

Data Path : Z:\VOASRV\HPCHEM1\MSVOA U\DATA\VU062318\
 Data File : VU024854.D
 Acq On : 23 Jun 2018 00:17
 Operator : MD/SY
 Sample : J3662-06
 Misc : 5.0mL/MSVOA U/WATER
 ALS Vial : 17 Sample Multiplier: 1

Instrument :
 MSVOA_U
 ClientSampleId :
 WP021MW352-180619

Quant Time: Jun 23 04:37:16 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	192809	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	5.89	114	292747	50.00	ug/l	0.00
63) Chlorobenzene-d5	9.09	117	282341	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	11.49	152	152675	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	142819	45.37	ug/l	0.00
Spiked Amount			Recovery	=	90.74%	
35) Dibromofluoromethane	4.89	113	114923	47.30	ug/l	0.00
Spiked Amount			Recovery	=	94.60%	
50) Toluene-d8	7.57	98	437126	49.33	ug/l	0.00
Spiked Amount			Recovery	=	98.66%	
62) 4-Bromofluorobenzene	10.31	95	162887	46.29	ug/l	0.00
Spiked Amount			Recovery	=	92.58%	

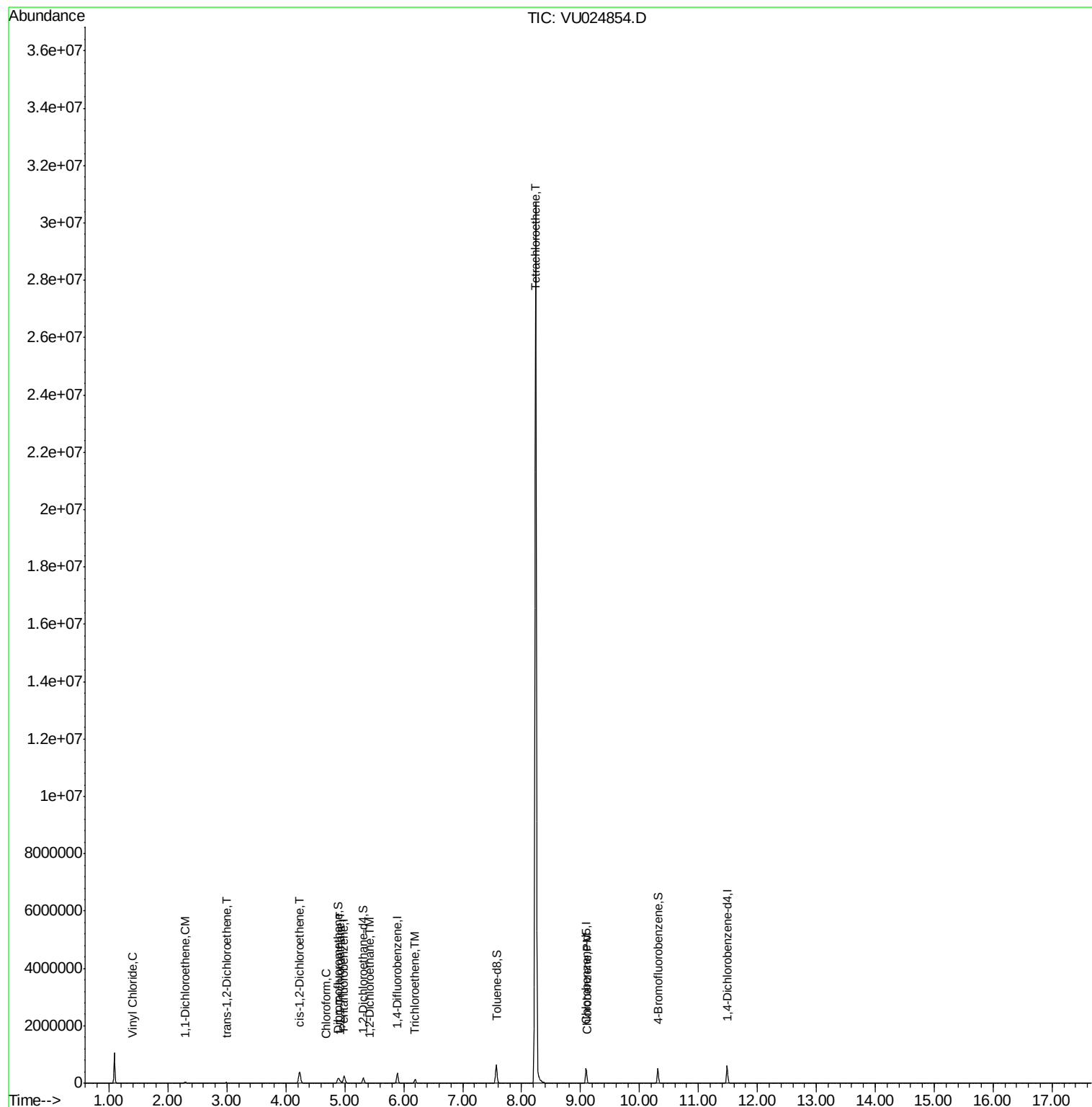
Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
4) Vinyl Chloride	1.40	62	4407	1.73	ug/l	91
12) 1,1-Dichloroethene	2.29	96	11777	5.36	ug/l	89
21) trans-1,2-Dichloroethene	3.00	96	8294	3.43	ug/l	87
27) cis-1,2-Dichloroethene	4.23	96	224145	80.63	ug/l	87
30) Chloroform	4.69	83	1368	0.29	ug/l #	69
32) 1,1,1-Trichloroethane	4.92	97	52033	11.96	ug/l	95
42) 1,2-Dichloroethane	5.41	62	8320	2.23	ug/l	99
44) Trichloroethene	6.19	130	49252	17.66	ug/l	96
64) Tetrachloroethene	8.24	164	6944589	2587.63	ug/l	99
65) Chlorobenzene	9.12	112	8367	1.16	ug/l	96

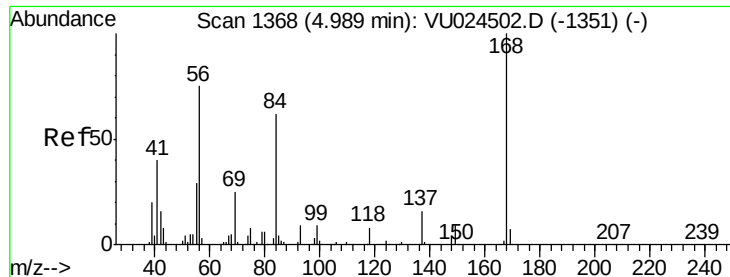
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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Quant Method : Z:\V0ASRV\HPCHEM1\MSVOA_U\METHOD\82U061318W.M
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QLast Update : Wed Jun 13 13:55:26 2018
Response via : Initial Calibration





#1

Pentafluorobenzene

Concen: 50.00 ug/l

RT: 4.99 min Scan# 1368

Delta R.T. -0.00 min

Lab File: VU024854.D

Acq: 23 Jun 2018 00:17

Instrument :

MSVOA_U

ClientSampleId :

