

Data Path : Z:\VOASRV\HPCHEM1\MSVOA U\DATA\VU062318\
 Data File : VU024852.D
 Acq On : 22 Jun 2018 23:28
 Operator : MD/SY
 Sample : J3662-04
 Misc : 5.0mL/MSVOA U/WATER
 ALS Vial : 15 Sample Multiplier: 1

Instrument :
 MSVOA_U
 ClientSampleId :
 WP021MW345-180618

Quant Time: Jun 23 04:25:05 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	196225	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	5.89	114	301315	50.00	ug/l	0.00
63) Chlorobenzene-d5	9.09	117	289400	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	11.49	152	170696	50.00	ug/l	0.00

System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	5.31	65	147110	45.92	ug/l	0.00
Spiked Amount	50.000		Recovery	=	91.84%	
35) Dibromofluoromethane	4.89	113	113213	45.27	ug/l	0.00
Spiked Amount	50.000		Recovery	=	90.54%	
50) Toluene-d8	7.57	98	442307	48.49	ug/l	0.00
Spiked Amount	50.000		Recovery	=	96.98%	
62) 4-Bromofluorobenzene	10.31	95	171181	47.27	ug/l	0.00
Spiked Amount	50.000		Recovery	=	94.54%	

Target Compounds						Qvalue
4) Vinyl Chloride	1.40	62	11383650	4398.98	ug/l	89
11) Tert butyl alcohol	2.82	59	38873	49.89	ug/l	99
12) 1,1-Dichloroethene	2.29	96	37500	16.78	ug/l	96
16) Acetone	2.32	43	3050	1.77	ug/l	96
17) Carbon Disulfide	2.49	76	3607	0.50	ug/l	97
21) trans-1,2-Dichloroethene	2.99	96	149531	60.76	ug/l	97
27) cis-1,2-Dichloroethene	4.24	96	16523535	5840.44	ug/l	87
29) Tetrahydrofuran	4.64	42	1570	1.10	ug/l #	43
30) Chloroform	4.68	83	2703	0.56	ug/l	95
31) Cyclohexane	4.99	56	10890	0.64	ug/l #	68
39) Methylcyclohexane	6.42	83	30628	6.93	ug/l	96
40) Benzene	5.39	78	395301	39.18	ug/l	98
42) 1,2-Dichloroethane	5.41	62	48805	12.70	ug/l	98
44) Trichloroethene	6.19	130	133899	46.63	ug/l	99
49) 1,4-Dioxane	6.62	88	8261	130.05	ug/l #	85
52) Toluene	7.64	92	111086	17.11	ug/l	98
64) Tetrachloroethene	8.23	164	1883	0.68	ug/l	96
65) Chlorobenzene	9.13	112	6255062	846.07	ug/l	99
67) Ethyl Benzene	9.26	91	105392	8.13	ug/l	93
68) m/p-Xylenes	9.38	106	19661	3.95	ug/l	96
69) o-Xylene	9.78	106	64854	13.17	ug/l	97
73) Isopropylbenzene	10.17	105	54051	4.12	ug/l	99
78) n-propylbenzene	10.59	91	66462	4.31	ug/l	98
80) 1,3,5-Trimethylbenzene	10.78	105	56401	4.97	ug/l	98
83) tert-Butylbenzene	11.10	119	73781	6.75	ug/l	90
84) 1,2,4-Trimethylbenzene	11.15	105	102400	8.85	ug/l	99
85) sec-Butylbenzene	11.33	105	84203	6.16	ug/l	97
86) p-Isopropyltoluene	11.48	119	32555	2.66	ug/l	98
87) 1,3-Dichlorobenzene	11.42	146	106897	17.44	ug/l	100
88) 1,4-Dichlorobenzene	11.51	146	344197	55.79	ug/l	99
91) 1,2-Dichlorobenzene	11.88	146	1510473	246.02	ug/l	100
93) 1,2,4-Trichlorobenzene	13.51	180	4724	1.25	ug/l #	88
95) Naphthalene	13.75	128	14115	1.79	ug/l #	89
96) 1,2,3-Trichlorobenzene	13.99	180	2185	0.58	ug/l #	91

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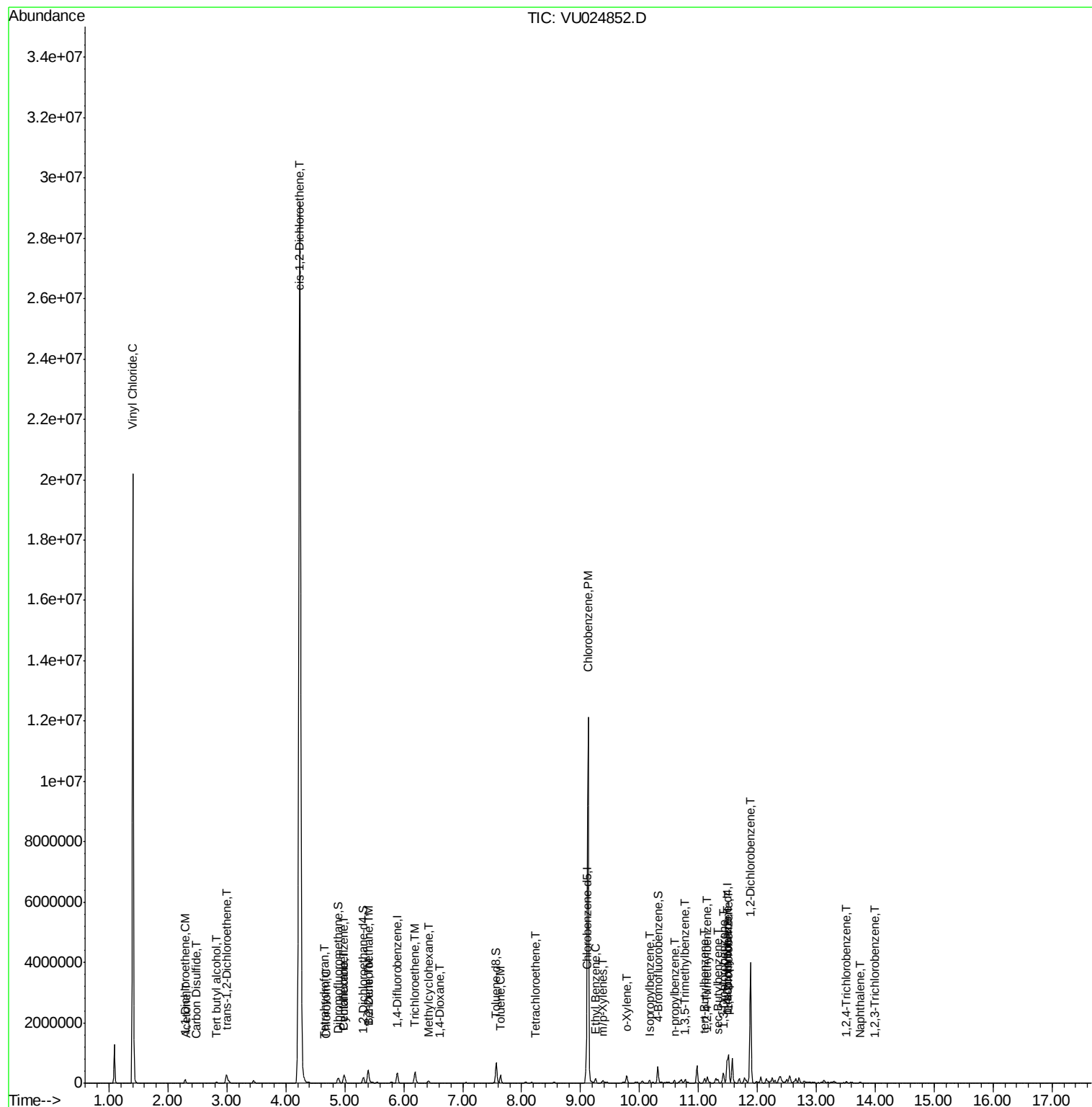
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
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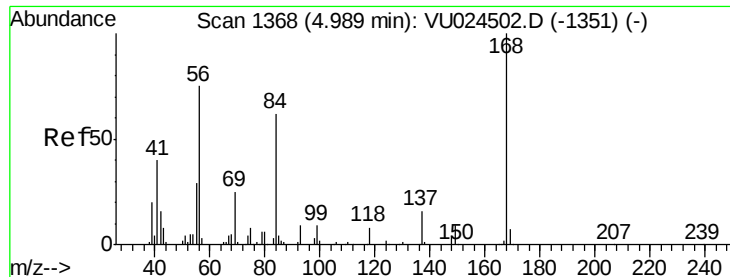
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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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: VU024852.D

Acq: 22 Jun 2018 23:28

Instrument :

MSVOA_U

ClientSampleId :

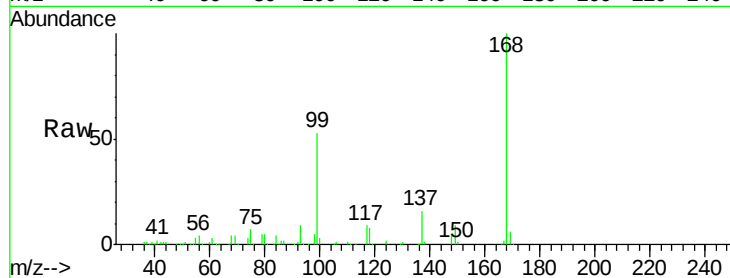
WP021MW345-180618

Tot Ion:168 Resp: 196225

Ion Ratio Lower Upper

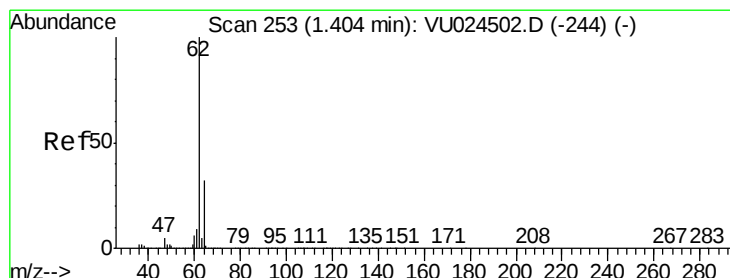
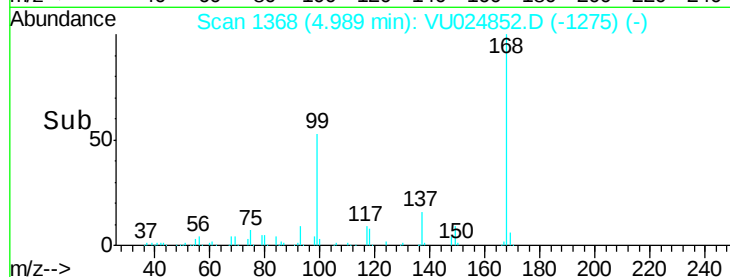
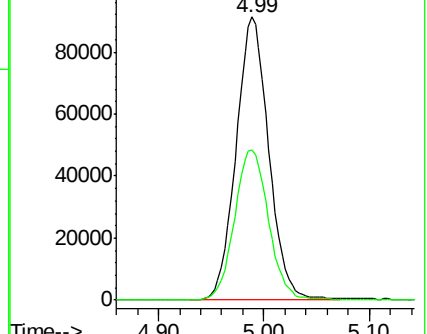
168 100

99 53.1 43.2 64.8



Abundance Ion 167.90 (167.60 to 168.60): VU024852.D (-1351) (-)

Ion 98.90 (98.60 to 99.60): VU024852.D (-1351) (-)



#4

Vinyl Chloride

Concen: 4398.98 ug/l

RT: 1.40 min Scan# 251

Delta R.T. -0.01 min

Lab File: VU024852.D

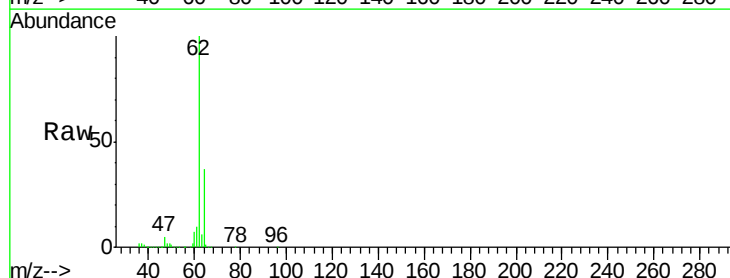
Acq: 22 Jun 2018 23:28

Tgt Ion: 62 Resp:11383650

Ion Ratio Lower Upper

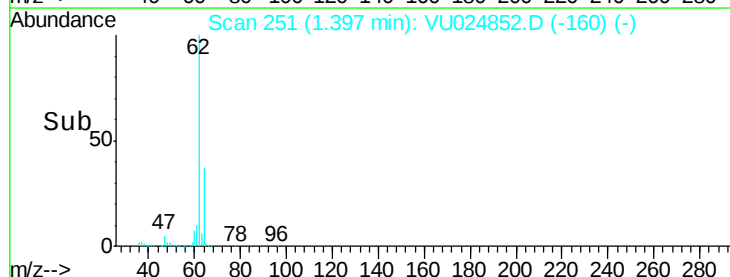
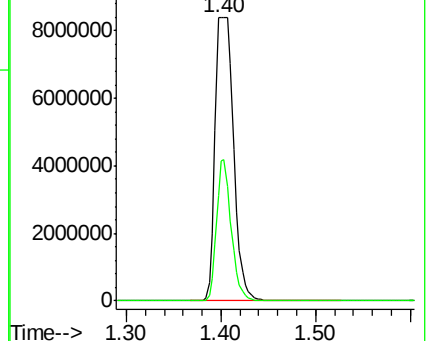
62 100

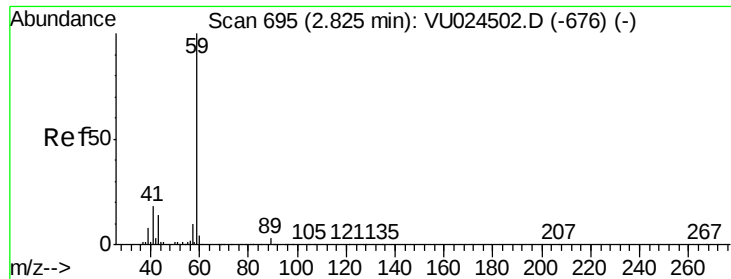
64 37.1 24.8 37.2



Abundance Ion 61.90 (61.60 to 62.60): VU024852.D (-244) (-)

Ion 63.90 (63.60 to 64.60): VU024852.D (-244) (-)

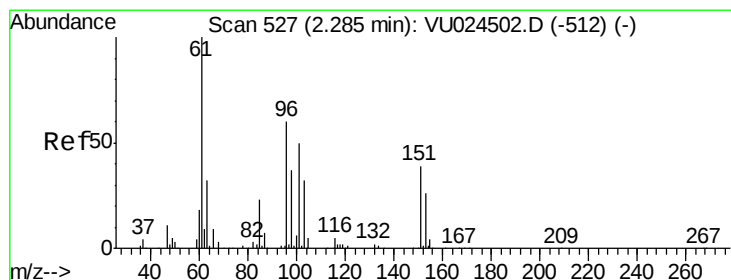
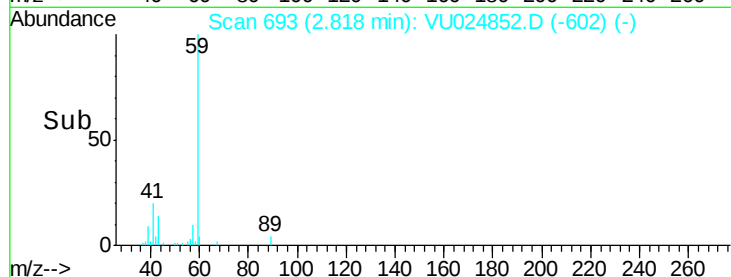
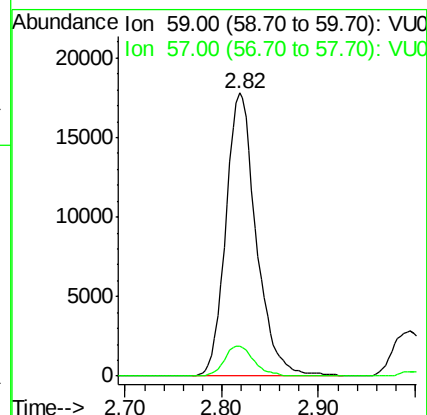
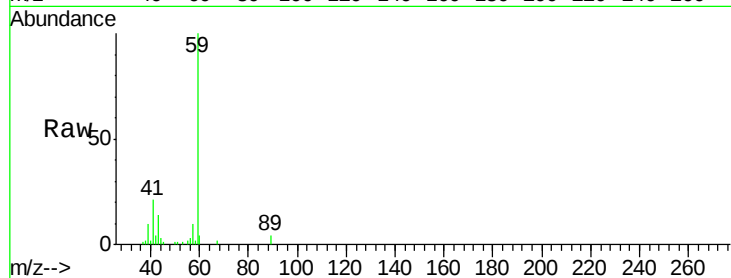




