

Data Path : Z:\VOASRV\HPCHEM1\MSVOA_U\DATA\VU063018\
 Data File : VU025099.D
 Acq On : 30 Jun 2018 19:37
 Operator : MD/SY
 Sample : J3759-12
 Misc : 5.0mL/MSVOA_U/WATER
 ALS Vial : 22 Sample Multiplier: 1

Instrument :
 MSVOA_U
 ClientSampleId :
 WP021RW350-180625

Quant Time: Jul 02 05:40:31 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	208968	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	5.89	114	309053	50.00	ug/l	0.00
63) Chlorobenzene-d5	9.09	117	292474	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	11.49	152	160677	50.00	ug/l	0.00

System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	5.31	65	160152	46.95	ug/l	0.00
Spiked Amount	50.000		Recovery	=	93.90%	
35) Dibromofluoromethane	4.89	113	122847	47.90	ug/l	0.00
Spiked Amount	50.000		Recovery	=	95.80%	
50) Toluene-d8	7.57	98	451778	48.29	ug/l	0.00
Spiked Amount	50.000		Recovery	=	96.58%	
62) 4-Bromofluorobenzene	10.31	95	171088	46.06	ug/l	0.00
Spiked Amount	50.000		Recovery	=	92.12%	

Target Compounds						Qvalue
3) Chloromethane	1.33	50	975	0.365	ug/l #	88
4) Vinyl Chloride	1.40	62	1638736	594.640	ug/l	98
5) Bromomethane	1.64	94	331	0.248	ug/l #	70
6) Chloroethane	1.70	64	143268	93.962	ug/l	100
11) Tert butyl alcohol	2.82	59	29604	35.681	ug/l	98
12) 1,1-Dichloroethene	2.29	96	4816	2.024	ug/l	92
13) Acrolein	2.20	56	107	0.246	ug/l #	1
16) Acetone	2.32	43	4257	2.322	ug/l	91
17) Carbon Disulfide	2.49	76	9143	1.200	ug/l	99
20) Methylene Chloride	2.71	84	2268	0.789	ug/l #	83
21) trans-1,2-Dichloroethene	2.99	96	51275	19.566	ug/l	97
24) 1,1-Dichloroethane	3.45	63	75419	14.970	ug/l	98
27) cis-1,2-Dichloroethene	4.23	96	309181	102.619	ug/l	88
29) Tetrahydrofuran	4.66	42	1135	0.744	ug/l	93
30) Chloroform	4.68	83	1028	0.202	ug/l	89
31) Cyclohexane	4.99	56	7611	Below Cal	#	34
36) 1,1-Dichloropropene	4.99	75	15769	4.342	ug/l #	50
38) Carbon Tetrachloride	4.99	117	19830	4.966	ug/l #	15
39) Methylcyclohexane	6.42	83	2628	0.580	ug/l	93
40) Benzene	5.39	78	190239	18.384	ug/l	100
42) 1,2-Dichloroethane	5.41	62	17967	4.559	ug/l	94
44) Trichloroethene	6.19	130	159739	54.240	ug/l	98
49) 1,4-Dioxane	6.62	88	5480	84.109	ug/l	93
52) Toluene	7.64	92	8242	1.238	ug/l	98
55) 1,1,2-Trichloroethane	8.07	97	3089	1.141	ug/l #	93
59) 2-Hexanone	8.17	43	17334	4.939	ug/l	76
60) Dibromochloromethane	8.23	129	1917	0.568	ug/l #	11
64) Tetrachloroethene	8.23	164	2137	0.769	ug/l	95
65) Chlorobenzene	9.12	112	1384872	185.350	ug/l	99
67) Ethyl Benzene	9.26	91	4726	0.361	ug/l	97
69) o-Xylene	9.79	106	7898	1.587	ug/l	98
73) Isopropylbenzene	10.17	105	14129	1.145	ug/l	99
76) 1,2,3-Trichloropropane	10.31	75	89240	25.227	ug/l #	35
78) n-propylbenzene	10.59	91	5252	0.361	ug/l	98

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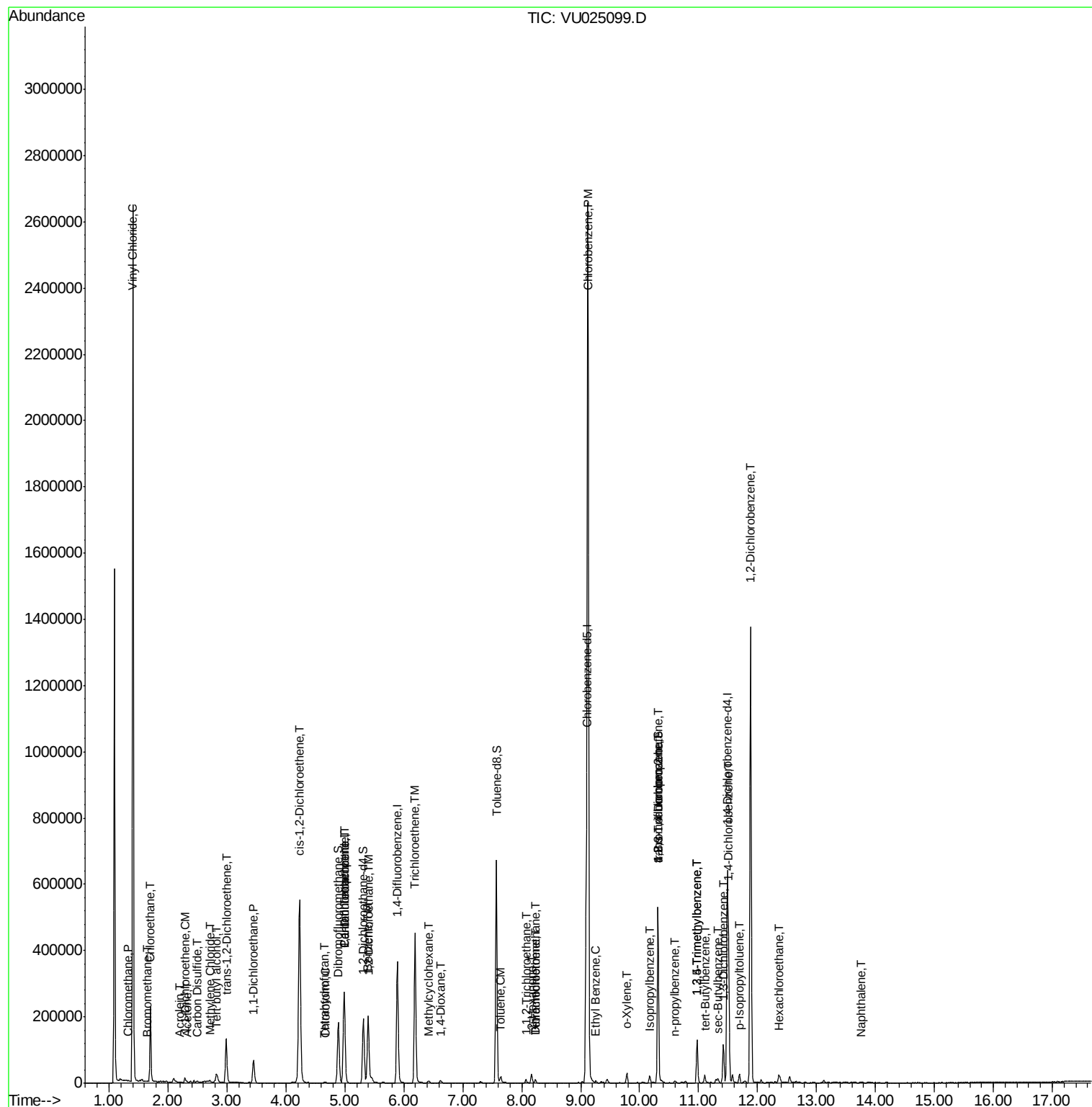
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
80) 1,3,5-Trimethylbenzene	10.98	105	77756	7.272	ug/l	75
81) trans-1,4-Dichloro-2-buten	10.31	75	89240	58.385	ug/l #	100
83) tert-Butylbenzene	11.10	119	10717	1.042	ug/l	89
84) 1,2,4-Trimethylbenzene	10.98	105	77756	7.136	ug/l	79
85) sec-Butylbenzene	11.33	105	8285	0.644	ug/l	94
86) p-Isopropyltoluene	11.69	119	14840	1.287	ug/l	98
87) 1,3-Dichlorobenzene	11.42	146	47747	8.275	ug/l	98
88) 1,4-Dichlorobenzene	11.51	146	151112	26.021	ug/l	99
90) Hexachloroethane	12.36	117	10981	4.882	ug/l #	8
91) 1,2-Dichlorobenzene	11.88	146	549422	95.068	ug/l	100
95) Naphthalene	13.75	128	2274	0.869	ug/l #	89

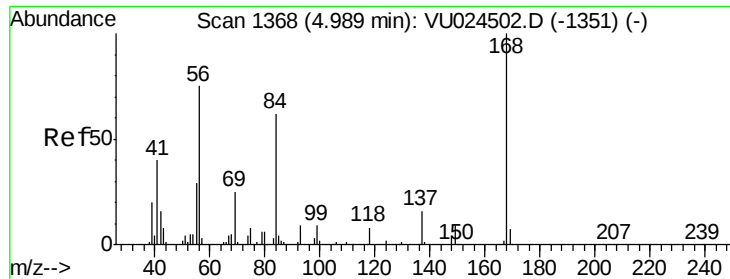
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 4.99 min Scan# 1368

Delta R.T. 0.00 min

Lab File: VU025099.D

Acq: 30 Jun 2018 19:37

Instrument :

MSVOA_U

ClientSampleId :

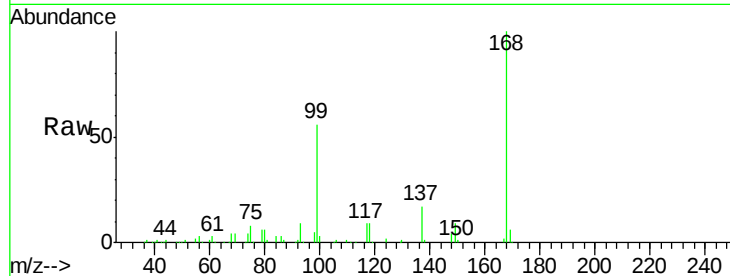
WP021RW350-180625

Tgt Ion:168 Resp: 208968

Ion Ratio Lower Upper

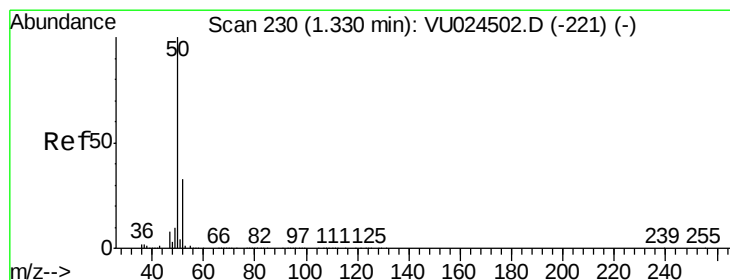
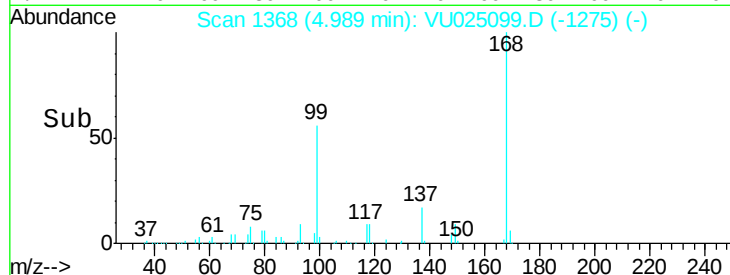
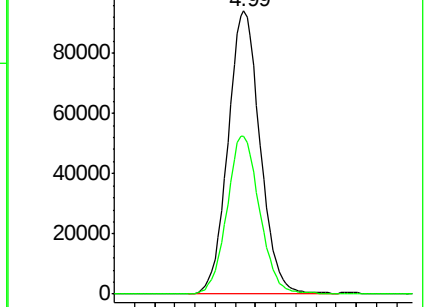
168 100

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) (-)



