

Data Path : Z:\VOASRV\HPCHEM1\MSVOA U\DATA\VU062318\
 Data File : VU024857.D
 Acq On : 23 Jun 2018 01:29
 Operator : MD/SY
 Sample : J3662-09
 Misc : 5.0mL/MSVOA U/WATER
 ALS Vial : 20 Sample Multiplier: 1

Instrument :
 MSVOA_U
 ClientSampleId :
 WP021MW346-180619

Quant Time: Jun 23 04:43:37 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	199516	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	5.89	114	299534	50.00	ug/l	0.00
63) Chlorobenzene-d5	9.09	117	279243	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	11.49	152	151443	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	149072	45.77	ug/l	0.00
Spiked Amount			Recovery	=	91.54%	
35) Dibromofluoromethane	4.89	113	114258	45.96	ug/l	0.00
Spiked Amount			Recovery	=	91.92%	
50) Toluene-d8	7.57	98	436145	48.10	ug/l	0.00
Spiked Amount			Recovery	=	96.20%	
62) 4-Bromofluorobenzene	10.31	95	162822	45.23	ug/l	0.00
Spiked Amount			Recovery	=	90.46%	

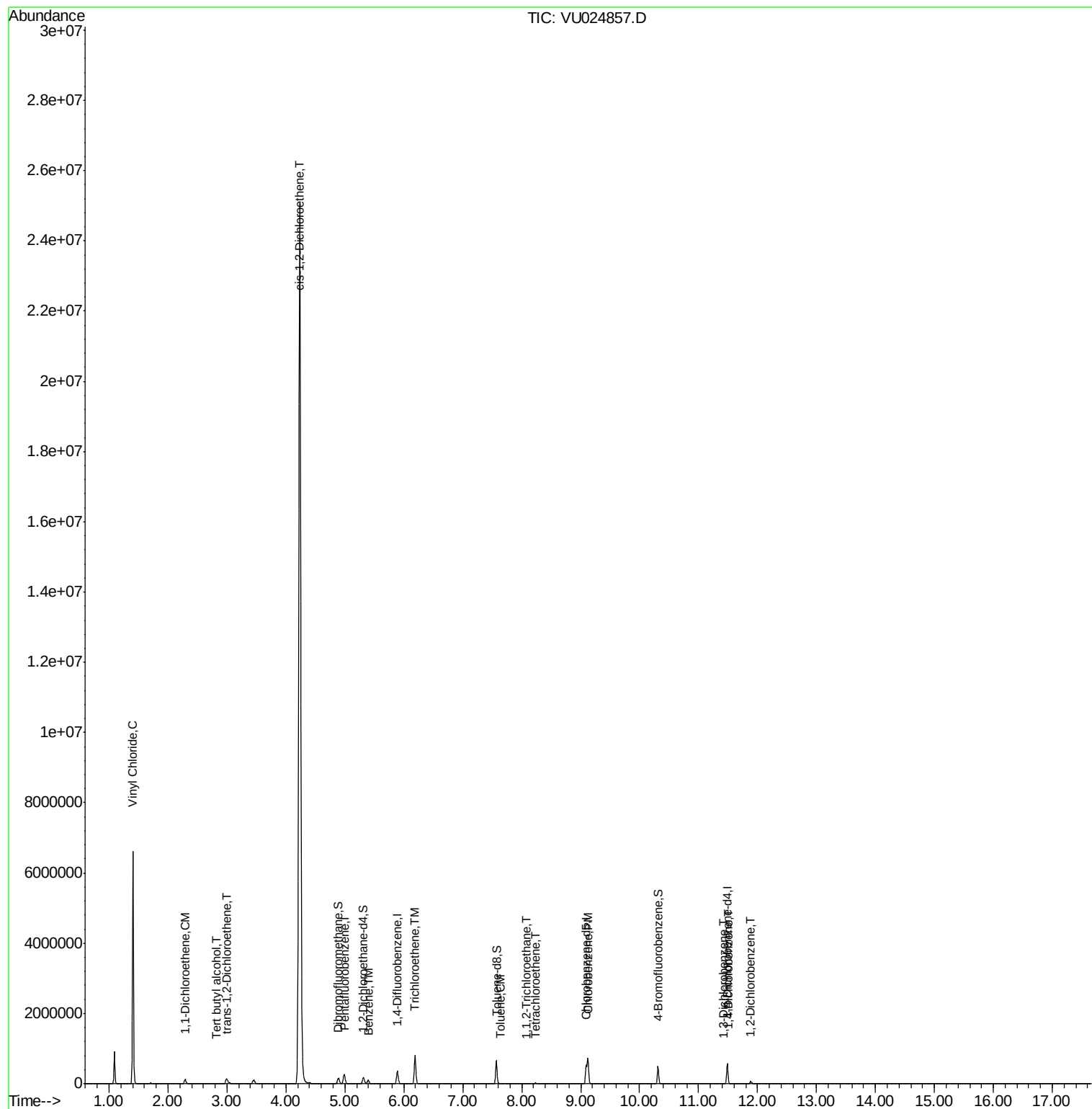
Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
4) Vinyl Chloride	1.40	62	4150966	1577.60	ug/l	98
11) Tert butyl alcohol	2.82	59	3465	4.37	ug/l #	92
12) 1,1-Dichloroethene	2.29	96	47628	20.96	ug/l	91
21) trans-1,2-Dichloroethene	2.99	96	78703	31.45	ug/l	95
27) cis-1,2-Dichloroethene	4.24	96	14122272	4909.35	ug/l	88
40) Benzene	5.40	78	100856	10.06	ug/l	100
44) Trichloroethene	6.19	130	282482	98.97	ug/l	97
52) Toluene	7.64	92	5379	0.83	ug/l	94
55) 1,1,2-Trichloroethane	8.08	97	1883	0.72	ug/l	87
64) Tetrachloroethene	8.23	164	4598	1.73	ug/l	89
65) Chlorobenzene	9.12	112	373596	52.37	ug/l	99
87) 1,3-Dichlorobenzene	11.42	146	5486	1.01	ug/l	94
88) 1,4-Dichlorobenzene	11.51	146	7473	1.37	ug/l	93
91) 1,2-Dichlorobenzene	11.89	146	27381	5.03	ug/l	100

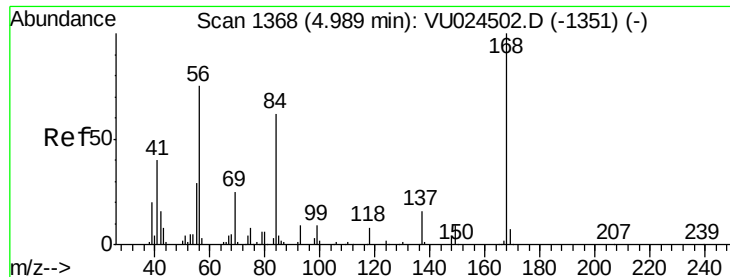
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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





#1

Pentafluorobenzene

Concen: 50.00 ug/l

RT: 4.99 min Scan# 1368

Delta R.T. -0.00 min

Lab File: VU024857.D

Acq: 23 Jun 2018 01:29

Instrument :

MSVOA_U

ClientSampleId :

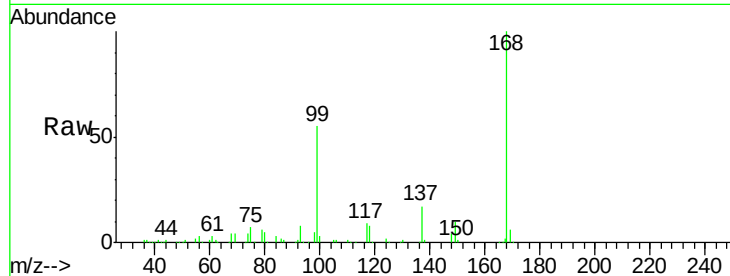
WP021MW346-180619

Tot Ion:168 Resp: 199516

Ion Ratio Lower Upper

168 100

99 55.2 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

100000

80000

60000

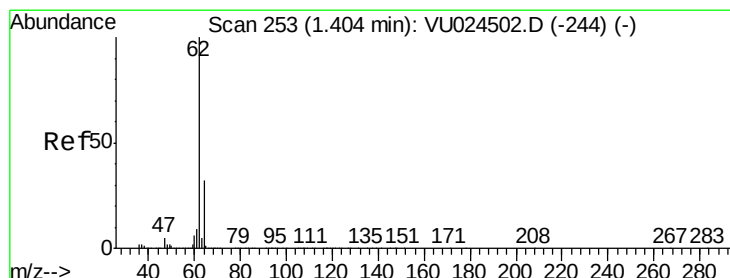
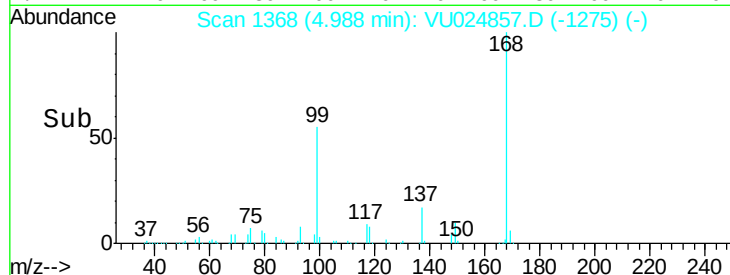
40000

