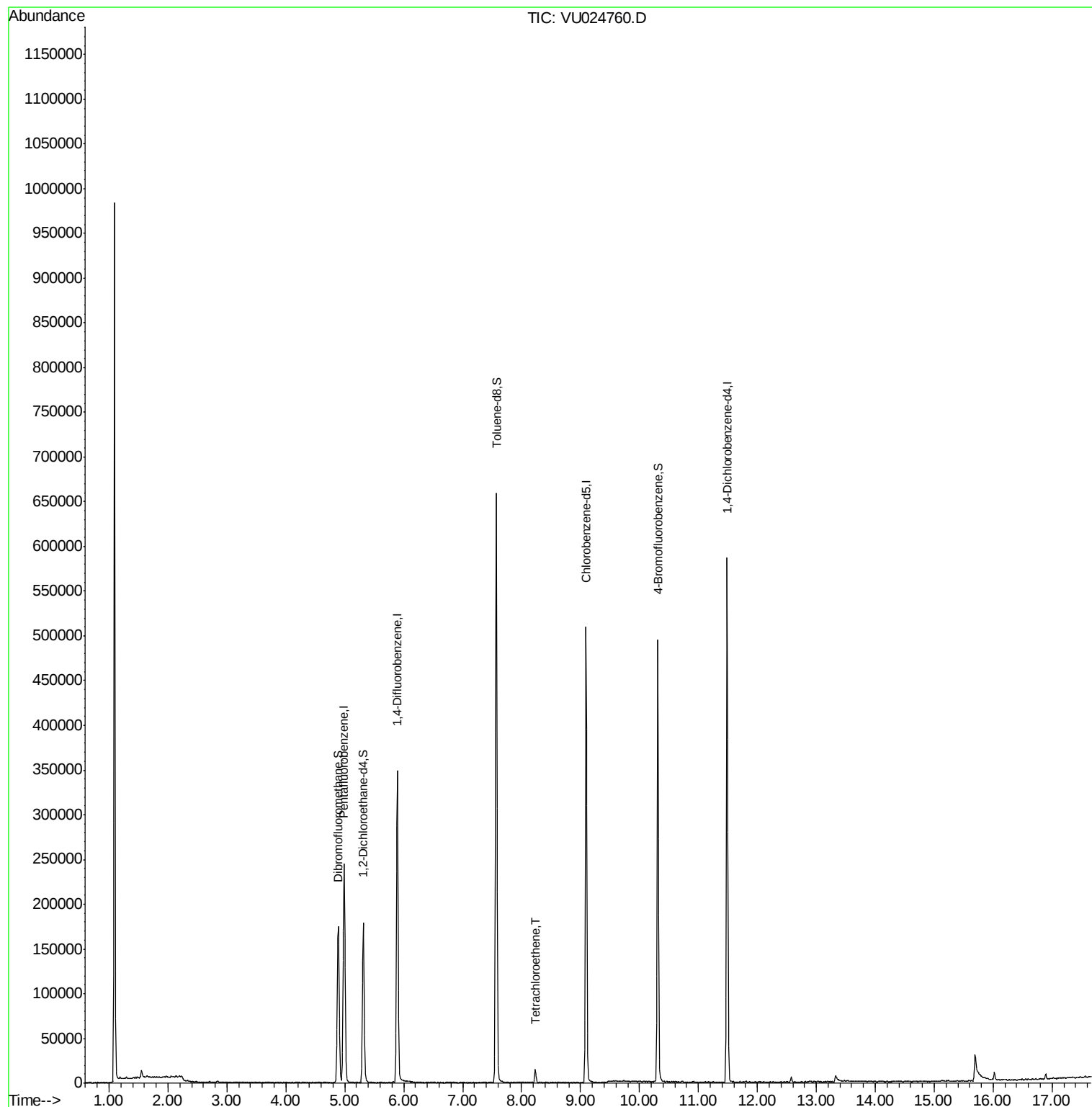
Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
64) Tetrachloroethene	8.23	164	3502	1.31	ug/l	94

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

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#1

Pentafluorobenzene

Concen: 50.00 ug/l

RT: 4.99 min Scan# 1368

Delta R.T. -0.00 min

Lab File: VU024760.D

Acq: 20 Jun 2018 16:12

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MSVOA_U

ClientSampleId :