#3

Chloromethane

Concen: 0.365 ug/l

RT: 1.33 min Scan# 231

Delta R.T. 0.00 min

Lab File: VU025099.D

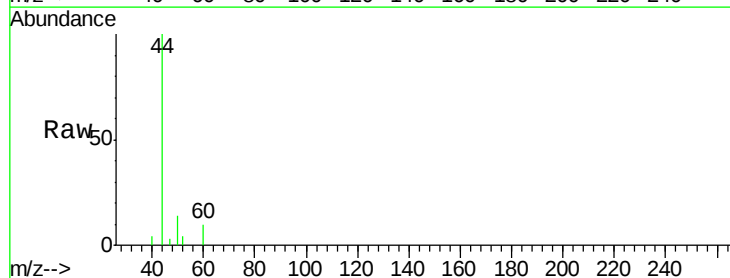
Acq: 30 Jun 2018 19:37

Tgt Ion: 50 Resp: 975

Ion Ratio Lower Upper

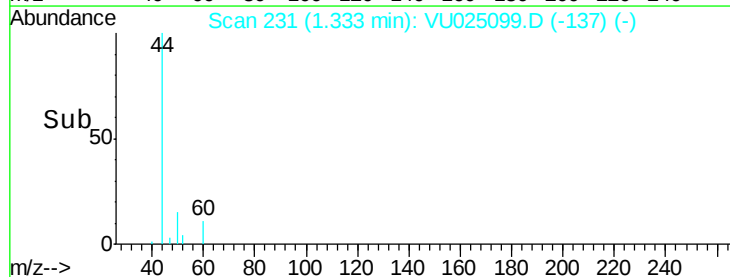
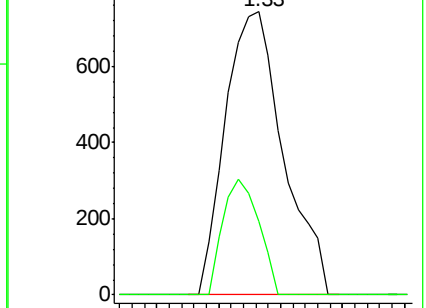
50 100

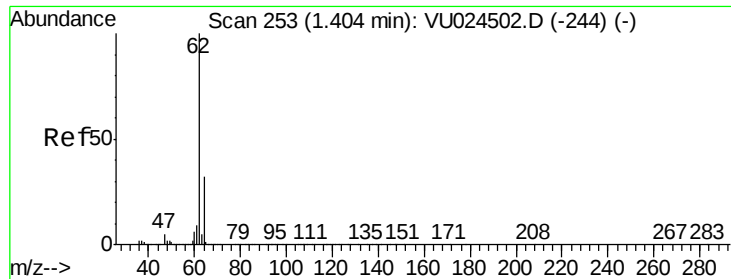
52 26.1 26.4 39.6#



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

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





#4

Vinyl Chloride

Concen: 594.640 ug/l

RT: 1.40 min Scan# 253

Delta R.T. 0.00 min

Lab File: VU025099.D

Acq: 30 Jun 2018 19:37

Instrument :

MSVOA_U

ClientSampleId :

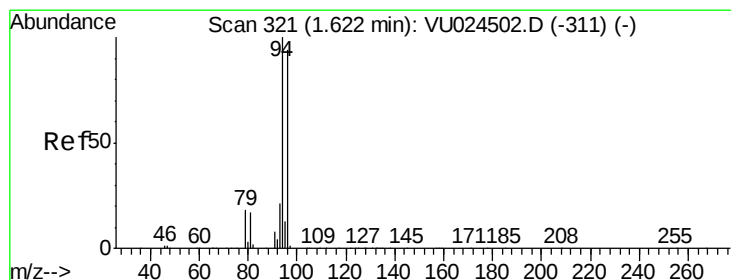
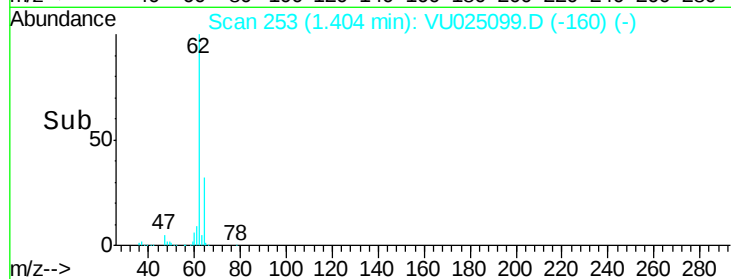
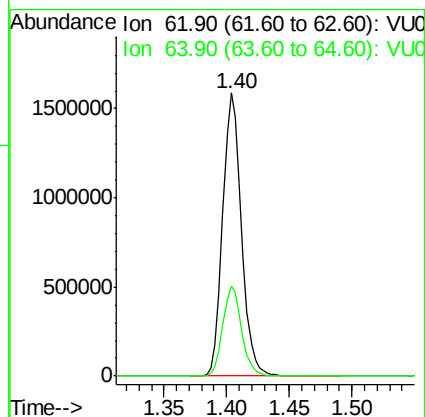
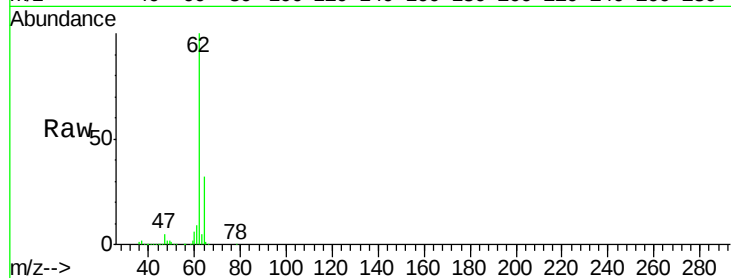
WP021RW350-180625

Tgt Ion: 62 Resp: 1638736

Ion Ratio Lower Upper

62 100

64 32.0 24.8 37.2



#5

Bromomethane

Concen: 0.248 ug/l

RT: 1.64 min Scan# 326

Delta R.T. 0.02 min

Lab File: VU025099.D

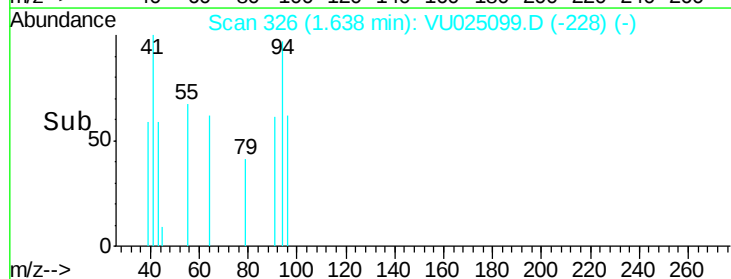
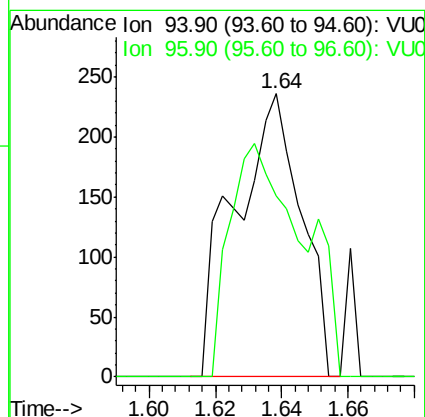
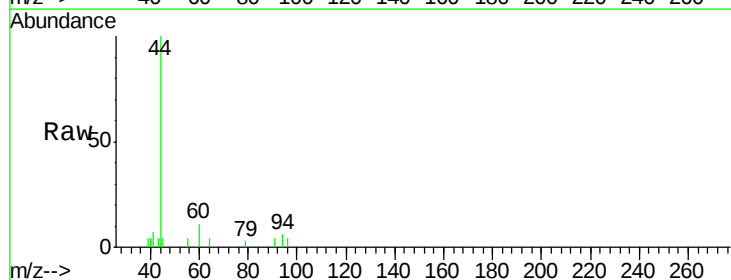
Acq: 30 Jun 2018 19:37

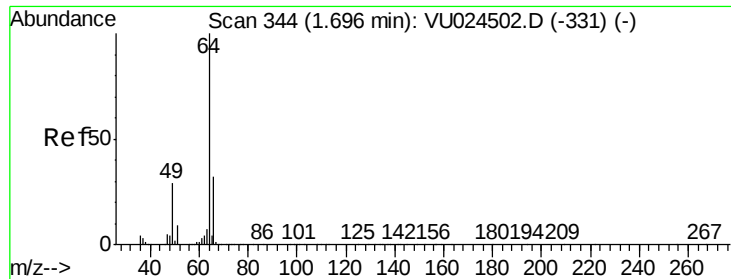
Tgt Ion: 94 Resp: 331

Ion Ratio Lower Upper

94 100

96 64.0 74.5 111.7#





#6

Chloroethane

Concen: 93.962 ug/l

RT: 1.70 min Scan# 346

Delta R.T. 0.01 min

Lab File: VU025099.D

Acq: 30 Jun 2018 19:37

Instrument :

MSVOA_U

ClientSampleId :

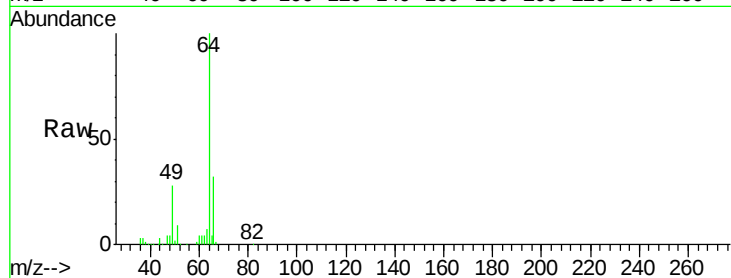
WP021RW350-180625

Tgt Ion: 64 Resp: 143268

Ion Ratio Lower Upper

64 100

66 31.7 25.5 38.3



Abundance Ion 63.90 (63.60 to 64.60): VU0

Ion 65.90 (65.60 to 66.60): VU0

1.70

120000

100000

80000

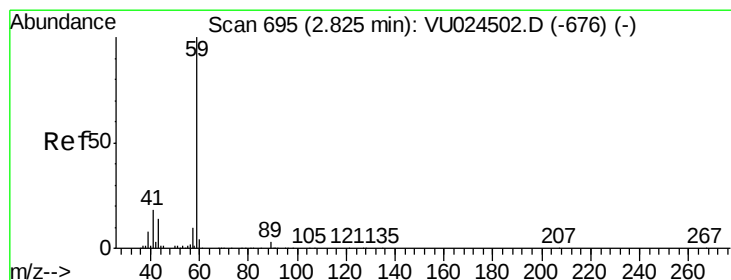
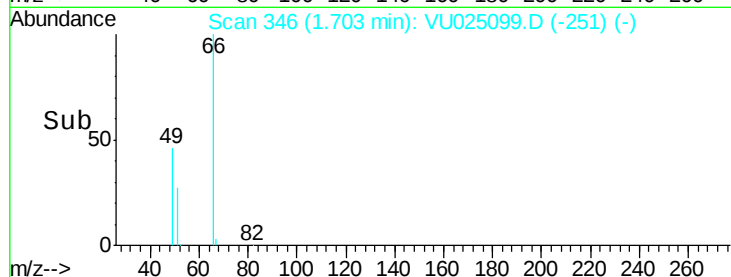
60000

40000

20000

0

Time--> 1.60 1.65 1.70 1.75 1.80



#11

Tert butyl alcohol

Concen: 35.681 ug/l

RT: 2.82 min Scan# 694

Delta R.T. -0.00 min

Lab File: VU025099.D

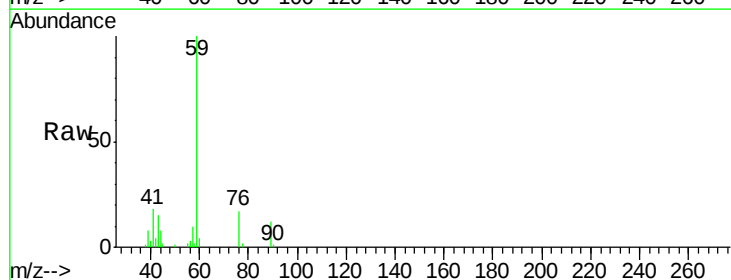
Acq: 30 Jun 2018 19:37

Tgt Ion: 59 Resp: 29604

Ion Ratio Lower Upper

59 100

57 9.9 8.5 12.7



Abundance Ion 59.00 (58.70 to 59.70): VU0

Ion 57.00 (56.70 to 57.70): VU0

2.82

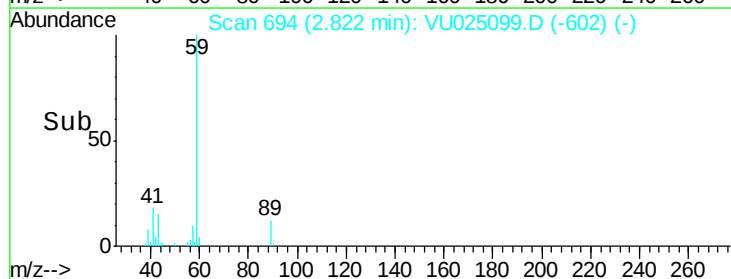
15000

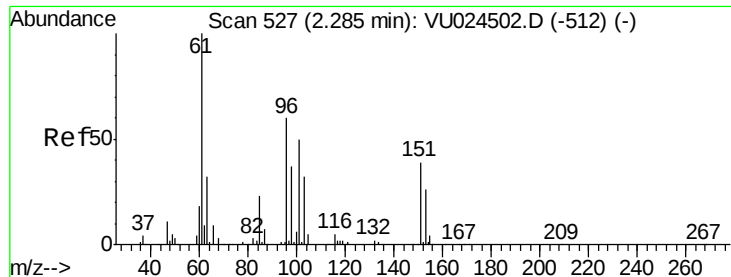
10000

5000

0

Time--> 2.75 2.80 2.85 2.90





#12

1,1-Dichloroethene

Concen: 2.024 ug/l

RT: 2.29 min Scan# 528

Delta R.T. 0.00 min

Lab File: VU025099.D

Acq: 30 Jun 2018 19:37

Instrument :

