

Data Path : Z:\VOASRV\HPCHEM1\MSVOA U\DATA\VU070518\
 Data File : VU025221.D
 Acq On : 05 Jul 2018 17:27
 Operator : MD/SY
 Sample : J3808-16
 Misc : 5.0mL/MSVOA U/WATER
 ALS Vial : 19 Sample Multiplier: 1

Instrument :
 MSVOA_U
 ClientSampleId :
 WP021IW349-180628

Quant Time: Jul 06 06:50:10 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	210655	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	5.89	114	314511	50.00	ug/l	0.00
63) Chlorobenzene-d5	9.09	117	288102	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	11.49	152	147299	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	156863	45.61	ug/l	0.00
Spiked Amount			Recovery	=	91.22%	
35) Dibromofluoromethane	4.89	113	125560	48.10	ug/l	0.00
Spiked Amount			Recovery	=	96.20%	
50) Toluene-d8	7.57	98	449245	47.18	ug/l	0.00
Spiked Amount			Recovery	=	94.36%	
62) 4-Bromofluorobenzene	10.31	95	162592	43.01	ug/l	0.00
Spiked Amount			Recovery	=	86.02%	

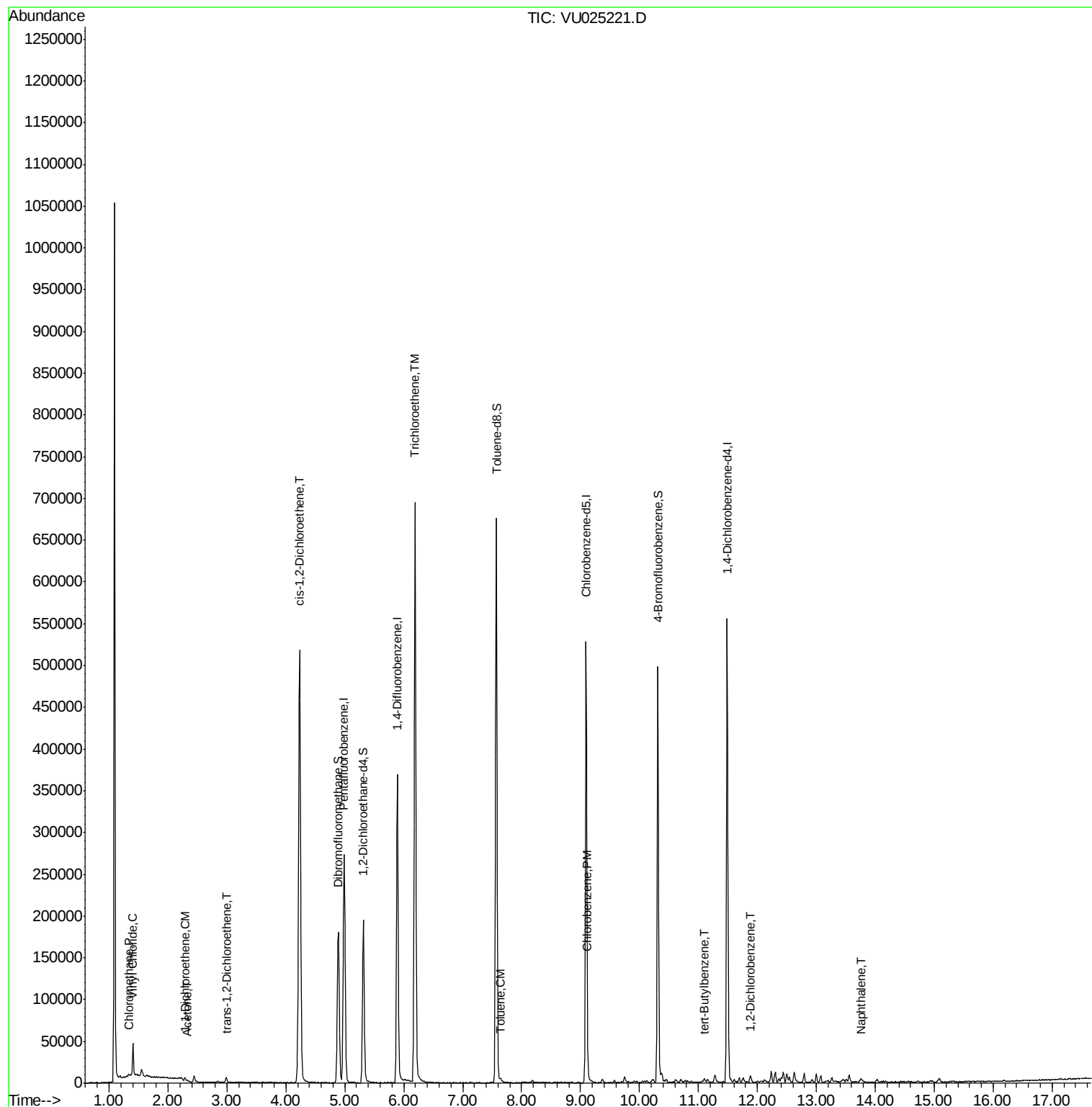
Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
3) Chloromethane	1.33	50	1110	0.412	ug/l	99
4) Vinyl Chloride	1.41	62	23390	8.419	ug/l	99
12) 1,1-Dichloroethene	2.28	96	1633	0.681	ug/l	89
16) Acetone	2.32	43	1277	0.691	ug/l #	88
21) trans-1,2-Dichloroethene	2.99	96	2466	0.933	ug/l #	93
27) cis-1,2-Dichloroethene	4.23	96	294622	97.004	ug/l	88
44) Trichloroethene	6.19	130	243138	81.125	ug/l	94
52) Toluene	7.64	92	1501	0.222	ug/l	88
65) Chlorobenzene	9.12	112	2823	0.384	ug/l	99
83) tert-Butylbenzene	11.10	119	1978	0.210	ug/l	82
91) 1,2-Dichlorobenzene	11.89	146	1504	0.284	ug/l	90
95) Naphthalene	13.75	128	5108	1.144	ug/l	98

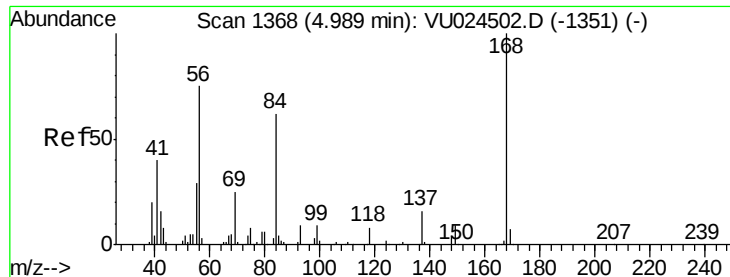
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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Quant Title : SW846 8260
QLast Update : Wed Jun 13 13:55:26 2018
Response via : Initial Calibration





#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 4.99 min Scan# 1368

Delta R.T. -0.00 min

Lab File: VU025221.D

Acq: 05 Jul 2018 17:27

Instrument :

MSVOA_U

ClientSampleId :

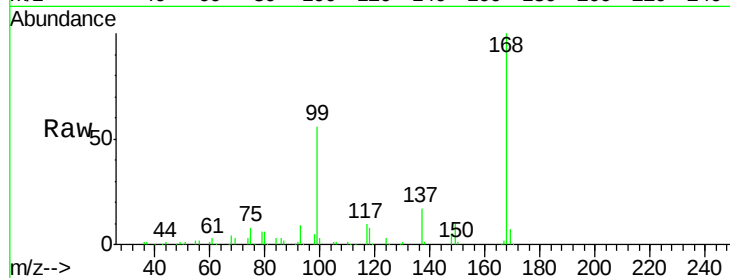
WP021IW349-180628

Tot Ion:168 Resp: 210655

Ion Ratio Lower Upper

168 100

99 55.7 43.2 64.8



Abundance Ion 167.90 (167.60 to 168.60): VU024502.D (-1351) (-)