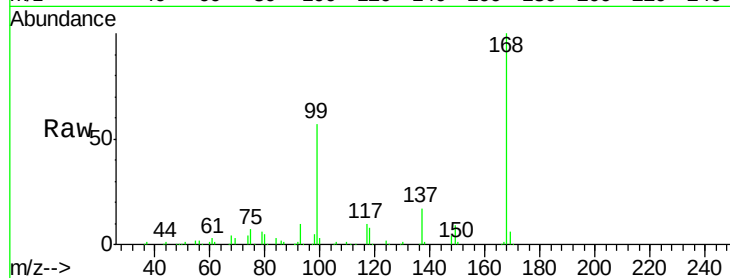
WP021MW352-180619

Tot Ion:168 Resp: 192809

Ion Ratio Lower Upper

168 100

99 56.9 43.2 64.8



Abundance Ion 167.90 (167.60 to 168.60): V

Ion 98.90 (98.60 to 99.60): VU0

4.99

80000

60000

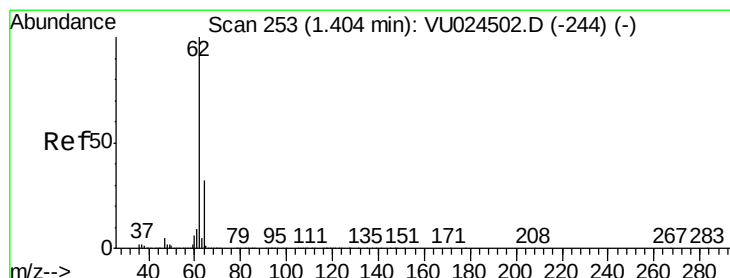
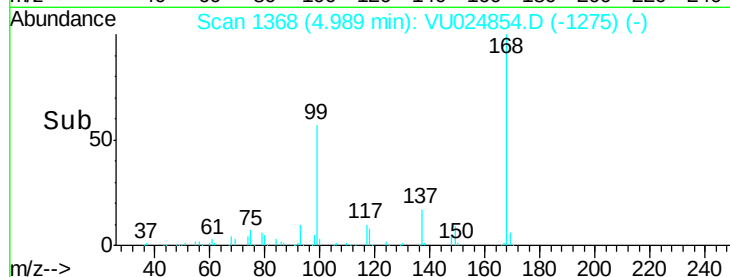
40000

20000

0

4.90 5.00 5.10

Time-->



#4

Vinyl Chloride

Concen: 1.73 ug/l

RT: 1.40 min Scan# 253

Delta R.T. -0.00 min

Lab File: VU024854.D

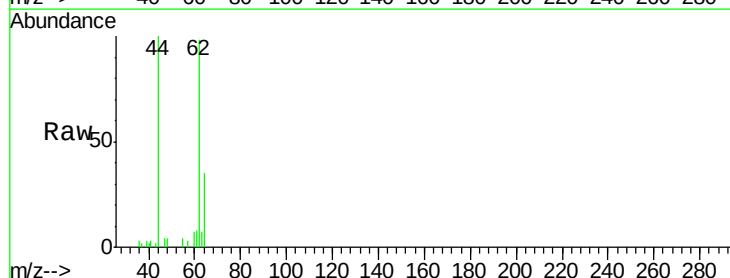
Acq: 23 Jun 2018 00:17

Tgt Ion: 62 Resp: 4407

Ion Ratio Lower Upper

62 100

64 35.8 24.8 37.2



Abundance Ion 61.90 (61.60 to 62.60): VU0

Ion 63.90 (63.60 to 64.60): VU0

1.40

5000

4000

3000

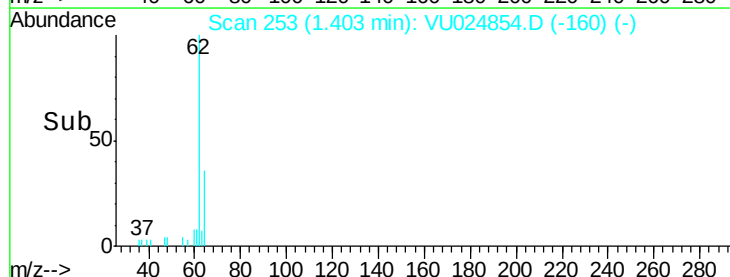
2000

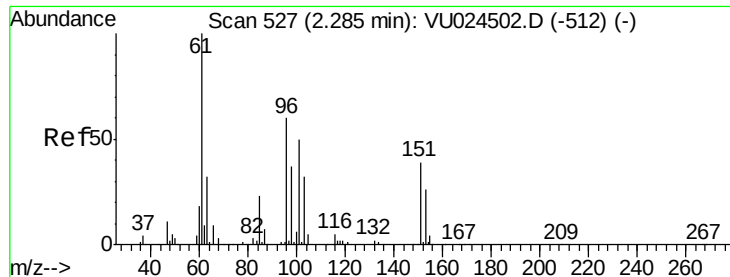
1000

0

1.40 1.45

Time-->





#12

1,1-Dichloroethene

Concen: 5.36 ug/l

RT: 2.29 min Scan# 529

Delta R.T. 0.01 min

Lab File: VU024854.D

Acq: 23 Jun 2018 00:17

Instrument :

MSVOA_U

ClientSampleId :

WP021MW352-180619

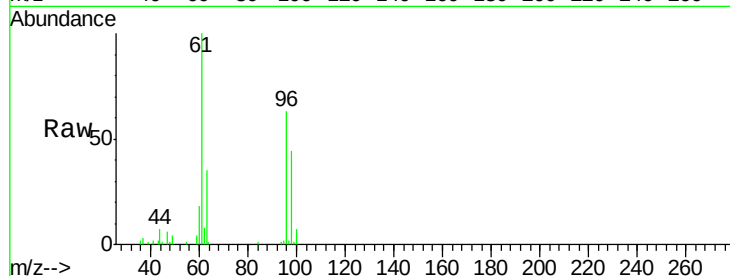
Tot Ion: 96 Resp: 11777

Ion Ratio Lower Upper

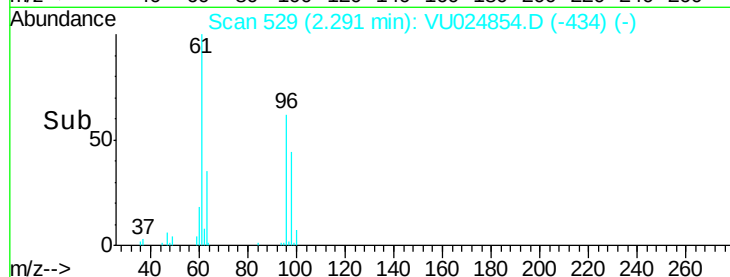
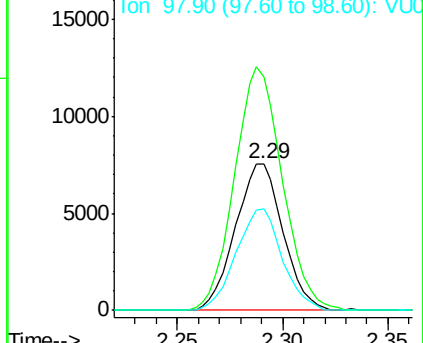
96 100

61 159.6 141.7 212.5

98 69.6 51.6 77.4



Abundance Ion 95.90 (95.60 to 96.60): VU0
Ion 60.90 (60.60 to 61.60): VU0
Ion 97.90 (97.60 to 98.60): VU0