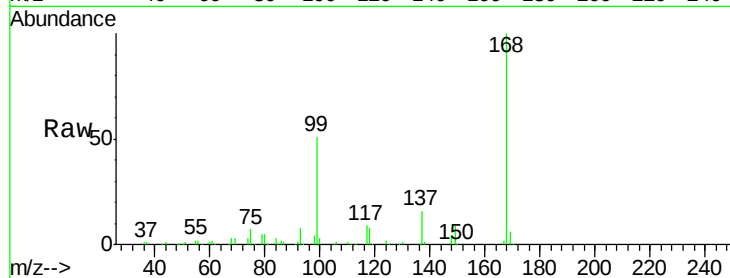
545-IW-21

Tot Ion:168 Resp: 195381

Ion Ratio Lower Upper

168 100

99 51.1 43.2 64.8



Abundance Ion 167.90 (167.60 to 168.60): VU024760.D (-1351) (-)

Ion 98.90 (98.60 to 99.60): VU024760.D (-1351) (-)

4.99

80000

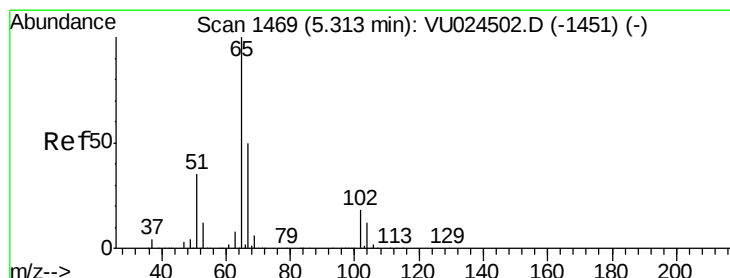
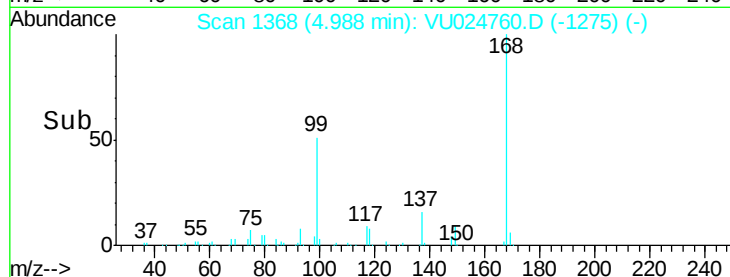
60000

40000

20000

0

Time-->



#33

1,2-Dichloroethane-d4

Concen: 42.46 ug/l

RT: 5.31 min Scan# 1469

Delta R.T. -0.00 min

Lab File: VU024760.D

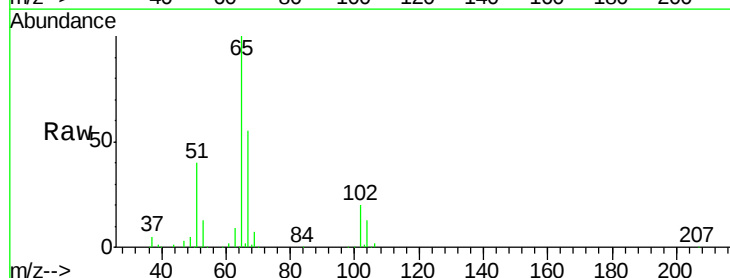
Acq: 20 Jun 2018 16:12

Tgt Ion: 65 Resp: 135439

Ion Ratio Lower Upper

65 100

67 54.2 0.0 107.0



Abundance Ion 64.90 (64.60 to 65.60): VU024760.D (-1451) (-)

Ion 66.90 (66.60 to 67.60): VU024760.D (-1451) (-)

5.31

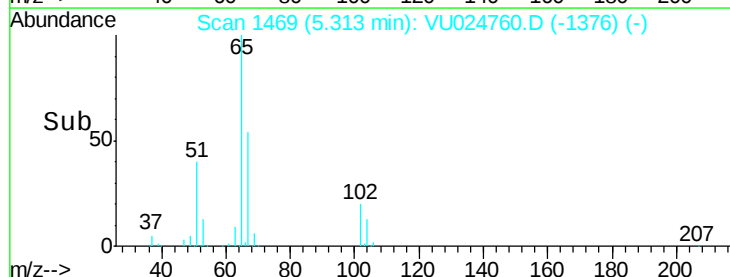
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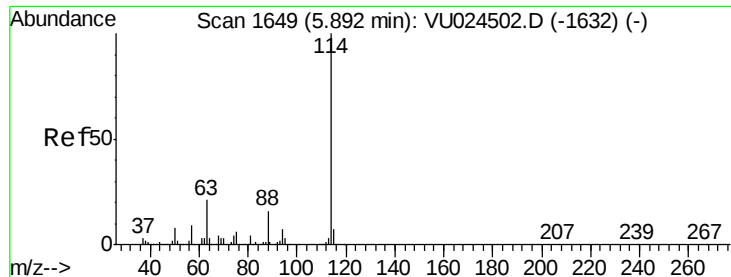
40000