20000

0

4.90 4.95 5.00 5.05 5.10

Time-->



#4

Vinyl Chloride

Concen: 1577.60 ug/l

RT: 1.40 min Scan# 253

Delta R.T. -0.00 min

Lab File: VU024857.D

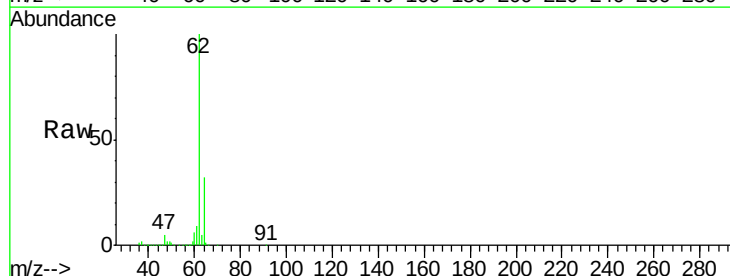
Acq: 23 Jun 2018 01:29

Tgt Ion: 62 Resp: 4150966

Ion Ratio Lower Upper

62 100

64 32.3 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

4000000

3000000

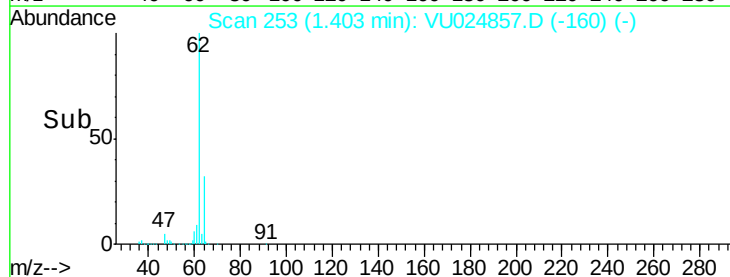
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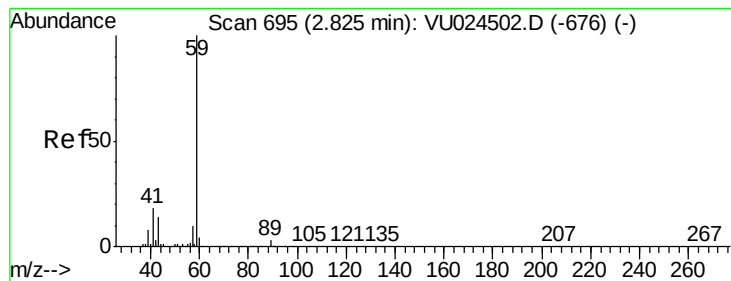
1000000

0

1.40 1.50

Time-->



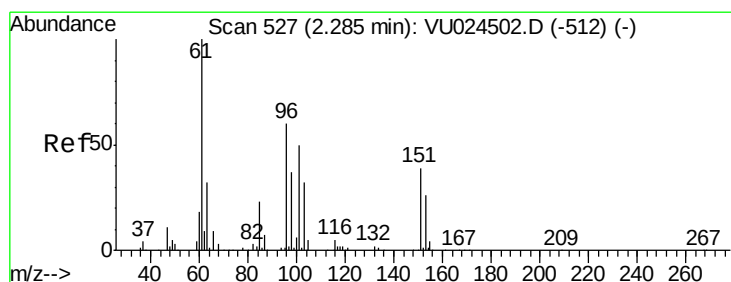
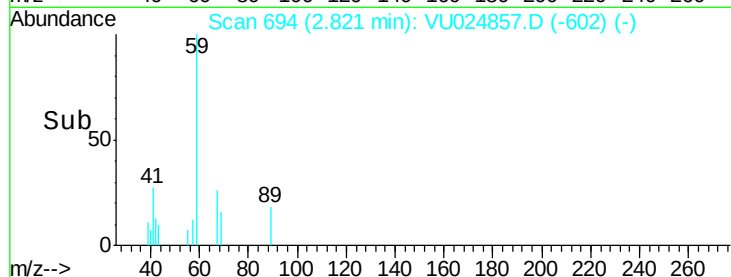
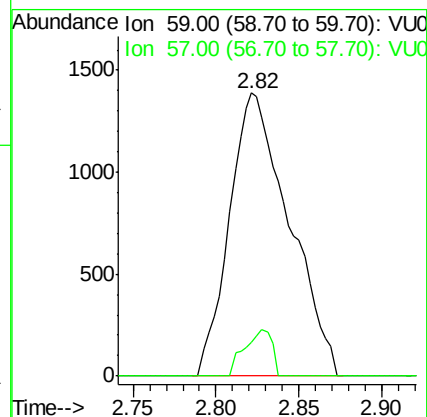
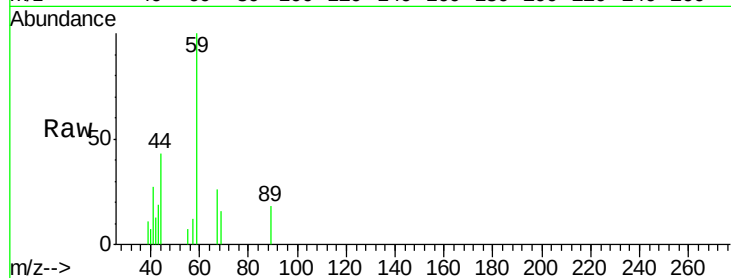


#11

Tert butyl alcohol
 Concen: 4.37 ug/l
 RT: 2.82 min Scan# 694
 Delta R.T. -0.00 min
 Lab File: VU024857.D
 Acq: 23 Jun 2018 01:29

Instrument :
 MSVOA_U
 ClientSampleId :
 WP021MW346-180619

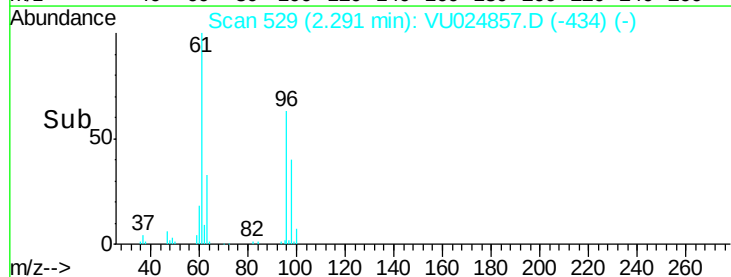
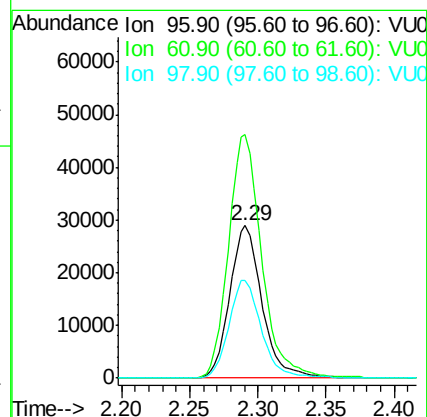
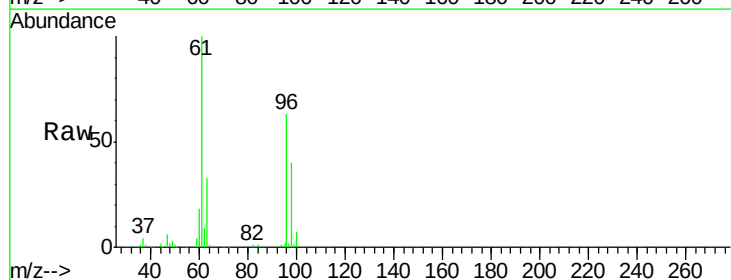
Tot Ion: 59 Resp: 3465
 Ion Ratio Lower Upper
 59 100
 57 7.4 8.5 12.7#