MSVOA_U

ClientSampleId :

WP021RW350-180625

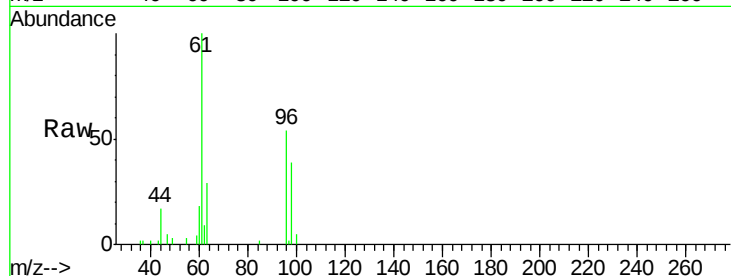
Tgt Ion: 96 Resp: 4816

Ion Ratio Lower Upper

96 100

61 186.9 141.7 212.5

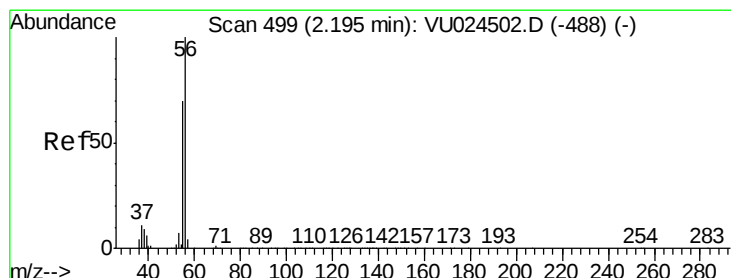
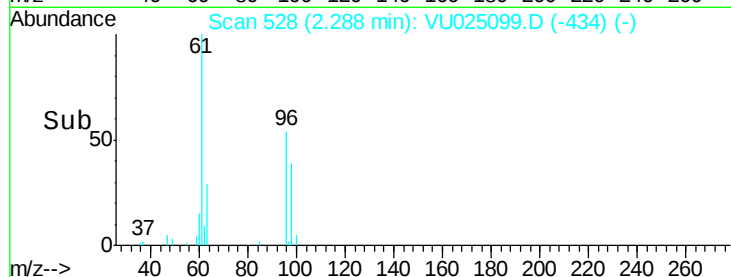
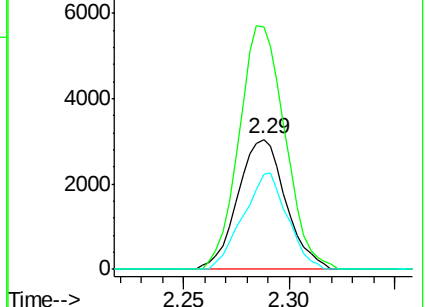
98 73.7 51.6 77.4



Abundance Ion 95.90 (95.60 to 96.60): VU025099.D (-434) (-)

Ion 60.90 (60.60 to 61.60): VU025099.D (-434) (-)

Ion 97.90 (97.60 to 98.60): VU025099.D (-434) (-)



#13

Acrolein

Concen: 0.246 ug/l

RT: 2.20 min Scan# 502

Delta R.T. 0.01 min

Lab File: VU025099.D

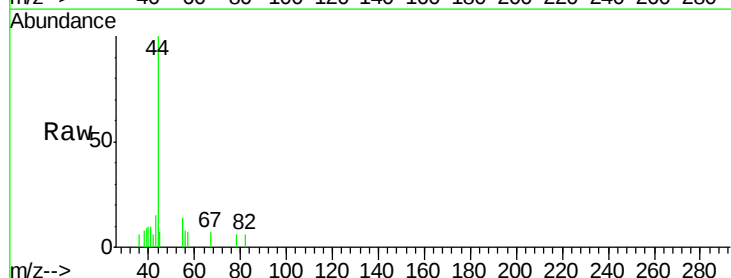
Acq: 30 Jun 2018 19:37

Tgt Ion: 56 Resp: 107

Ion Ratio Lower Upper

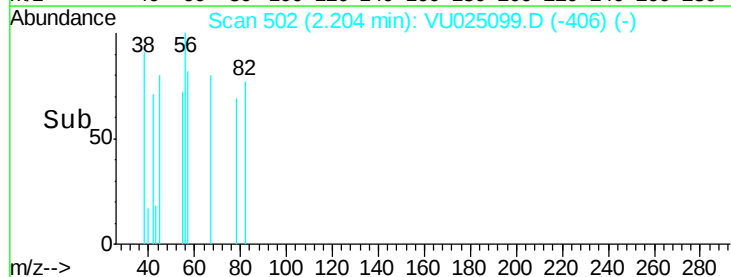
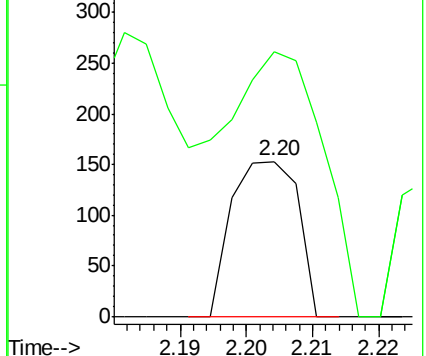
56 100

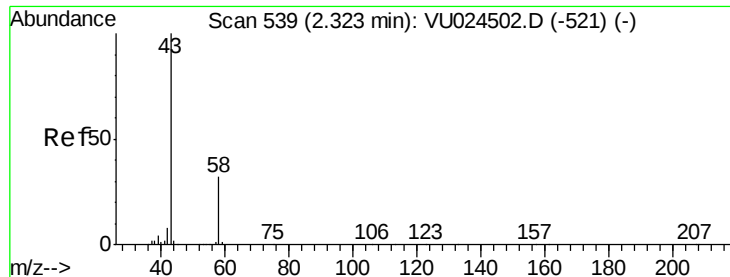
55 226.2 58.4 87.6#



Abundance Ion 56.00 (55.70 to 56.70): VU025099.D (-406) (-)

Ion 55.00 (54.70 to 55.70): VU025099.D (-406) (-)





#16

Acetone

Concen: 2.322 ug/l

RT: 2.32 min Scan# 539

Delta R.T. 0.00 min

Lab File: VU025099.D

Acq: 30 Jun 2018 19:37

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MSVOA_U

ClientSampleId :

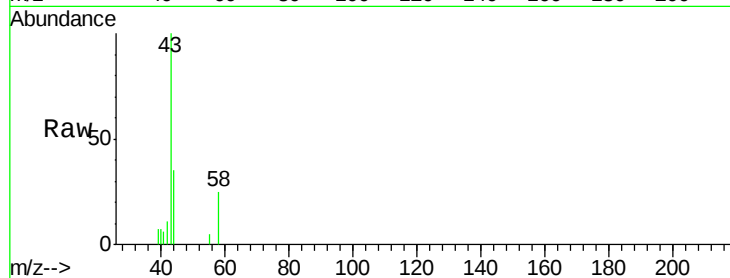
WP021RW350-180625

Tgt Ion: 43 Resp: 4257

Ion Ratio Lower Upper

43 100

58 25.4 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

2500

2000

1500

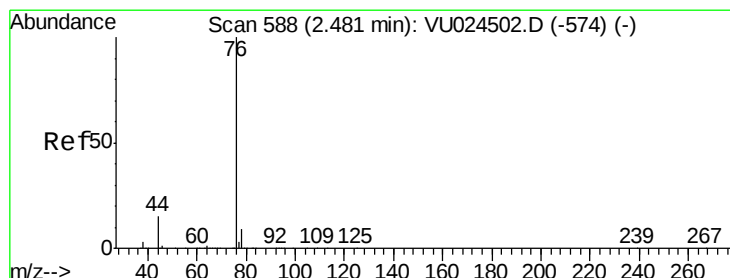
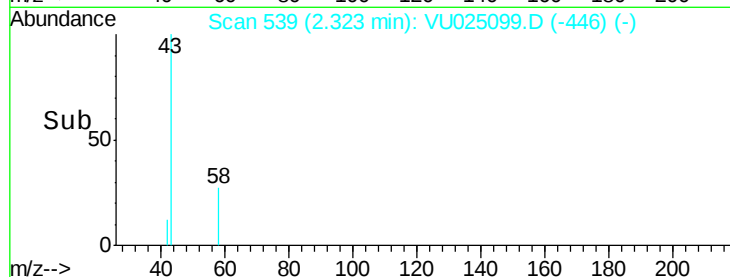
1000

500

0

2.30 2.35 2.40

Time-->



#17

Carbon Disulfide

Concen: 1.200 ug/l

RT: 2.49 min Scan# 592

Delta R.T. 0.01 min

Lab File: VU025099.D

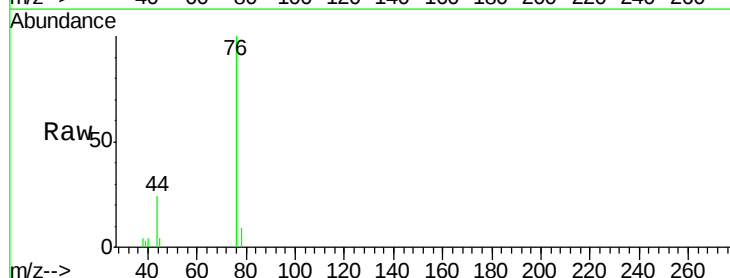
Acq: 30 Jun 2018 19:37

Tgt Ion: 76 Resp: 9143

Ion Ratio Lower Upper

76 100

78 8.6 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

4000

3000

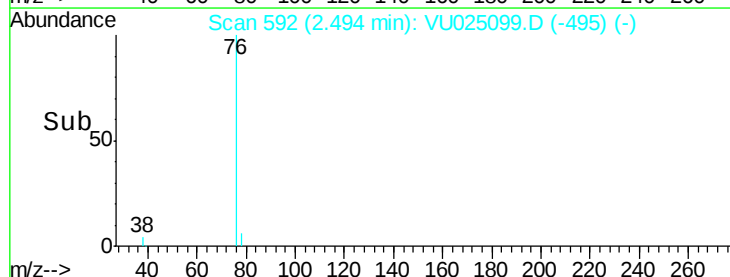
2000

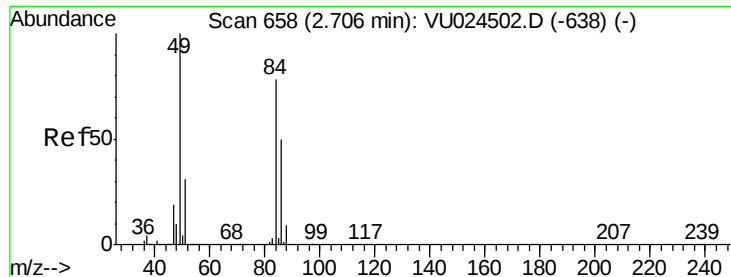
1000

0

2.45 2.50

Time-->





#20

Methylene Chloride

Concen: 0.789 ug/l

RT: 2.71 min Scan# 658

Delta R.T. 0.00 min

Lab File: VU025099.D

Acq: 30 Jun 2018 19:37

Instrument :

MSVOA_U

ClientSampleId :