Ion 98.90 (98.60 to 99.60): VU024502.D (-1351) (-)

4.99

100000

80000

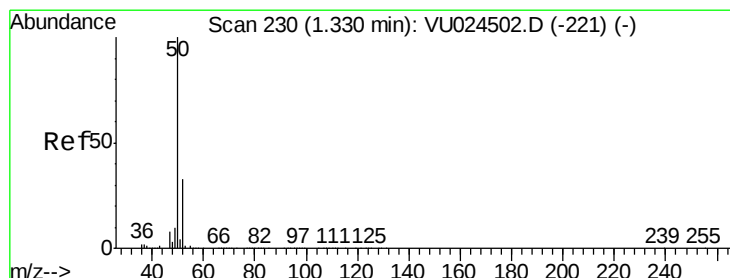
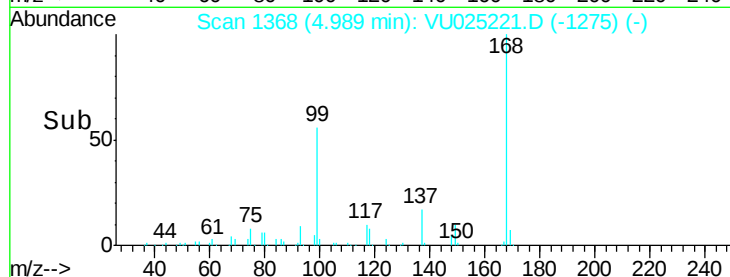
60000

40000

20000

0

Time-->



#3

Chloromethane

Concen: 0.412 ug/l

RT: 1.33 min Scan# 231

Delta R.T. 0.00 min

Lab File: VU025221.D

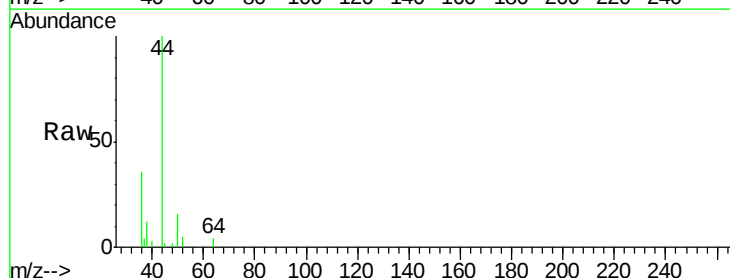
Acq: 05 Jul 2018 17:27

Tgt Ion: 50 Resp: 1110

Ion Ratio Lower Upper

50 100

52 33.4 26.4 39.6



Abundance Ion 49.90 (49.60 to 50.60): VU024502.D (-221) (-)

Ion 51.90 (51.60 to 52.60): VU024502.D (-221) (-)

1.33

1000

800

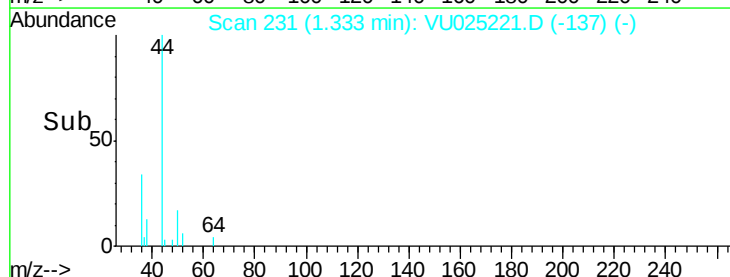
600

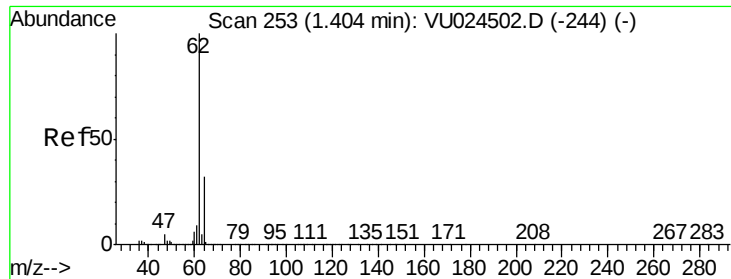
400

200

0

Time-->





#4

Vinyl Chloride

Concen: 8.419 ug/l

RT: 1.41 min Scan# 254

Delta R.T. 0.00 min

Lab File: VU025221.D

Acq: 05 Jul 2018 17:27

Instrument :

MSVOA_U

ClientSampleId :

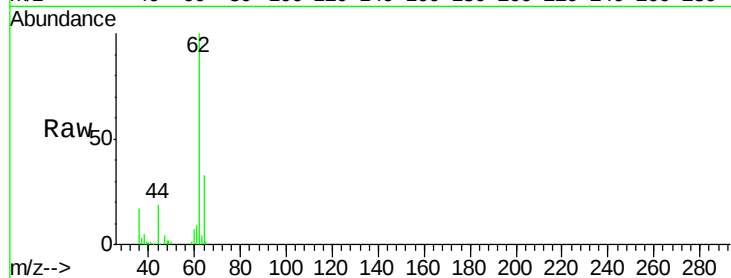
WP021IW349-180628

Tot Ion: 62 Resp: 23390

Ion Ratio Lower Upper

62 100

64 31.6 24.8 37.2



Abundance Ion 61.90 (61.60 to 62.60): VU0

Ion 63.90 (63.60 to 64.60): VU0

1.41

25000

20000

15000

10000

5000

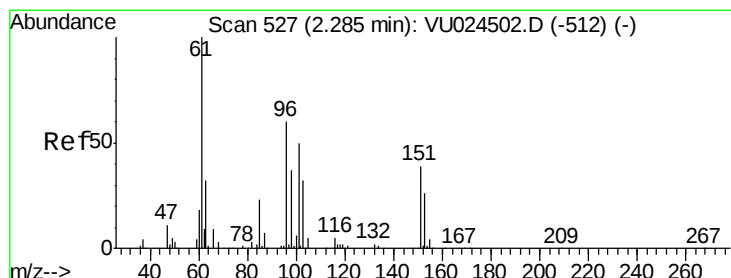
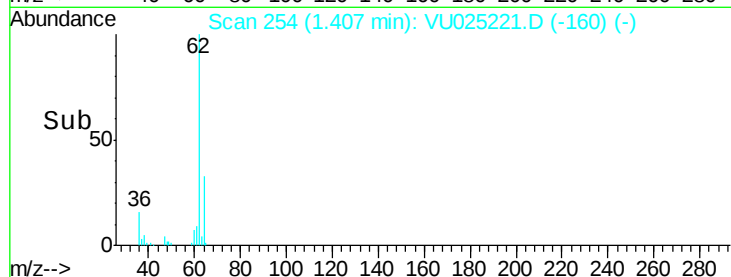
0