#21

trans-1,2-Dichloroethene

Concen: 3.43 ug/l

RT: 3.00 min Scan# 748

Delta R.T. 0.01 min

Lab File: VU024854.D

Acq: 23 Jun 2018 00:17

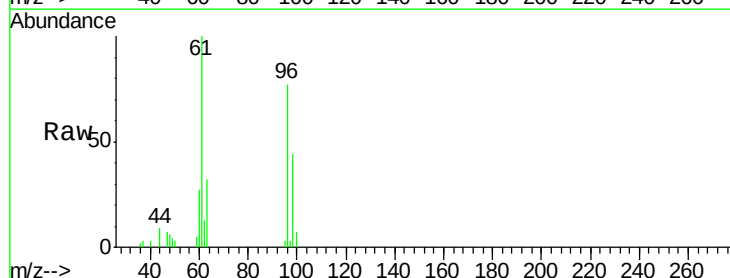
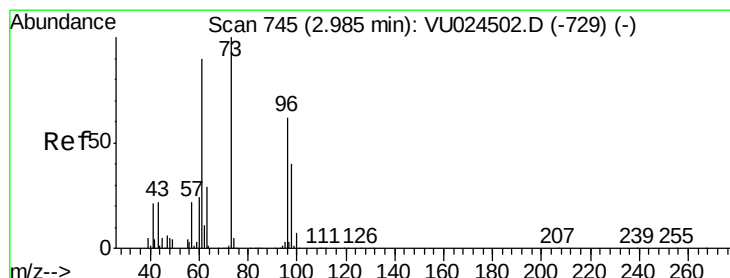
Tgt Ion: 96 Resp: 8294

Ion Ratio Lower Upper

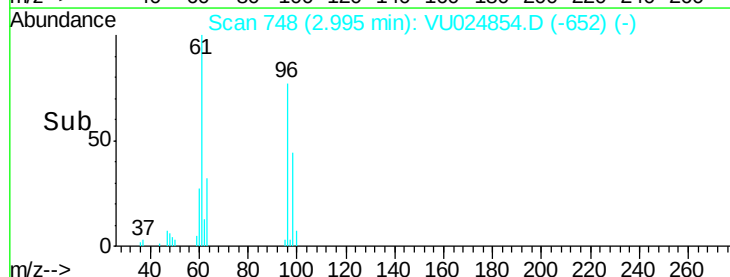
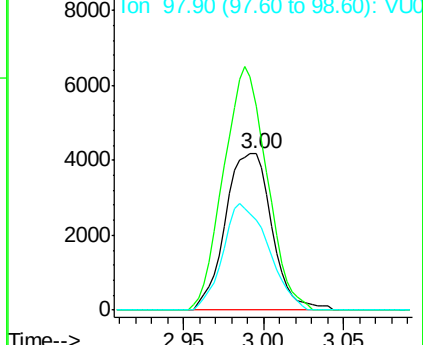
96 100

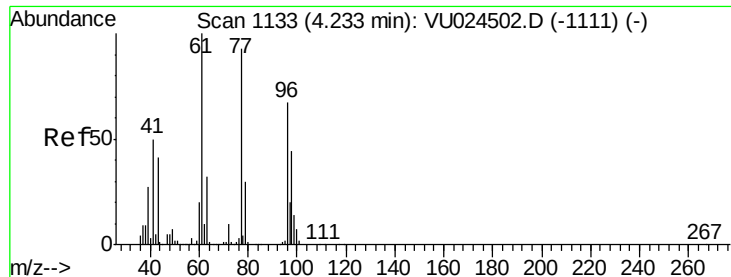
61 130.6 119.4 179.0

98 58.0 51.1 76.7



Abundance Ion 95.90 (95.60 to 96.60): VU0
Ion 60.90 (60.60 to 61.60): VU0
Ion 97.90 (97.60 to 98.60): VU0





#27

cis-1,2-Dichloroethene

Concen: 80.63 ug/l

RT: 4.23 min Scan# 1133

Delta R.T. -0.00 min

Lab File: VU024854.D

Acq: 23 Jun 2018 00:17

Instrument :

MSVOA_U

ClientSampleId :

WP021MW352-180619

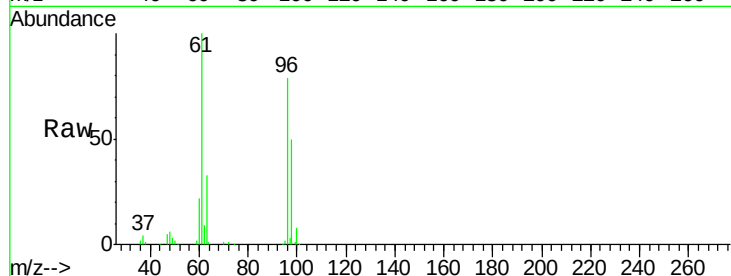
Tot Ion: 96 Resp: 224145

Ion Ratio Lower Upper

96 100

61 130.2 0.0 306.6

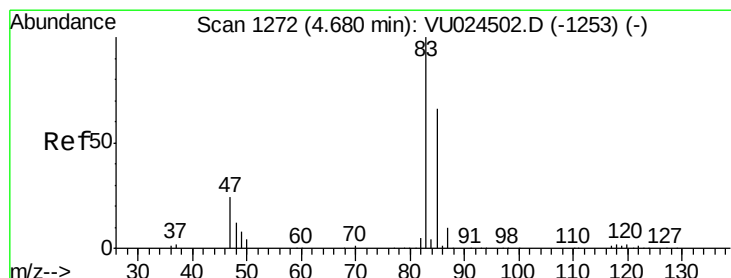
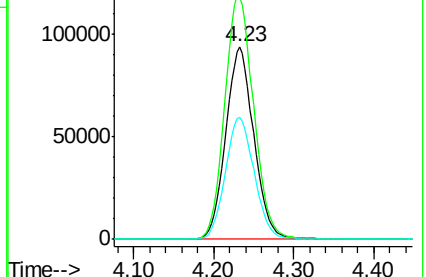
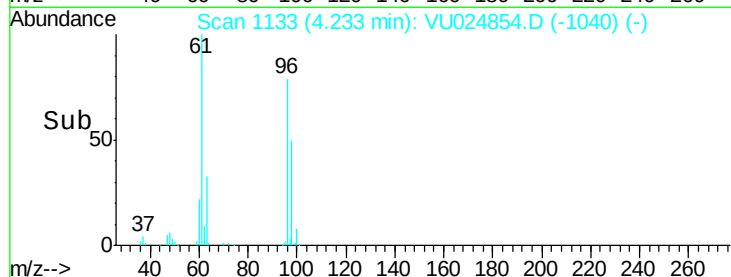
98 64.9 0.0 128.8