WP021RW350-180625

Tgt Ion: 84 Resp: 2268

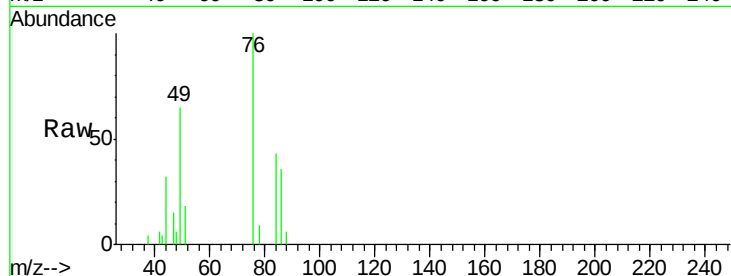
Ion Ratio Lower Upper

84 100

49 149.6 103.8 155.8

51 42.6 32.0 48.0

86 82.7 51.6 77.4#

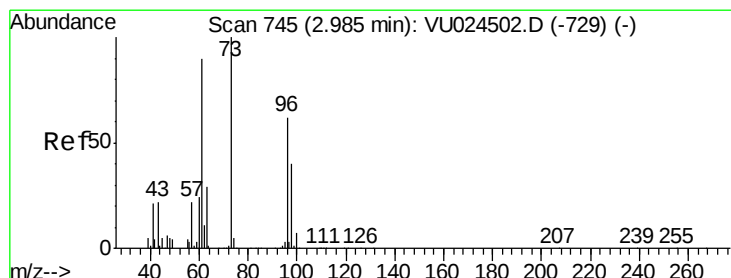
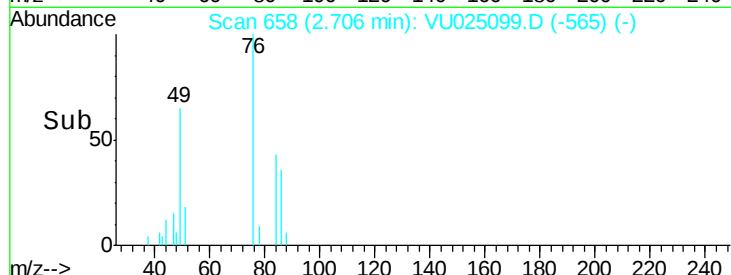
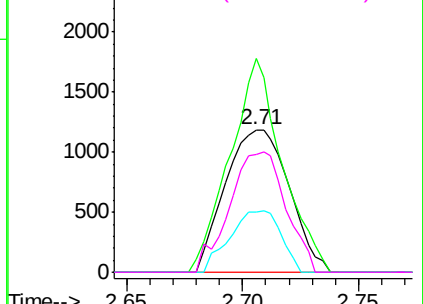


Abundance Ion 83.90 (83.60 to 84.60): VU0

Ion 48.90 (48.60 to 49.60): VU0

Ion 50.90 (50.60 to 51.60): VU0

Ion 85.90 (85.60 to 86.60): VU0



#21

trans-1,2-Dichloroethene

Concen: 19.566 ug/l

RT: 2.99 min Scan# 746

Delta R.T. 0.00 min

Lab File: VU025099.D

Acq: 30 Jun 2018 19:37

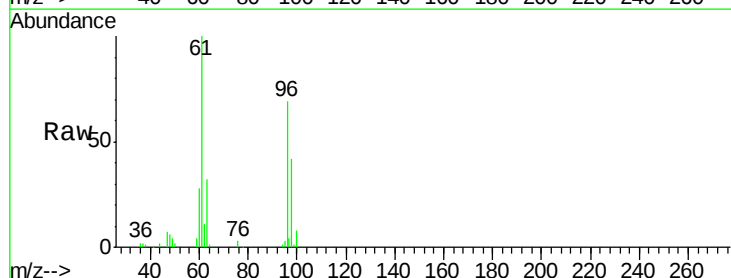
Tgt Ion: 96 Resp: 51275

Ion Ratio Lower Upper

96 100

61 145.7 119.4 179.0

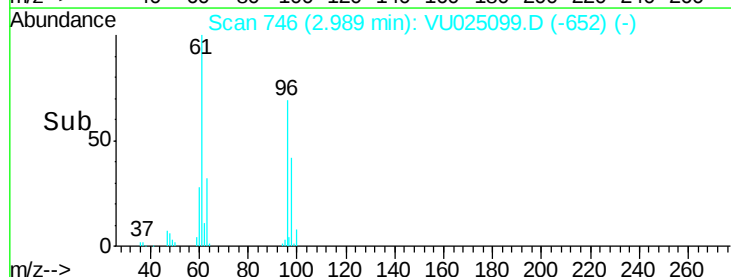
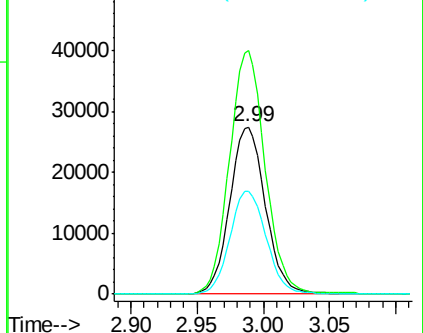
98 61.7 51.1 76.7

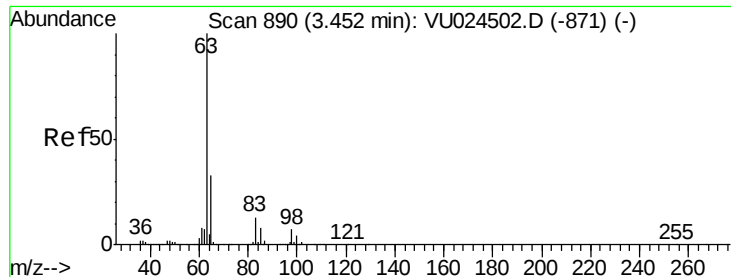


Abundance Ion 95.90 (95.60 to 96.60): VU0

Ion 60.90 (60.60 to 61.60): VU0

Ion 97.90 (97.60 to 98.60): VU0





#24

1,1-Dichloroethane

Concen: 14.970 ug/l

RT: 3.45 min Scan# 890

Delta R.T. 0.00 min

Lab File: VU025099.D

Acq: 30 Jun 2018 19:37

Instrument :

MSVOA_U

ClientSampleId :

WP021RW350-180625

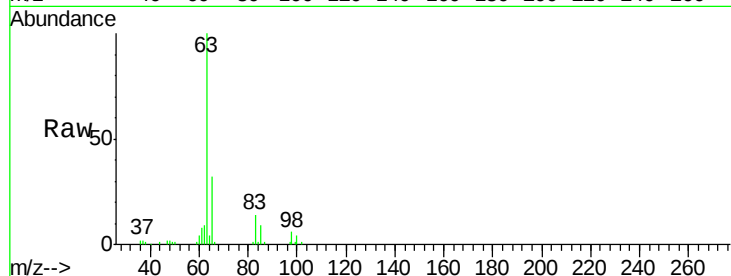
Tgt Ion: 63 Resp: 75419

Ion Ratio Lower Upper

63 100

98 6.5 3.5 10.4

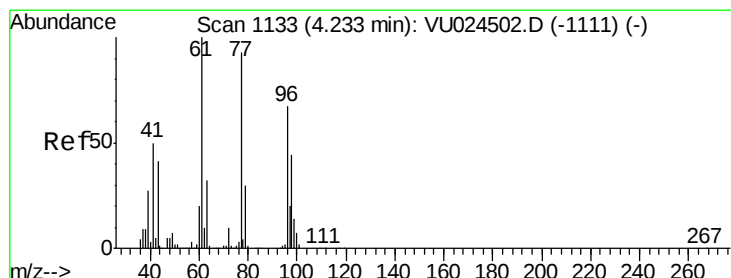
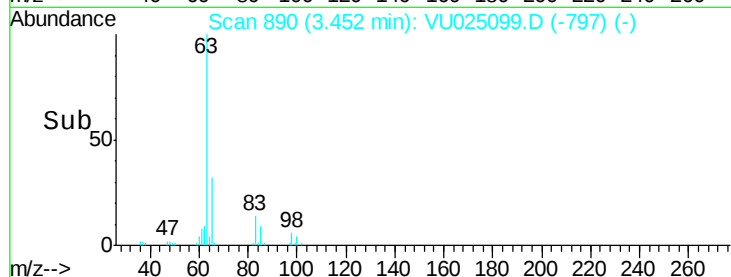
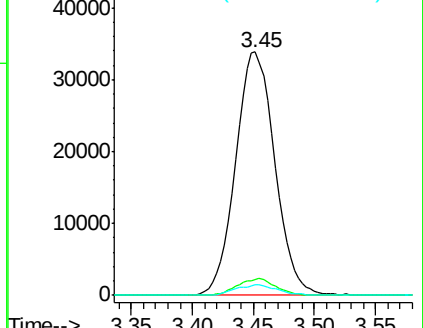
100 4.4 1.8 5.5



Abundance Ion 62.90 (62.60 to 63.60): VU0

Ion 97.90 (97.60 to 98.60): VU0

Ion 99.90 (99.60 to 100.60): VU0



#27

cis-1,2-Dichloroethene

Concen: 102.619 ug/l

RT: 4.23 min Scan# 1132

Delta R.T. -0.00 min

Lab File: VU025099.D

Acq: 30 Jun 2018 19:37

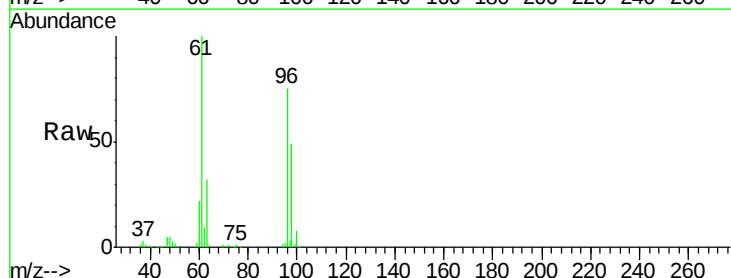
Tgt Ion: 96 Resp: 309181

Ion Ratio Lower Upper

96 100

61 131.6 0.0 306.6

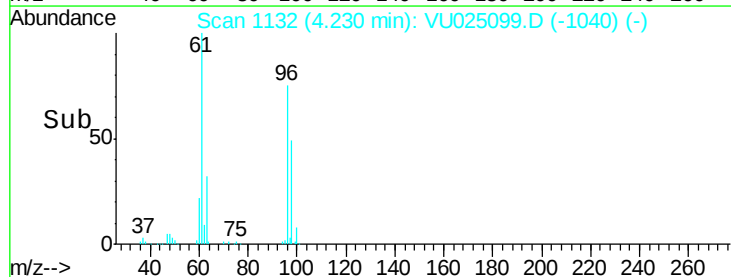
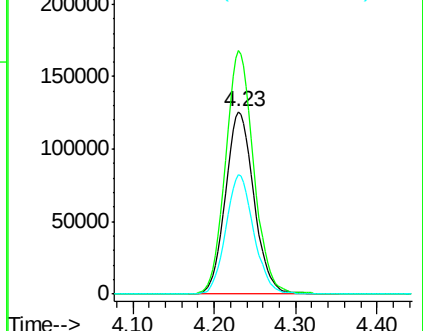
98 64.4 0.0 128.8