#11
Tert butyl alcohol
Concen: 49.89 ug/l
RT: 2.82 min Scan# 693
Delta R.T. -0.01 min
Lab File: VU024852.D
Acq: 22 Jun 2018 23:28

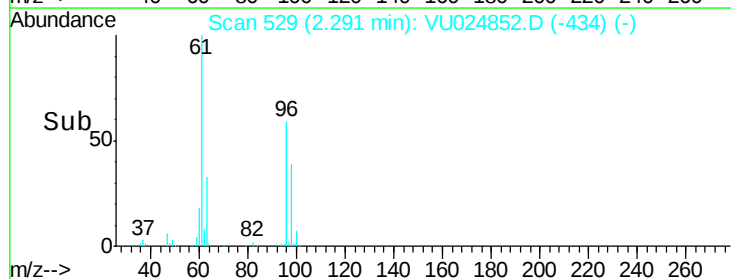
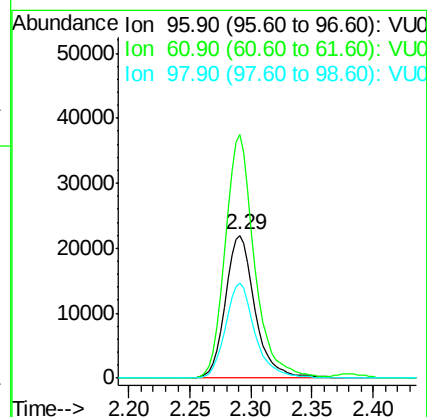
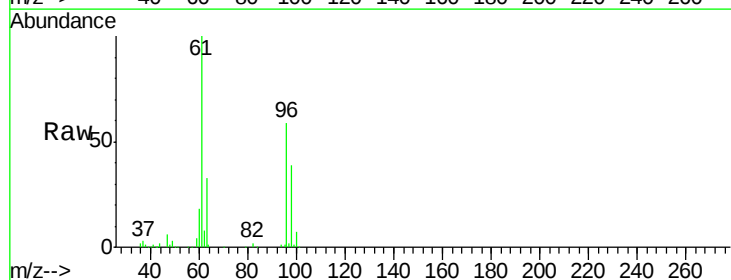
Instrument :
MSVOA_U
ClientSampleId :
WP021MW345-180618

Tot Ion: 59 Resp: 38873
Ion Ratio Lower Upper
59 100
57 10.2 8.5 12.7



#12
1,1-Dichloroethene
Concen: 16.78 ug/l
RT: 2.29 min Scan# 529
Delta R.T. 0.01 min
Lab File: VU024852.D
Acq: 22 Jun 2018 23:28

Tgt Ion: 96 Resp: 37500
Ion Ratio Lower Upper
96 100
61 170.7 141.7 212.5
98 67.0 51.6 77.4





#16

Acetone

Concen: 1.77 ug/l

RT: 2.32 min Scan# 538

Delta R.T. -0.00 min

Lab File: VU024852.D

Acq: 22 Jun 2018 23:28

Instrument :

MSVOA_U

ClientSampleId :

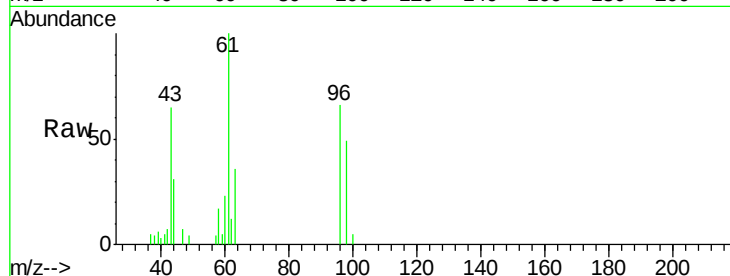
WP021MW345-180618

Tot Ion: 43 Resp: 3050

Ion Ratio Lower Upper

43 100

58 28.3 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

2000

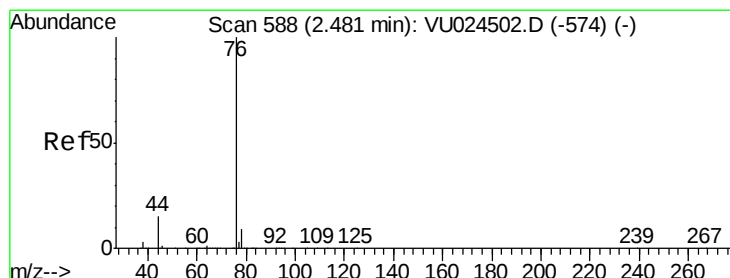
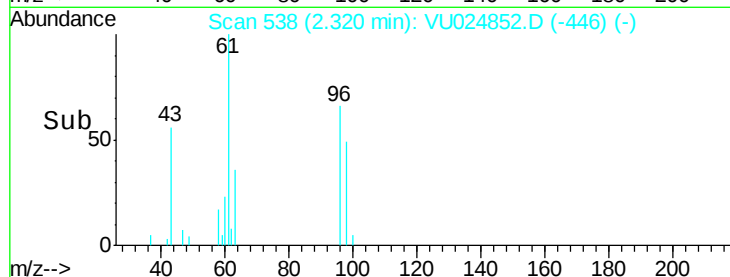
1500

1000

500

0

Time--> 2.25 2.30 2.35 2.40



#17

Carbon Disulfide

Concen: 0.50 ug/l

RT: 2.49 min Scan# 591

Delta R.T. 0.01 min

Lab File: VU024852.D

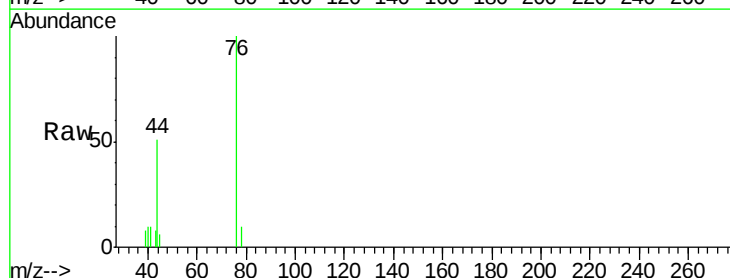
Acq: 22 Jun 2018 23:28

Tgt Ion: 76 Resp: 3607

Ion Ratio Lower Upper

76 100

78 9.8 7.1 10.7



Abundance Ion 75.90 (75.60 to 76.60): VU0

Ion 77.90 (77.60 to 78.60): VU0

2.49

2000

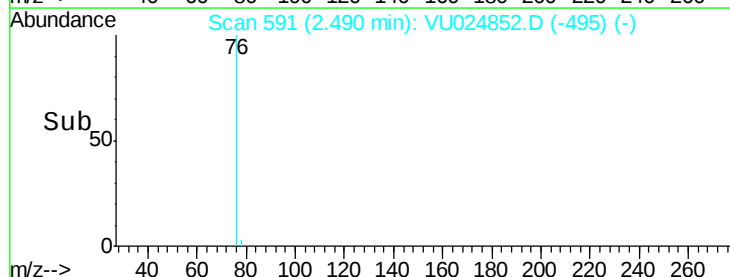
1500

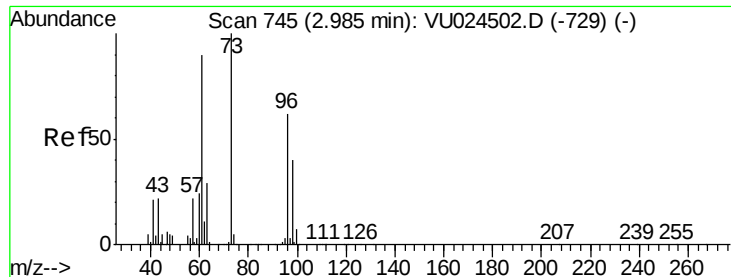
1000

500

0

Time--> 2.45 2.50 2.55





#21

trans-1,2-Dichloroethene

Concen: 60.76 ug/l

RT: 2.99 min Scan# 747

Delta R.T. 0.01 min

Lab File: VU024852.D

Acq: 22 Jun 2018 23:28

Instrument :

MSVOA_U

ClientSampleId :

WP021MW345-180618

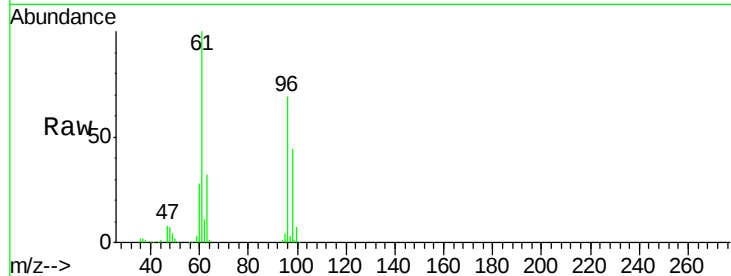
Tot Ion: 96 Resp: 149531

Ion Ratio Lower Upper

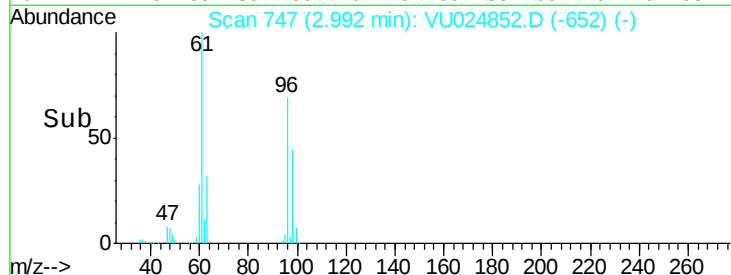
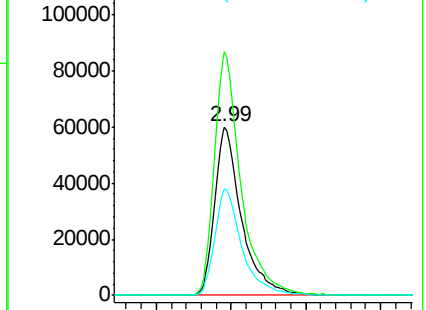
96 100

61 144.4 119.4 179.0

98 63.4 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: 5840.44 ug/l

RT: 4.24 min Scan# 1134

Delta R.T. 0.00 min

Lab File: VU024852.D

Acq: 22 Jun 2018 23:28

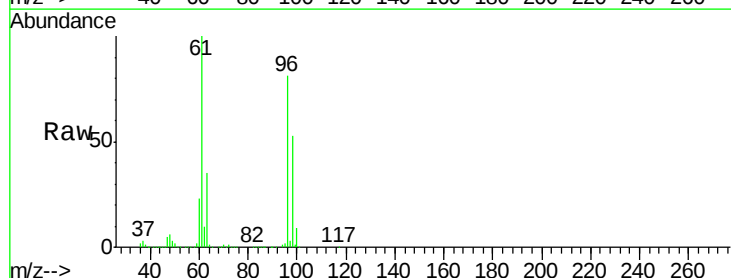
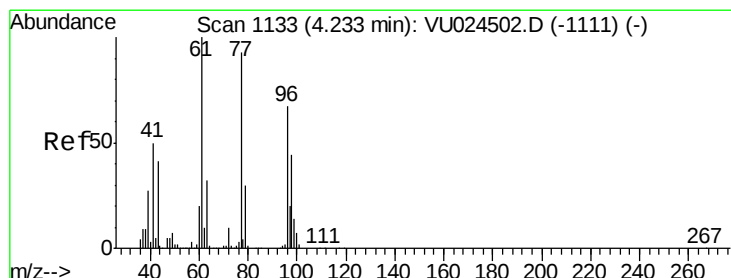
Tgt Ion: 96 Resp: 16523535

Ion Ratio Lower Upper

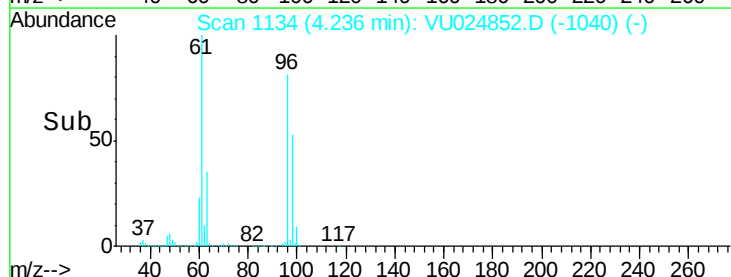
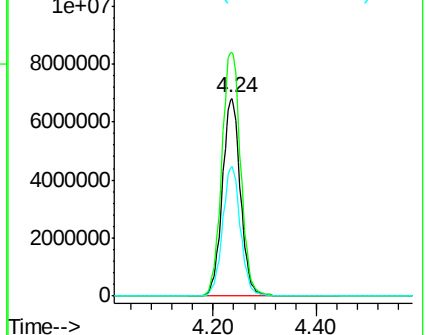
96 100

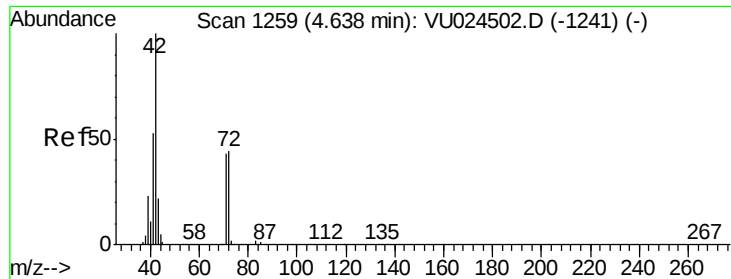
61 129.1 0.0 306.6

98 65.0 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

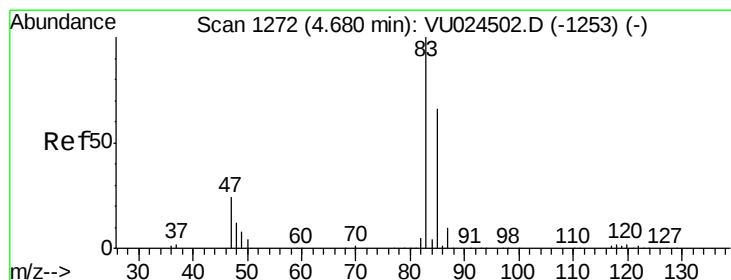
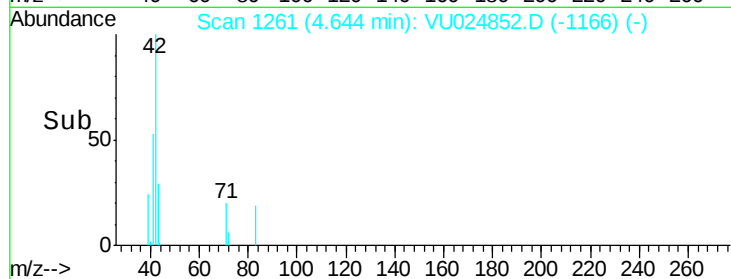
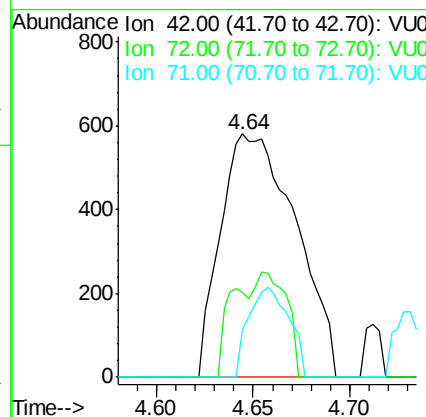
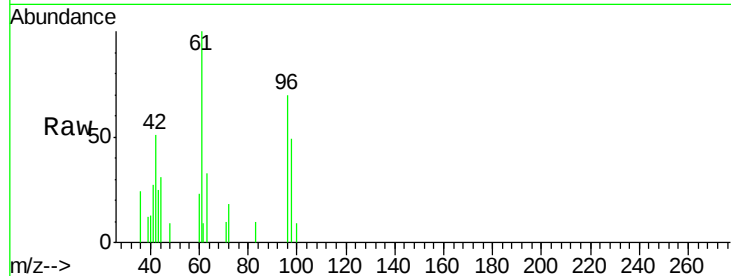