Abundance Ion 95.90 (95.60 to 96.60): VU0

Ion 60.90 (60.60 to 61.60): VU0

Ion 97.90 (97.60 to 98.60): VU0



#30

Chloroform

Concen: 0.29 ug/l

RT: 4.69 min Scan# 1274

Delta R.T. 0.01 min

Lab File: VU024854.D

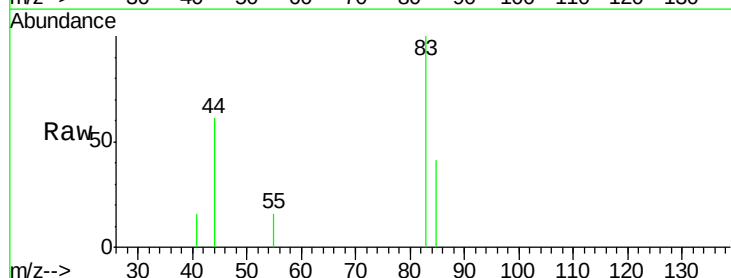
Acq: 23 Jun 2018 00:17

Tgt Ion: 83 Resp: 1368

Ion Ratio Lower Upper

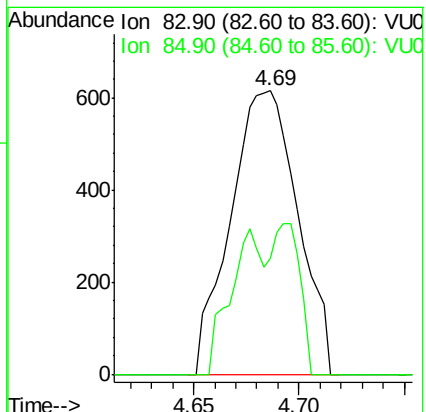
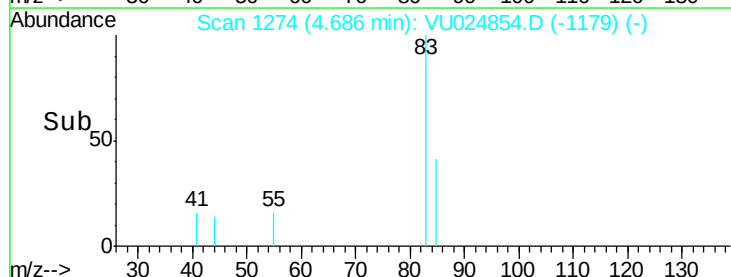
83 100

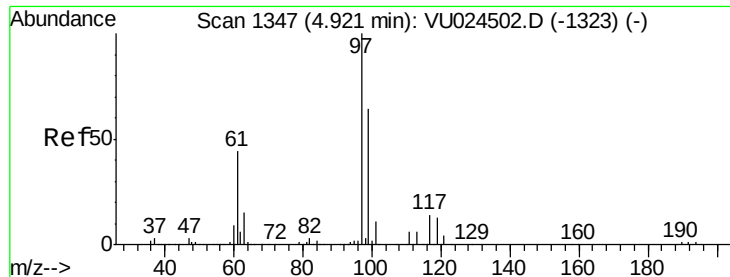
85 41.0 52.4 78.6#



Abundance Ion 82.90 (82.60 to 83.60): VU0

Ion 84.90 (84.60 to 85.60): VU0





#32

1,1,1-Trichloroethane

Concen: 11.96 ug/l

RT: 4.92 min Scan# 1347

Delta R.T. -0.00 min

Lab File: VU024854.D

Acq: 23 Jun 2018 00:17

Instrument :

MSVOA_U

ClientSampleId :

WP021MW352-180619

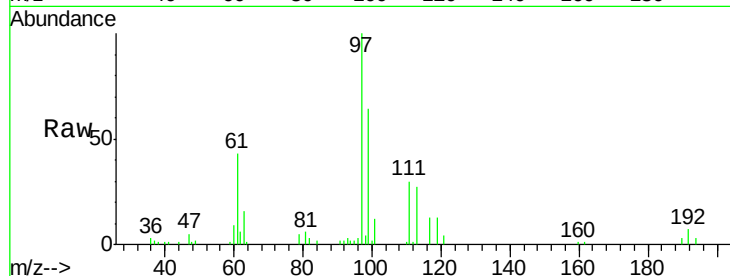
Tot Ion: 97 Resp: 52033

Ion Ratio Lower Upper

97 100

99 62.2 51.0 76.6

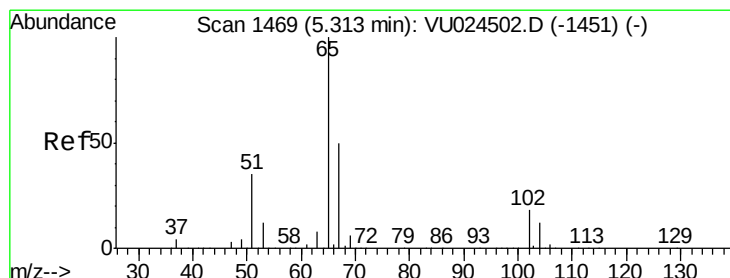
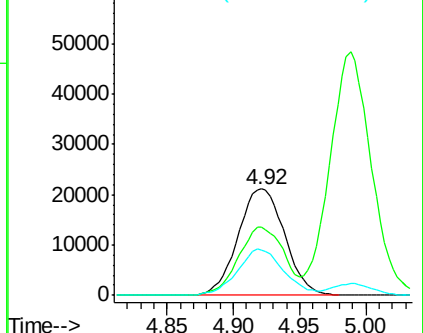
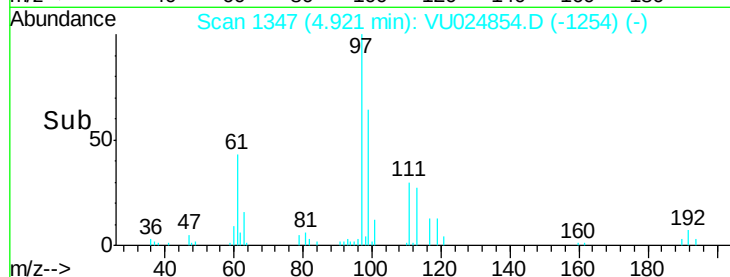
61 42.9 39.4 59.0



Abundance Ion 96.90 (96.60 to 97.60): VU024854.D (-1254) (-)

Ion 98.90 (98.60 to 99.60): VU024854.D (-1254) (-)

Ion 60.90 (60.60 to 61.60): VU024854.D (-1254) (-)



#33

1,2-Dichloroethane-d4

Concen: 45.37 ug/l

RT: 5.31 min Scan# 1469

Delta R.T. -0.00 min

Lab File: VU024854.D

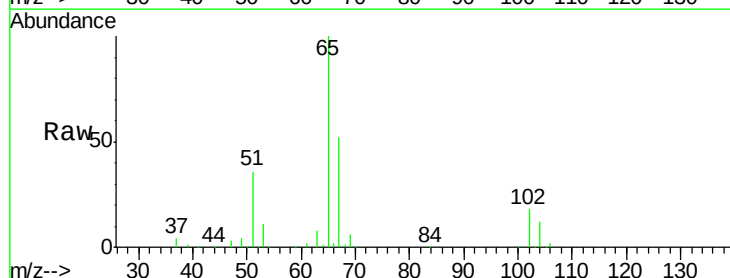
Acq: 23 Jun 2018 00:17

Tgt Ion: 65 Resp: 142819

Ion Ratio Lower Upper

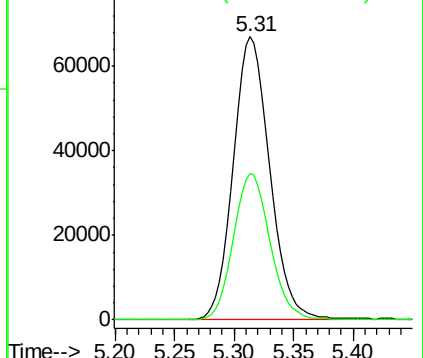
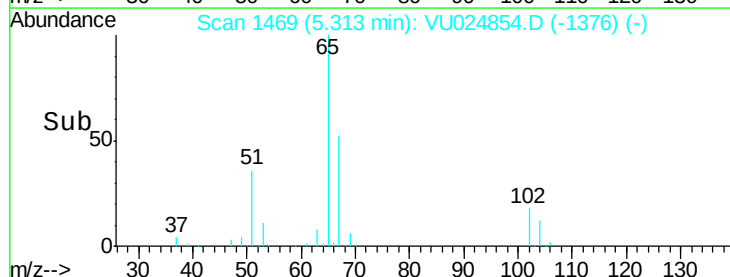
65 100