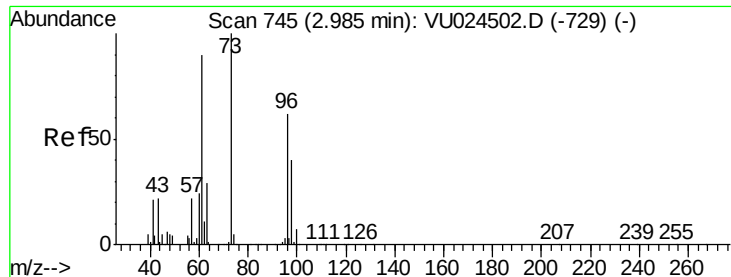


#12

1,1-Dichloroethene
 Concen: 20.96 ug/l
 RT: 2.29 min Scan# 529
 Delta R.T. 0.01 min
 Lab File: VU024857.D
 Acq: 23 Jun 2018 01:29

Tgt Ion: 96 Resp: 47628
 Ion Ratio Lower Upper
 96 100
 61 160.0 141.7 212.5
 98 64.3 51.6 77.4





#21

trans-1,2-Dichloroethene

Concen: 31.45 ug/l

RT: 2.99 min Scan# 747

Delta R.T. 0.01 min

Lab File: VU024857.D

Acq: 23 Jun 2018 01:29

Instrument :

MSVOA_U

ClientSampleId :

WP021MW346-180619

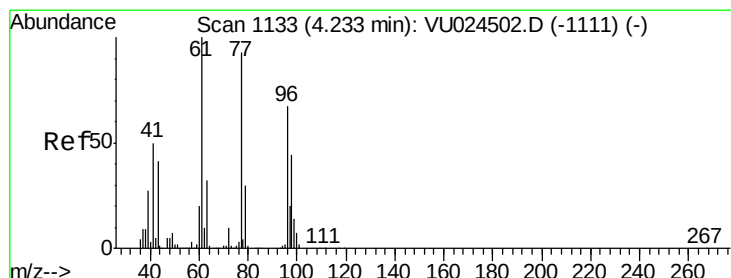
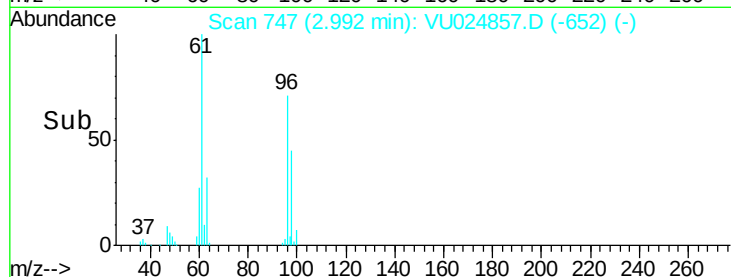
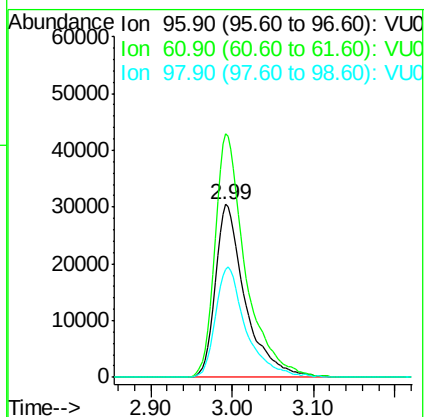
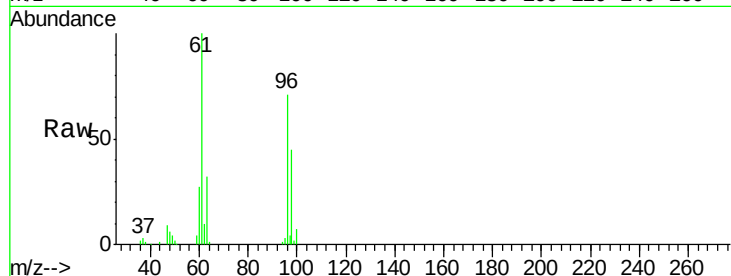
Tot Ion: 96 Resp: 78703

Ion Ratio Lower Upper

96 100

61 140.9 119.4 179.0

98 62.8 51.1 76.7



#27

cis-1,2-Dichloroethene

Concen: 4909.35 ug/l

RT: 4.24 min Scan# 1134

Delta R.T. 0.00 min

Lab File: VU024857.D

Acq: 23 Jun 2018 01:29

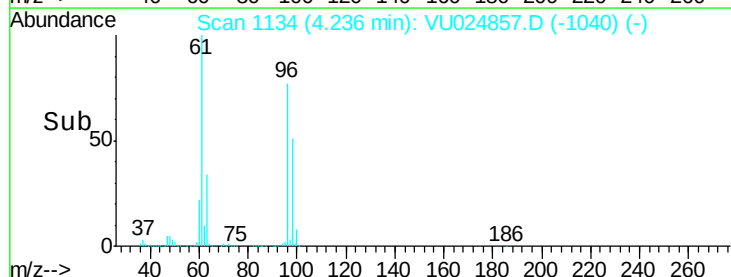
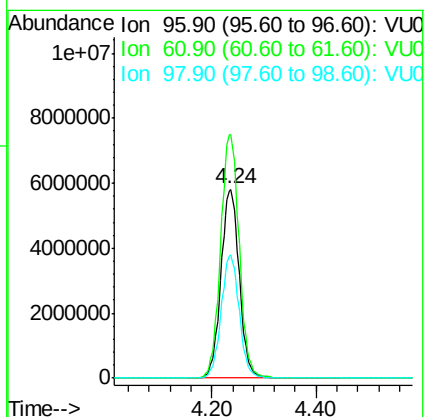
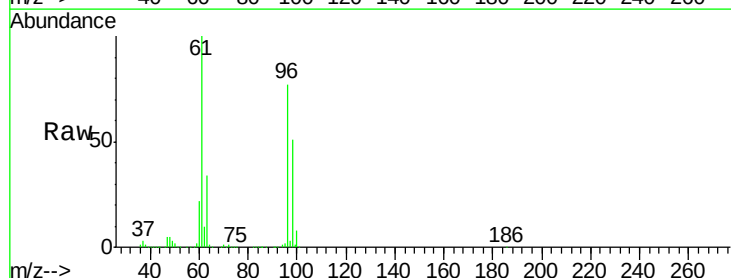
Tgt Ion: 96 Resp: 14122272

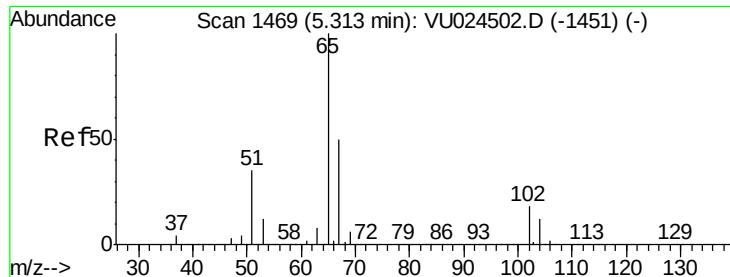
Ion Ratio Lower Upper

96 100

61 130.9 0.0 306.6

98 64.6 0.0 128.8

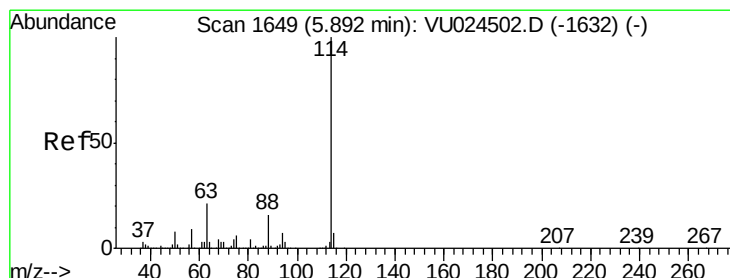
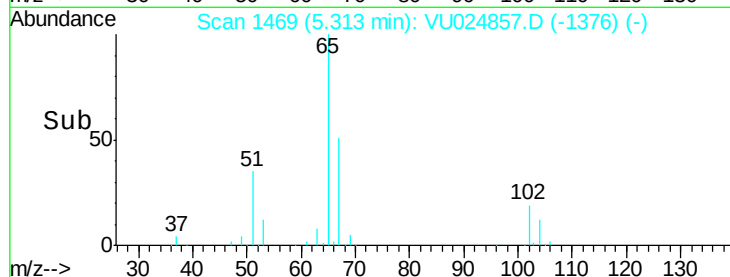
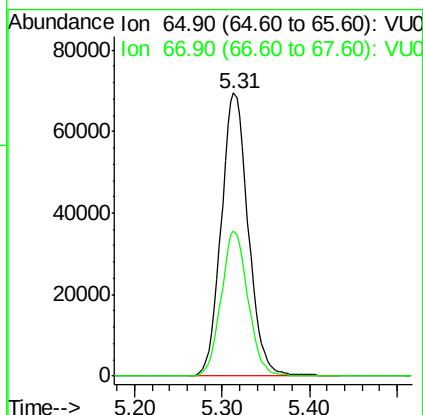
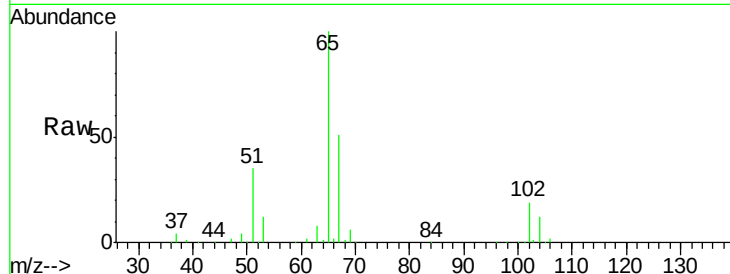