Time-->

1.35

1.40

1.45



#12

1,1-Dichloroethene

Concen: 0.681 ug/l

RT: 2.28 min Scan# 526

Delta R.T. -0.00 min

Lab File: VU025221.D

Acq: 05 Jul 2018 17:27

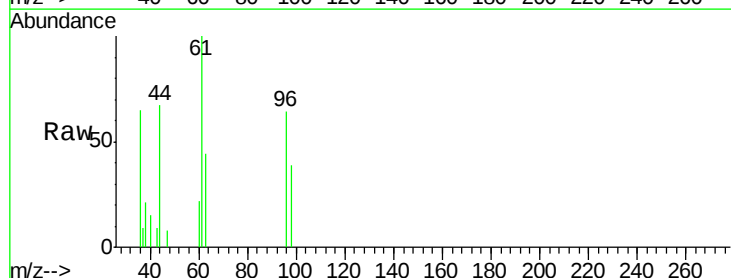
Tgt Ion: 96 Resp: 1633

Ion Ratio Lower Upper

96 100

61 157.3 141.7 212.5

98 61.9 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

2000

1500

1000

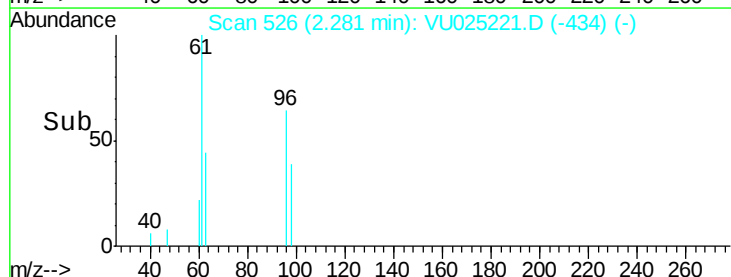
500

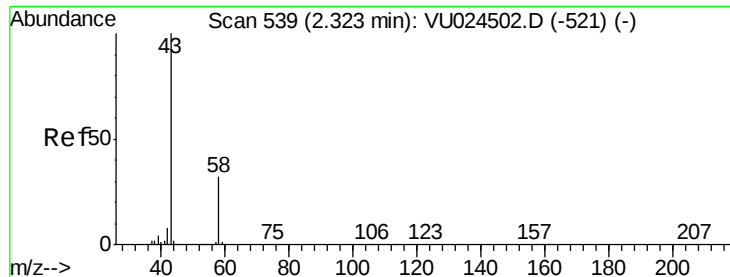
0

Time-->

2.25

2.30





#16

Acetone

Concen: 0.691 ug/l

RT: 2.32 min Scan# 538

Delta R.T. -0.00 min

Lab File: VU025221.D

Acq: 05 Jul 2018 17:27

Instrument :

MSVOA_U

ClientSampleId :

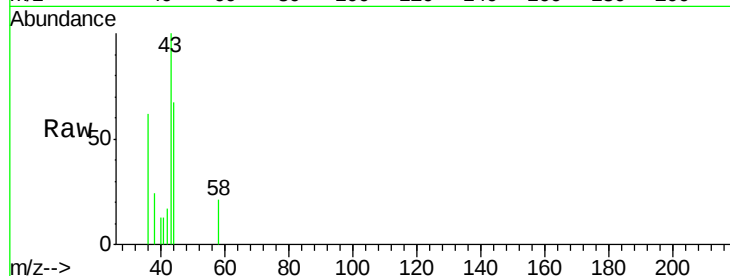
WP021IW349-180628

Tot Ion: 43 Resp: 1277

Ion Ratio Lower Upper

43 100

58 24.0 24.4 36.6#



Abundance Ion 43.00 (42.70 to 43.70): VU0

Ion 58.00 (57.70 to 58.70): VU0

2.32

1200

1000

800

600

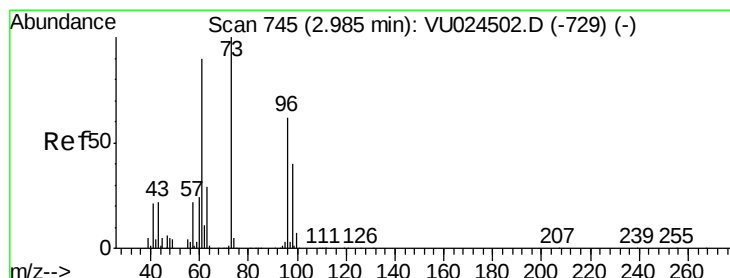
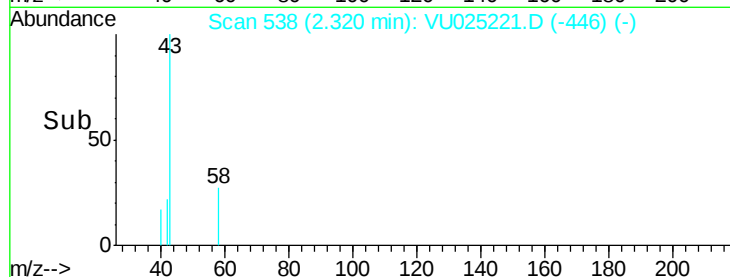
400

200

0

Time-->

2.30 2.35



#21

trans-1,2-Dichloroethene

Concen: 0.933 ug/l

RT: 2.99 min Scan# 746

Delta R.T. 0.00 min

Lab File: VU025221.D

Acq: 05 Jul 2018 17:27

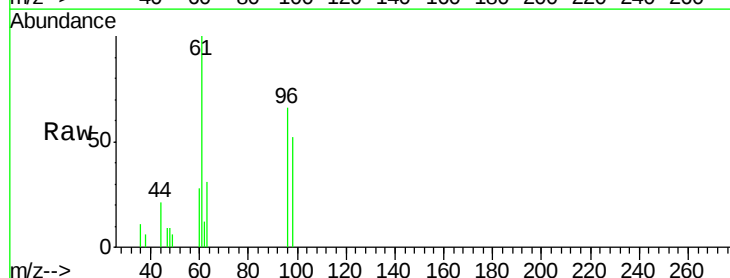
Tgt Ion: 96 Resp: 2466

Ion Ratio Lower Upper

96 100

61 151.6 119.4 179.0

98 79.0 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

2500

2000

1500

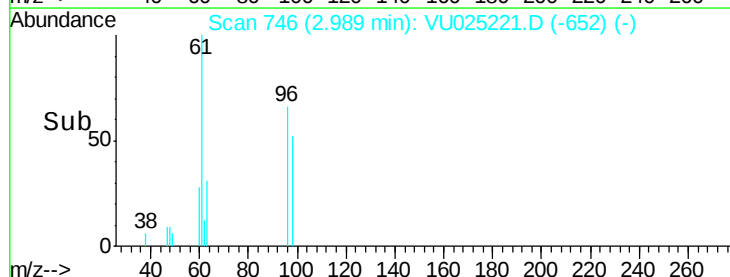
1000

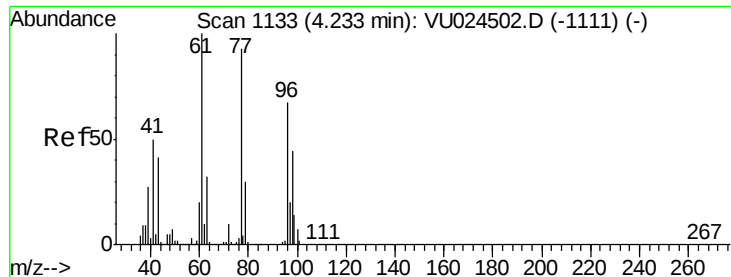
500

0

Time-->

2.95 3.00 3.05





#27

cis-1,2-Dichloroethene

Concen: 97.004 ug/l

RT: 4.23 min Scan# 1132

Delta R.T. -0.00 min

Lab File: VU025221.D

Acq: 05 Jul 2018 17:27

Instrument :

MSVOA_U

ClientSampleId :