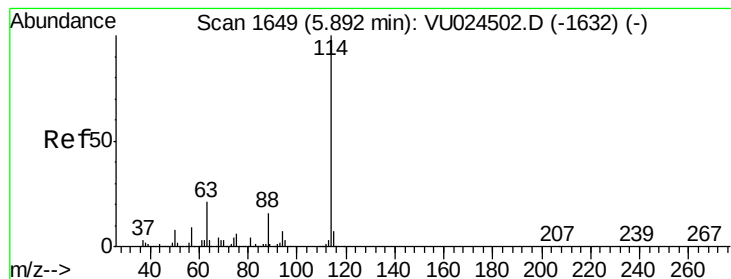
67 51.8 0.0 107.0



Abundance Ion 64.90 (64.60 to 65.60): VU024854.D (-1376) (-)

Ion 66.90 (66.60 to 67.60): VU024854.D (-1376) (-)





#34

1,4-Difluorobenzene

Concen: 50.00 ug/l

RT: 5.89 min Scan# 1649

Delta R.T. -0.00 min

Lab File: VU024854.D

Acq: 23 Jun 2018 00:17

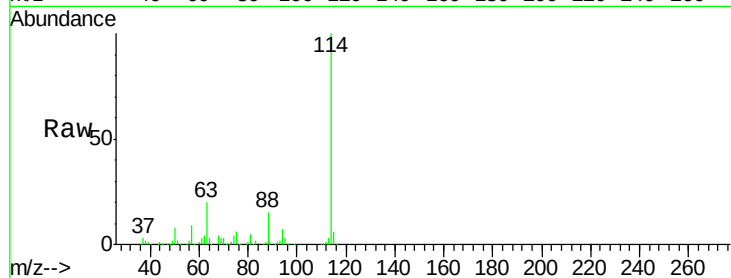
Instrument :

MSVOA_U

ClientSampleId :

WP021MW352-180619

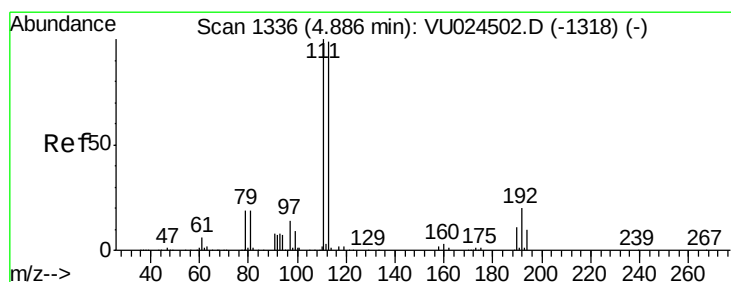
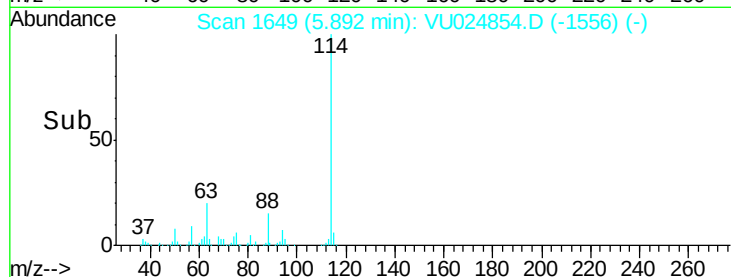
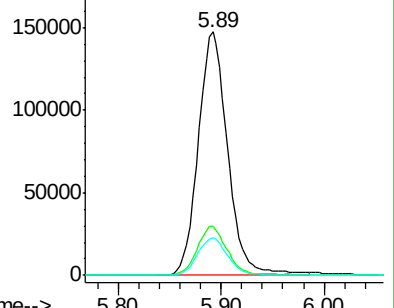
Tot Ion:	114	Resp:	292747
Ion	Ratio	Lower	Upper
114	100		
63	19.9	0.0	45.4
88	15.3	0.0	31.0



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



#35

Dibromofluoromethane

Concen: 47.30 ug/l

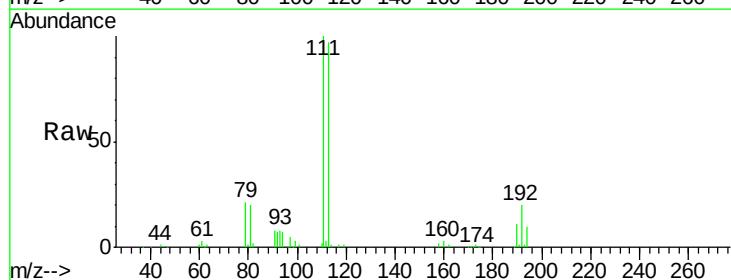
RT: 4.89 min Scan# 1337

Delta R.T. 0.00 min

Lab File: VU024854.D

Acq: 23 Jun 2018 00:17

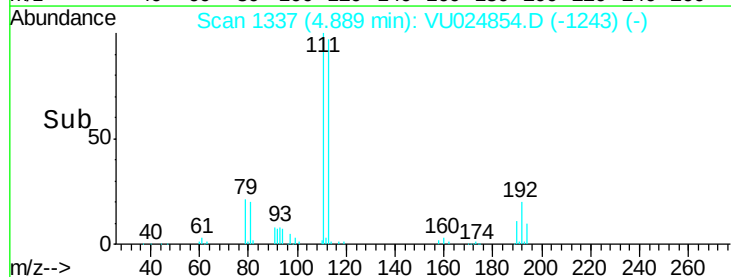
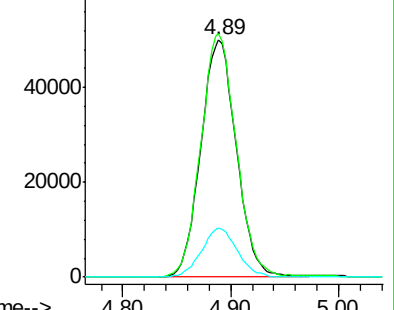
Tgt Ion:	113	Resp:	114923
Ion	Ratio	Lower	Upper
113	100		
111	102.2	82.2	123.4
192	20.9	16.2	24.4