#29
Tetrahydrofuran
Concen: 1.10 ug/l
RT: 4.64 min Scan# 1261
Delta R.T. 0.01 min
Lab File: VU024852.D
Acq: 22 Jun 2018 23:28

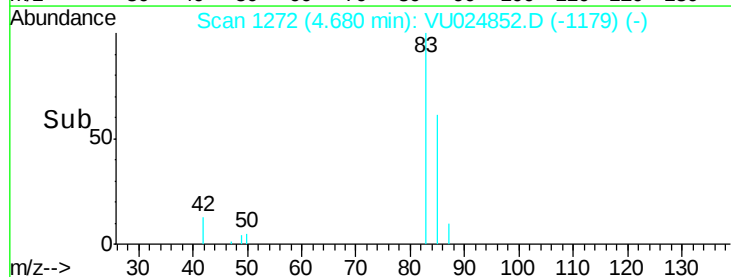
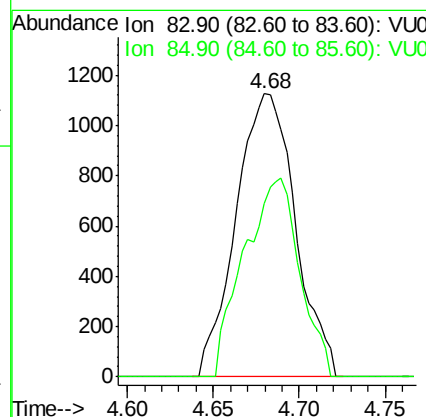
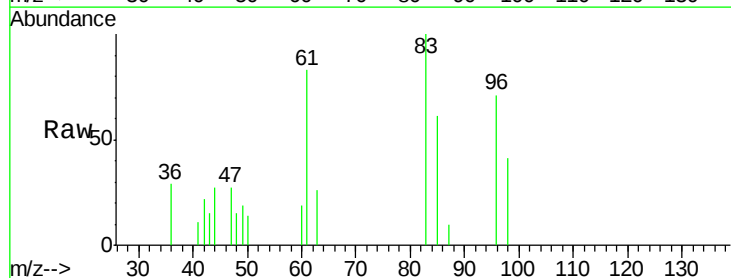
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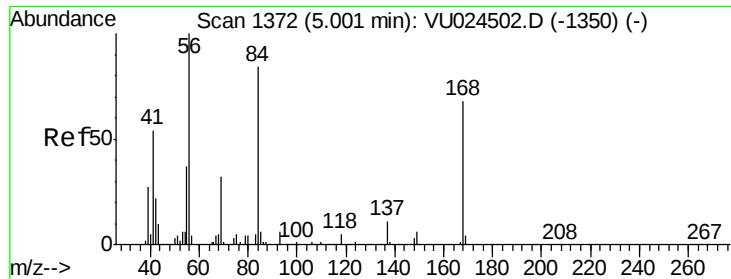
Tot Ion: 42 Resp: 1570
Ion Ratio Lower Upper
42 100
72 12.0 34.5 51.7#
71 0.0 32.2 48.4#



#30
Chloroform
Concen: 0.56 ug/l
RT: 4.68 min Scan# 1272
Delta R.T. -0.00 min
Lab File: VU024852.D
Acq: 22 Jun 2018 23:28

Tgt Ion: 83 Resp: 2703
Ion Ratio Lower Upper
83 100
85 61.4 52.4 78.6

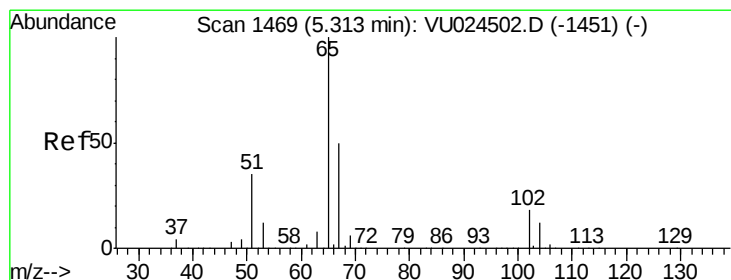
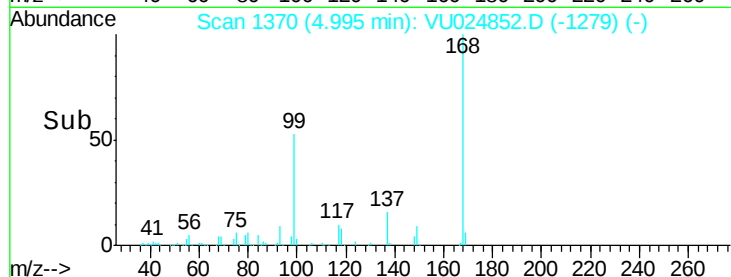
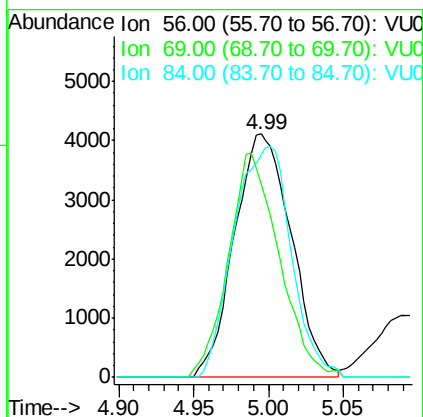
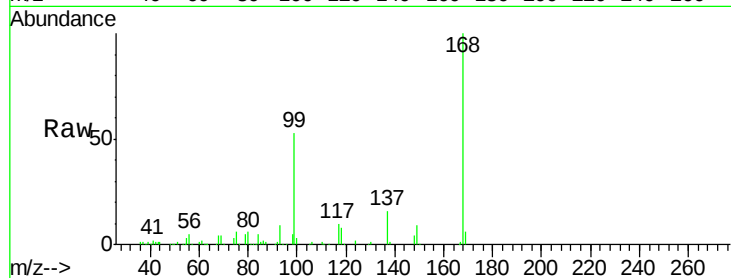




#31
Cyclohexane
Concen: 0.64 ug/l
RT: 4.99 min Scan# 1370
Delta R.T. -0.01 min
Lab File: VU024852.D
Acq: 22 Jun 2018 23:28

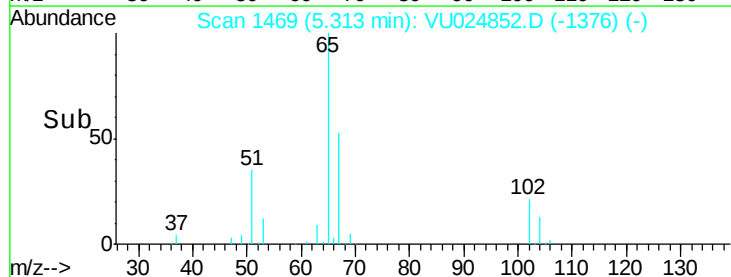
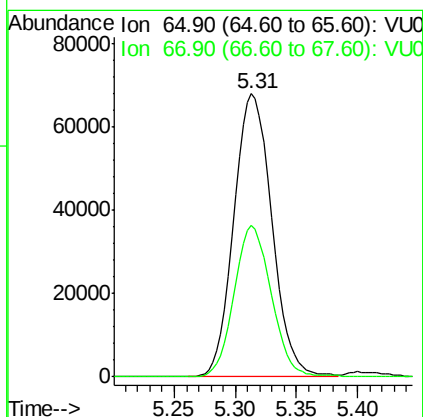
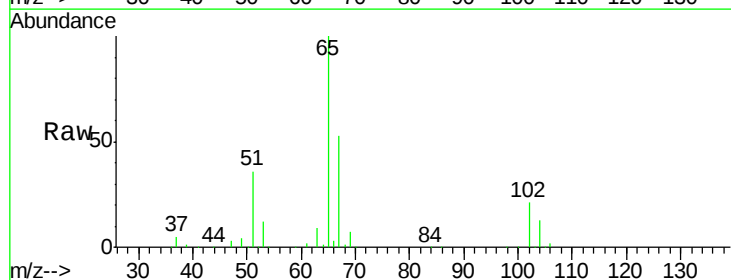
Instrument :
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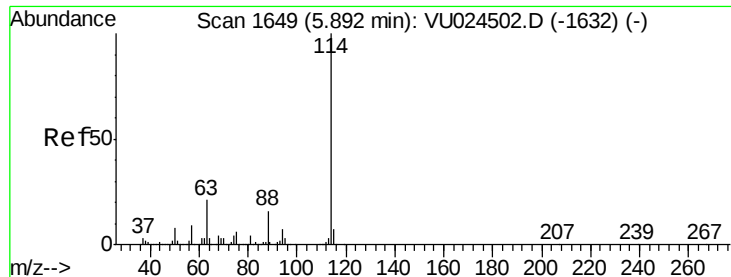
Tot Ion: 56 Resp: 10890
Ion Ratio Lower Upper
56 100
69 79.2 24.8 37.2#
84 91.5 65.2 97.8



#33
1,2-Dichloroethane-d4
Concen: 45.92 ug/l
RT: 5.31 min Scan# 1469
Delta R.T. -0.00 min
Lab File: VU024852.D
Acq: 22 Jun 2018 23:28

Tgt Ion: 65 Resp: 147110
Ion Ratio Lower Upper
65 100
67 52.0 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: VU024852.D

Acq: 22 Jun 2018 23:28

Instrument :

MSVOA_U

ClientSampleId :

WP021MW345-180618

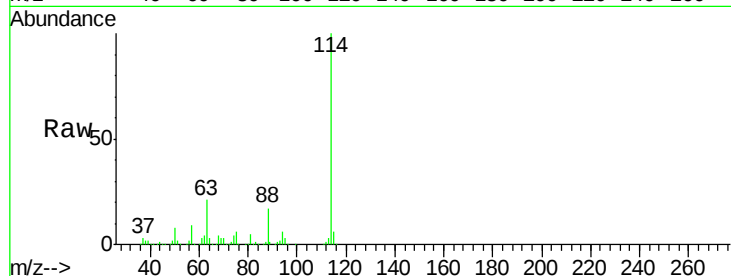
Tot Ion:114 Resp: 301315

Ion Ratio Lower Upper

114 100

63 21.3 0.0 45.4

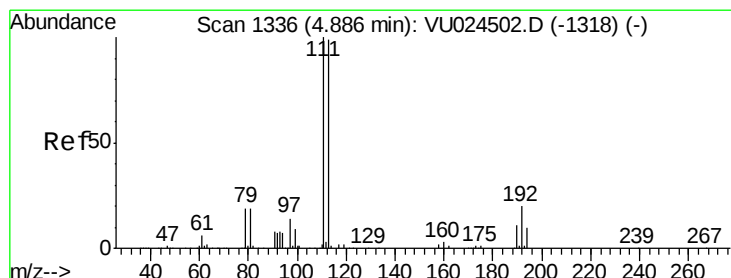
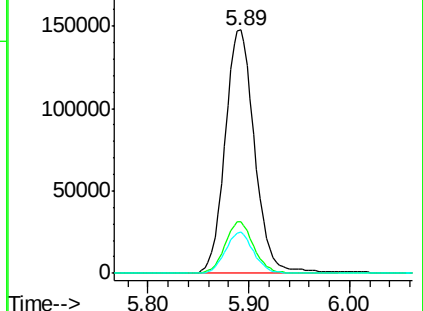
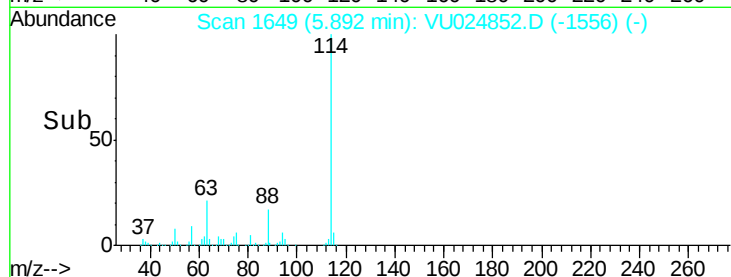
88 16.8 0.0 31.0



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: 45.27 ug/l

RT: 4.89 min Scan# 1337

Delta R.T. 0.00 min

Lab File: VU024852.D

Acq: 22 Jun 2018 23:28

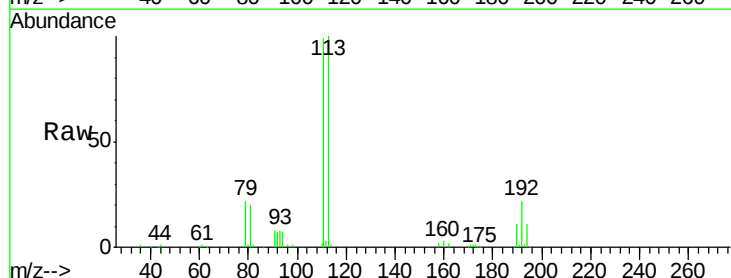
Tgt Ion:113 Resp: 113213

Ion Ratio Lower Upper

113 100

111 101.6 82.2 123.4

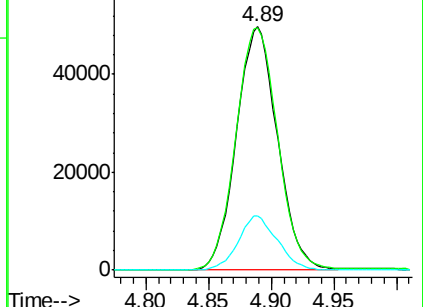
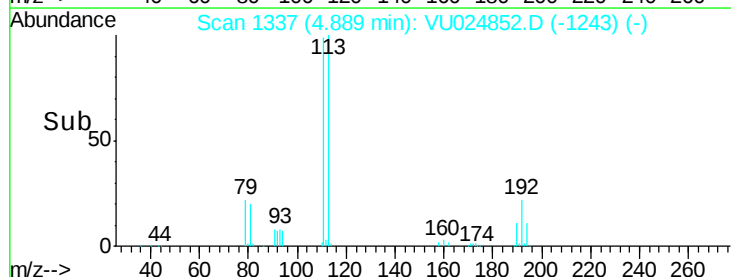
192 21.3 16.2 24.4