20000

0

Time-->





#34

1,4-Difluorobenzene

Concen: 50.00 ug/l

RT: 5.89 min Scan# 1649

Delta R.T. -0.00 min

Lab File: VU024760.D

Acq: 20 Jun 2018 16:12

Instrument :

MSVOA_U

ClientSampleId :

545-IW-21

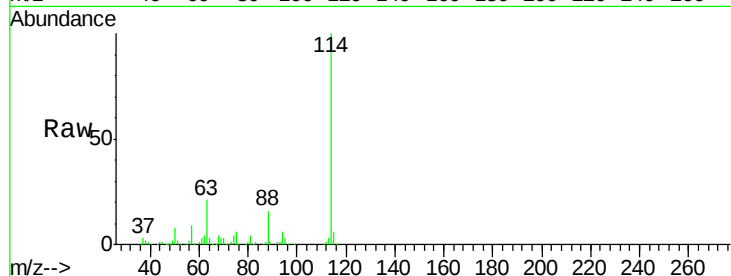
Tot Ion:114 Resp: 301691

Ion Ratio Lower Upper

114 100

63 21.0 0.0 45.4

88 16.1 0.0 31.0



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

200000

150000

100000

50000

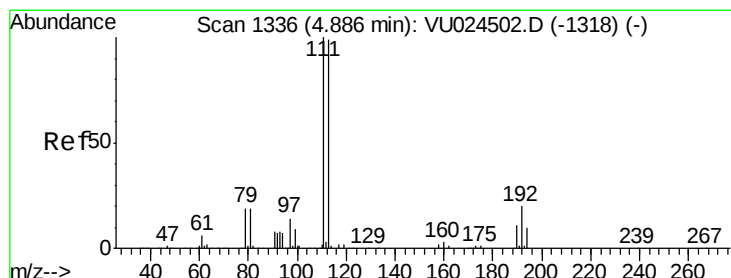
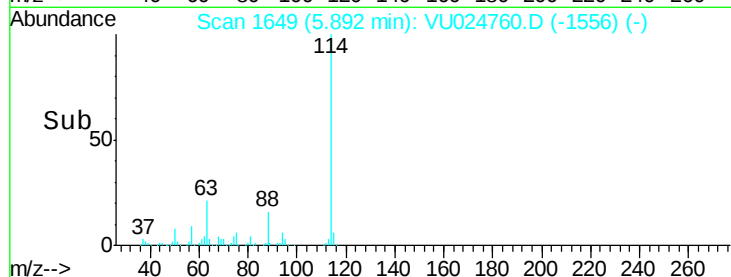
0