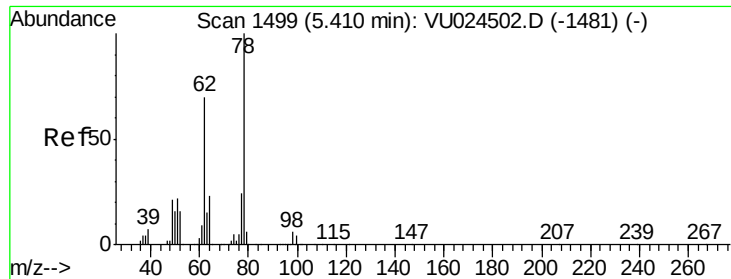


Abundance Ion 112.80 (112.50 to 113.50): V

Ion 110.80 (110.50 to 111.50): V

Ion 191.70 (191.40 to 192.40): V

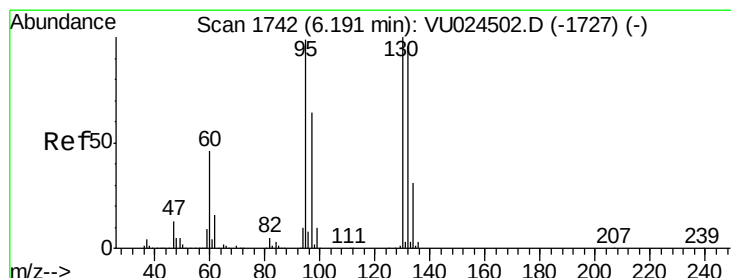
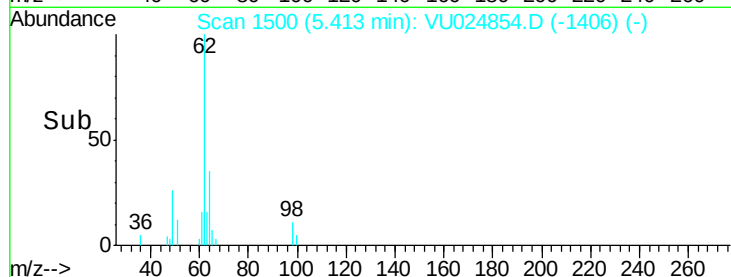
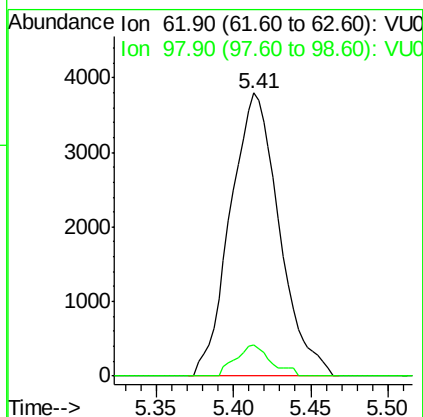
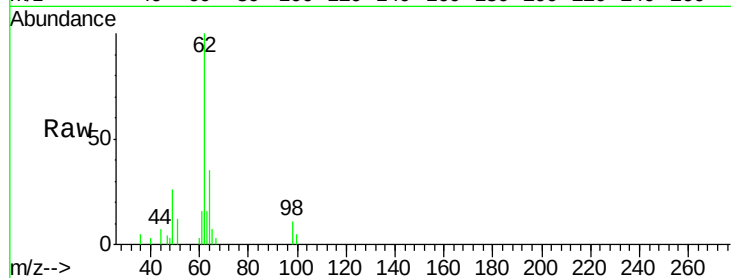




#42
1,2-Dichloroethane
Concen: 2.23 ug/l
RT: 5.41 min Scan# 1500
Delta R.T. 0.00 min
Lab File: VU024854.D
Acq: 23 Jun 2018 00:17

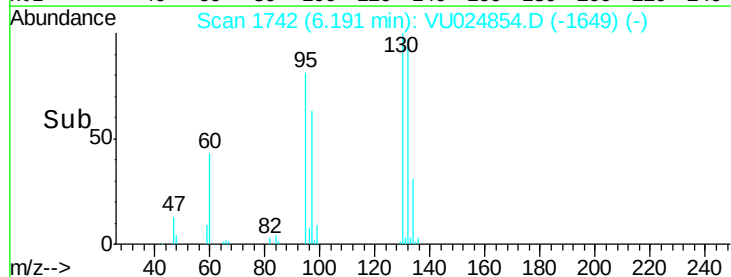
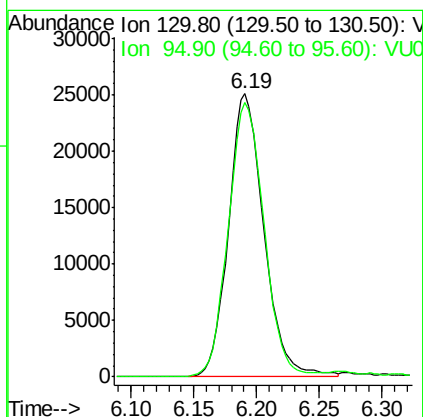
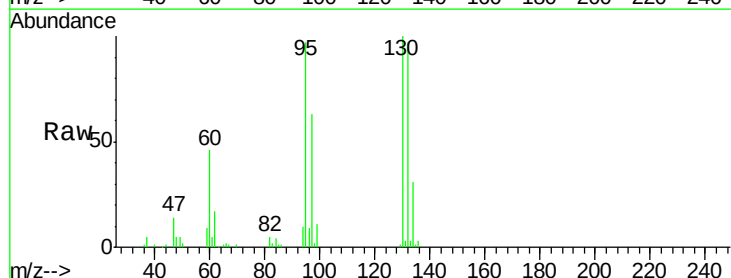
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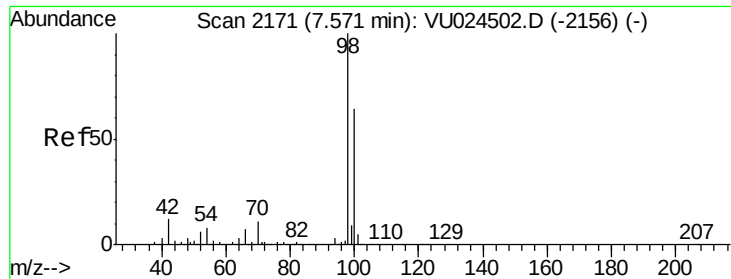
Tot Ion: 62 Resp: 8320
Ion Ratio Lower Upper
62 100
98 7.9 0.0 16.6



#44
Trichloroethene
Concen: 17.66 ug/l
RT: 6.19 min Scan# 1742
Delta R.T. -0.00 min
Lab File: VU024854.D
Acq: 23 Jun 2018 00:17

Tgt Ion:130 Resp: 49252
Ion Ratio Lower Upper
130 100
95 96.8 0.0 202.4

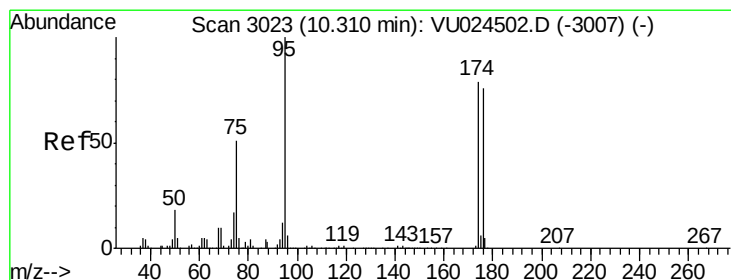
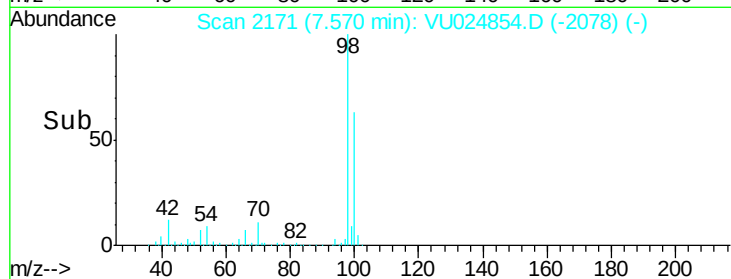
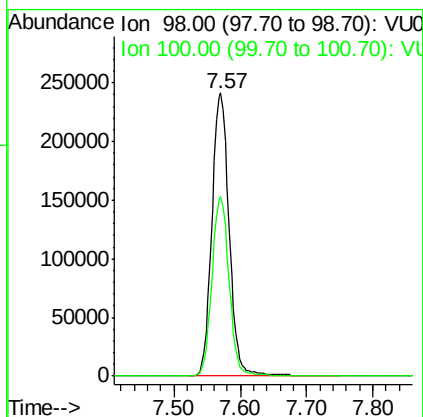
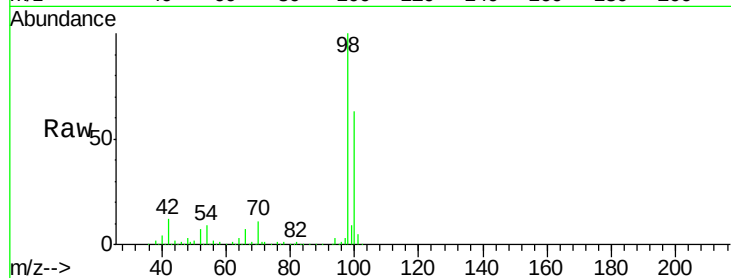