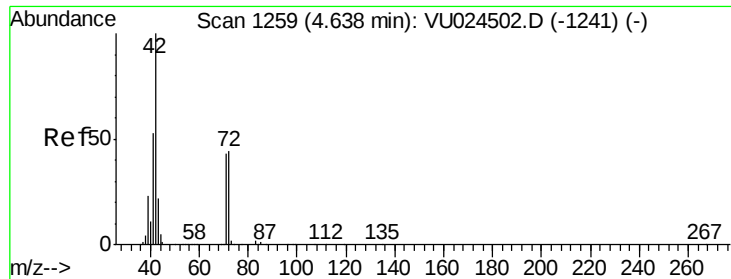


Abundance Ion 95.90 (95.60 to 96.60): VU0

Ion 60.90 (60.60 to 61.60): VU0

Ion 97.90 (97.60 to 98.60): VU0

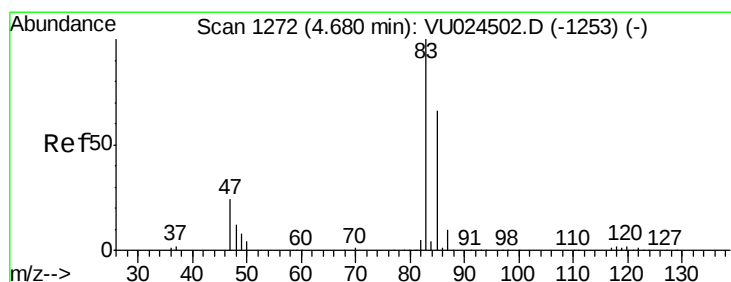
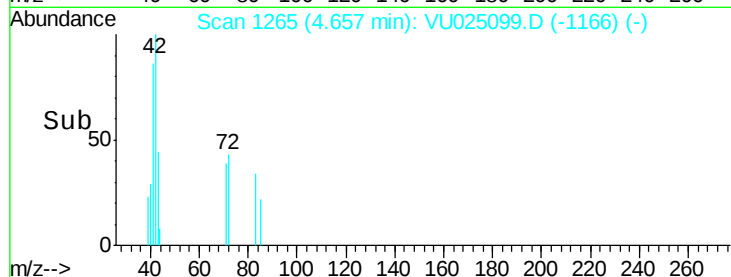
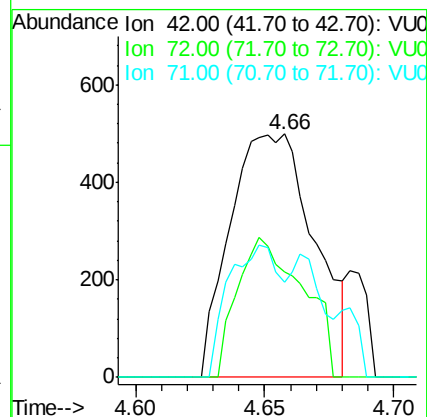
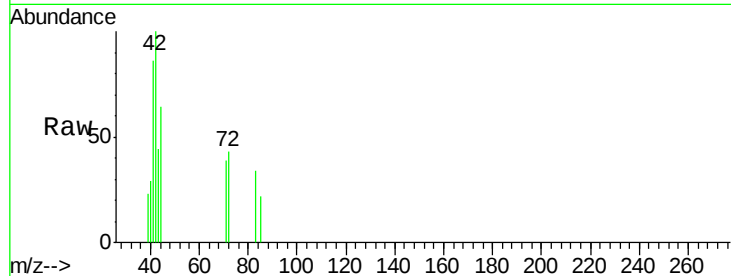




#29
Tetrahydrofuran
Concen: 0.744 ug/l
RT: 4.66 min Scan# 1265
Delta R.T. 0.02 min
Lab File: VU025099.D
Acq: 30 Jun 2018 19:37

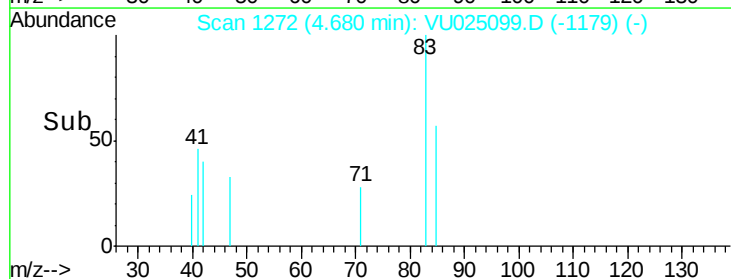
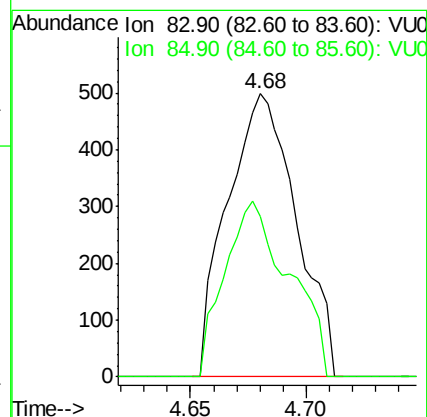
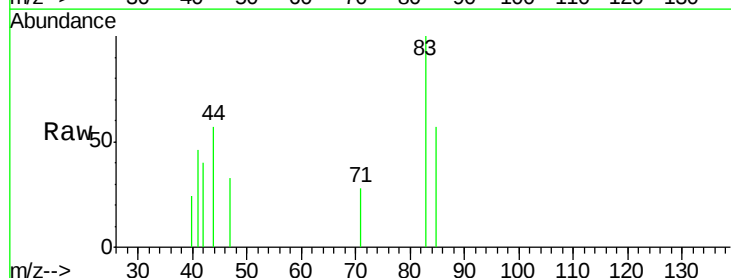
Instrument :
MSVOA_U
ClientSampleId :
WP021RW350-180625

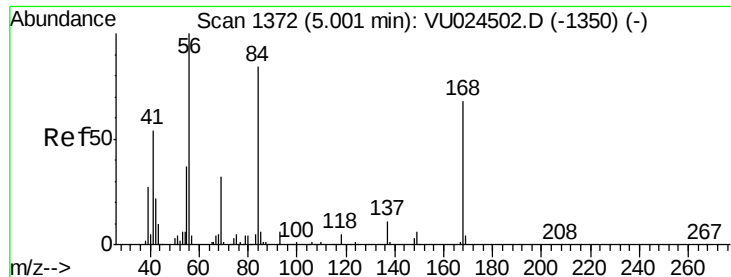
Tgt Ion: 42 Resp: 1135
Ion Ratio Lower Upper
42 100
72 44.7 34.5 51.7
71 33.3 32.2 48.4



#30
Chloroform
Concen: 0.202 ug/l
RT: 4.68 min Scan# 1272
Delta R.T. 0.00 min
Lab File: VU025099.D
Acq: 30 Jun 2018 19:37

Tgt Ion: 83 Resp: 1028
Ion Ratio Lower Upper
83 100
85 56.6 52.4 78.6

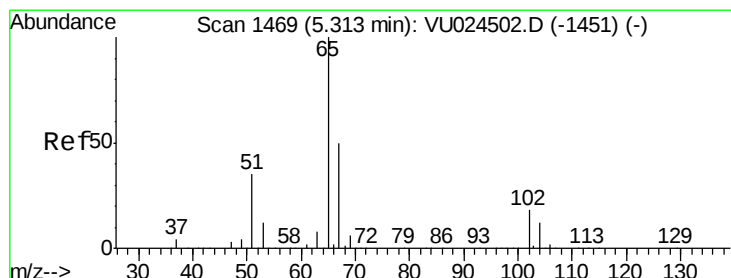
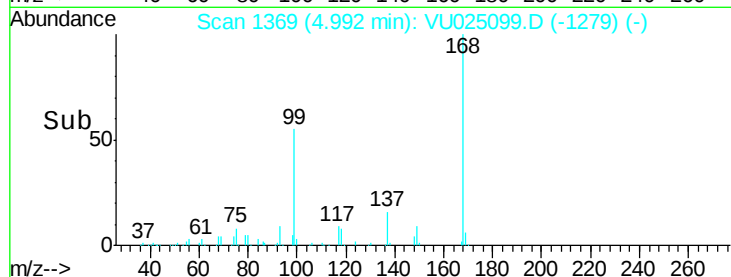
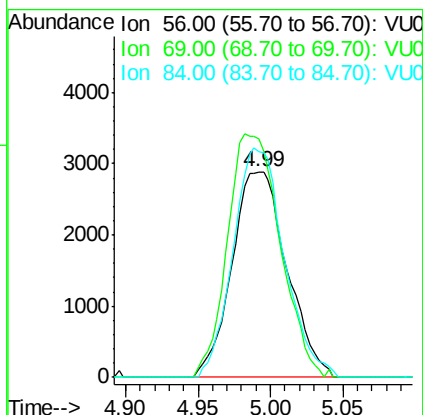
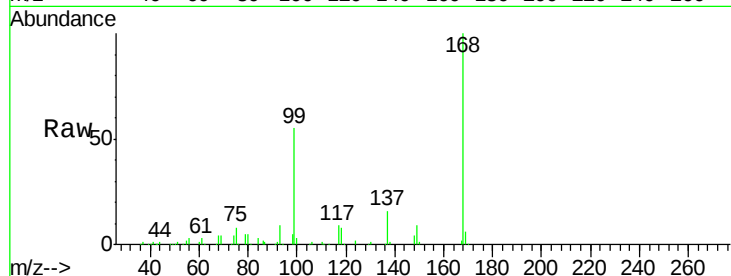




#31
Cyclohexane
Concen: Below Cal
RT: 4.99 min Scan# 1369
Delta R.T. -0.01 min
Lab File: VU025099.D
Acq: 30 Jun 2018 19:37

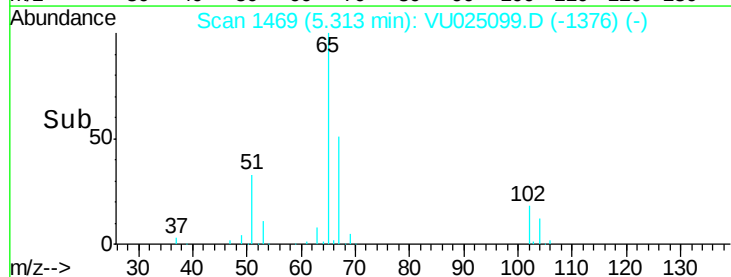
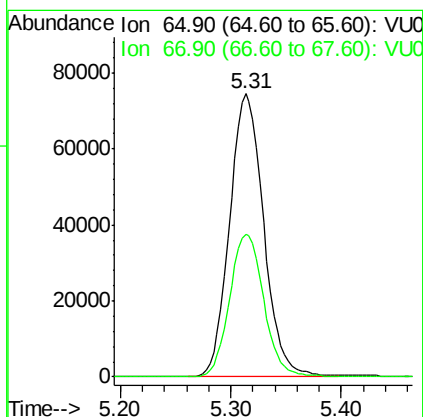
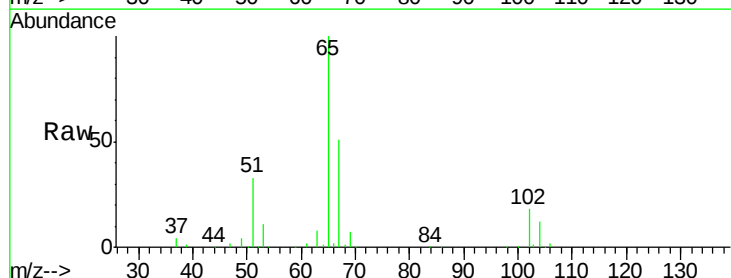
Instrument :
MSVOA_U
ClientSampleId :
WP021RW350-180625

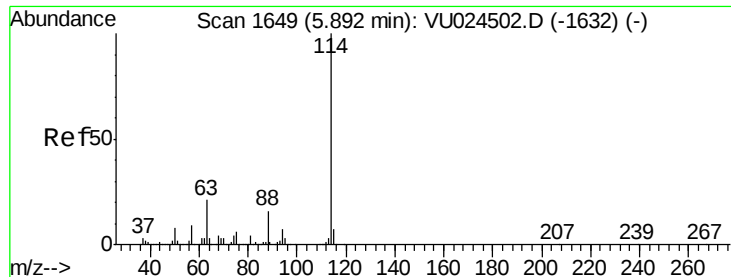
Tgt Ion: 56 Resp: 7611
Ion Ratio Lower Upper
56 100
69 116.1 24.8 37.2#
84 109.9 65.2 97.8#



#33
1,2-Dichloroethane-d4
Concen: 46.946 ug/l
RT: 5.31 min Scan# 1469
Delta R.T. 0.00 min
Lab File: VU025099.D
Acq: 30 Jun 2018 19:37

Tgt Ion: 65 Resp: 160152
Ion Ratio Lower Upper
65 100
67 50.4 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: VU025099.D

Acq: 30 Jun 2018 19:37

Instrument :

MSVOA_U

ClientSampleId :