#33
 1,2-Dichloroethane-d4
 Concen: 45.77 ug/l
 RT: 5.31 min Scan# 1469
 Delta R.T. -0.00 min
 Lab File: VU024857.D
 Acq: 23 Jun 2018 01:29

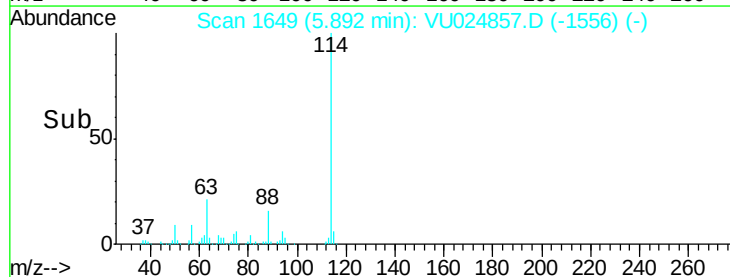
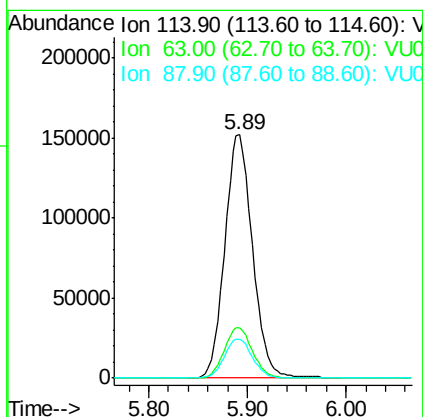
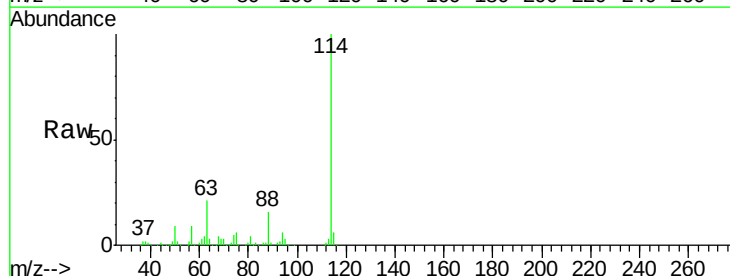
Instrument :
 MSVOA_U
 ClientSampleId :
 WP021MW346-180619

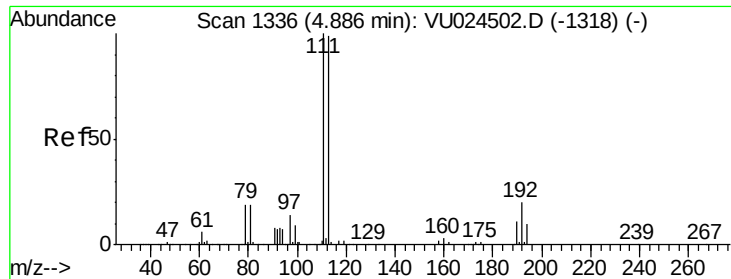
Tot Ion: 65 Resp: 149072
 Ion Ratio Lower Upper
 65 100
 67 50.9 0.0 107.0



#34
 1,4-Difluorobenzene
 Concen: 50.00 ug/l
 RT: 5.89 min Scan# 1649
 Delta R.T. -0.00 min
 Lab File: VU024857.D
 Acq: 23 Jun 2018 01:29

Tgt Ion: 114 Resp: 299534
 Ion Ratio Lower Upper
 114 100
 63 20.7 0.0 45.4
 88 16.1 0.0 31.0

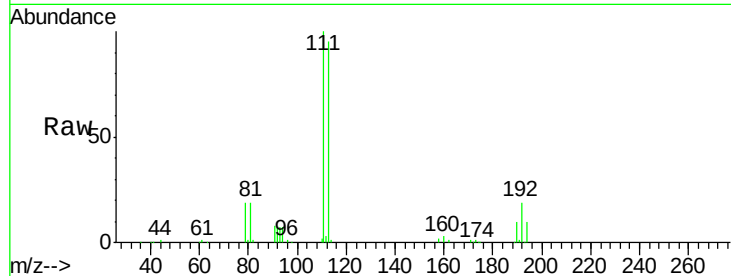




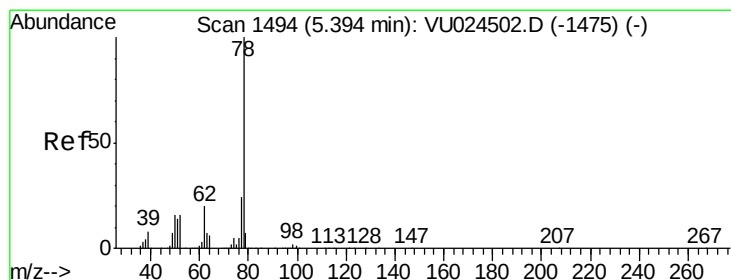
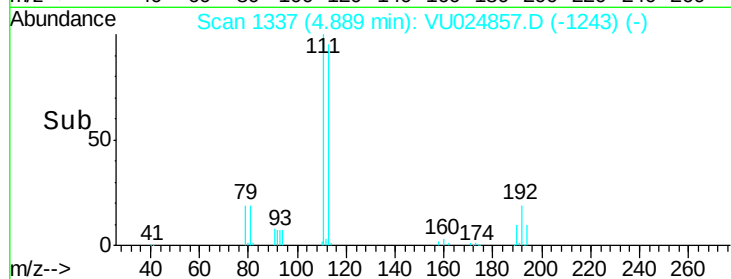
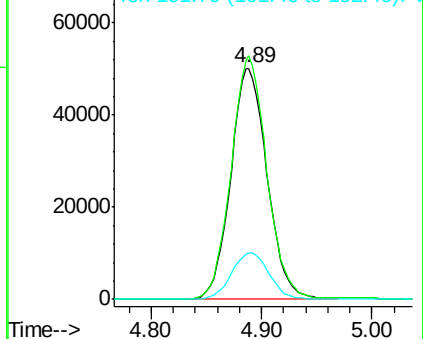
#35
 Dibromofluoromethane
 Concen: 45.96 ug/l
 RT: 4.89 min Scan# 1337
 Delta R.T. 0.00 min
 Lab File: VU024857.D
 Acq: 23 Jun 2018 01:29

Instrument :
 MSVOA_U
 ClientSampleId :
 WP021MW346-180619

Tot Ion	Ratio	Lower	Upper
113	100		
111	103.4	82.2	123.4
192	20.7	16.2	24.4

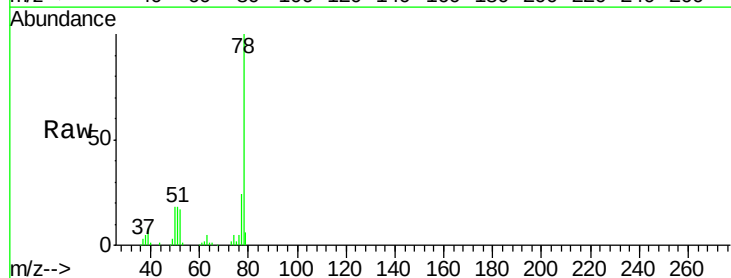


Abundance Ion 112.80 (112.50 to 113.50): V
 Ion 110.80 (110.50 to 111.50): V
 Ion 191.70 (191.40 to 192.40): V

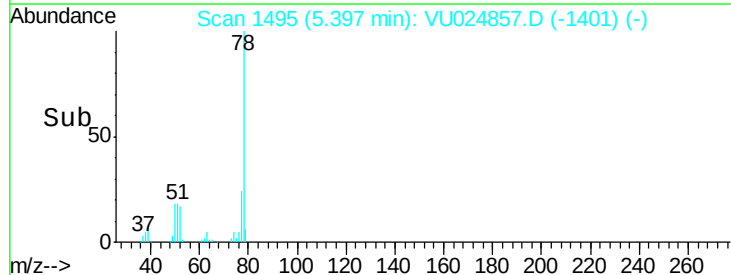
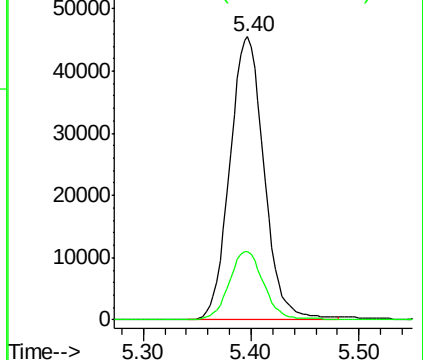