#50
Toluene-d8
Concen: 49.33 ug/l
RT: 7.57 min Scan# 2171
Delta R.T. -0.00 min
Lab File: VU024854.D
Acq: 23 Jun 2018 00:17

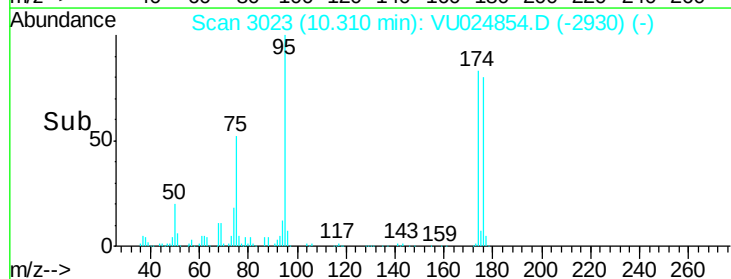
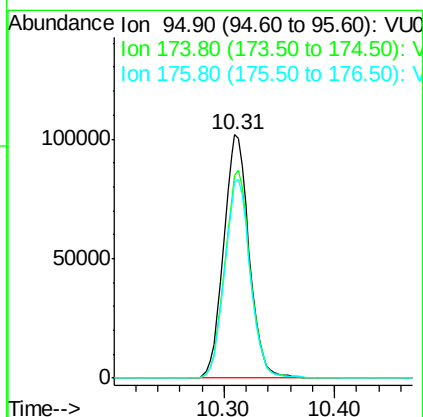
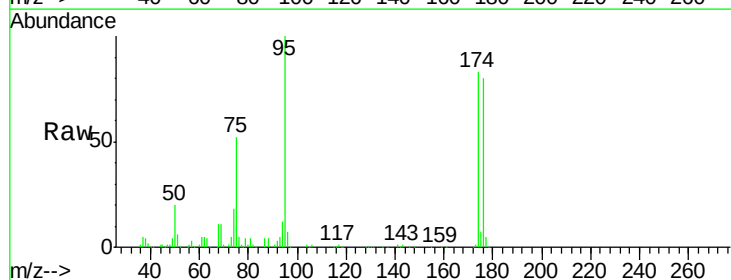
Instrument :
MSVOA_U
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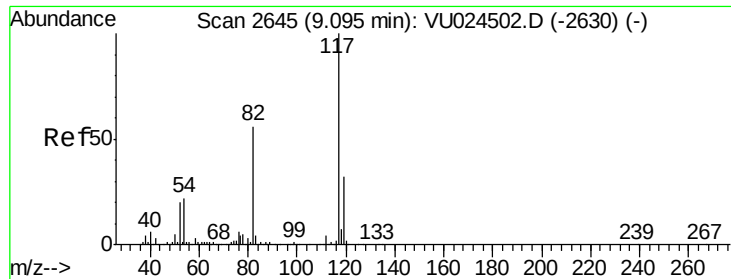
Tot Ion: 98 Resp: 437126
Ion Ratio Lower Upper
98 100
100 62.7 51.1 76.7



#62
4-Bromofluorobenzene
Concen: 46.29 ug/l
RT: 10.31 min Scan# 3023
Delta R.T. -0.00 min
Lab File: VU024854.D
Acq: 23 Jun 2018 00:17

Tgt Ion: 95 Resp: 162887
Ion Ratio Lower Upper
95 100
174 84.9 0.0 165.8
176 81.7 0.0 159.4

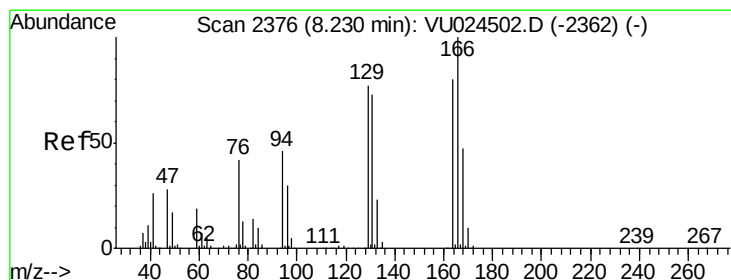
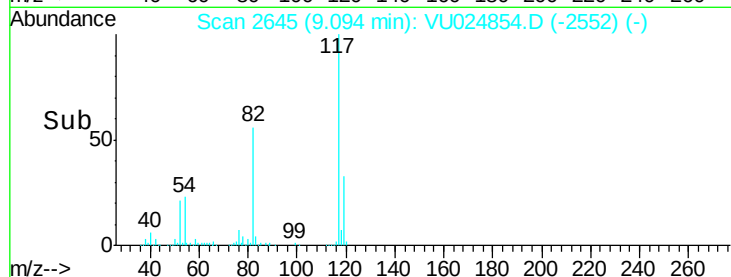
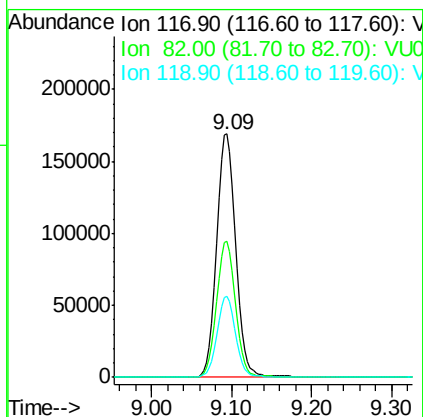
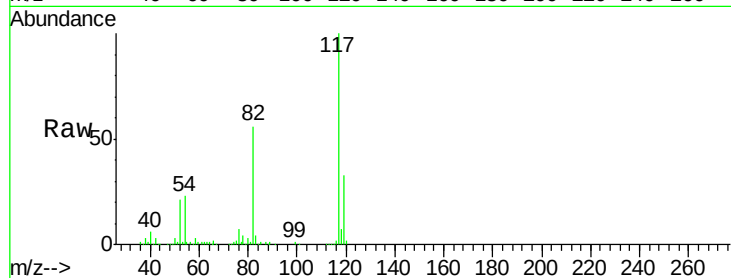