WP021IW349-180628

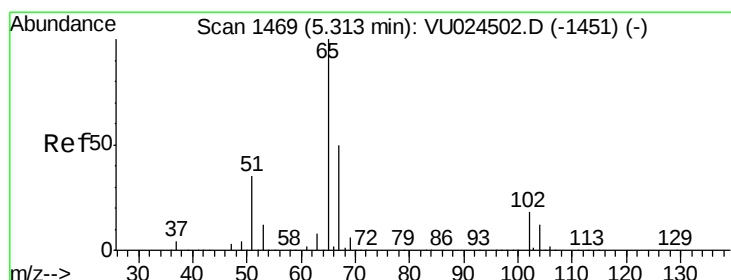
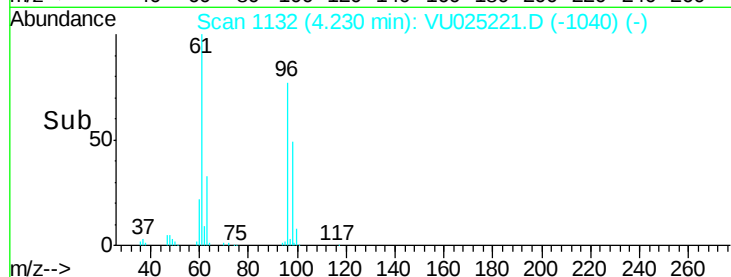
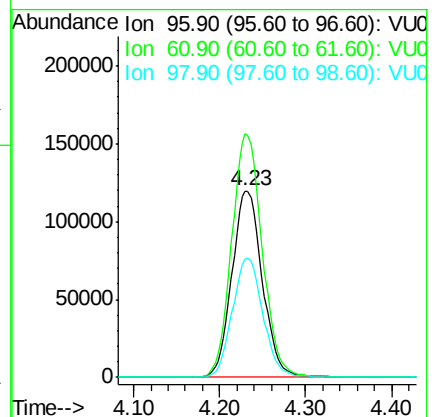
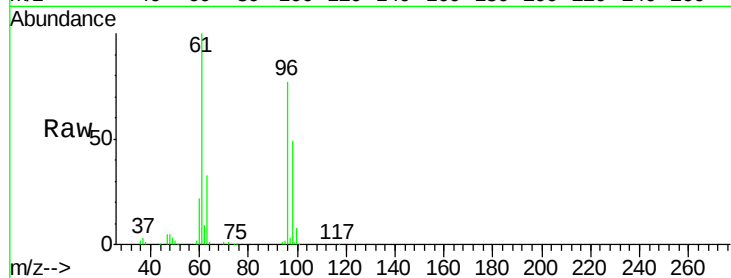
Tot Ion: 96 Resp: 294622

Ion Ratio Lower Upper

96 100

61 130.9 0.0 306.6

98 64.1 0.0 128.8



#33

1,2-Dichloroethane-d4

Concen: 45.613 ug/l

RT: 5.31 min Scan# 1469

Delta R.T. -0.00 min

Lab File: VU025221.D

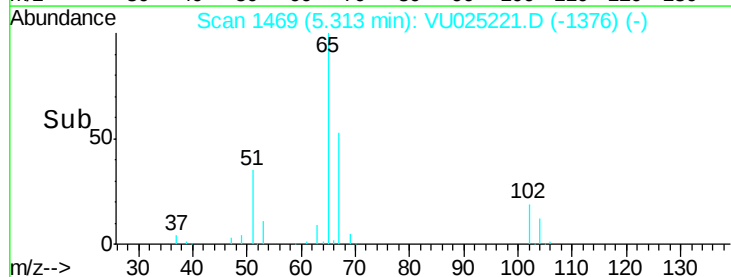
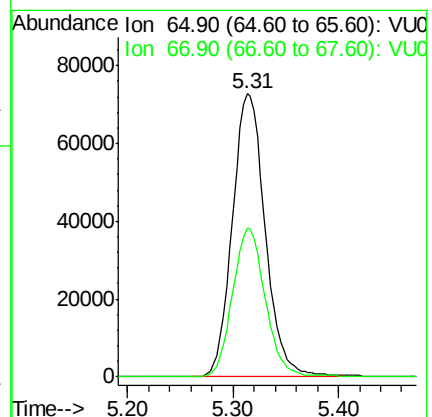
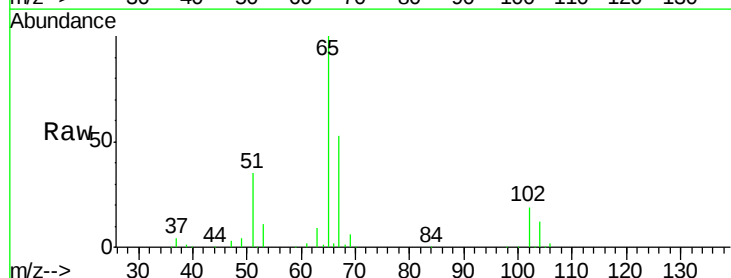
Acq: 05 Jul 2018 17:27

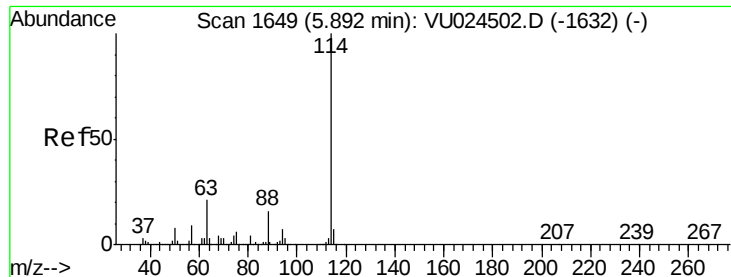
Tgt Ion: 65 Resp: 156863

Ion Ratio Lower Upper

65 100

67 52.6 0.0 107.0

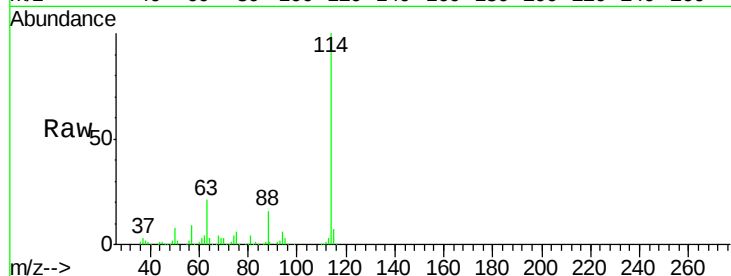




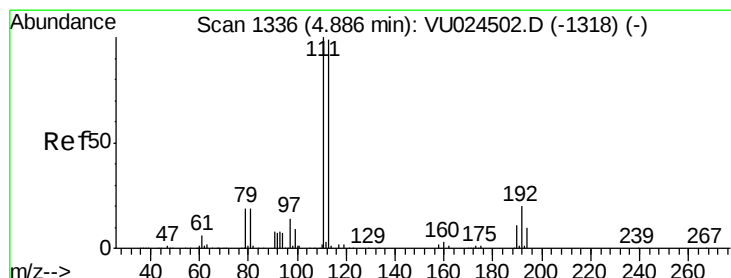
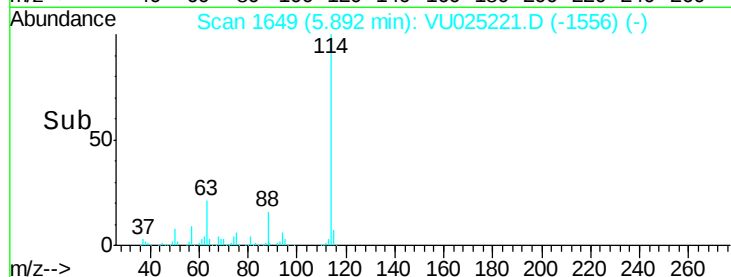
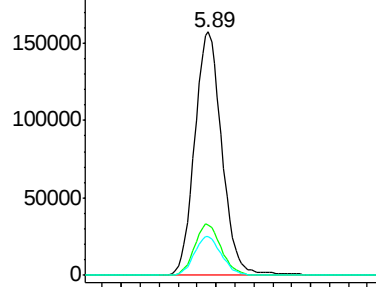
#34
1,4-Difluorobenzene
Concen: 50.000 ug/l
RT: 5.89 min Scan# 1649
Delta R.T. -0.00 min
Lab File: VU025221.D
Acq: 05 Jul 2018 17:27