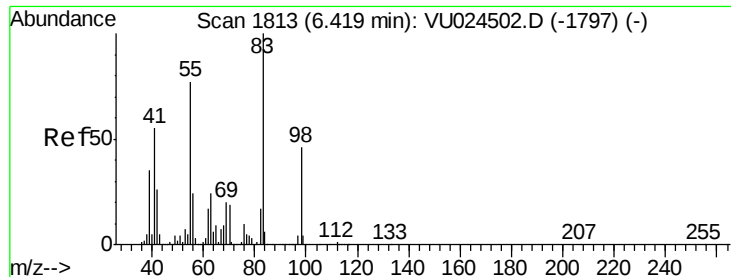


Abundance Ion 112.80 (112.50 to 113.50): V

Ion 110.80 (110.50 to 111.50): V

Ion 191.70 (191.40 to 192.40): V

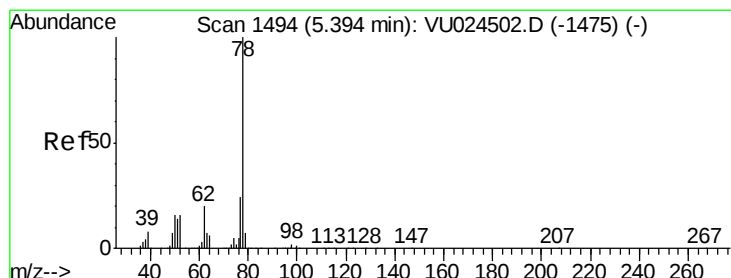
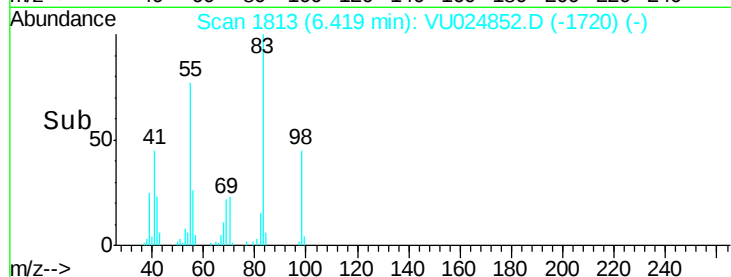
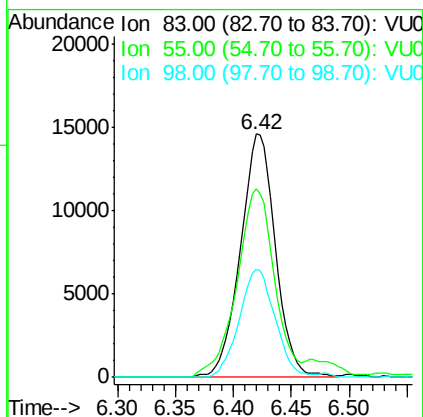
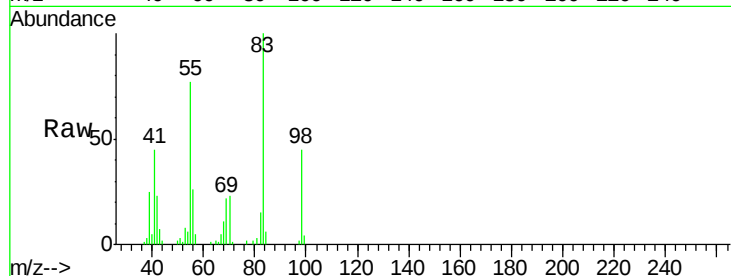




#39
Methvlcvclohexane
Concen: 6.93 ug/l
RT: 6.42 min Scan# 1813
Delta R.T. -0.00 min
Lab File: VU024852.D
Acq: 22 Jun 2018 23:28

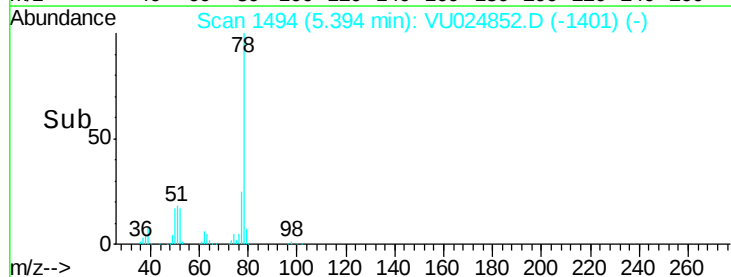
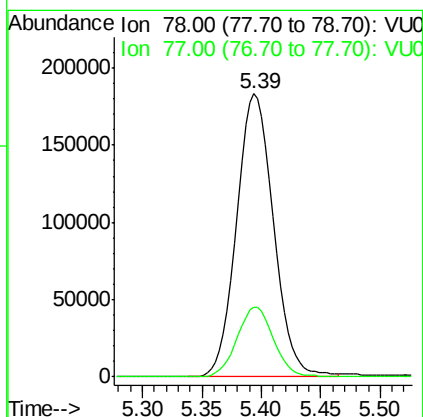
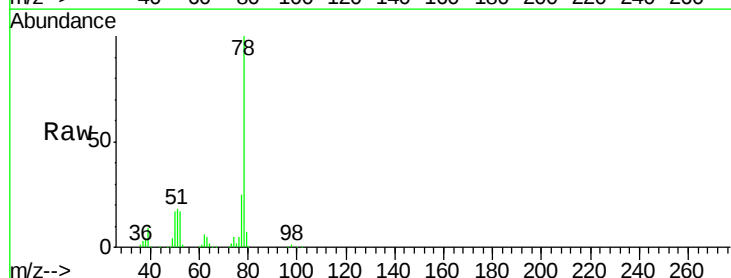
Instrument :
MSVOA_U
ClientSampleId :
WP021MW345-180618

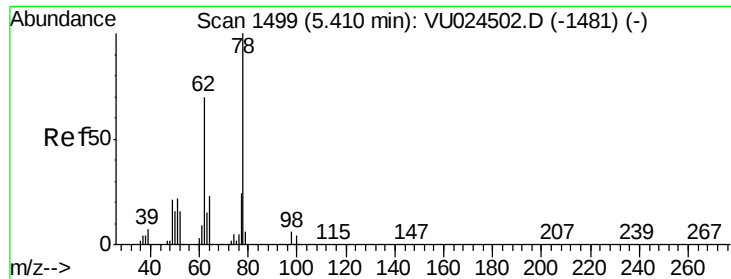
Tot Ion: 83 Resp: 30628
Ion Ratio Lower Upper
83 100
55 77.3 65.8 98.6
98 44.5 36.7 55.1



#40
Benzene
Concen: 39.18 ug/l
RT: 5.39 min Scan# 1494
Delta R.T. -0.00 min
Lab File: VU024852.D
Acq: 22 Jun 2018 23:28

Tgt Ion: 78 Resp: 395301
Ion Ratio Lower Upper
78 100
77 24.8 19.2 28.8





#42

1,2-Dichloroethane

Concen: 12.70 ug/l

RT: 5.41 min Scan# 1499

Delta R.T. -0.00 min

Lab File: VU024852.D

Acq: 22 Jun 2018 23:28

Instrument :

MSVOA_U

ClientSampleId :

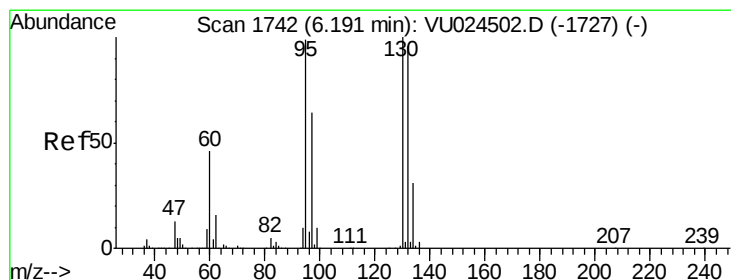
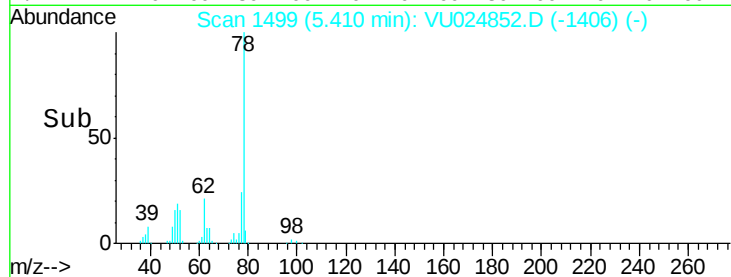
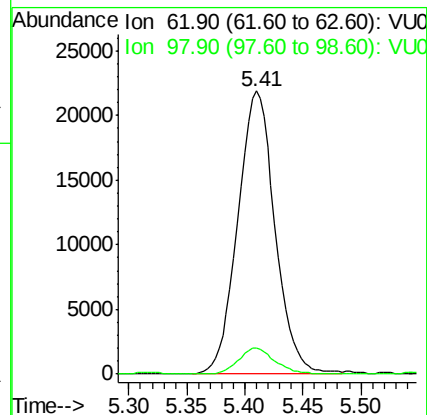
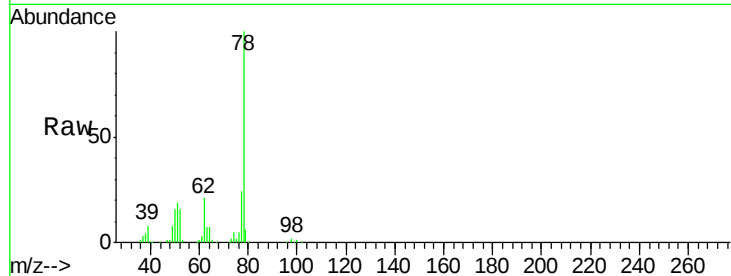
WP021MW345-180618

Tot Ion: 62 Resp: 48805

Ion Ratio Lower Upper

62 100

98 8.9 0.0 16.6



#44

Trichloroethene

Concen: 46.63 ug/l

RT: 6.19 min Scan# 1742

Delta R.T. -0.00 min

Lab File: VU024852.D

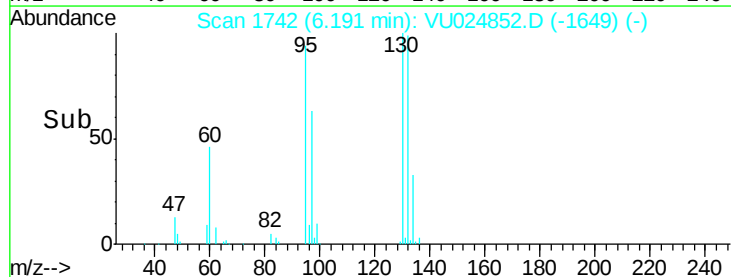
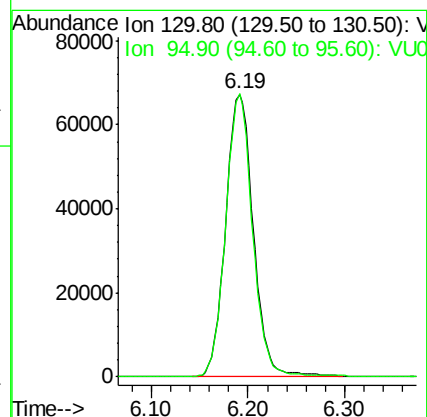
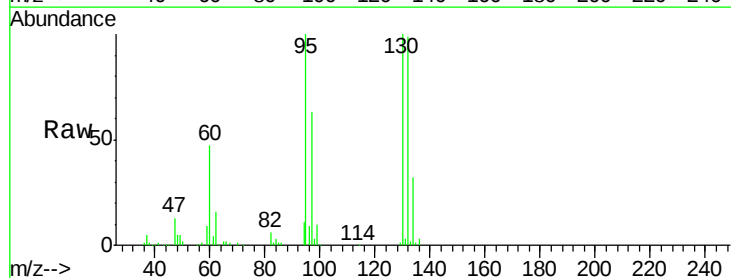
Acq: 22 Jun 2018 23:28

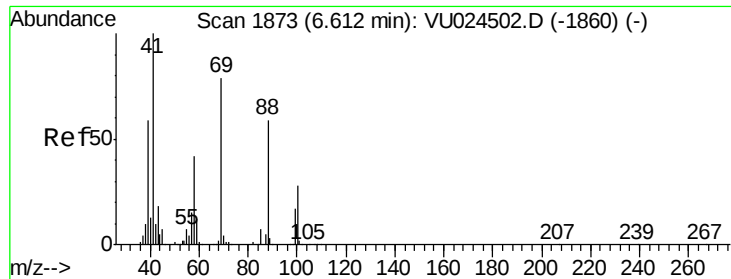
Tgt Ion:130 Resp: 133899

Ion Ratio Lower Upper

130 100

95 100.2 0.0 202.4





#49

1,4-Dioxane

Concen: 130.05 ug/l

RT: 6.62 min Scan# 1874

Delta R.T. 0.00 min

Lab File: VU024852.D

Acq: 22 Jun 2018 23:28

Instrument :

MSVOA_U

ClientSampleId :

WP021MW345-180618

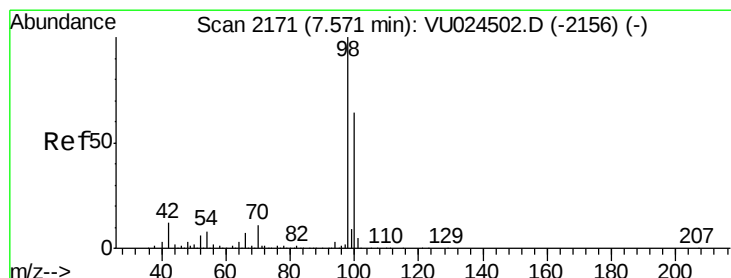
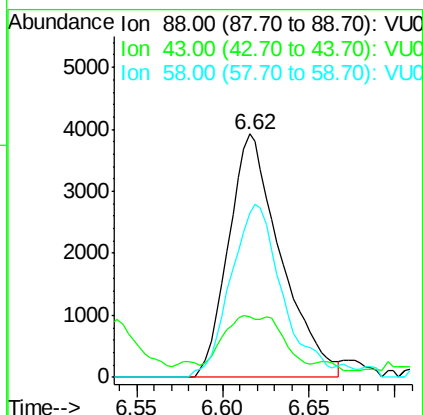
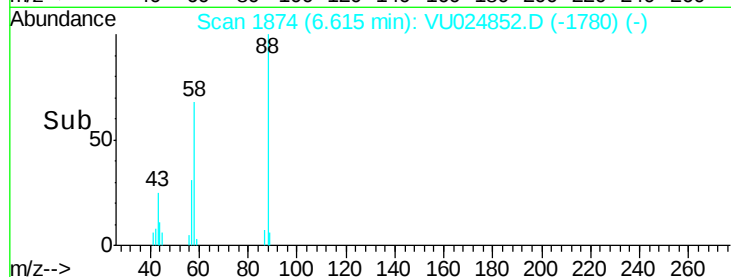
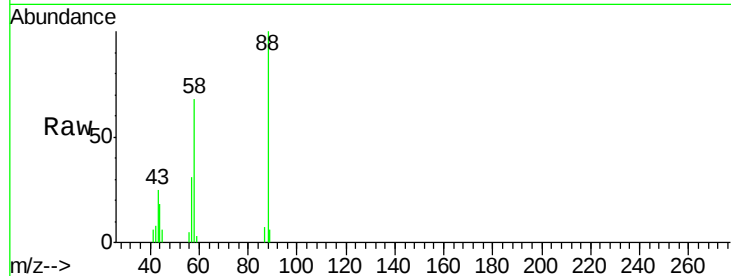
Tot Ion: 88 Resp: 8261

Ion Ratio Lower Upper

88 100

43 12.3 28.6 42.8#

58 69.9 58.2 87.4



#50

Toluene-d8

Concen: 48.49 ug/l

RT: 7.57 min Scan# 2171

Delta R.T. -0.00 min

Lab File: VU024852.D

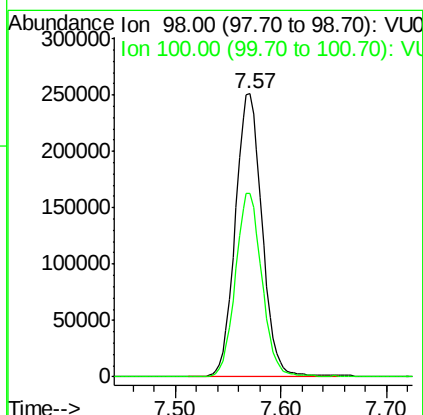
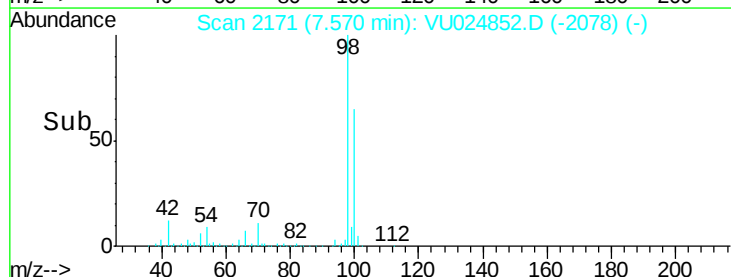
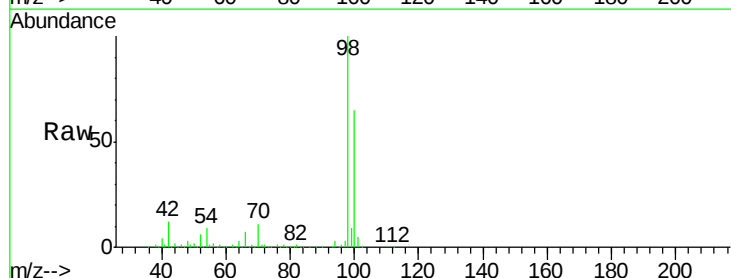
Acq: 22 Jun 2018 23:28