WP021RW350-180625

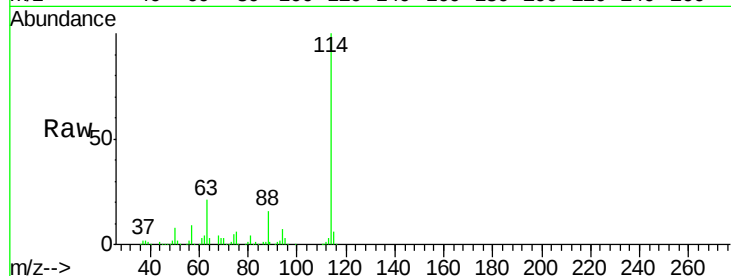
Tgt Ion:114 Resp: 309053

Ion Ratio Lower Upper

114 100

63 21.1 0.0 45.4

88 16.0 0.0 31.0



Abundance Ion 113.90 (113.60 to 114.60): V

Ion 63.00 (62.70 to 63.70): VU0

Ion 87.90 (87.60 to 88.60): VU0

200000

150000

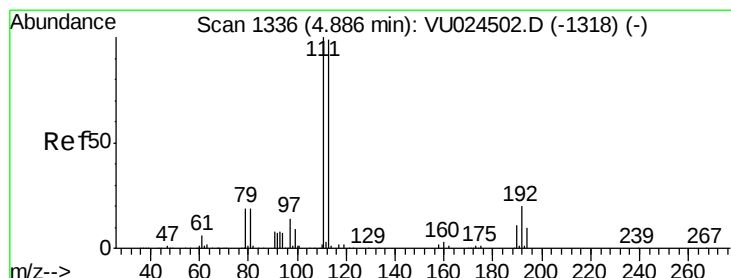
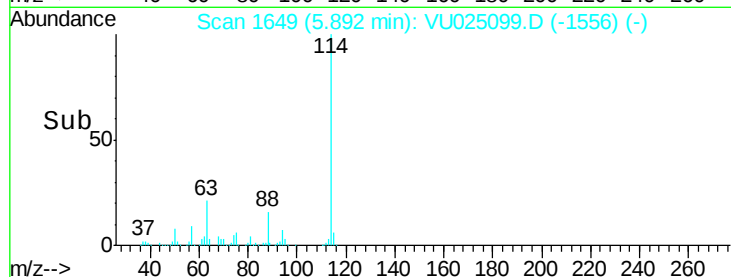
100000

50000

0

5.80 5.85 5.90 5.95 6.00

Time-->



#35

Dibromofluoromethane

Concen: 47.895 ug/l

RT: 4.89 min Scan# 1337

Delta R.T. 0.00 min

Lab File: VU025099.D

Acq: 30 Jun 2018 19:37

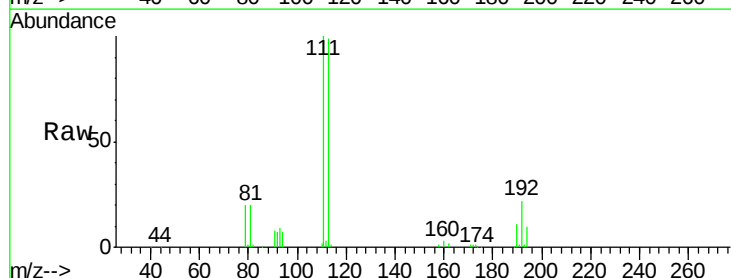
Tgt Ion:113 Resp: 122847

Ion Ratio Lower Upper

113 100

111 104.2 82.2 123.4

192 21.7 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

60000

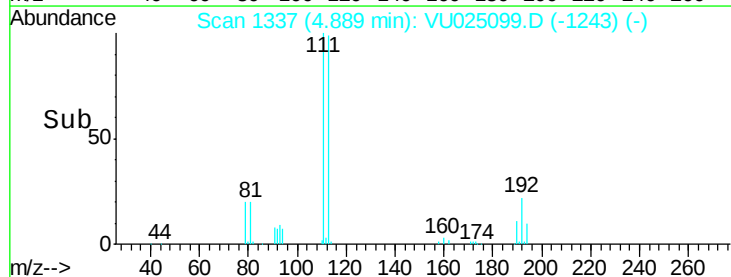
40000

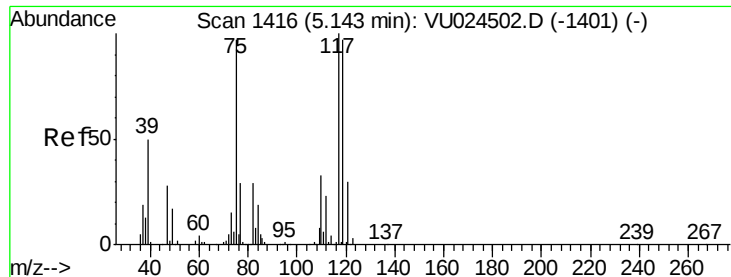
20000

0

4.80 4.85 4.90 4.95

Time-->





#36

1,1-Dichloropropene

Concen: 4.342 ug/l

RT: 4.99 min Scan# 1368

Delta R.T. -0.15 min

Lab File: VU025099.D

Acq: 30 Jun 2018 19:37

Instrument :

MSVOA_U

ClientSampleId :

WP021RW350-180625

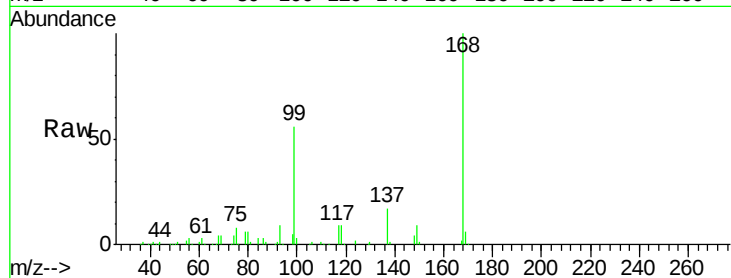
Tgt Ion: 75 Resp: 15769

Ion Ratio Lower Upper

75 100

110 8.6 17.0 50.9#

77 0.0 24.2 36.4#

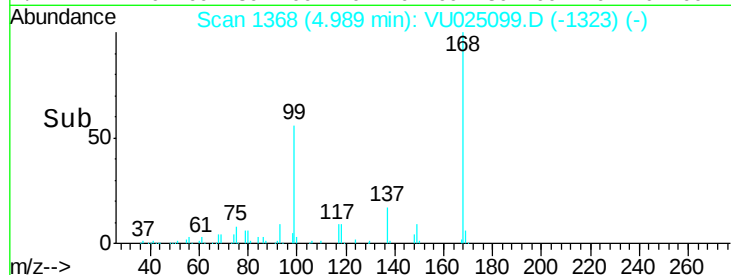


Abundance Ion 74.90 (74.60 to 75.60): VU025099.D (-1368) (-)

Ion 109.90 (109.60 to 110.60): VU025099.D (-1368) (-)

Ion 76.90 (76.60 to 77.60): VU025099.D (-1368) (-)

Time-->



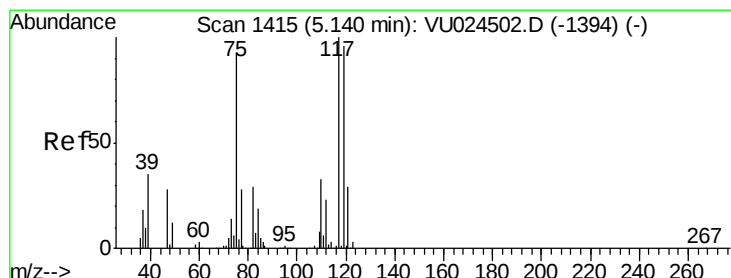
Abundance

Ion 74.90 (74.60 to 75.60): VU025099.D (-1368) (-)

Ion 109.90 (109.60 to 110.60): VU025099.D (-1368) (-)

Ion 76.90 (76.60 to 77.60): VU025099.D (-1368) (-)

Time-->



#38

Carbon Tetrachloride

Concen: 4.966 ug/l

RT: 4.99 min Scan# 1368

Delta R.T. -0.15 min

Lab File: VU025099.D

Acq: 30 Jun 2018 19:37

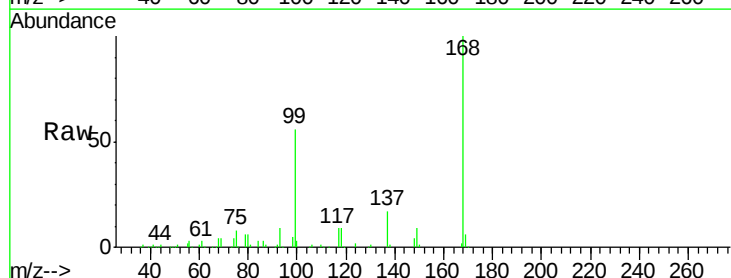
Tgt Ion: 117 Resp: 19830

Ion Ratio Lower Upper

117 100

119 3.7 76.1 114.1#

121 0.0 23.7 35.5#

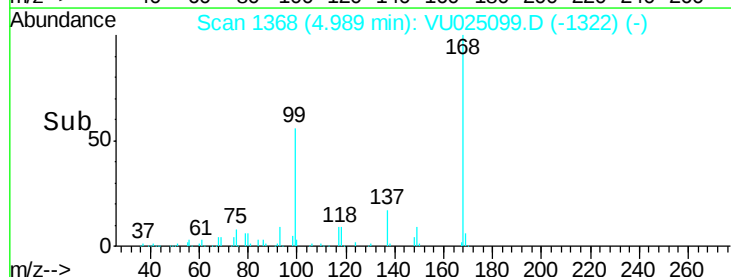


Abundance Ion 116.80 (116.50 to 117.50): VU025099.D (-1368) (-)

Ion 118.80 (118.50 to 119.50): VU025099.D (-1368) (-)

Ion 120.80 (120.50 to 121.50): VU025099.D (-1368) (-)

Time-->



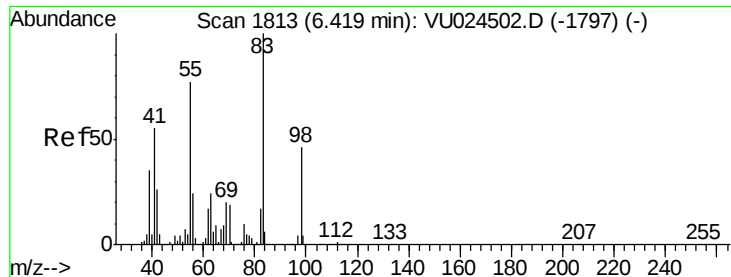
Abundance

Ion 116.80 (116.50 to 117.50): VU025099.D (-1368) (-)

Ion 118.80 (118.50 to 119.50): VU025099.D (-1368) (-)

Ion 120.80 (120.50 to 121.50): VU025099.D (-1368) (-)

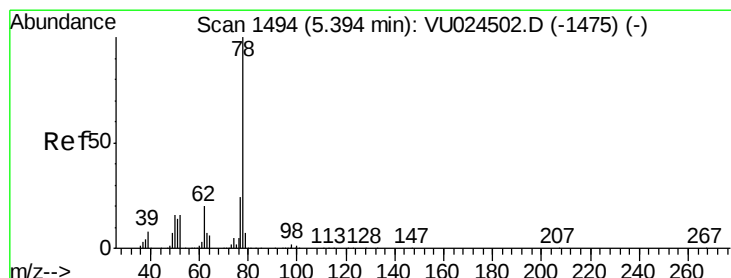
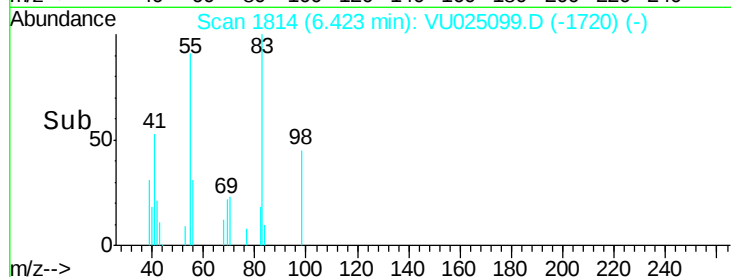
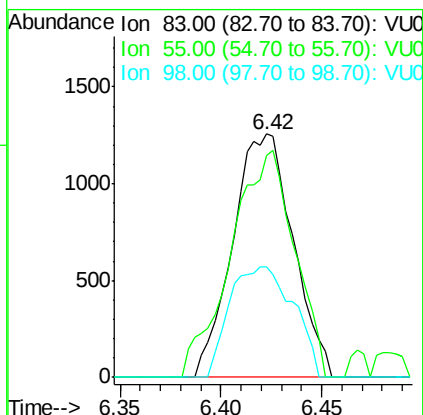
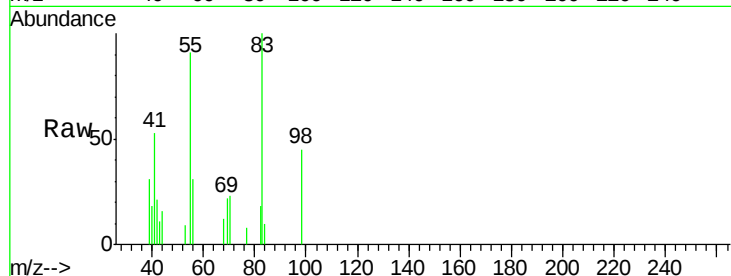
Time-->



#39
Methylcyclohexane
Concen: 0.580 ug/l
RT: 6.42 min Scan# 1814
Delta R.T. 0.00 min
Lab File: VU025099.D
Acq: 30 Jun 2018 19:37