Instrument :
MSVOA_U
ClientSampleId :
WP021IW349-180628

Tot Ion:114	Resp:	314511
Ion Ratio	Lower	Upper
114 100		
63 20.9	0.0	45.4
88 15.9	0.0	31.0

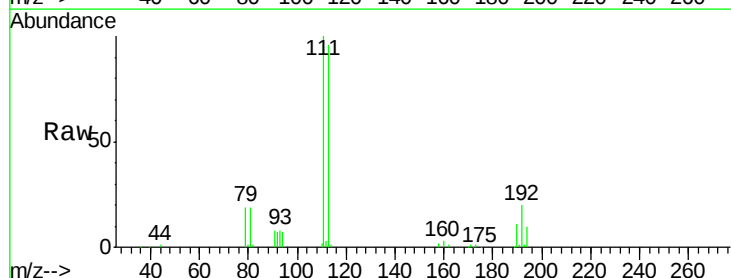


Abundance Ion 113.90 (113.60 to 114.60): V
Ion 63.00 (62.70 to 63.70): VU0
Ion 87.90 (87.60 to 88.60): VU0

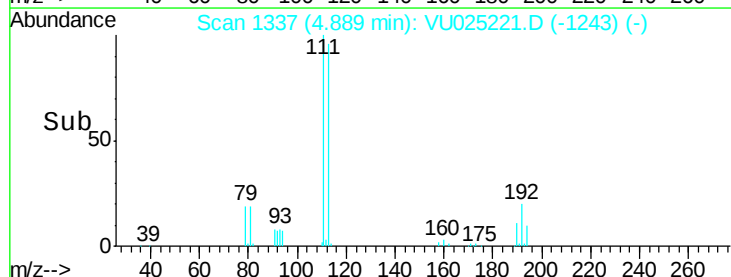
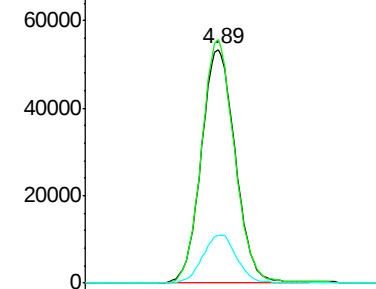


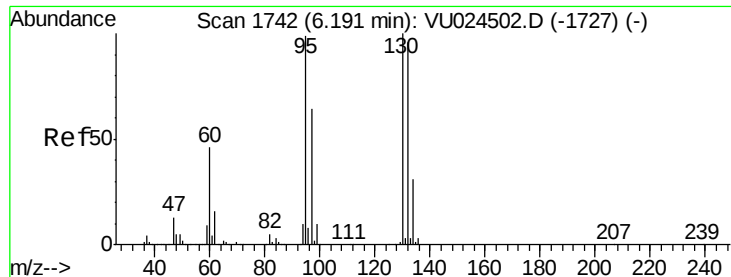
#35
Dibromofluoromethane
Concen: 48.104 ug/l
RT: 4.89 min Scan# 1337
Delta R.T. 0.00 min
Lab File: VU025221.D
Acq: 05 Jul 2018 17:27

Tgt Ion:113	Resp:	125560
Ion Ratio	Lower	Upper
113 100		
111 100.5	82.2	123.4
192 20.4	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





#44

Trichloroethene

Concen: 81.125 ug/l

RT: 6.19 min Scan# 1742

Delta R.T. -0.00 min

Lab File: VU025221.D

Acq: 05 Jul 2018 17:27

Instrument :

MSVOA_U

ClientSampleId :

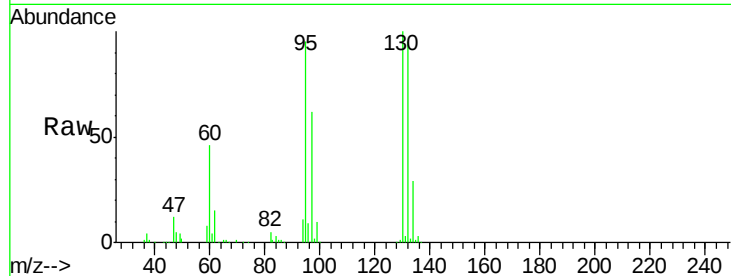
WP021IW349-180628

Tot Ion:130 Resp: 243138

Ion Ratio Lower Upper

130 100

95 94.9 0.0 202.4



Abundance Ion 129.80 (129.50 to 130.50): VU024502.D (-1727) (-)

Ion 94.90 (94.60 to 95.60): VU024502.D (-1727) (-)

6.19

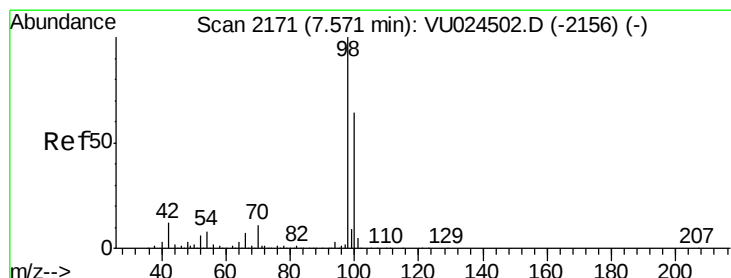
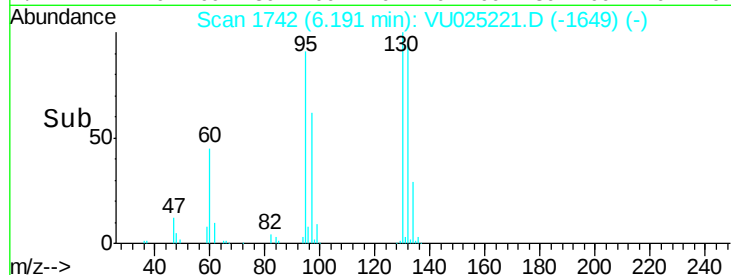
150000

100000

50000

0

Time-->



#50

Toluene-d8

Concen: 47.185 ug/l

RT: 7.57 min Scan# 2171

Delta R.T. -0.00 min

Lab File: VU025221.D

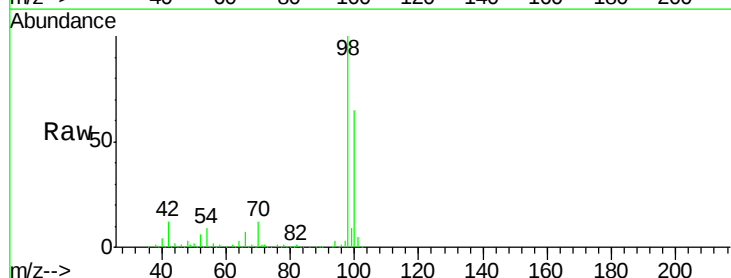
Acq: 05 Jul 2018 17:27

Tgt Ion: 98 Resp: 449245

Ion Ratio Lower Upper

98 100

100 64.4 51.1 76.7



Abundance Ion 98.00 (97.70 to 98.70): VU024502.D (-2156) (-)

Ion 100.00 (99.70 to 100.70): VU024502.D (-2156) (-)