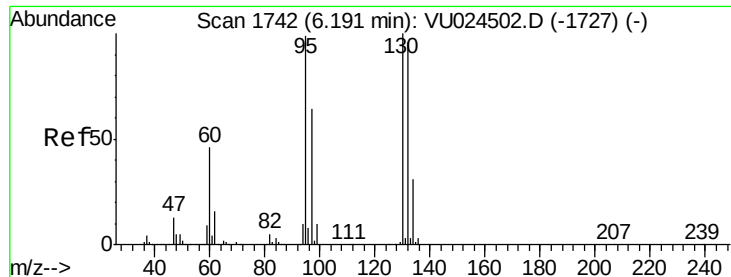
#40
 Benzene
 Concen: 10.06 ug/l
 RT: 5.40 min Scan# 1495
 Delta R.T. 0.00 min
 Lab File: VU024857.D
 Acq: 23 Jun 2018 01:29

Tgt Ion	Ratio	Lower	Upper
78	100		
77	24.1	19.2	28.8



Abundance Ion 78.00 (77.70 to 78.70): VU0
 Ion 77.00 (76.70 to 77.70): VU0





#44

Trichloroethene

Concen: 98.97 ug/l

RT: 6.19 min Scan# 1742

Delta R.T. -0.00 min

Lab File: VU024857.D

Acq: 23 Jun 2018 01:29

Instrument :

MSVOA_U

ClientSampleId :

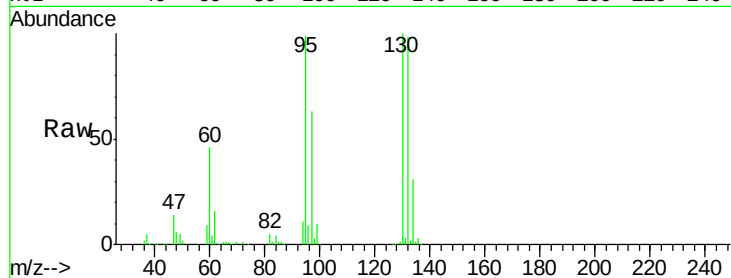
WP021MW346-180619

Tot Ion:130 Resp: 282482

Ion Ratio Lower Upper

130 100

95 98.5 0.0 202.4



Abundance Ion 129.80 (129.50 to 130.50): V

Ion 94.90 (94.60 to 95.60): VU0

6.19

150000

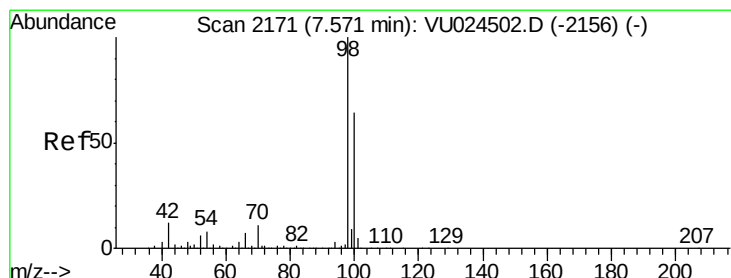
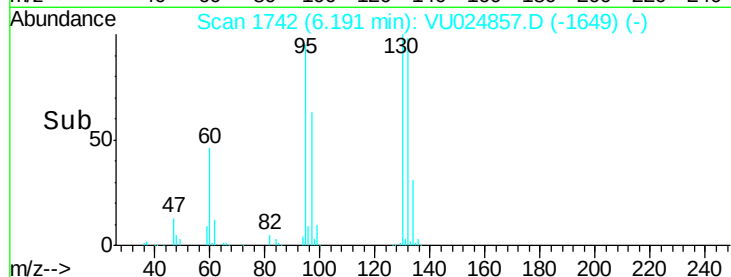
100000

50000

0

6.10 6.20 6.30

Time-->



#50

Toluene-d8

Concen: 48.10 ug/l

RT: 7.57 min Scan# 2170

Delta R.T. -0.00 min

Lab File: VU024857.D

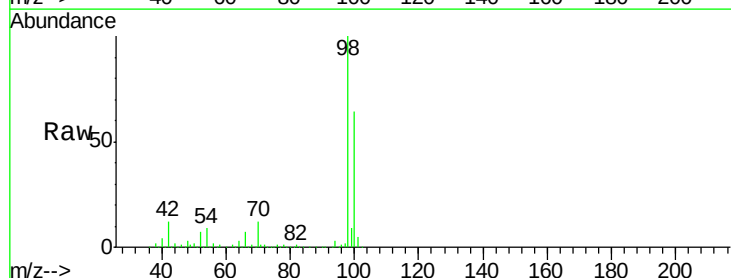
Acq: 23 Jun 2018 01:29

Tgt Ion: 98 Resp: 436145

Ion Ratio Lower Upper

98 100

100 63.1 51.1 76.7



Abundance Ion 98.00 (97.70 to 98.70): VU0

Ion 100.00 (99.70 to 100.70): VU0

7.57

300000

250000

200000

150000

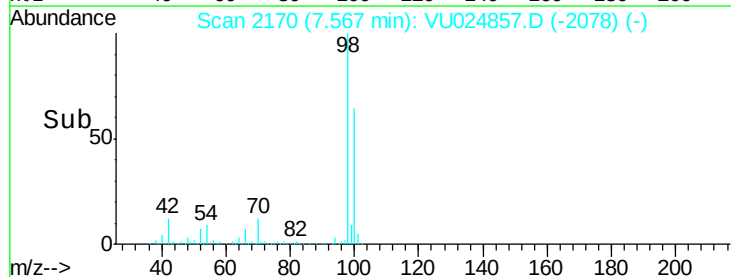
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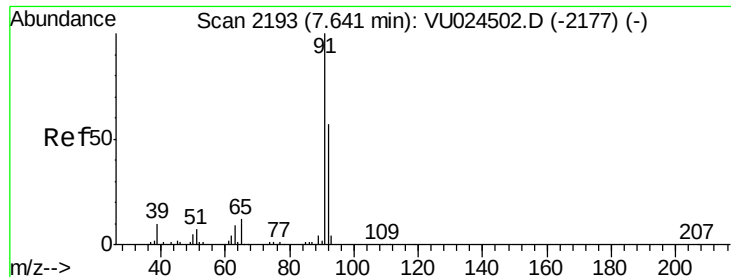
50000

0

7.50 7.60 7.70

Time-->





#52

Toluene

Concen: 0.83 ug/l

RT: 7.64 min Scan# 2194

Delta R.T. 0.00 min

Lab File: VU024857.D

Acq: 23 Jun 2018 01:29

Instrument :

MSVOA_U

ClientSampleId :

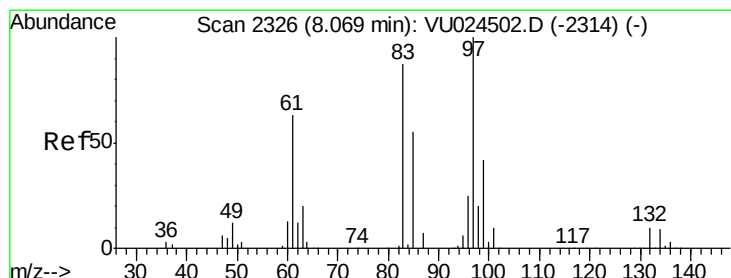
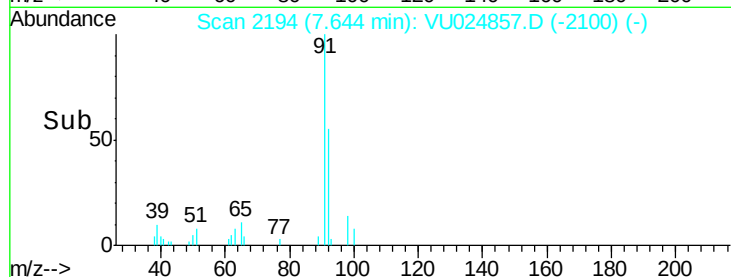
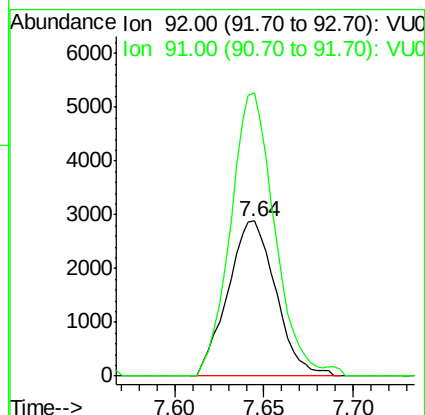
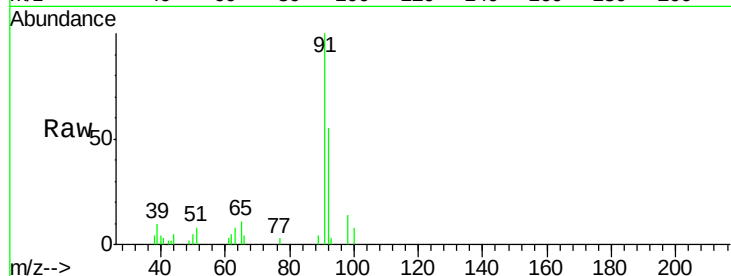
WP021MW346-180619