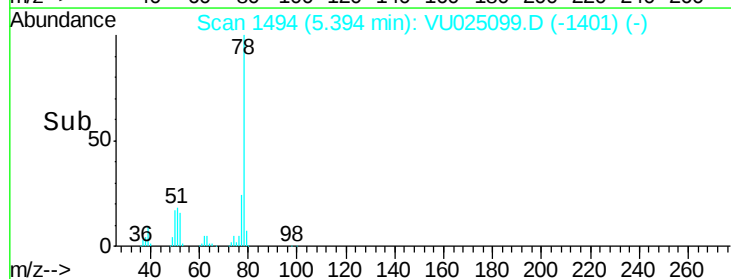
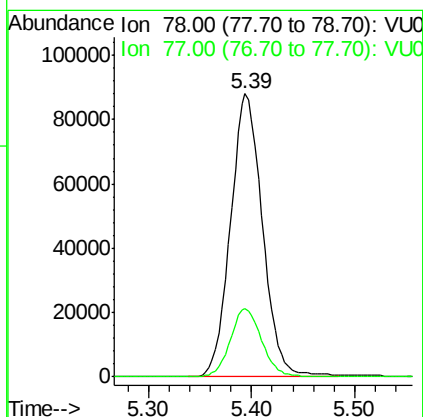
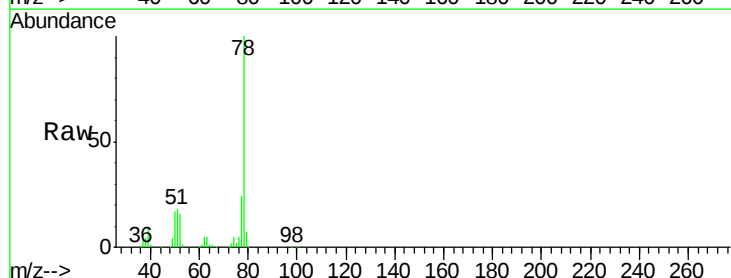
Instrument :
MSVOA_U
ClientSampleId :
WP021RW350-180625

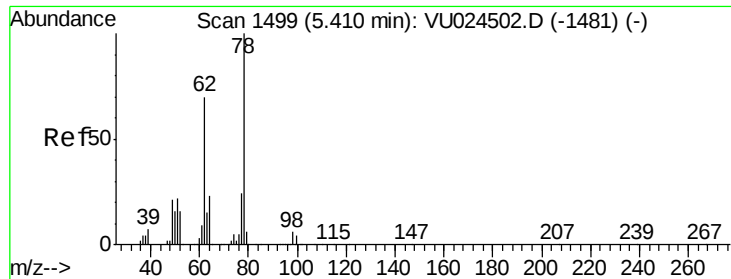
Tgt Ion: 83 Resp: 2628
Ion Ratio Lower Upper
83 100
55 90.9 65.8 98.6
98 45.4 36.7 55.1



#40
Benzene
Concen: 18.384 ug/l
RT: 5.39 min Scan# 1494
Delta R.T. 0.00 min
Lab File: VU025099.D
Acq: 30 Jun 2018 19:37

Tgt Ion: 78 Resp: 190239
Ion Ratio Lower Upper
78 100
77 24.0 19.2 28.8





#42

1,2-Dichloroethane

Concen: 4.559 ug/l

RT: 5.41 min Scan# 1499

Delta R.T. 0.00 min

Lab File: VU025099.D

Acq: 30 Jun 2018 19:37

Instrument :

MSVOA_U

ClientSampleId :

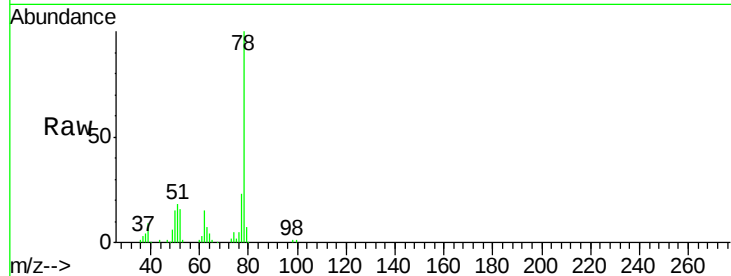
WP021RW350-180625

Tgt Ion: 62 Resp: 17967

Ion Ratio Lower Upper

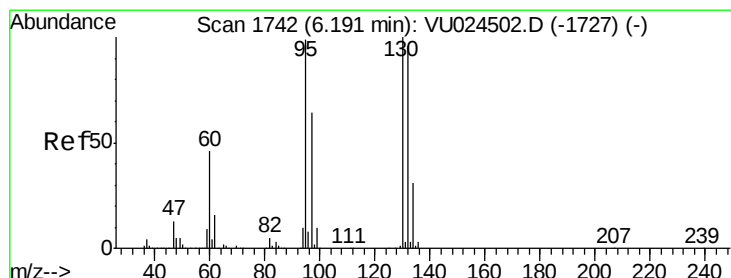
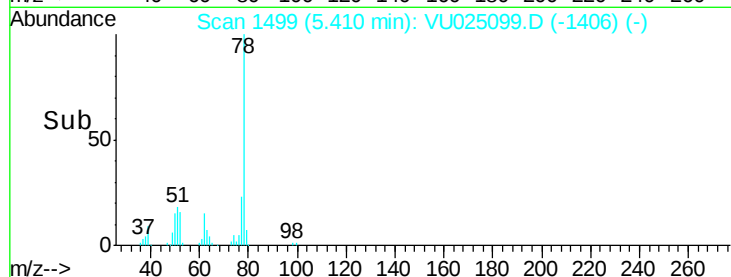
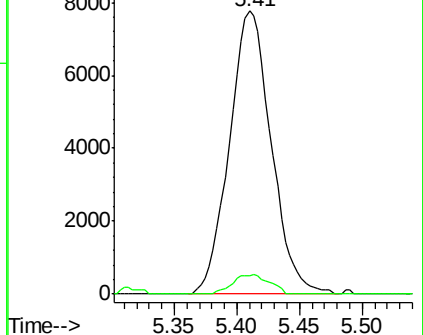
62 100

98 6.1 0.0 16.6



Abundance Ion 61.90 (61.60 to 62.60): VU024502.D (-1481) (-)

Ion 97.90 (97.60 to 98.60): VU024502.D (-1481) (-)



#44

Trichloroethene

Concen: 54.240 ug/l

RT: 6.19 min Scan# 1742

Delta R.T. 0.00 min

Lab File: VU025099.D

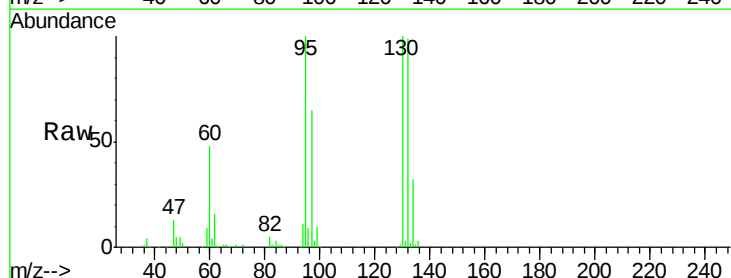
Acq: 30 Jun 2018 19:37

Tgt Ion: 130 Resp: 159739

Ion Ratio Lower Upper

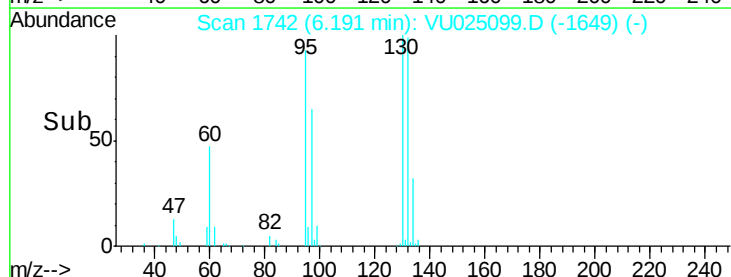
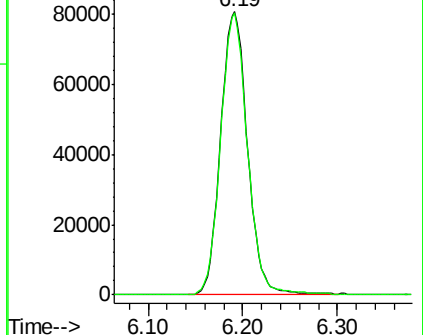
130 100

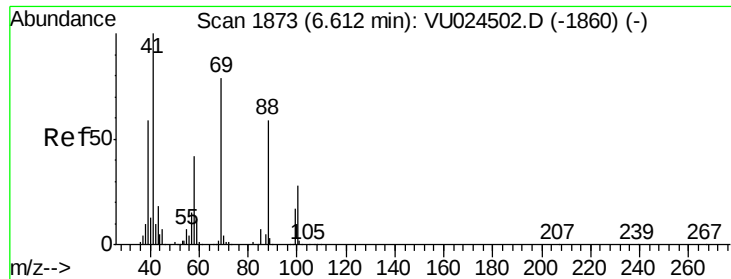
95 99.5 0.0 202.4



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

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

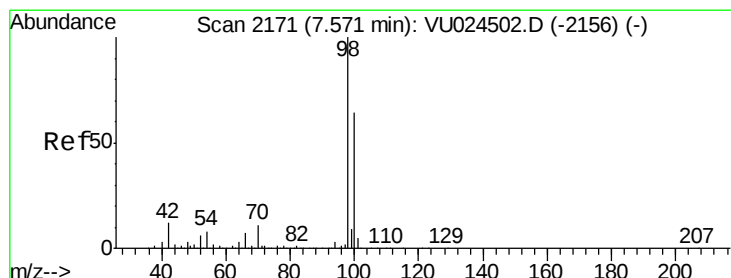
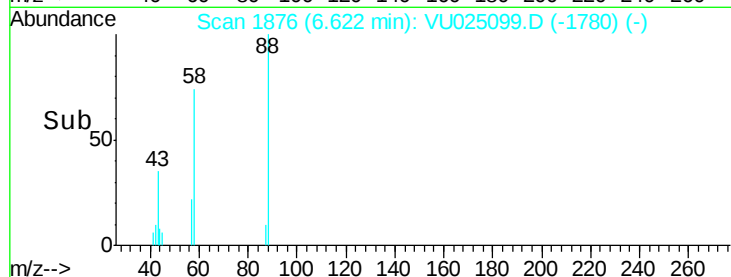
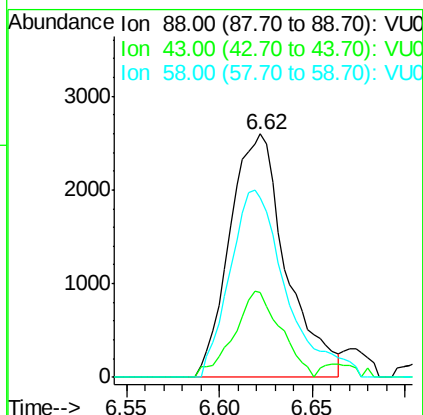
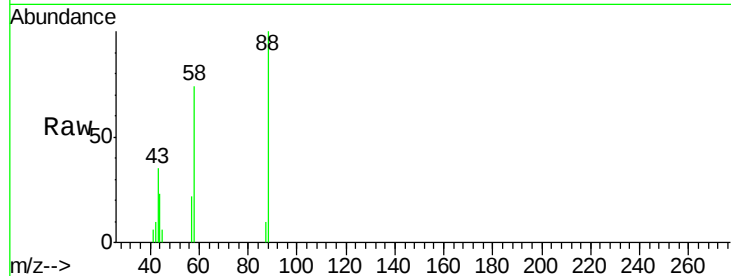




#49
1,4-Dioxane
Concen: 84.109 ug/l
RT: 6.62 min Scan# 1876
Delta R.T. 0.01 min
Lab File: VU025099.D
Acq: 30 Jun 2018 19:37