7.57

300000

250000

200000

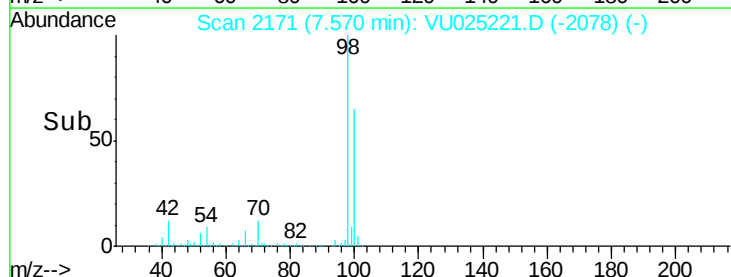
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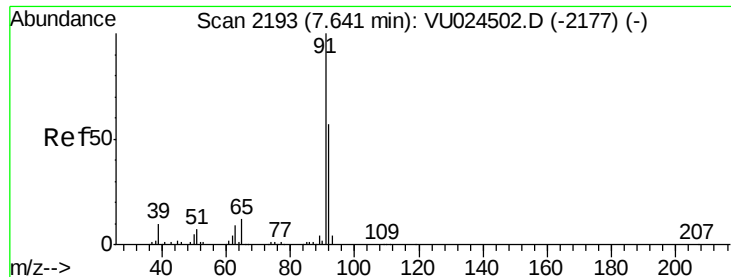
100000

50000

0

Time-->





#52

Toluene

Concen: 0.222 ug/l

RT: 7.64 min Scan# 2194

Delta R.T. 0.00 min

Lab File: VU025221.D

Acq: 05 Jul 2018 17:27

Instrument :

MSVOA_U

ClientSampleId :

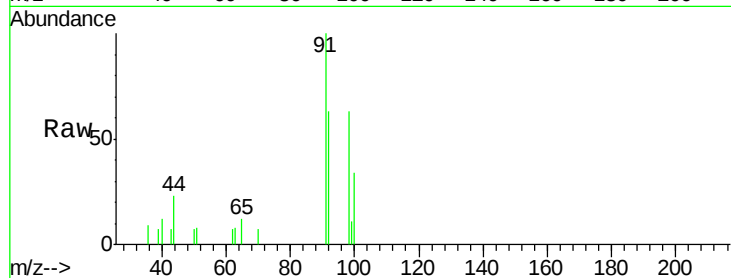
WP021IW349-180628

Tot Ion: 92 Resp: 1501

Ion Ratio Lower Upper

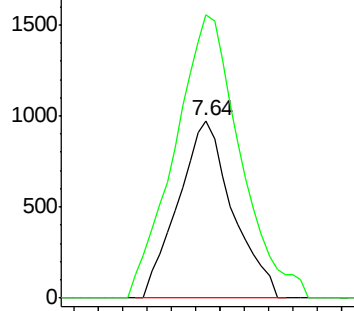
92 100

91 192.4 140.5 210.7

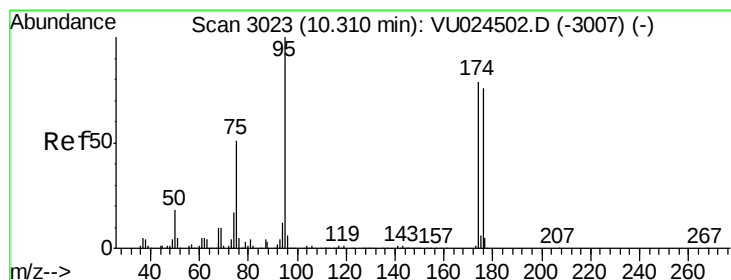
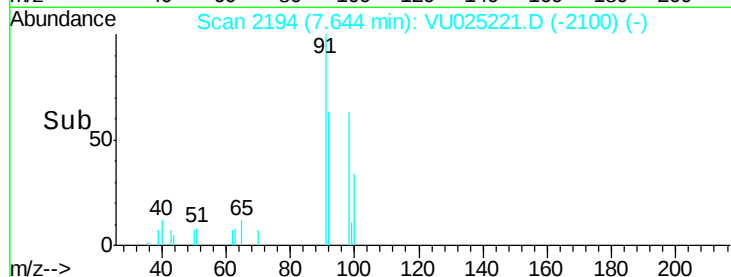


Abundance Ion 92.00 (91.70 to 92.70): VU0

Ion 91.00 (90.70 to 91.70): VU0



Time-->



#62

4-Bromofluorobenzene

Concen: 43.011 ug/l

RT: 10.31 min Scan# 3023

Delta R.T. -0.00 min

Lab File: VU025221.D

Acq: 05 Jul 2018 17:27

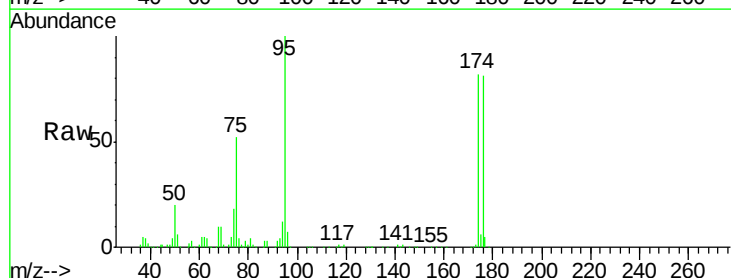
Tgt Ion: 95 Resp: 162592

Ion Ratio Lower Upper

95 100

174 85.3 0.0 165.8

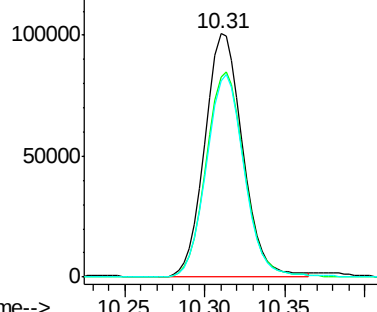
176 83.3 0.0 159.4



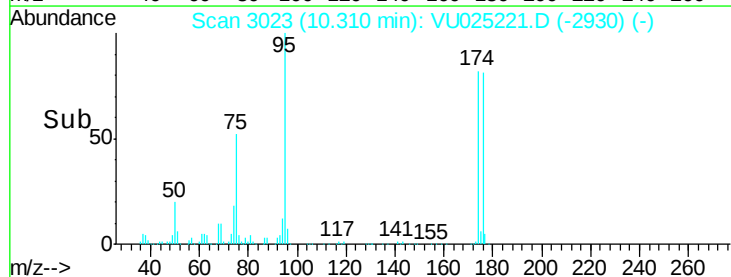
Abundance Ion 94.90 (94.60 to 95.60): VU0