5.80

5.89

6.00

Time-->



#35

Dibromofluoromethane

Concen: 46.96 ug/l

RT: 4.89 min Scan# 1337

Delta R.T. 0.00 min

Lab File: VU024760.D

Acq: 20 Jun 2018 16:12

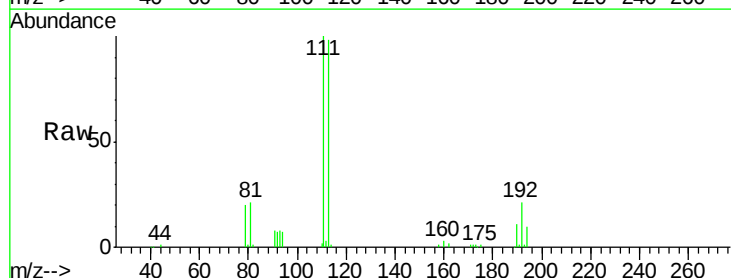
Tgt Ion:113 Resp: 117583

Ion Ratio Lower Upper

113 100

111 102.7 82.2 123.4

192 21.2 16.2 24.4



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

60000

40000

20000

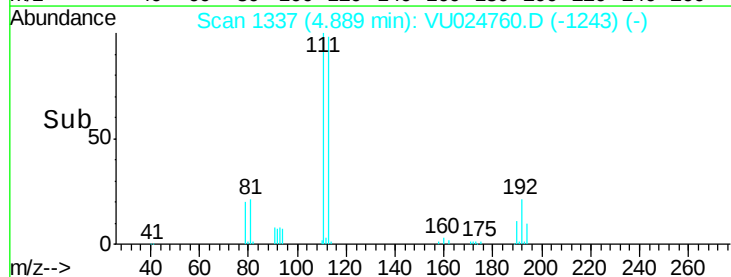
0

4.80

4.89

5.00

Time-->

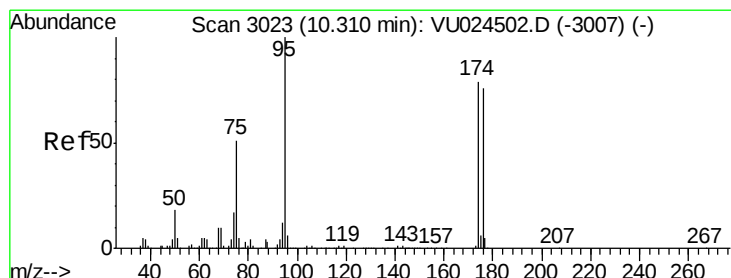
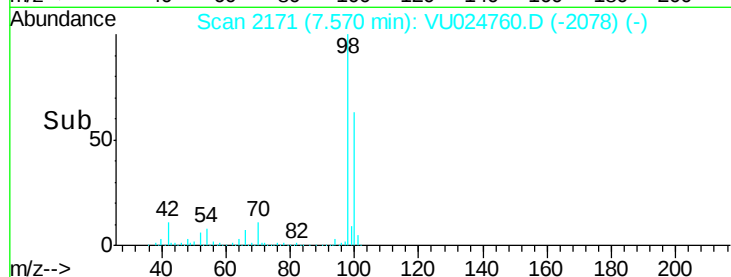
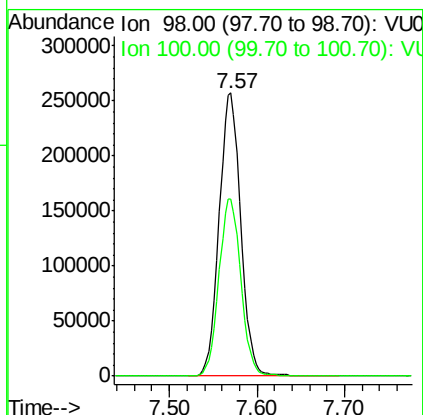
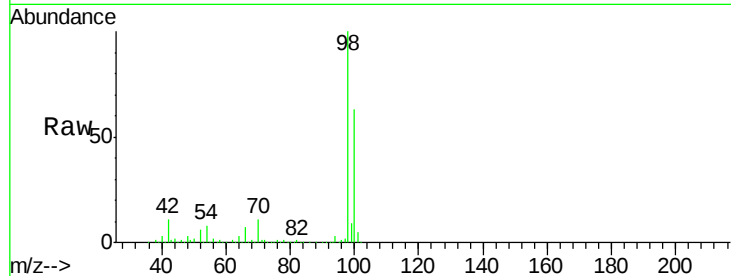




#50
Toluene-d8
Concen: 48.33 ug/l
RT: 7.57 min Scan# 2171
Delta R.T. -0.00 min
Lab File: VU024760.D
Acq: 20 Jun 2018 16:12

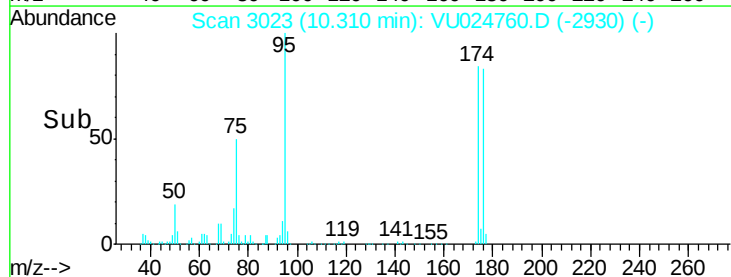
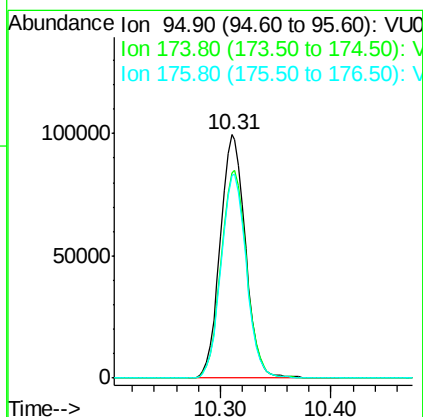
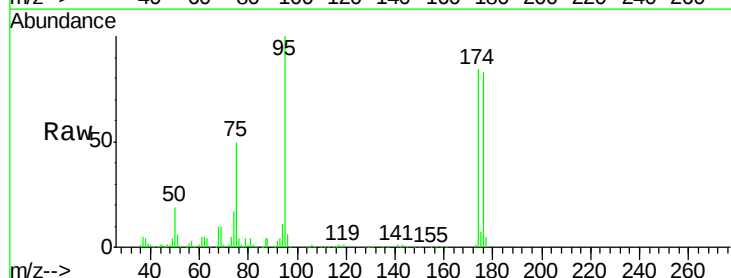
Instrument :
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545-IW-21