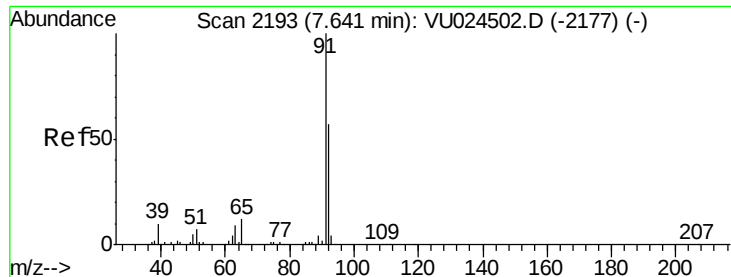
Tgt Ion: 98 Resp: 442307

Ion Ratio Lower Upper

98 100

100 64.0 51.1 76.7





#52

Toluene

Concen: 17.11 ug/l

RT: 7.64 min Scan# 2193

Delta R.T. -0.00 min

Lab File: VU024852.D

Acq: 22 Jun 2018 23:28

Instrument :

MSVOA_U

ClientSampleId :

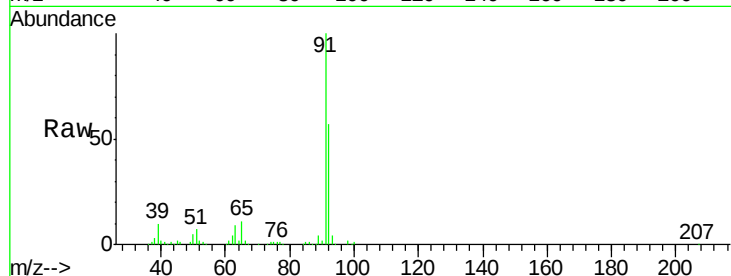
WP021MW345-180618

Tot Ion: 92 Resp: 111086

Ion Ratio Lower Upper

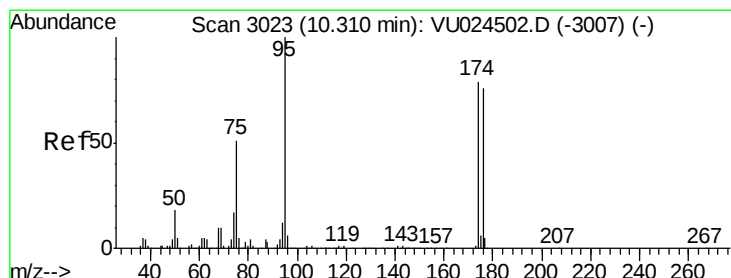
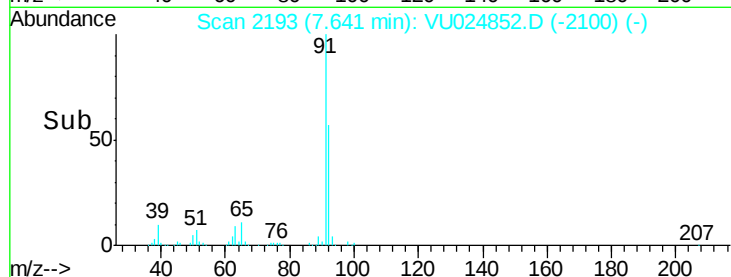
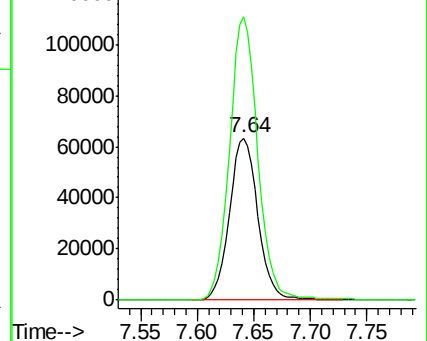
92 100

91 173.0 140.5 210.7



Abundance Ion 92.00 (91.70 to 92.70): VU0

Ion 91.00 (90.70 to 91.70): VU0



#62

4-Bromofluorobenzene

Concen: 47.27 ug/l

RT: 10.31 min Scan# 3023

Delta R.T. -0.00 min

Lab File: VU024852.D

Acq: 22 Jun 2018 23:28

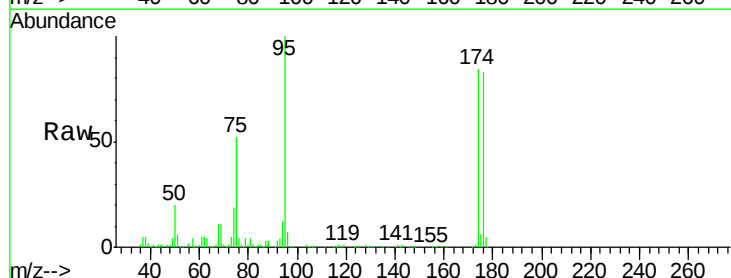
Tgt Ion: 95 Resp: 171181

Ion Ratio Lower Upper

95 100

174 85.2 0.0 165.8

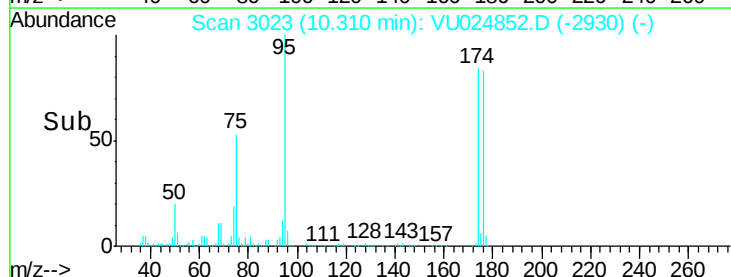
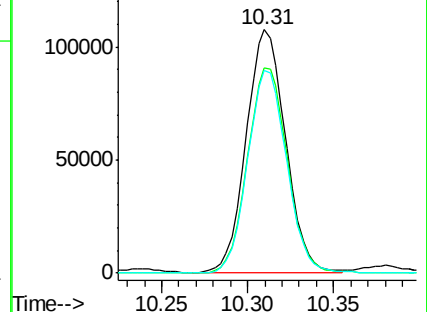
176 82.8 0.0 159.4

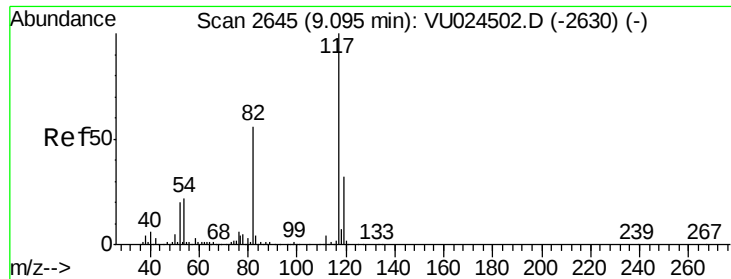


Abundance Ion 94.90 (94.60 to 95.60): VU0

Ion 173.80 (173.50 to 174.50): V

Ion 175.80 (175.50 to 176.50): V

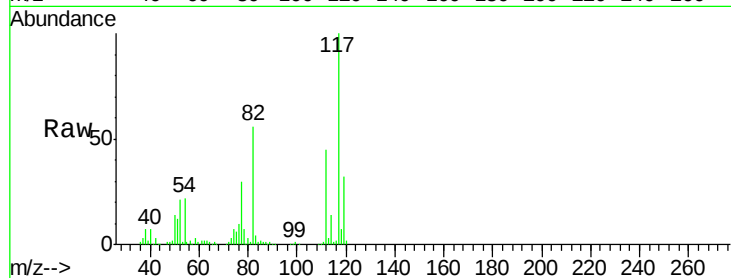




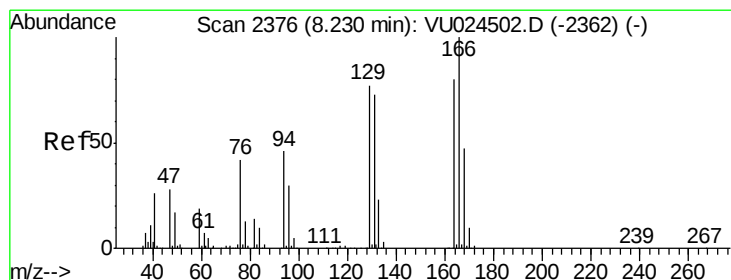
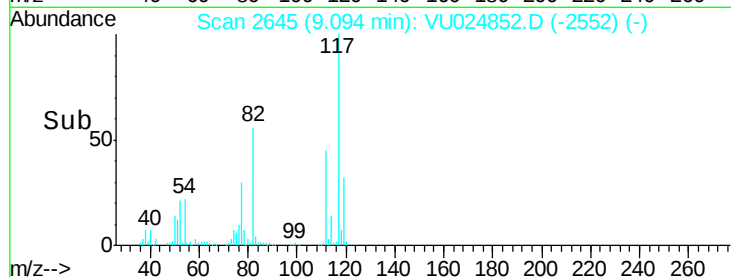
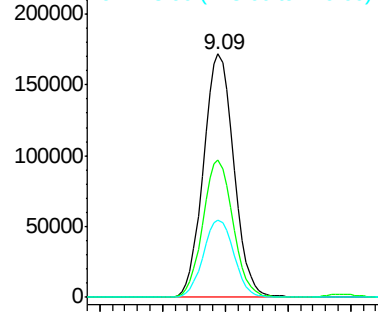
#63
Chlorobenzene-d5
Concen: 50.00 ug/l
RT: 9.09 min Scan# 2645
Delta R.T. -0.00 min
Lab File: VU024852.D
Acq: 22 Jun 2018 23:28

Instrument :
MSVOA_U
ClientSampleId :
WP021MW345-180618

Tot Ion	Ratio	Lower	Upper
117	100		
82	56.4	44.3	66.5
119	31.9	25.4	38.2

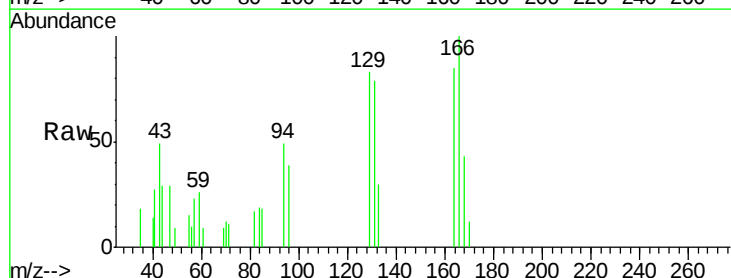


Abundance Ion 116.90 (116.60 to 117.60): V
Ion 82.00 (81.70 to 82.70): V
Ion 118.90 (118.60 to 119.60): V

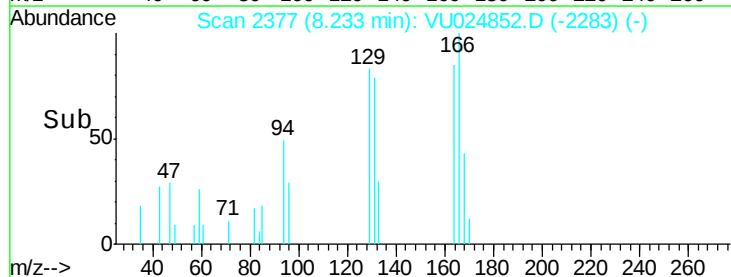
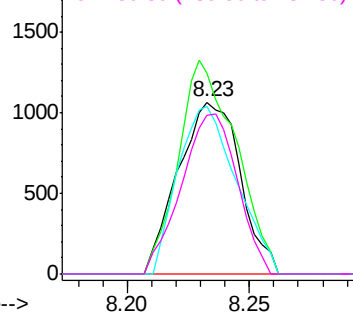


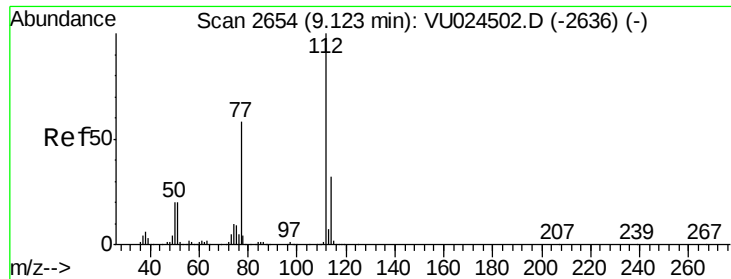
#64
Tetrachloroethene
Concen: 0.68 ug/l
RT: 8.23 min Scan# 2377
Delta R.T. 0.00 min
Lab File: VU024852.D
Acq: 22 Jun 2018 23:28

Tgt Ion	Ratio	Lower	Upper
164	100		
166	117.4	101.7	152.5
129	97.5	76.9	115.3
131	92.8	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

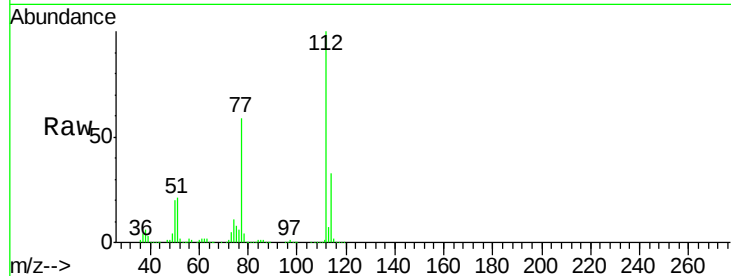




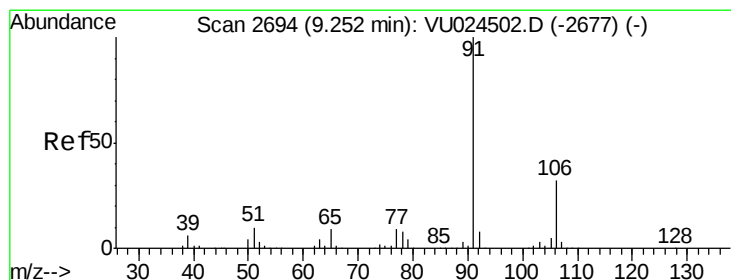
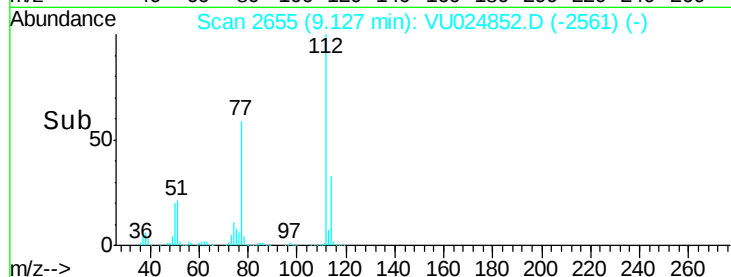
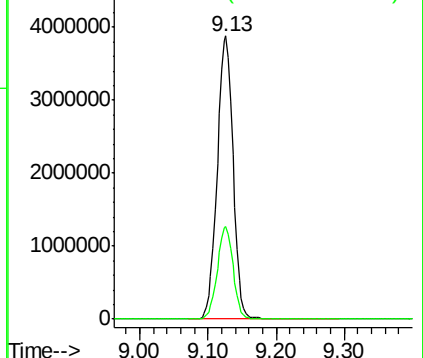
#65
Chlorobenzene
Concen: 846.07 ug/l
RT: 9.13 min Scan# 2655
Delta R.T. 0.00 min
Lab File: VU024852.D
Acq: 22 Jun 2018 23:28