Tot Ion: 92 Resp: 5379

Ion Ratio Lower Upper

92 100

91 167.5 140.5 210.7



#55

1,1,2-Trichloroethane

Concen: 0.72 ug/l

RT: 8.08 min Scan# 2328

Delta R.T. 0.01 min

Lab File: VU024857.D

Acq: 23 Jun 2018 01:29

Tgt Ion: 97 Resp: 1883

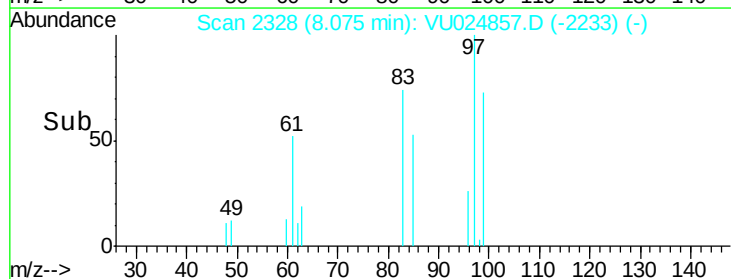
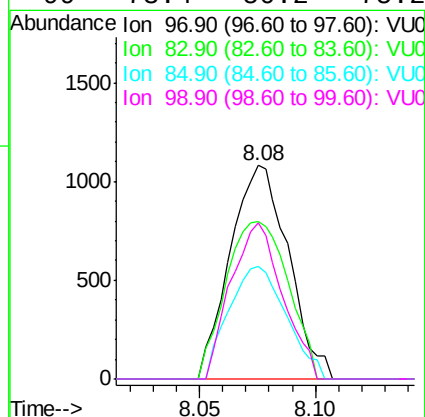
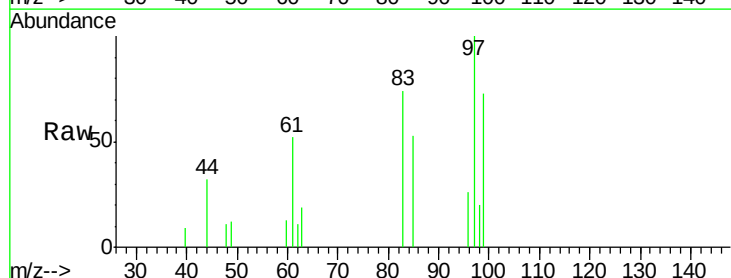
Ion Ratio Lower Upper

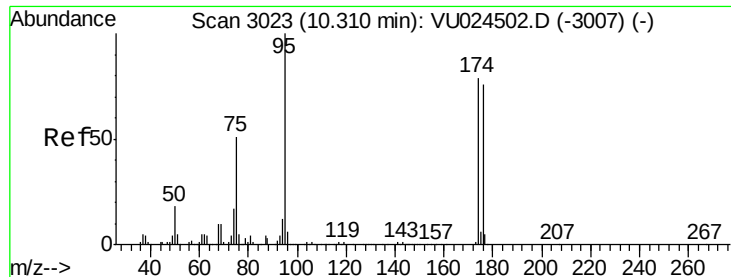
97 100

83 73.7 70.5 105.7

85 52.7 46.4 69.6

99 73.4 50.2 75.2





#62

4-Bromofluorobenzene

Concen: 45.23 ug/l

RT: 10.31 min Scan# 3023

Delta R.T. -0.00 min

Lab File: VU024857.D

Acq: 23 Jun 2018 01:29

Instrument :

MSVOA_U

ClientSampleId :

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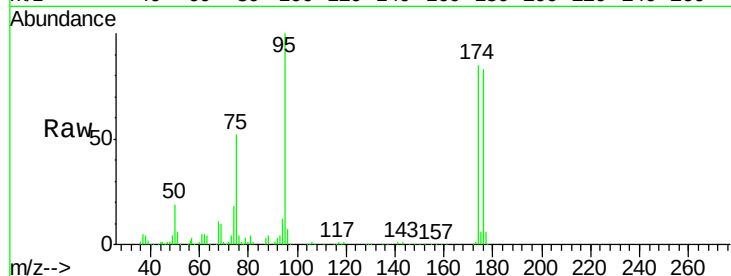
Tot Ion: 95 Resp: 162822

Ion Ratio Lower Upper

95 100

174 84.9 0.0 165.8

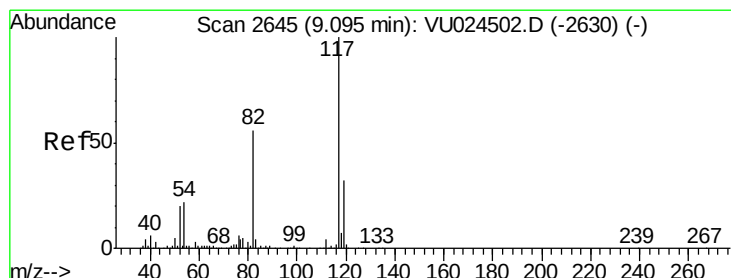
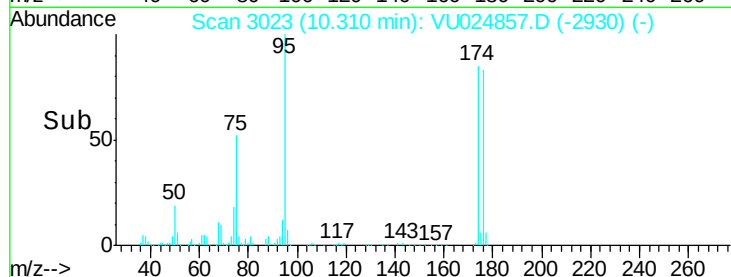
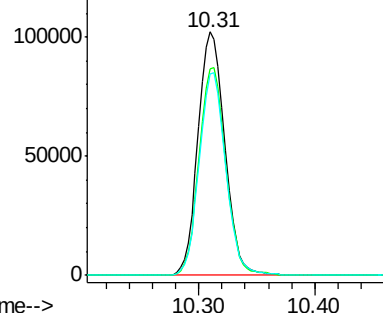
176 82.2 0.0 159.4



Abundance Ion 94.90 (94.60 to 95.60): VU024502.D (-3007) (-)

Ion 173.80 (173.50 to 174.50): VU024502.D (-3007) (-)

Ion 175.80 (175.50 to 176.50): VU024502.D (-3007) (-)



#63

Chlorobenzene-d5

Concen: 50.00 ug/l

RT: 9.09 min Scan# 2645

Delta R.T. -0.00 min

Lab File: VU024857.D

Acq: 23 Jun 2018 01:29

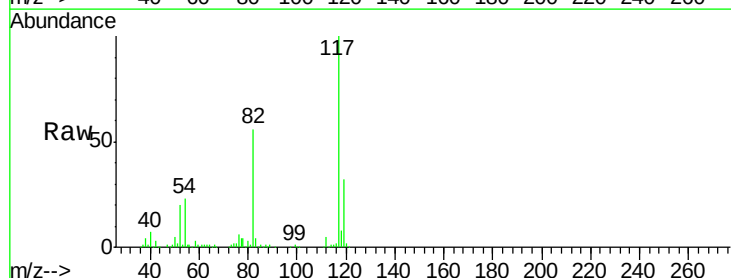
Tgt Ion: 117 Resp: 279243

Ion Ratio Lower Upper

117 100

82 56.1 44.3 66.5

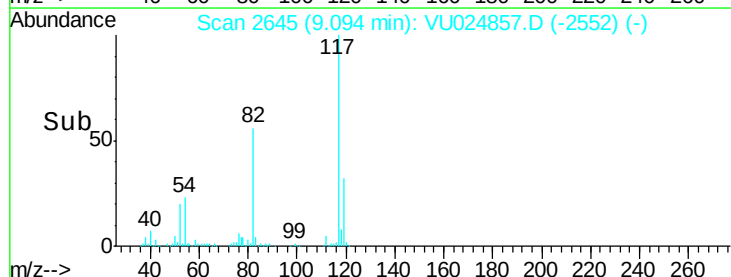
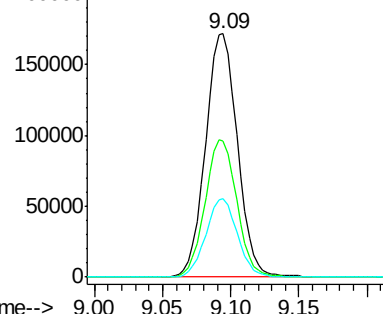
119 32.3 25.4 38.2