#63
Chlorobenzene-d5
Concen: 50.00 ug/l
RT: 9.09 min Scan# 2645
Delta R.T. -0.00 min
Lab File: VU024854.D
Acq: 23 Jun 2018 00:17

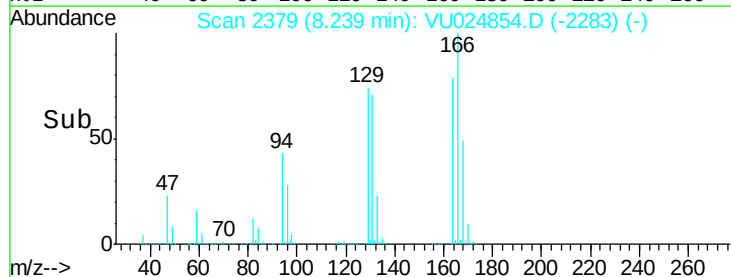
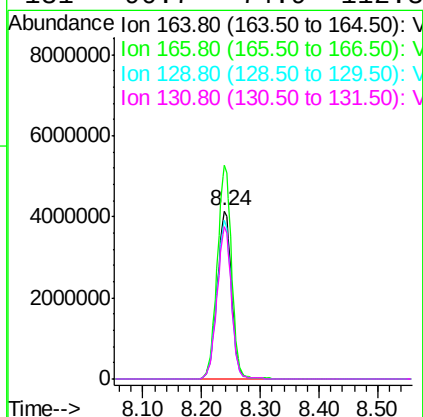
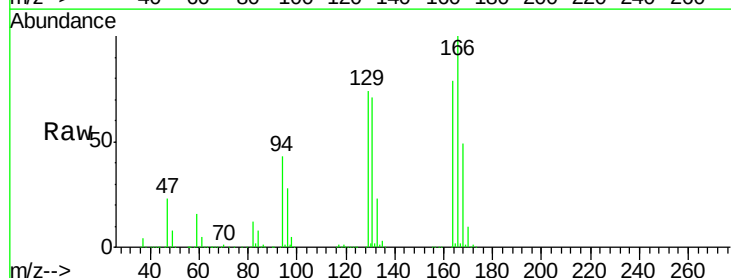
Instrument :
MSVOA_U
ClientSampleId :
WP021MW352-180619

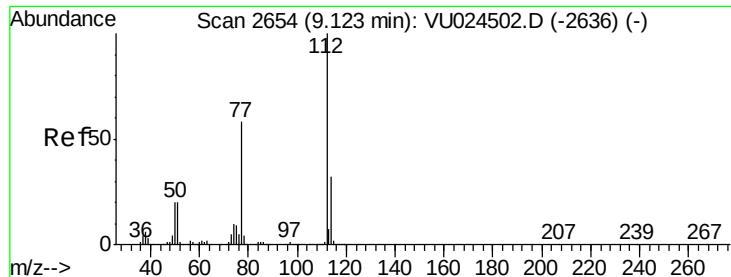
Tot Ion:117 Resp: 282341
Ion Ratio Lower Upper
117 100
82 56.1 44.3 66.5
119 33.4 25.4 38.2



#64
Tetrachloroethene
Concen: 2587.63 ug/l
RT: 8.24 min Scan# 2379
Delta R.T. 0.01 min
Lab File: VU024854.D
Acq: 23 Jun 2018 00:17

Tgt Ion:164 Resp: 6944589
Ion Ratio Lower Upper
164 100
166 127.1 101.7 152.5
129 94.4 76.9 115.3
131 90.7 74.9 112.3





#65

Chlorobenzene

Concen: 1.16 ug/l

RT: 9.12 min Scan# 2653

Delta R.T. -0.00 min

Lab File: VU024854.D

Acq: 23 Jun 2018 00:17

Instrument :

MSVOA_U

ClientSampleId :

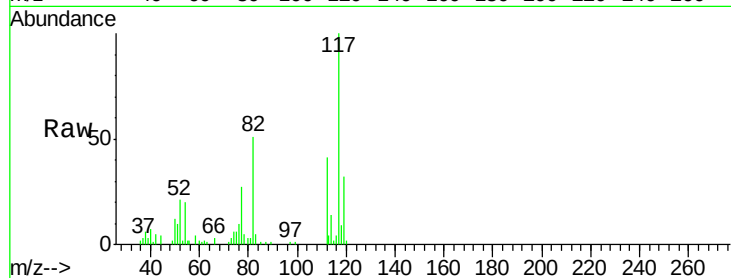
WP021MW352-180619

Tot Ion:112 Resp: 8367

Ion Ratio Lower Upper

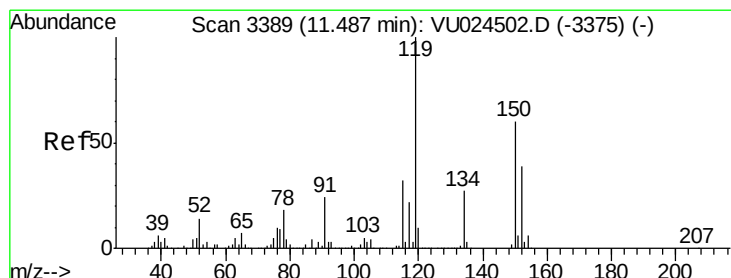
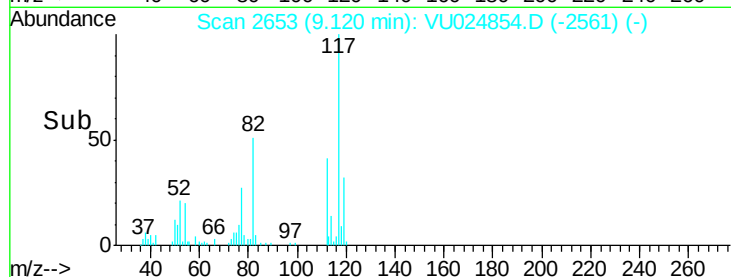
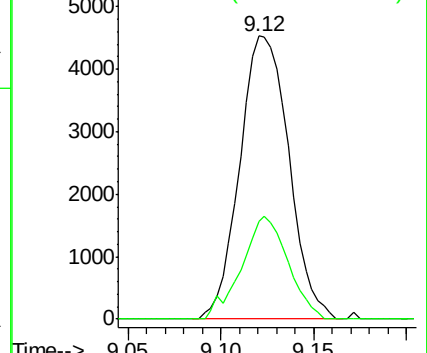
112 100

114 34.3 25.6 38.4



Abundance Ion 111.90 (111.60 to 112.60): V

Ion 113.90 (113.60 to 114.60): 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: VU024854.D

Acq: 23 Jun 2018 00:17

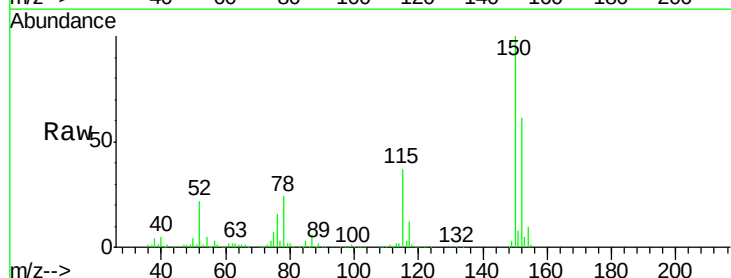
Tgt Ion:152 Resp: 152675

Ion Ratio Lower Upper

152 100

115 58.7 43.0 129.0

150 160.1 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