Tot Ion: 98 Resp: 441419
Ion Ratio Lower Upper
98 100
100 63.5 51.1 76.7



#62
4-Bromofluorobenzene
Concen: 43.69 ug/l
RT: 10.31 min Scan# 3023
Delta R.T. -0.00 min
Lab File: VU024760.D
Acq: 20 Jun 2018 16:12

Tgt Ion: 95 Resp: 158415
Ion Ratio Lower Upper
95 100
174 86.6 0.0 165.8
176 83.8 0.0 159.4

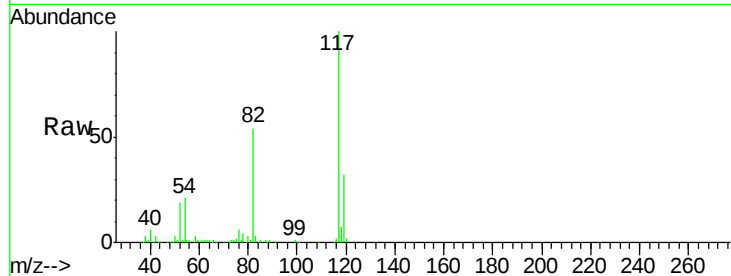




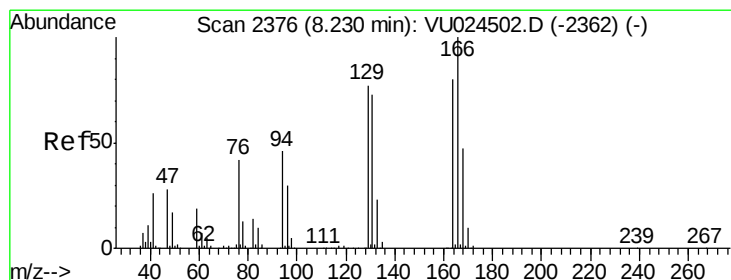
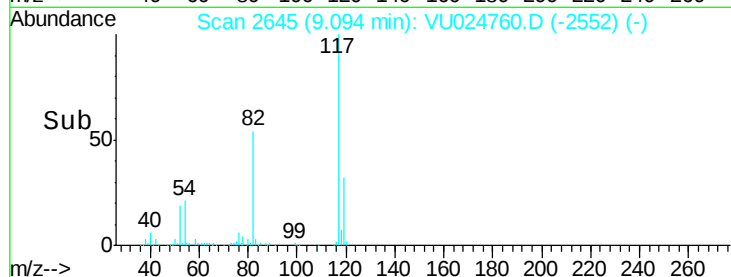
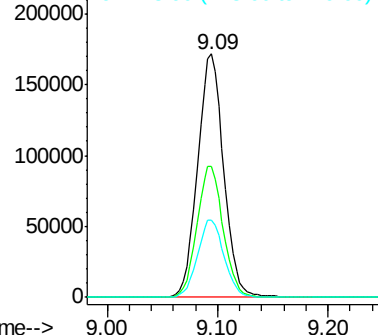
#63
Chlorobenzene-d5
Concen: 50.00 ug/l
RT: 9.09 min Scan# 2645
Delta R.T. -0.00 min
Lab File: VU024760.D
Acq: 20 Jun 2018 16:12