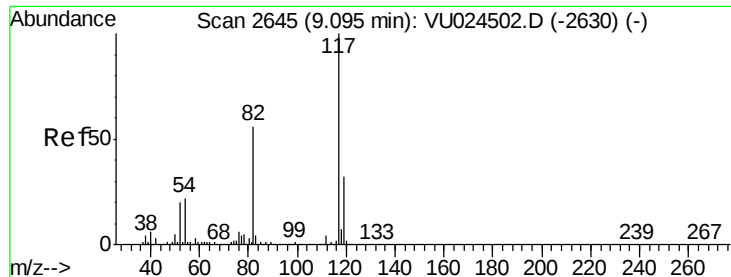
Ion 173.80 (173.50 to 174.50): V

Ion 175.80 (175.50 to 176.50): V



Time-->

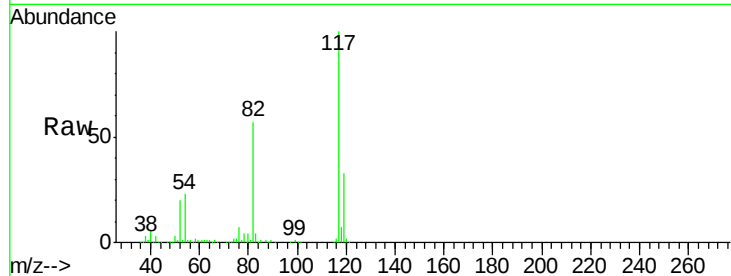




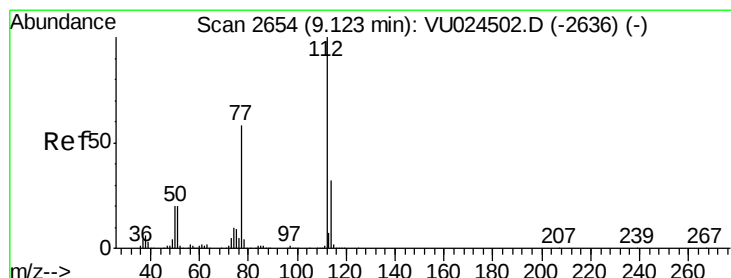
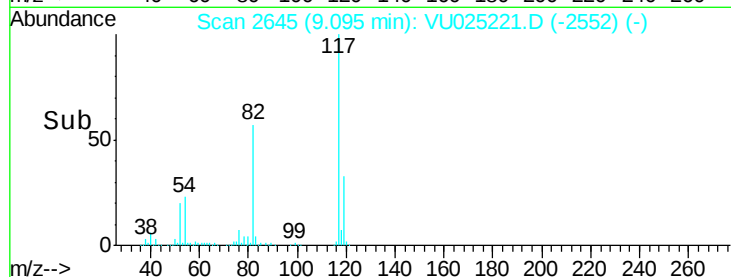
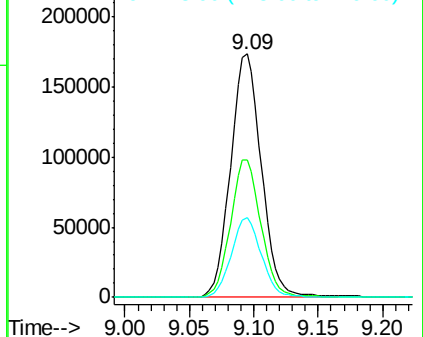
#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 9.09 min Scan# 2645
Delta R.T. -0.00 min
Lab File: VU025221.D
Acq: 05 Jul 2018 17:27

Instrument :
MSVOA_U
ClientSampleId :
WP021IW349-180628

Tot Ion:117 Resp: 288102
Ion Ratio Lower Upper
117 100
82 56.7 44.3 66.5
119 32.6 25.4 38.2

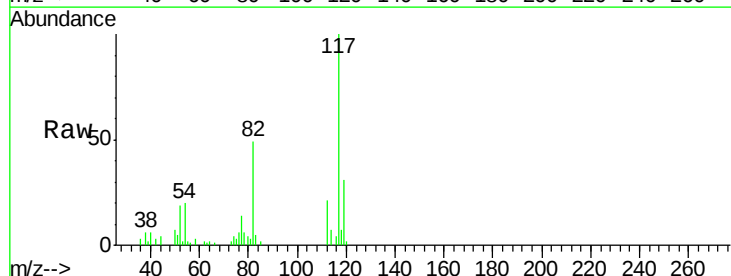


Abundance Ion 116.90 (116.60 to 117.60): V
Ion 82.00 (81.70 to 82.70): VU0
Ion 118.90 (118.60 to 119.60): V

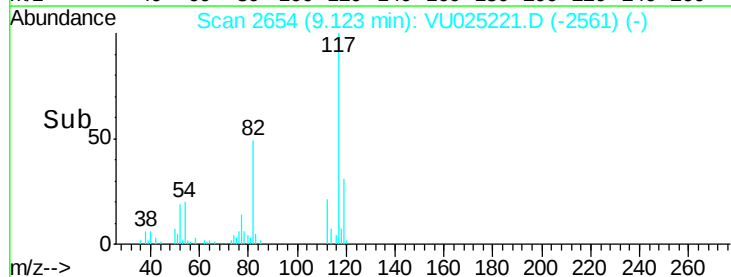
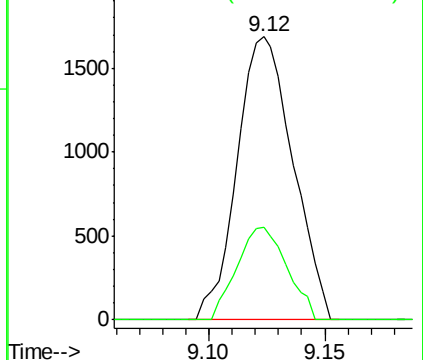


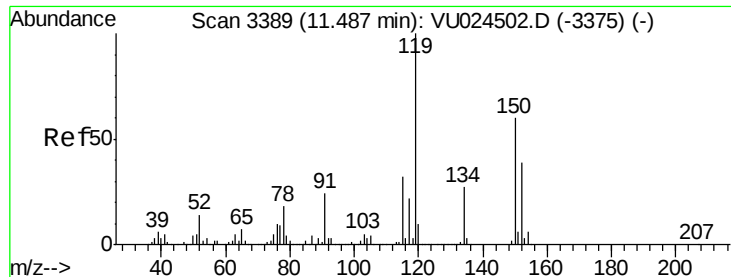
#65
Chlorobenzene
Concen: 0.384 ug/l
RT: 9.12 min Scan# 2654
Delta R.T. -0.00 min
Lab File: VU025221.D
Acq: 05 Jul 2018 17:27

Tgt Ion:112 Resp: 2823
Ion Ratio Lower Upper
112 100
114 32.5 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: 50.000 ug/l

RT: 11.49 min Scan# 3389

Delta R.T. -0.00 min

Lab File: VU025221.D

Acq: 05 Jul 2018 17:27

Instrument :

MSVOA_U

ClientSampleId :

WP021IW349-180628

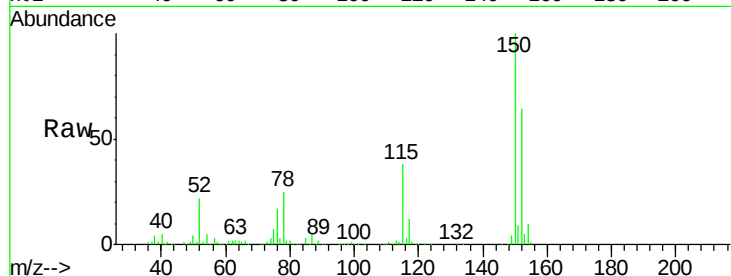
Tot Ion:152 Resp: 147299

Ion Ratio Lower Upper

152 100

115 58.7 43.0 129.0

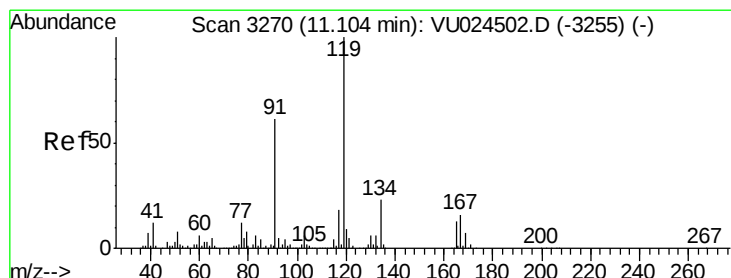
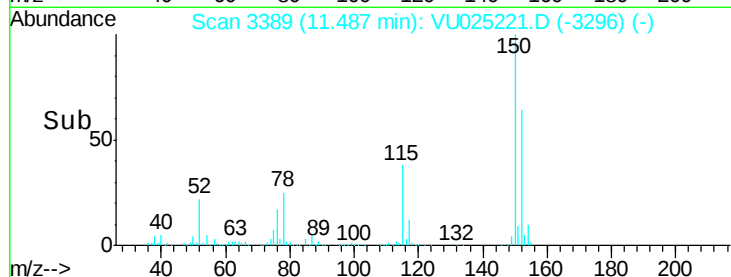
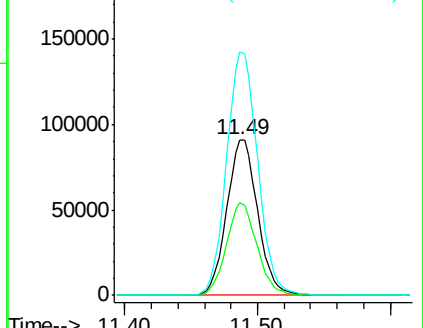
150 158.0 0.0 354.0