Instrument :
MSVOA_U
ClientSampleId :
WP021MW345-180618

Tot Ion:112 Resp: 6255062
Ion Ratio Lower Upper
112 100
114 32.7 25.6 38.4

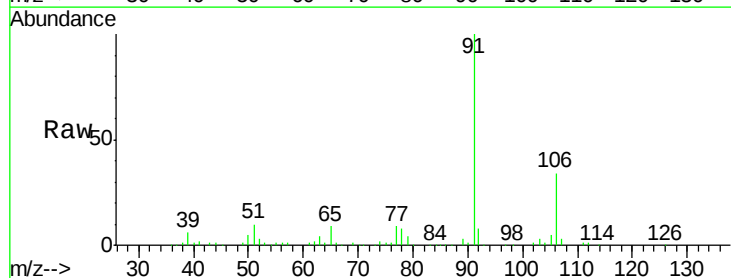


Abundance Ion 111.90 (111.60 to 112.60): V
Ion 113.90 (113.60 to 114.60): V

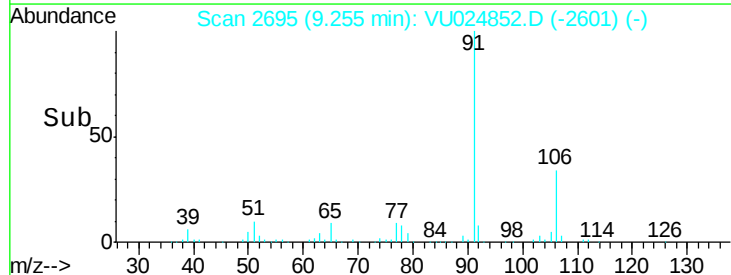
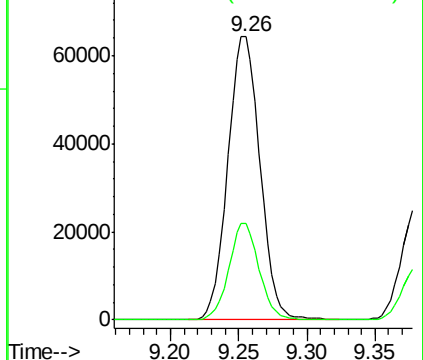


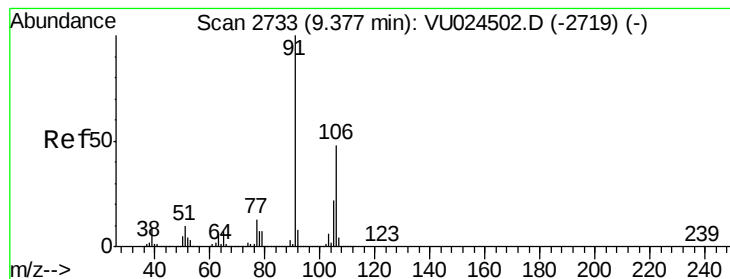
#67
Ethyl Benzene
Concen: 8.13 ug/l
RT: 9.26 min Scan# 2695
Delta R.T. 0.00 min
Lab File: VU024852.D
Acq: 22 Jun 2018 23:28

Tgt Ion: 91 Resp: 105392
Ion Ratio Lower Upper
91 100
106 33.9 24.2 36.4



Abundance Ion 91.00 (90.70 to 91.70): VU0
Ion 106.00 (105.70 to 106.70): V





#68

m/p-Xylenes

Concen: 3.95 ug/l

RT: 9.38 min Scan# 2734

Delta R.T. 0.00 min

Lab File: VU024852.D

Acq: 22 Jun 2018 23:28

Instrument :

MSVOA_U

ClientSampleId :

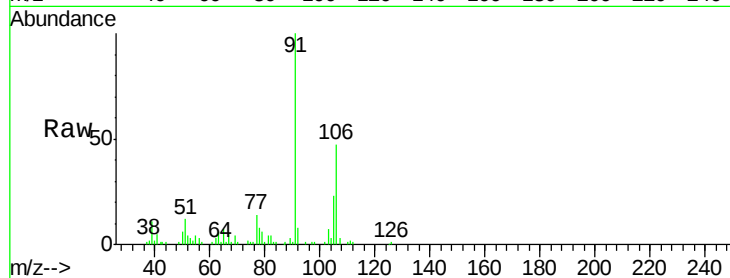
WP021MW345-180618

Tot Ion:106 Resp: 19661

Ion Ratio Lower Upper

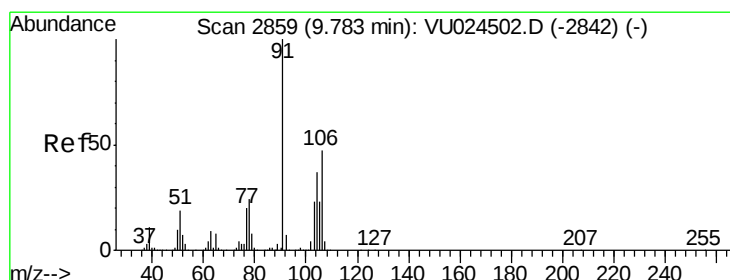
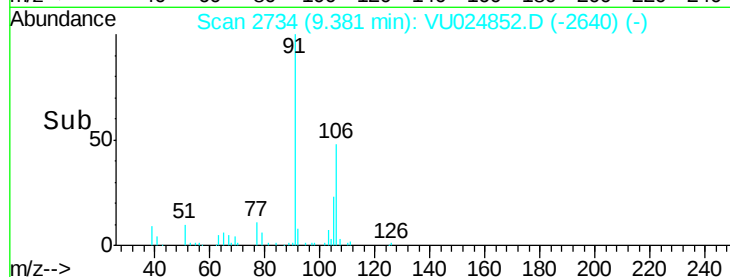
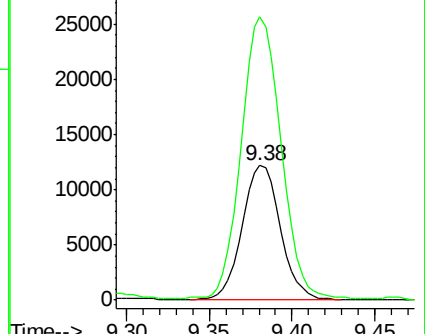
106 100

91 214.3 166.5 249.7



Abundance Ion 106.00 (105.70 to 106.70): V

Ion 91.00 (90.70 to 91.70): VU0



#69

o-Xylene

Concen: 13.17 ug/l

RT: 9.78 min Scan# 2859

Delta R.T. -0.00 min

Lab File: VU024852.D

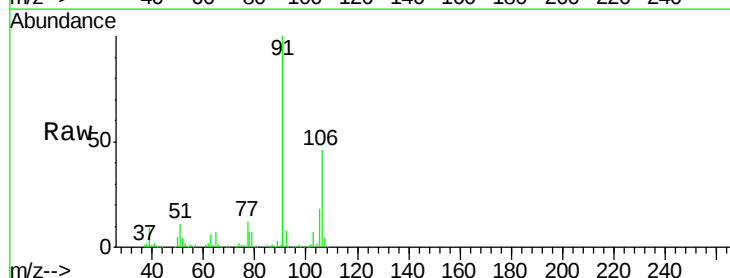
Acq: 22 Jun 2018 23:28

Tgt Ion:106 Resp: 64854

Ion Ratio Lower Upper

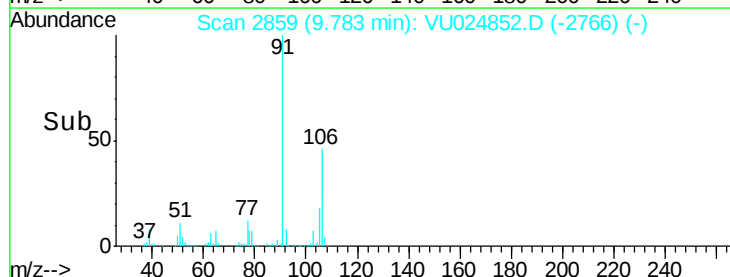
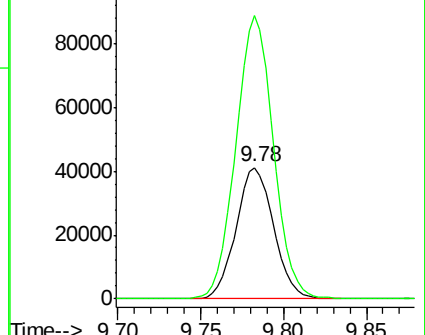
106 100

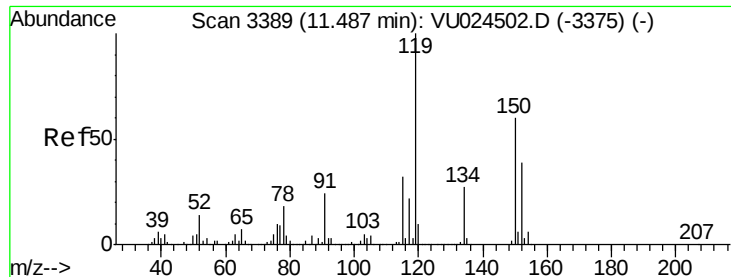
91 215.7 110.7 331.9



Abundance Ion 106.00 (105.70 to 106.70): V

Ion 91.00 (90.70 to 91.70): VU0





#72

1,4-Dichlorobenzene-d4

Concen: 50.00 ug/l

RT: 11.49 min Scan# 3389

Delta R.T. -0.00 min

Lab File: VU024852.D

Acq: 22 Jun 2018 23:28

Instrument :

MSVOA_U

ClientSampleId :

WP021MW345-180618

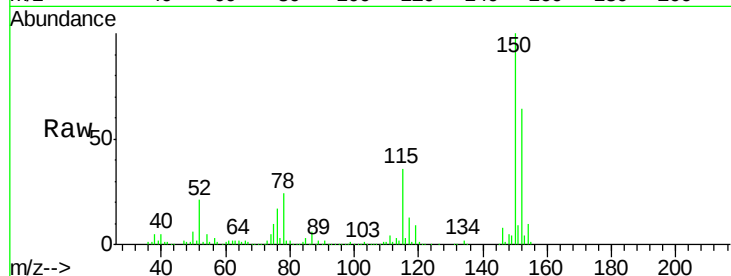
Tot Ion:152 Resp: 170696

Ion Ratio Lower Upper

152 100

115 57.7 43.0 129.0

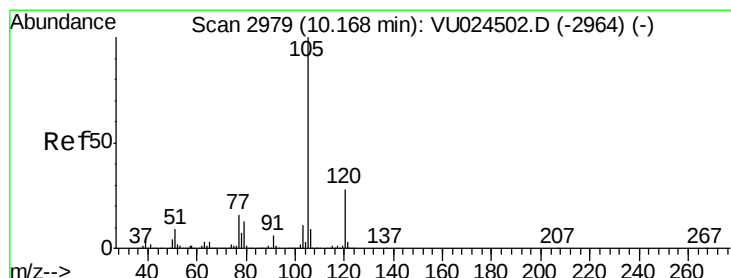
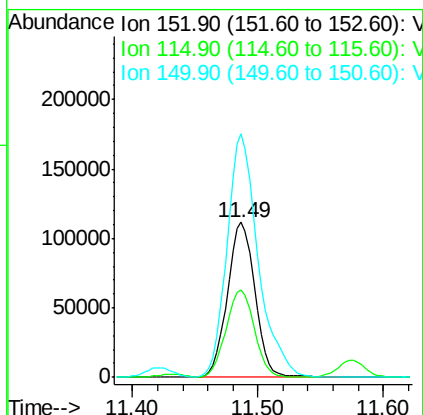
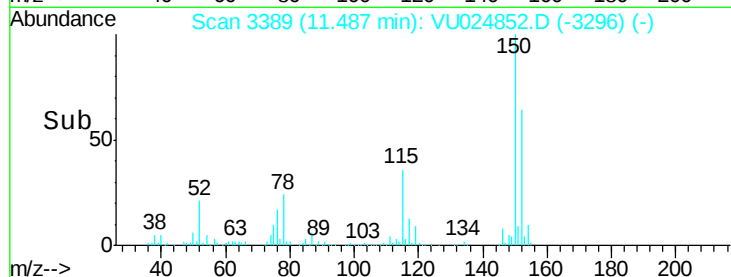
150 176.4 0.0 354.0



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



#73

Isopropylbenzene

Concen: 4.12 ug/l

RT: 10.17 min Scan# 2980

Delta R.T. 0.00 min

Lab File: VU024852.D

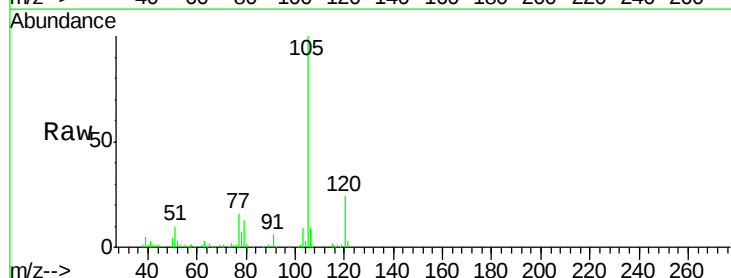
Acq: 22 Jun 2018 23:28

Tgt Ion:105 Resp: 54051

Ion Ratio Lower Upper

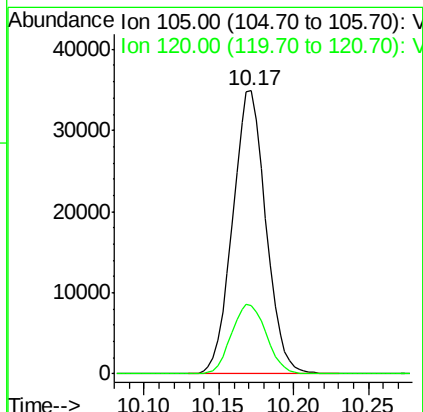
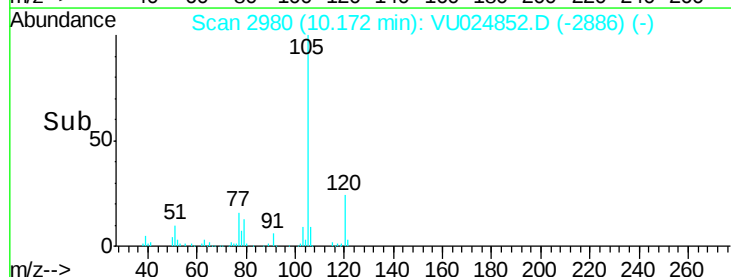
105 100

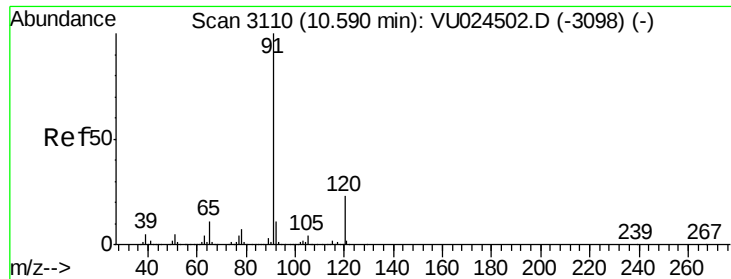
120 25.7 13.2 39.6



Abundance Ion 105.00 (104.70 to 105.70): V

Ion 120.00 (119.70 to 120.70): V





#78

n-propylbenzene

Concen: 4.31 ug/l

RT: 10.59 min Scan# 3110

Delta R.T. -0.00 min

Lab File: VU024852.D

Acq: 22 Jun 2018 23:28

Instrument :

MSVOA_U

ClientSampleId :