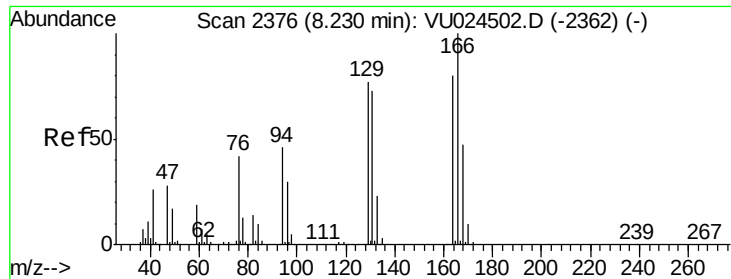


Abundance Ion 116.90 (116.60 to 117.60): VU024502.D (-2630) (-)

Ion 82.00 (81.70 to 82.70): VU024502.D (-2630) (-)

Ion 118.90 (118.60 to 119.60): VU024502.D (-2630) (-)

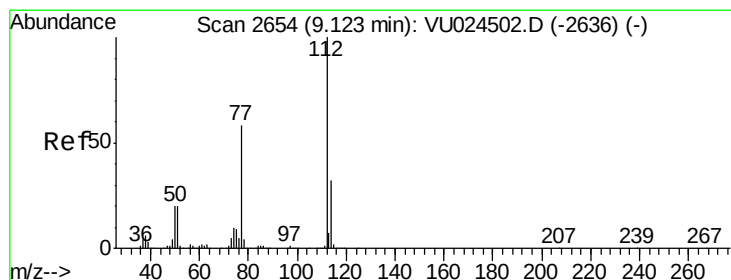
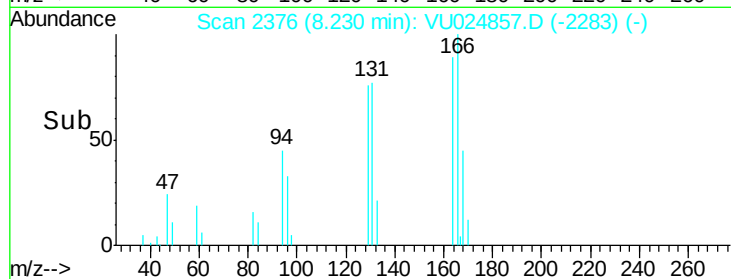
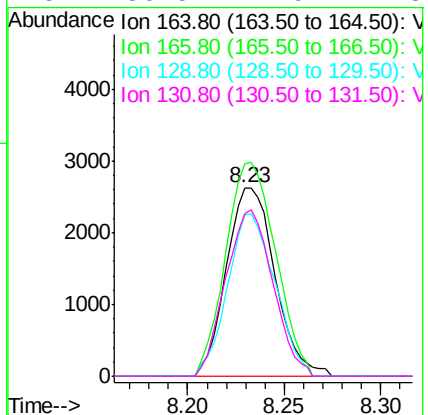
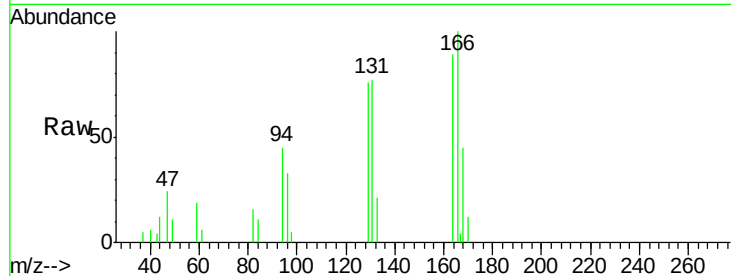




#64
Tetrachloroethene
Concen: 1.73 ug/l
RT: 8.23 min Scan# 2376
Delta R.T. -0.00 min
Lab File: VU024857.D
Acq: 23 Jun 2018 01:29

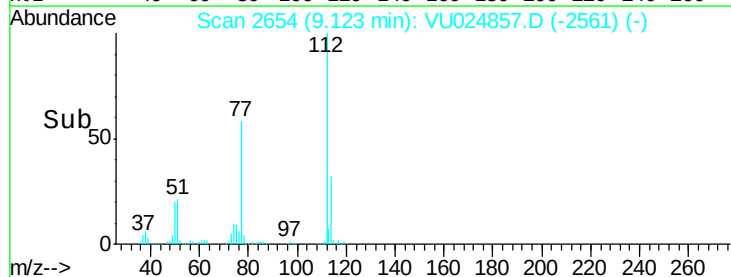
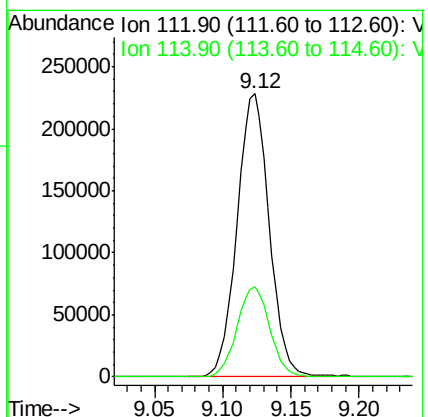
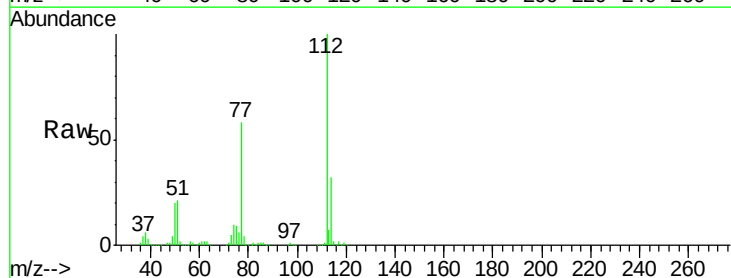
Instrument :
MSVOA_U
ClientSampleId :
WP021MW346-180619

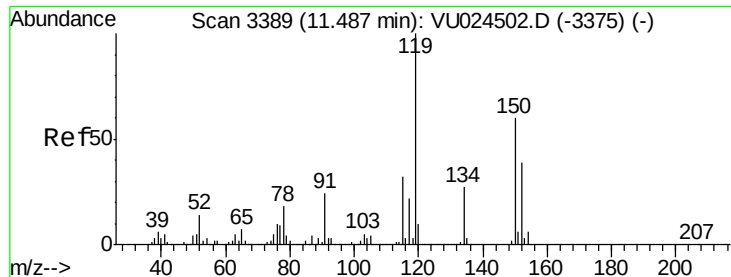
Tot Ion:164 Resp: 4598
Ion Ratio Lower Upper
164 100
166 112.5 101.7 152.5
129 85.6 76.9 115.3
131 86.5 74.9 112.3



#65
Chlorobenzene
Concen: 52.37 ug/l
RT: 9.12 min Scan# 2654
Delta R.T. -0.00 min
Lab File: VU024857.D
Acq: 23 Jun 2018 01:29

Tgt Ion:112 Resp: 373596
Ion Ratio Lower Upper
112 100
114 31.7 25.6 38.4





#72

1,4-Dichlorobenzene-d4

Concen: 50.00 ug/l

RT: 11.49 min Scan# 3389

Delta R.T. -0.00 min

Lab File: VU024857.D

Acq: 23 Jun 2018 01:29

Instrument :

MSVOA_U

ClientSampleId :