Instrument :
MSVOA_U
ClientSampleId :
545-IW-21

Tot Ion	Ratio	Lower	Upper
117	100		
82	53.8	44.3	66.5
119	31.8	25.4	38.2



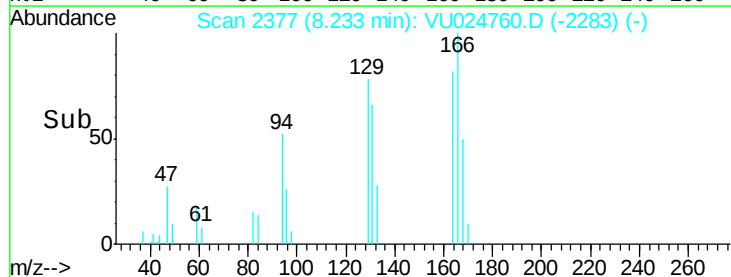
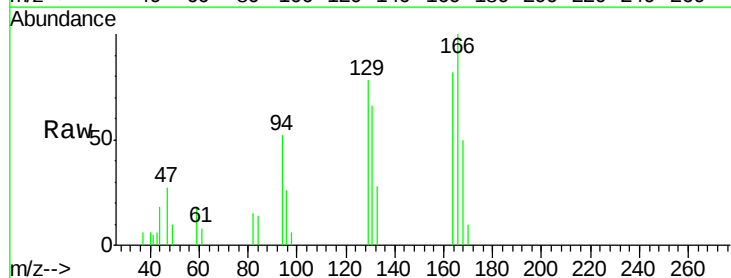
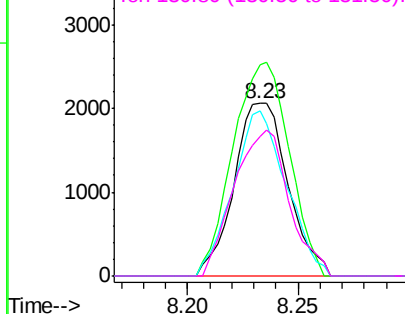
Abundance Ion 116.90 (116.60 to 117.60): V
Ion 82.00 (81.70 to 82.70): V
Ion 118.90 (118.60 to 119.60): V

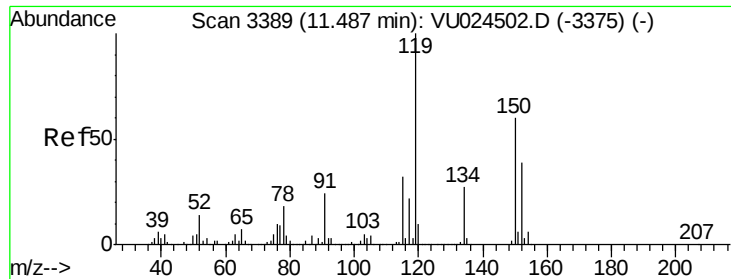


#64
Tetrachloroethene
Concen: 1.31 ug/l
RT: 8.23 min Scan# 2377
Delta R.T. 0.00 min
Lab File: VU024760.D
Acq: 20 Jun 2018 16:12

Tgt Ion	Ratio	Lower	Upper
164	100		
166	122.5	101.7	152.5
129	95.6	76.9	115.3
131	80.7	74.9	112.3

Abundance Ion 163.80 (163.50 to 164.50): V
Ion 165.80 (165.50 to 166.50): V
Ion 128.80 (128.50 to 129.50): V
Ion 130.80 (130.50 to 131.50): V





#72

1,4-Dichlorobenzene-d4

Concen: 50.00 ug/l

RT: 11.49 min Scan# 3389

Delta R.T. -0.00 min

Lab File: VU024760.D

Acq: 20 Jun 2018 16:12

Instrument :

MSVOA_U

ClientSampleId :

545-IW-21

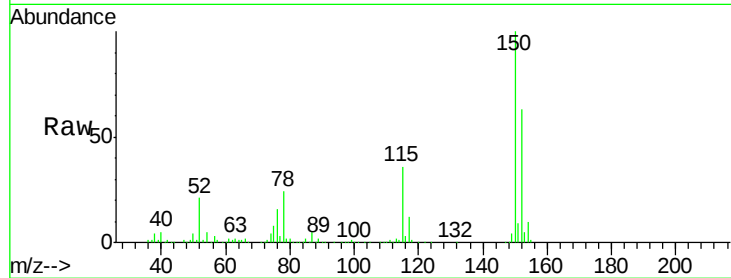
Tot Ion:152 Resp: 152197

Ion Ratio Lower Upper

152 100

115 56.1 43.0 129.0

150 157.7 0.0 354.0



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