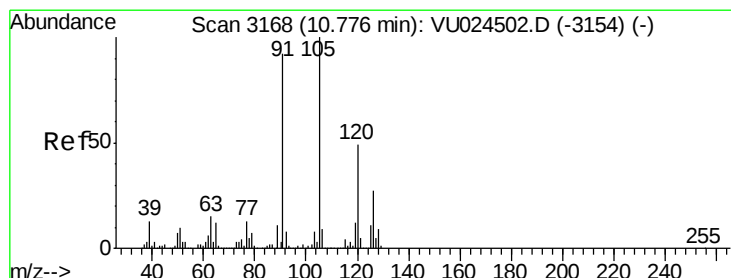
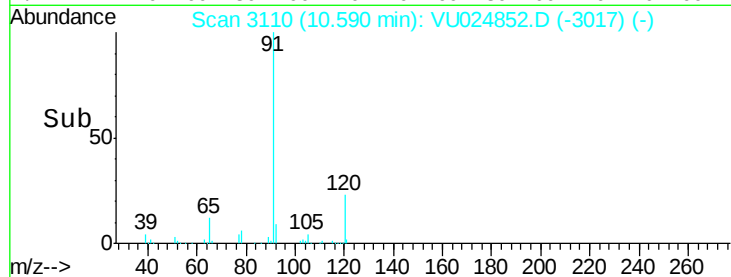
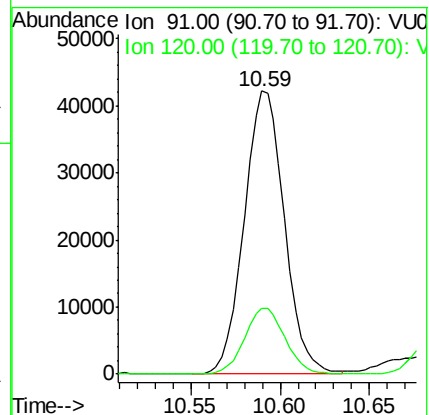
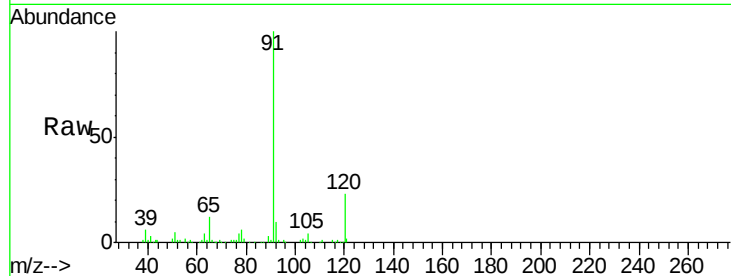
WP021MW345-180618

Tot Ion: 91 Resp: 66462

Ion Ratio Lower Upper

91 100

120 23.4 11.2 33.5



#80

1,3,5-Trimethylbenzene

Concen: 4.97 ug/l

RT: 10.78 min Scan# 3168

Delta R.T. -0.00 min

Lab File: VU024852.D

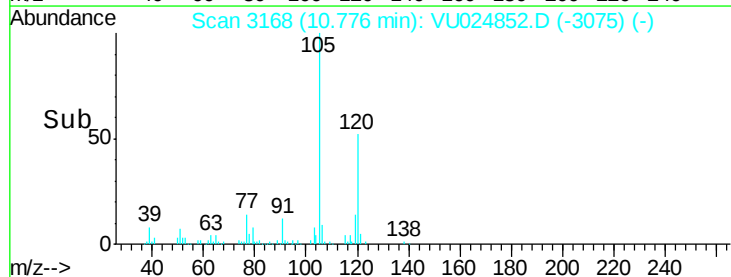
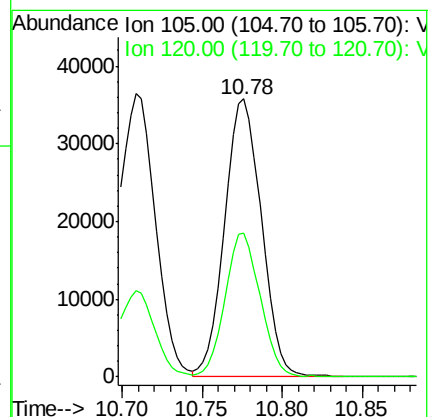
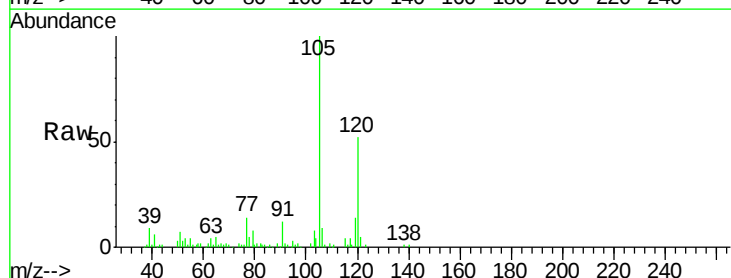
Acq: 22 Jun 2018 23:28

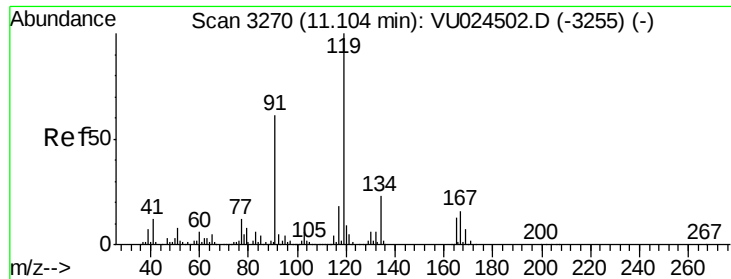
Tgt Ion: 105 Resp: 56401

Ion Ratio Lower Upper

105 100

120 49.5 24.1 72.2





#83

tert-Butylbenzene

Concen: 6.75 ug/l

RT: 11.10 min Scan# 3270

Delta R.T. -0.00 min

Lab File: VU024852.D

Acq: 22 Jun 2018 23:28

Instrument :

MSVOA_U

ClientSampleId :

WP021MW345-180618

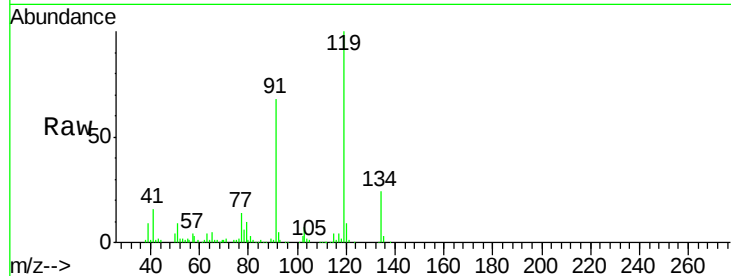
Tot Ion:119 Resp: 73781

Ion Ratio Lower Upper

119 100

91 69.7 29.7 89.1

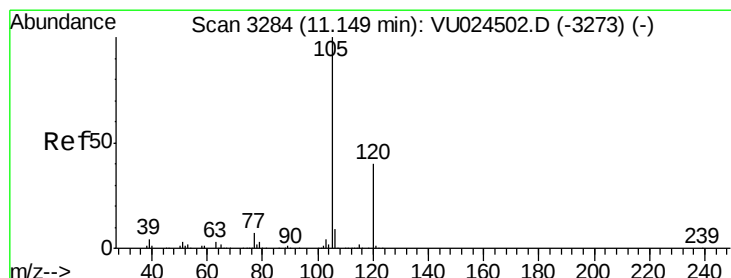
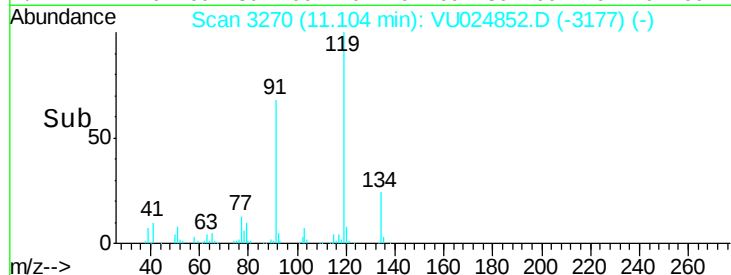
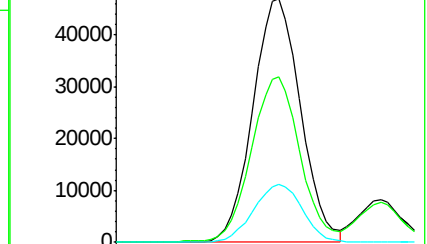
134 24.3 11.6 34.7



Abundance Ion 119.00 (118.70 to 119.70): V

Ion 91.00 (90.70 to 91.70): V

Ion 134.00 (133.70 to 134.70): V



#84

1,2,4-Trimethylbenzene

Concen: 8.85 ug/l

RT: 11.15 min Scan# 3285

Delta R.T. 0.00 min

Lab File: VU024852.D

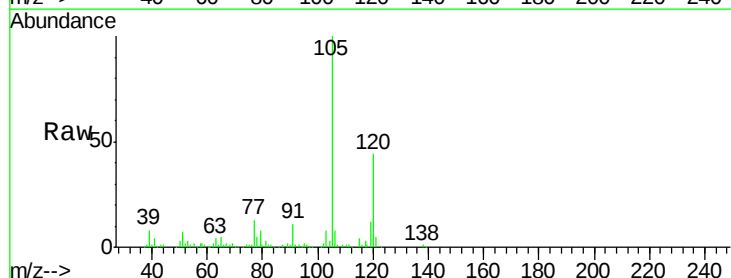
Acq: 22 Jun 2018 23:28

Tgt Ion:105 Resp: 102400

Ion Ratio Lower Upper

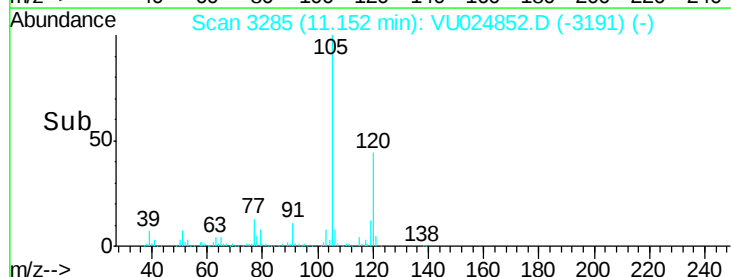
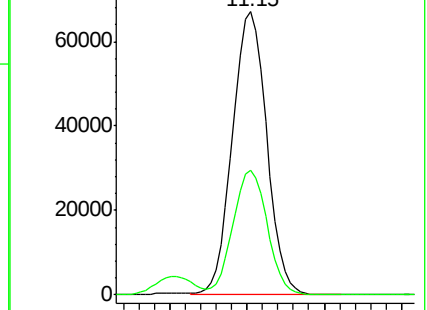
105 100

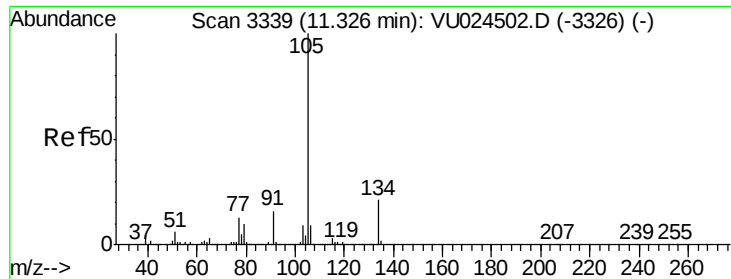
120 44.4 22.6 67.8



Abundance Ion 105.00 (104.70 to 105.70): V

Ion 120.00 (119.70 to 120.70): V





#85

sec-Butylbenzene

Concen: 6.16 ug/l

RT: 11.33 min Scan# 3339

Delta R.T. -0.00 min

Lab File: VU024852.D

Acq: 22 Jun 2018 23:28

Instrument :

MSVOA_U

ClientSampleId :

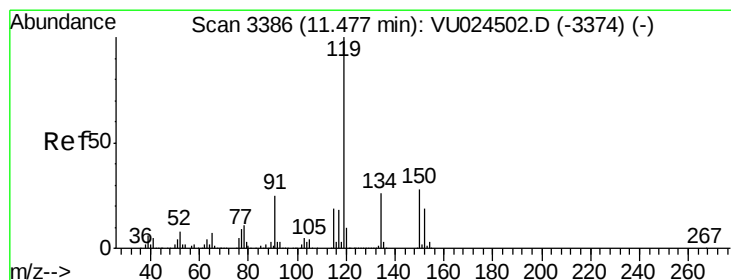
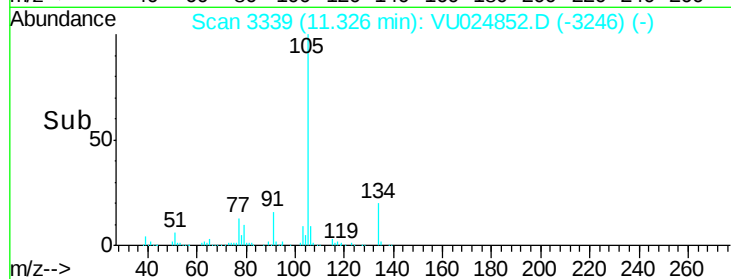
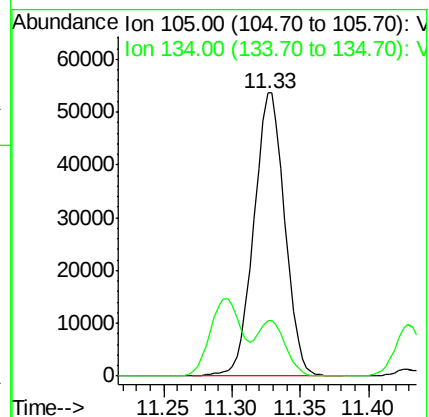
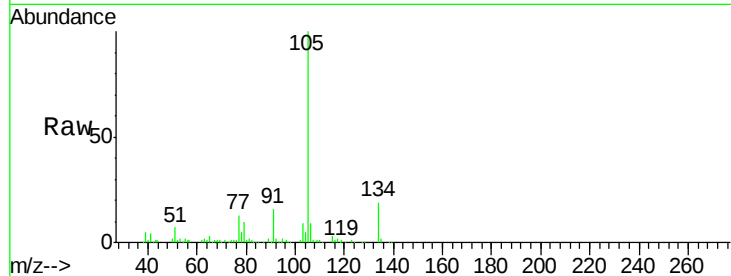
WP021MW345-180618

Tot Ion:105 Resp: 84203

Ion Ratio Lower Upper

105 100

134 18.1 9.7 29.1



#86

p-Isopropyltoluene

Concen: 2.66 ug/l

RT: 11.48 min Scan# 3387

Delta R.T. 0.00 min

Lab File: VU024852.D

Acq: 22 Jun 2018 23:28

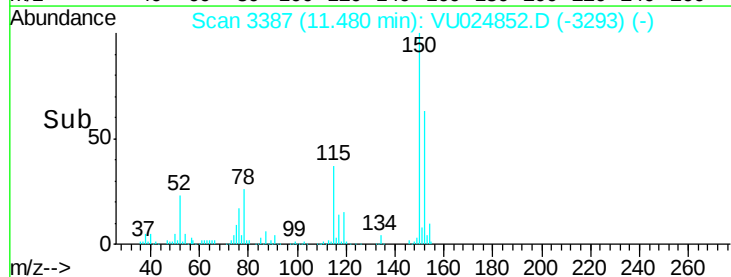
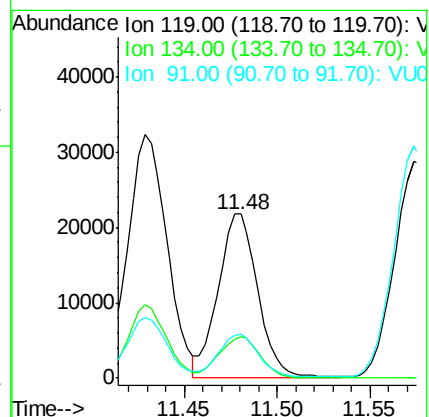
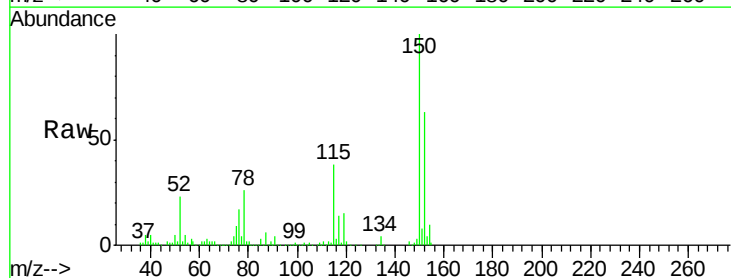
Tgt Ion:119 Resp: 32555