WP021MW346-180619

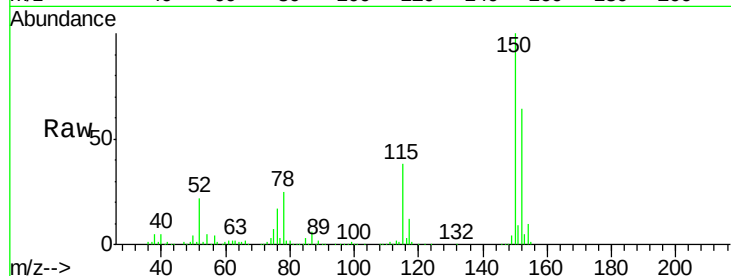
Tot Ion:152 Resp: 151443

Ion Ratio Lower Upper

152 100

115 57.0 43.0 129.0

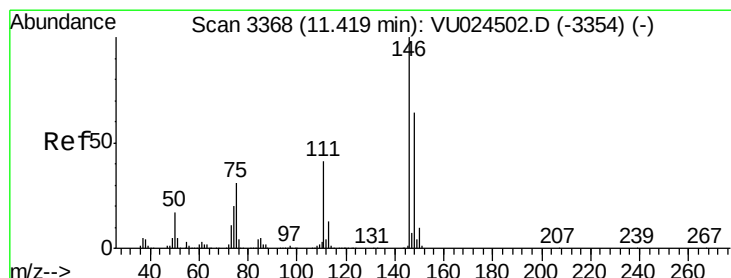
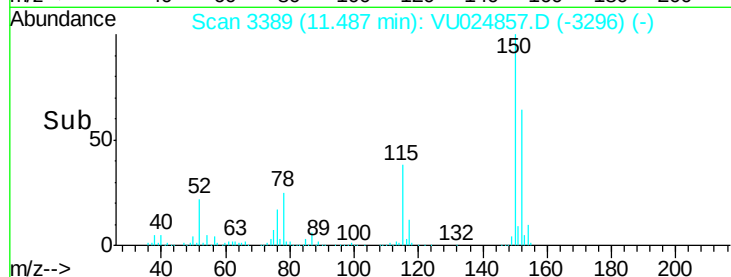
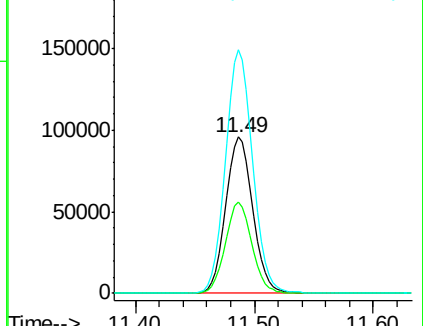
150 155.6 0.0 354.0



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



#87

1,3-Dichlorobenzene

Concen: 1.01 ug/l

RT: 11.42 min Scan# 3369

Delta R.T. 0.00 min

Lab File: VU024857.D

Acq: 23 Jun 2018 01:29

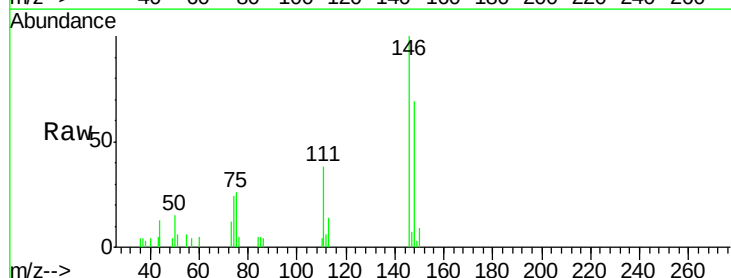
Tgt Ion:146 Resp: 5486

Ion Ratio Lower Upper

146 100

111 33.8 20.0 60.0

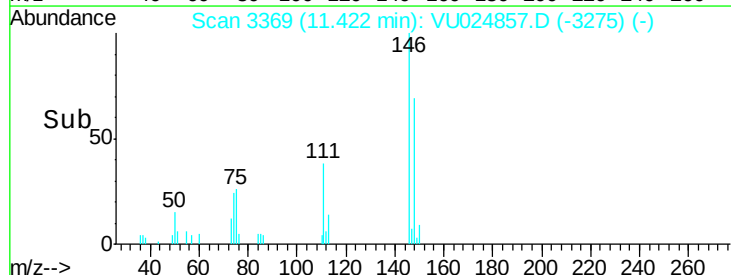
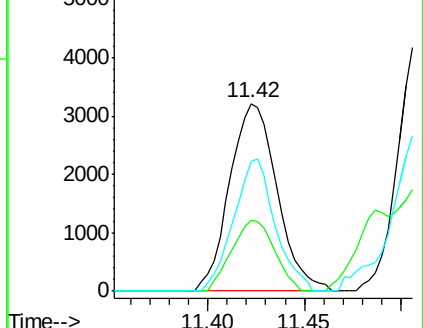
148 61.3 32.1 96.5

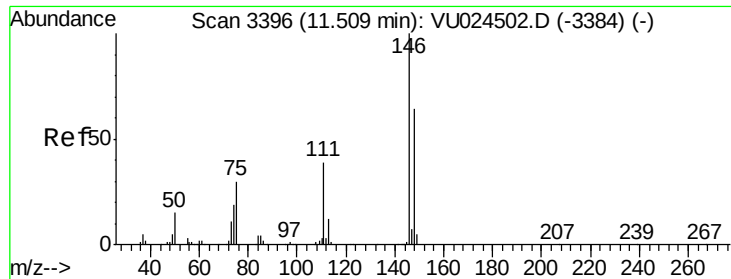


Abundance Ion 145.90 (145.60 to 146.60): V

Ion 110.90 (110.60 to 111.60): V

Ion 147.90 (147.60 to 148.60): V

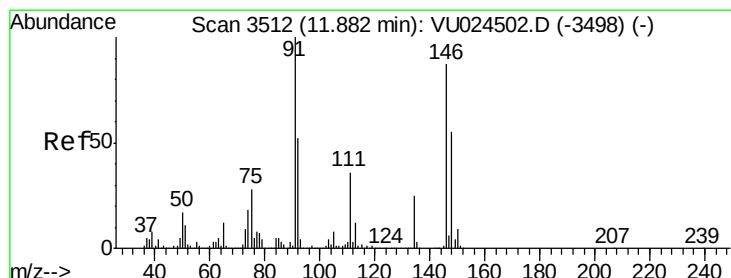
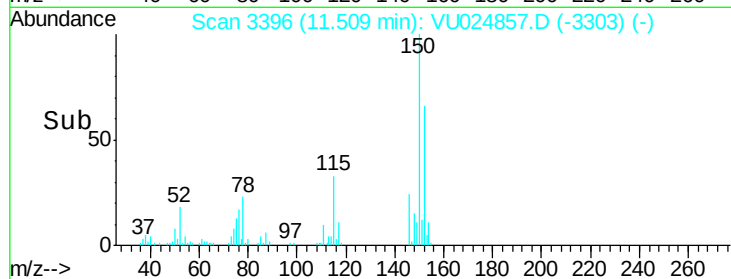
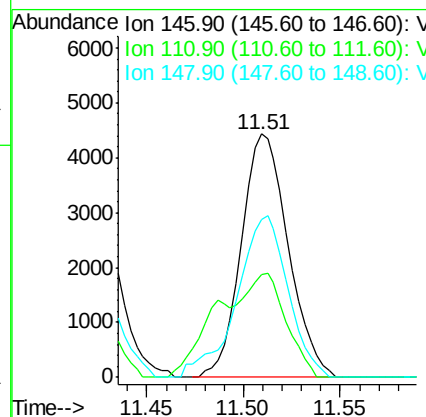
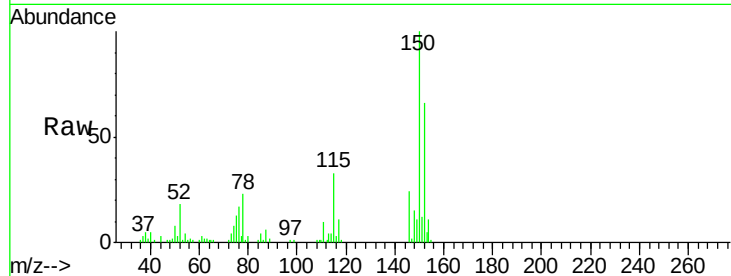




#88
 1,4-Dichlorobenzene
 Concen: 1.37 ug/l
 RT: 11.51 min Scan# 3396
 Delta R.T. -0.00 min
 Lab File: VU024857.D
 Acq: 23 Jun 2018 01:29

Instrument :
 MSVOA_U
 ClientSampleId :
 WP021MW346-180619

Tot Ion	Ratio	Lower	Upper
146	100		
111	37.3	19.5	58.5
148	72.4	32.4	97.0



#91
 1,2-Dichlorobenzene
 Concen: 5.03 ug/l
 RT: 11.89 min Scan# 3513
 Delta R.T. 0.00 min
 Lab File: VU024857.D
 Acq: 23 Jun 2018 01:29

Tgt Ion	Ratio	Lower	Upper
146	100		
111	41.0	20.5	61.6
148	64.2	31.9	95.7