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



#83

tert-Butylbenzene

Concen: 0.210 ug/l

RT: 11.10 min Scan# 3270

Delta R.T. -0.00 min

Lab File: VU025221.D

Acq: 05 Jul 2018 17:27

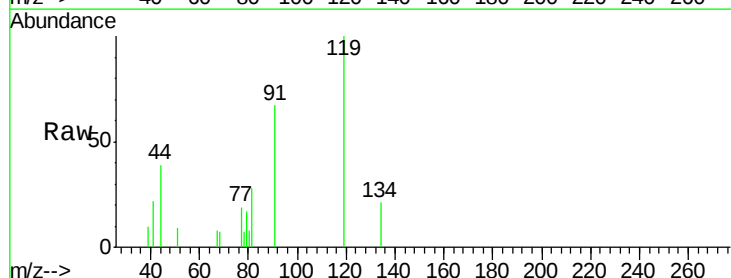
Tgt Ion:119 Resp: 1978

Ion Ratio Lower Upper

119 100

91 76.1 29.7 89.1

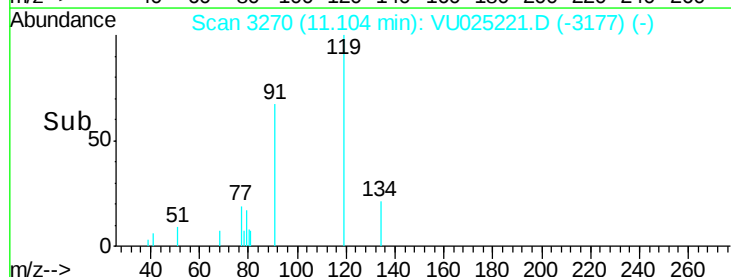
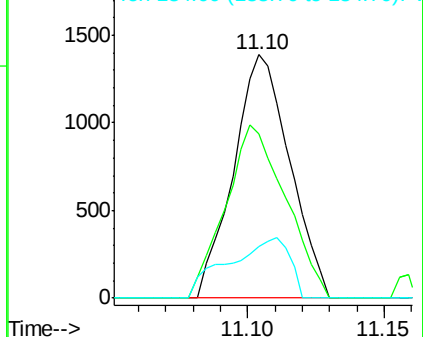
134 26.9 11.6 34.7

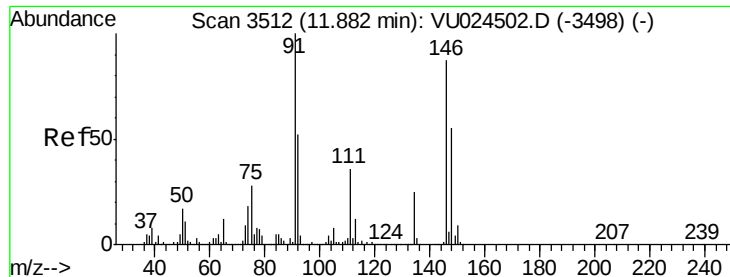


Abundance Ion 119.00 (118.70 to 119.70): V

Ion 91.00 (90.70 to 91.70): VU0

Ion 134.00 (133.70 to 134.70): V





#91

1,2-Dichlorobenzene

Concen: 0.284 ug/l

RT: 11.89 min Scan# 3515

Delta R.T. 0.01 min

Lab File: VU025221.D

Acq: 05 Jul 2018 17:27

Instrument :

MSVOA_U

ClientSampleId :

WP021IW349-180628

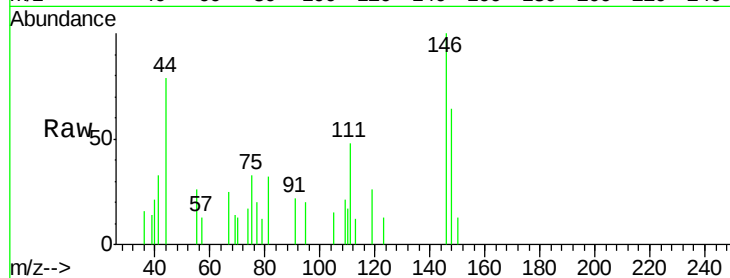
Tot Ion:146 Resp: 1504

Ion Ratio Lower Upper

146 100

111 45.7 20.5 61.6

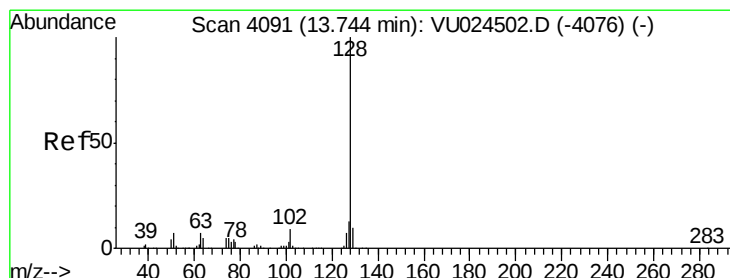
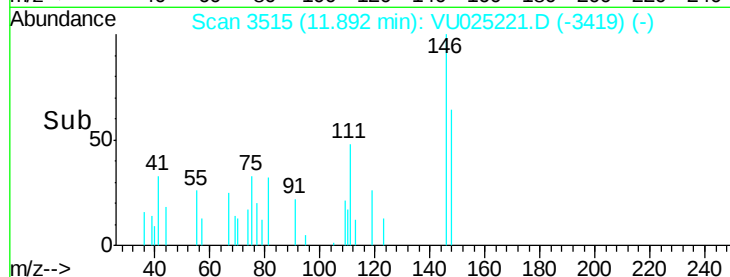
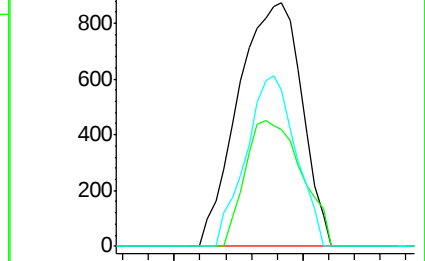
148 54.7 31.9 95.7



Abundance Ion 145.90 (145.60 to 146.60): V

Ion 110.90 (110.60 to 111.60): V

Ion 147.90 (147.60 to 148.60): V



#95

Naphthalene

Concen: 1.144 ug/l

RT: 13.75 min Scan# 4094

Delta R.T. 0.01 min

Lab File: VU025221.D

Acq: 05 Jul 2018 17:27

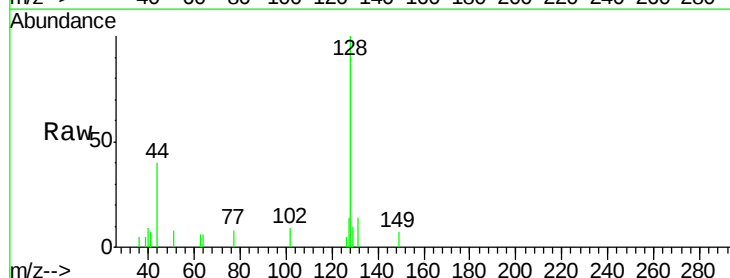
Tgt Ion:128 Resp: 5108

Ion Ratio Lower Upper

128 100

127 12.1 10.6 16.0

129 10.5 8.6 12.8



Abundance Ion 128.00 (127.70 to 128.70): V

Ion 127.00 (126.70 to 127.70): V

Ion 129.00 (128.70 to 129.70): V