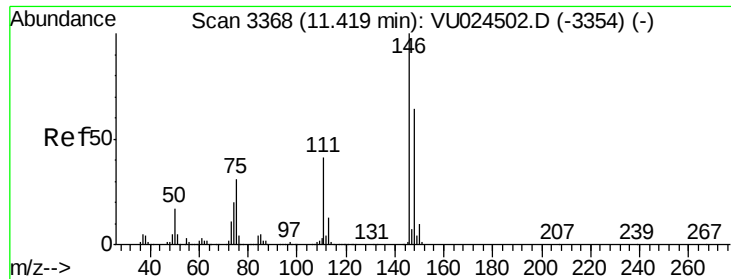
Ion Ratio Lower Upper

119 100

134 25.8 12.9 38.6

91 26.3 12.0 36.1

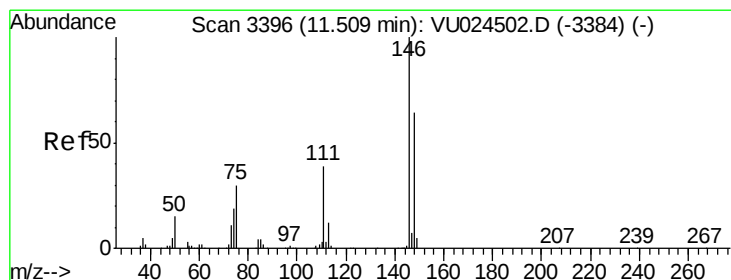
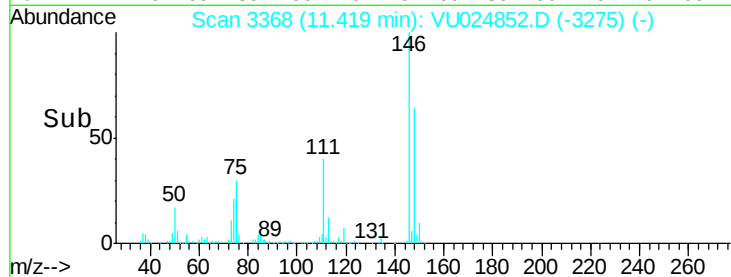
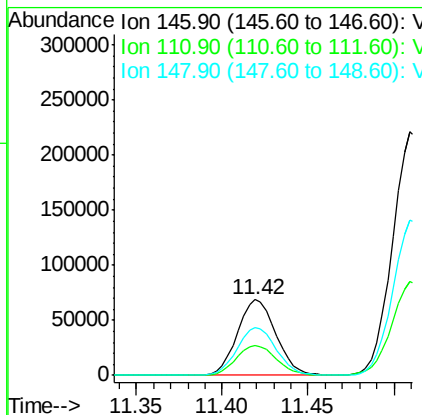
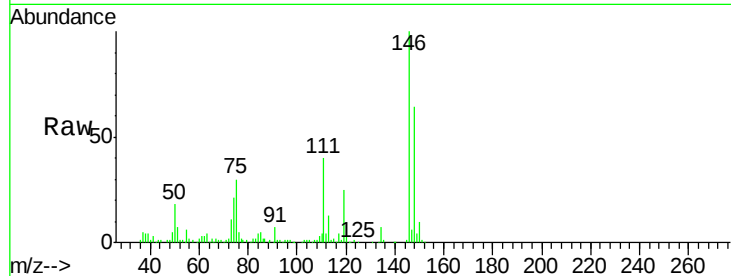




#87
 1,3-Dichlorobenzene
 Concen: 17.44 ug/l
 RT: 11.42 min Scan# 3368
 Delta R.T. -0.00 min
 Lab File: VU024852.D
 Acq: 22 Jun 2018 23:28

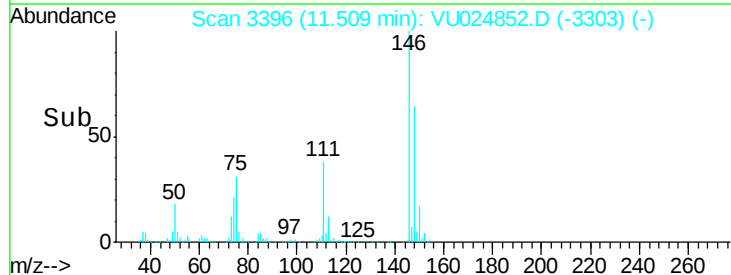
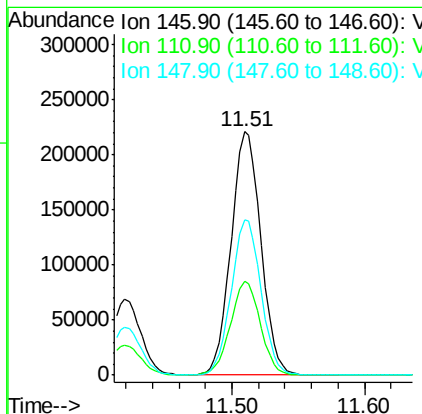
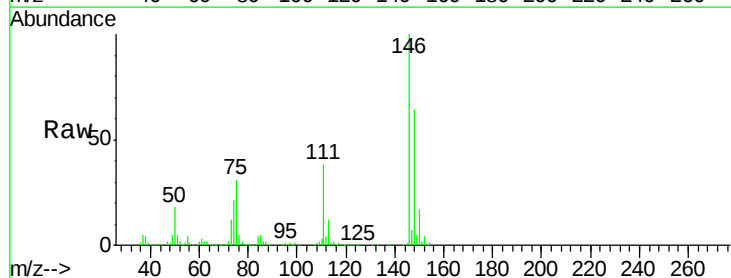
Instrument :
 MSVOA_U
 ClientSampleId :
 WP021MW345-180618

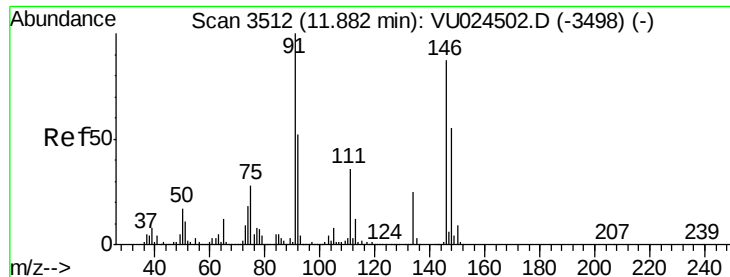
Tot Ion	Ratio	Lower	Upper
146	100		
111	40.5	20.0	60.0
148	64.6	32.1	96.5



#88
 1,4-Dichlorobenzene
 Concen: 55.79 ug/l
 RT: 11.51 min Scan# 3396
 Delta R.T. -0.00 min
 Lab File: VU024852.D
 Acq: 22 Jun 2018 23:28

Tgt Ion	Ratio	Lower	Upper
146	100		
111	38.4	19.5	58.5
148	63.6	32.4	97.0





#91

1,2-Dichlorobenzene

Concen: 246.02 ug/l

RT: 11.88 min Scan# 3512

Delta R.T. -0.00 min

Lab File: VU024852.D

Acq: 22 Jun 2018 23:28

Instrument :

MSVOA_U

ClientSampleId :

WP021MW345-180618

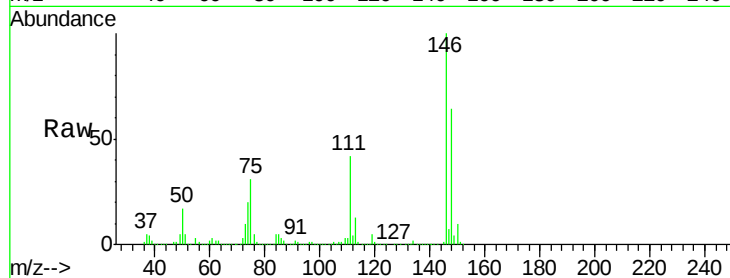
Tot Ion:146 Resp: 1510473

Ion Ratio Lower Upper

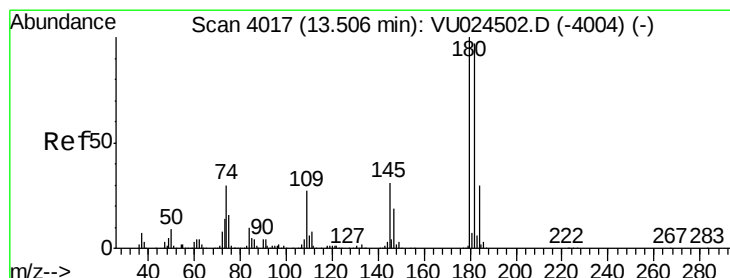
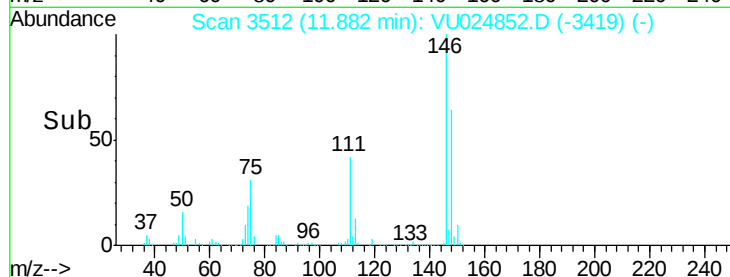
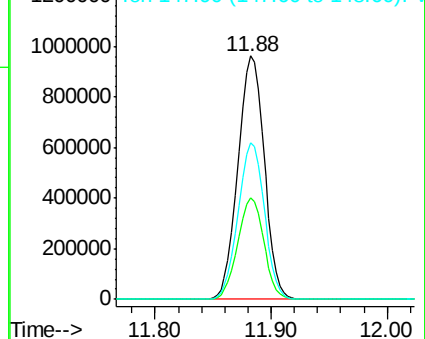
146 100

111 41.3 20.5 61.6

148 64.1 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



#93

1,2,4-Trichlorobenzene

Concen: 1.25 ug/l

RT: 13.51 min Scan# 4018

Delta R.T. 0.00 min

Lab File: VU024852.D

Acq: 22 Jun 2018 23:28

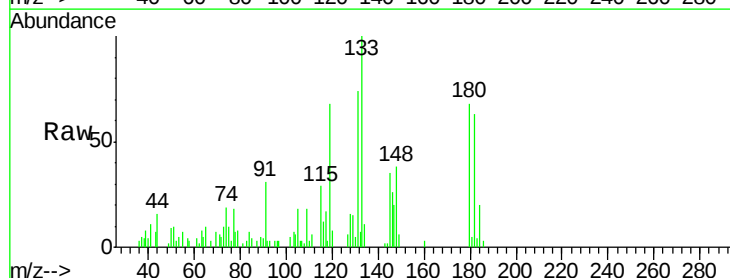
Tgt Ion:180 Resp: 4724

Ion Ratio Lower Upper

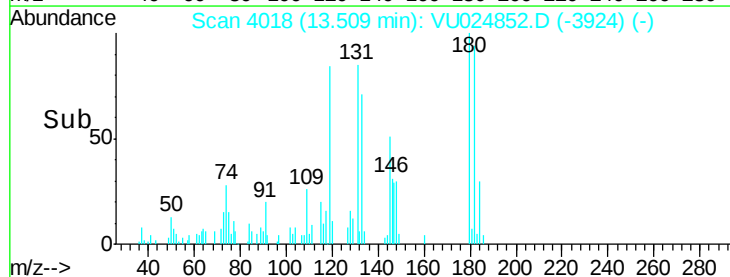
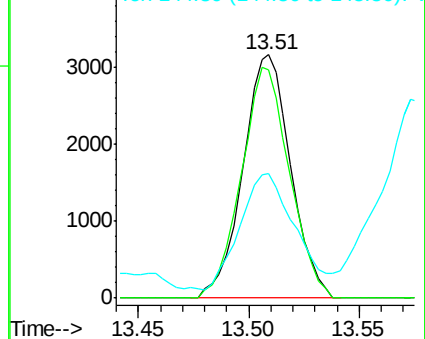
180 100

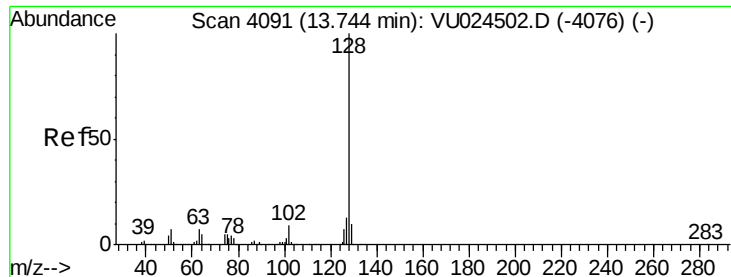
182 95.8 48.0 144.2

145 55.7 14.7 44.1#



Abundance Ion 179.80 (179.50 to 180.50): V
Ion 181.80 (181.50 to 182.50): V
Ion 144.80 (144.50 to 145.50): V





#95

Naphthalene

Concen: 1.79 ug/l

RT: 13.75 min Scan# 4092

Delta R.T. 0.00 min

Lab File: VU024852.D

Acq: 22 Jun 2018 23:28

Instrument :

MSVOA_U

ClientSampleId :

WP021MW345-180618

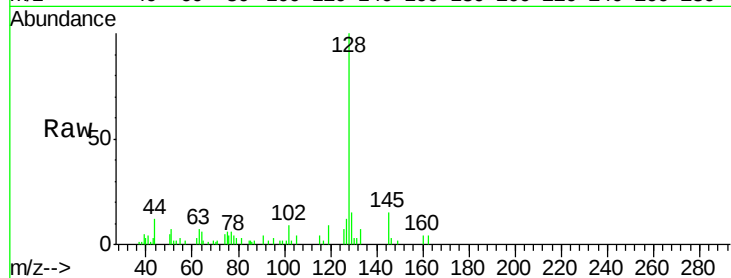
Tot Ion:128 Resp: 14115

Ion Ratio Lower Upper

128 100

127 14.7 10.6 16.0

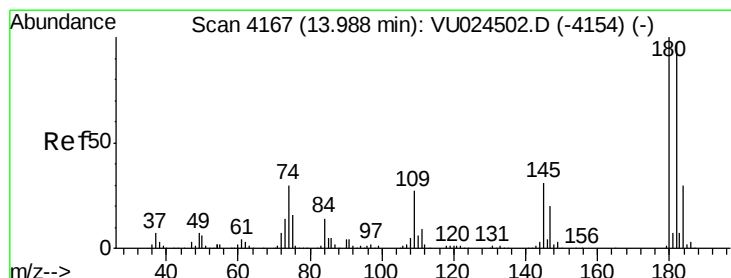
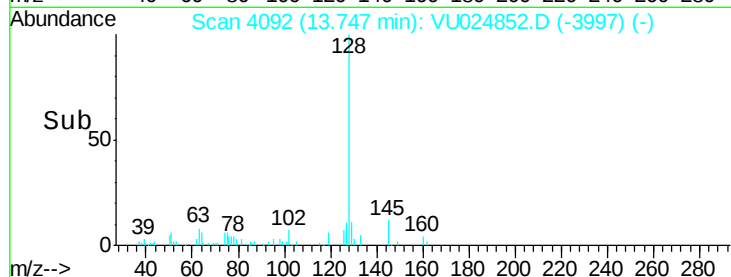
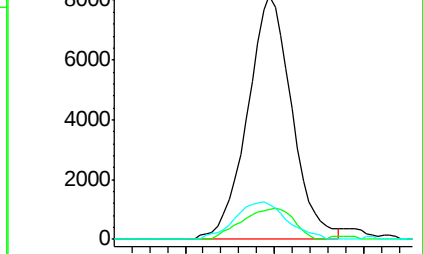
129 18.0 8.6 12.8#



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



#96

1,2,3-Trichlorobenzene

Concen: 0.58 ug/l

RT: 13.99 min Scan# 4168

Delta R.T. 0.00 min

Lab File: VU024852.D

Acq: 22 Jun 2018 23:28

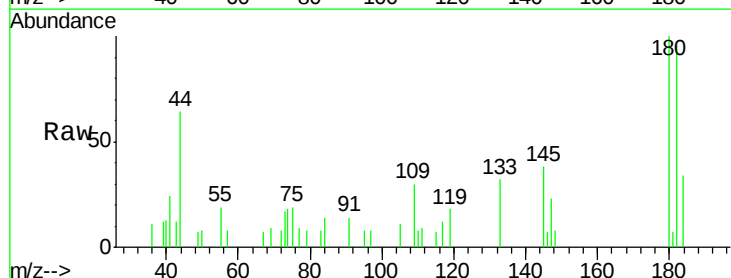
Tgt Ion:180 Resp: 2185

Ion Ratio Lower Upper

180 100

182 97.9 47.9 143.7

145 14.2 15.4 46.1#



Abundance Ion 179.80 (179.50 to 180.50): V

Ion 181.80 (181.50 to 182.50): V

Ion 144.90 (144.60 to 145.60): V