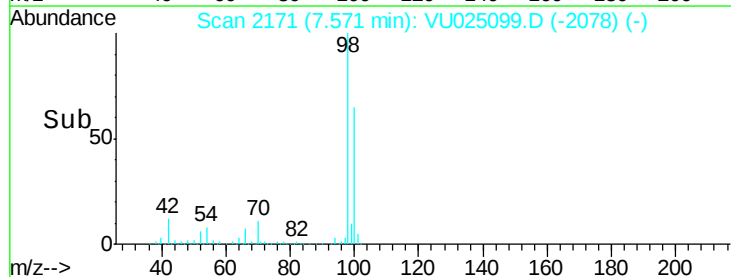
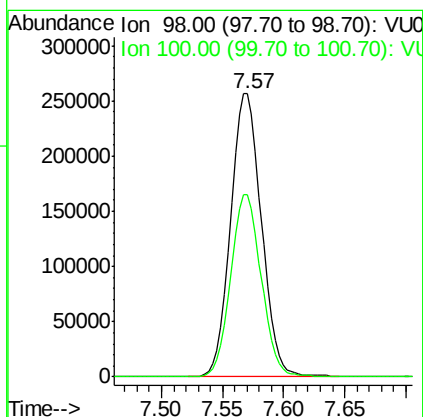
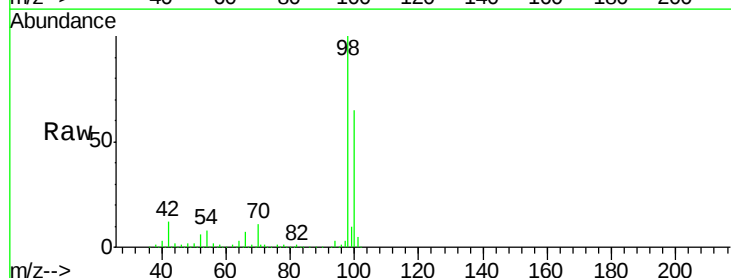
Instrument :
MSVOA_U
ClientSampleId :
WP021RW350-180625

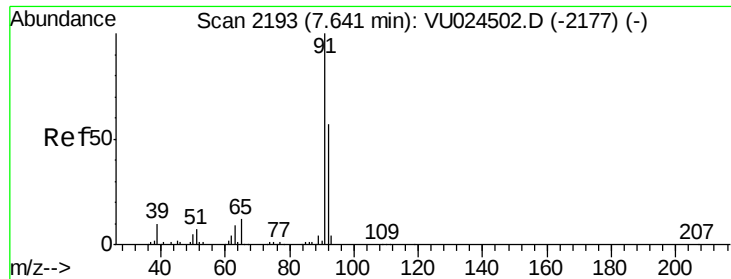
Tgt Ion: 88 Resp: 5480
Ion Ratio Lower Upper
88 100
43 29.5 28.6 42.8
58 76.8 58.2 87.4



#50
Toluene-d8
Concen: 48.289 ug/l
RT: 7.57 min Scan# 2171
Delta R.T. 0.00 min
Lab File: VU025099.D
Acq: 30 Jun 2018 19:37

Tgt Ion: 98 Resp: 451778
Ion Ratio Lower Upper
98 100
100 64.0 51.1 76.7





#52

Toluene

Concen: 1.238 ug/l

RT: 7.64 min Scan# 2193

Delta R.T. 0.00 min

Lab File: VU025099.D

Acq: 30 Jun 2018 19:37

Instrument :

MSVOA_U

ClientSampleId :

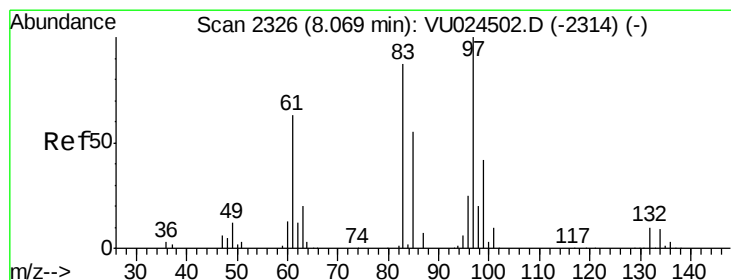
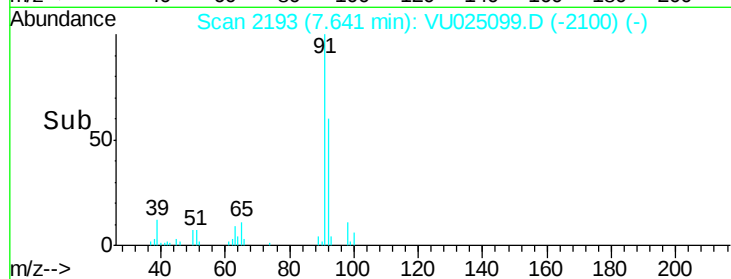
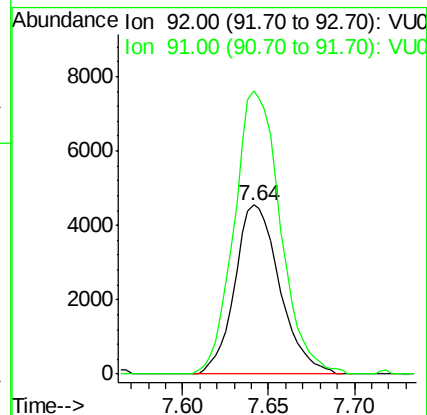
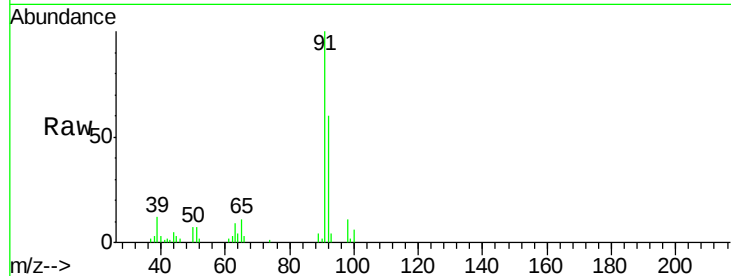
WP021RW350-180625

Tgt Ion: 92 Resp: 8242

Ion Ratio Lower Upper

92 100

91 172.4 140.5 210.7



#55

1,1,2-Trichloroethane

Concen: 1.141 ug/l

RT: 8.07 min Scan# 2326

Delta R.T. 0.00 min

Lab File: VU025099.D

Acq: 30 Jun 2018 19:37

Tgt Ion: 97 Resp: 3089

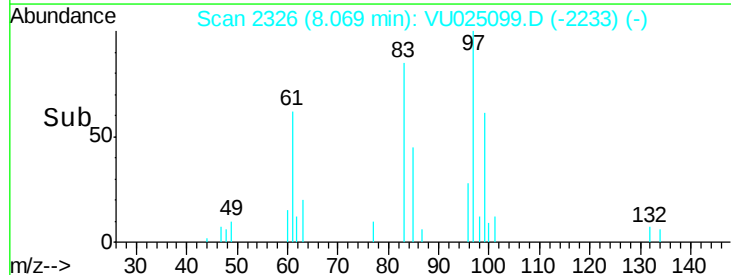
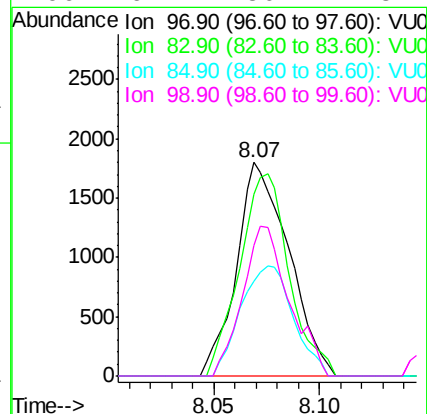
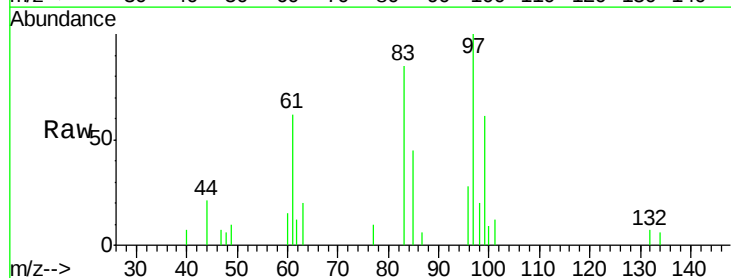
Ion Ratio Lower Upper

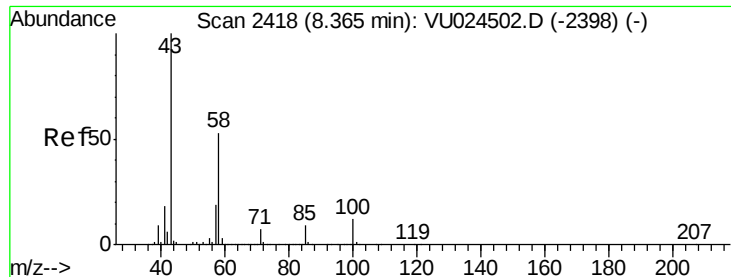
97 100

83 84.9 70.5 105.7

85 44.6 46.4 69.6#

99 61.1 50.2 75.2

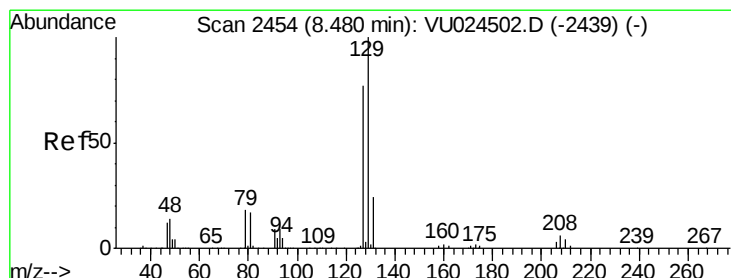
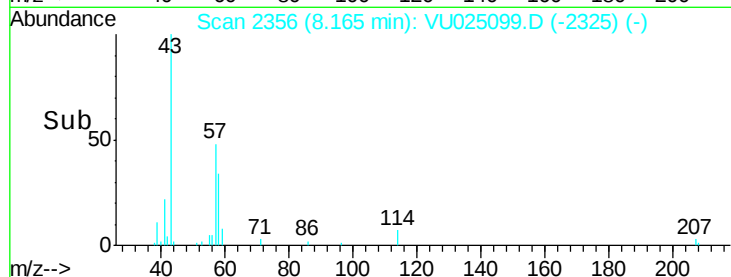
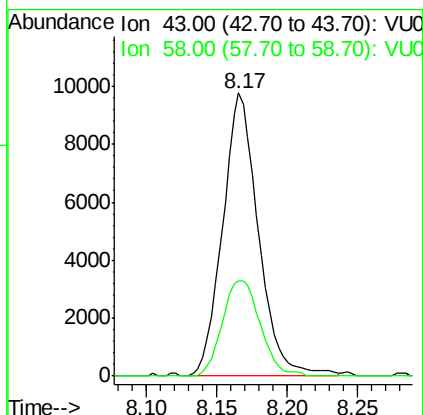
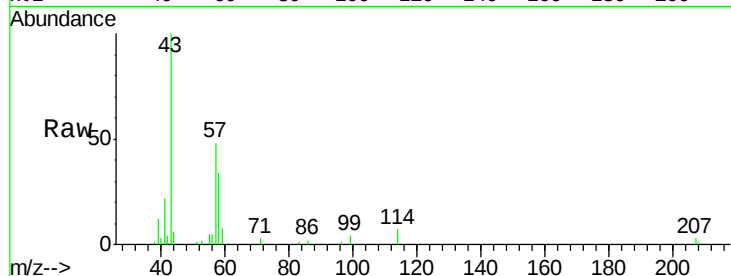




#59
2-Hexanone
Concen: 4.939 ug/l
RT: 8.17 min Scan# 2356
Delta R.T. -0.20 min
Lab File: VU025099.D
Acq: 30 Jun 2018 19:37

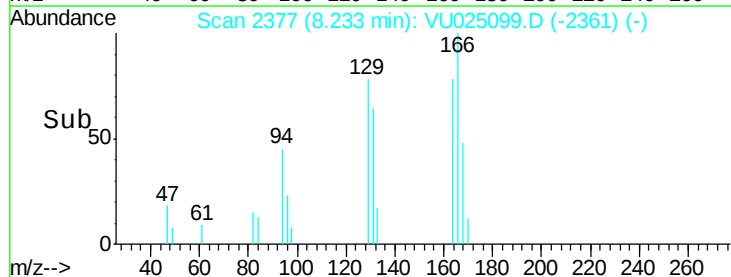
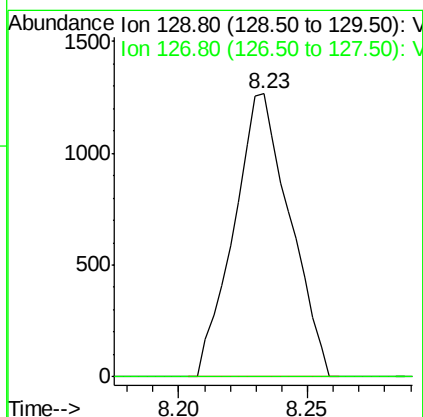
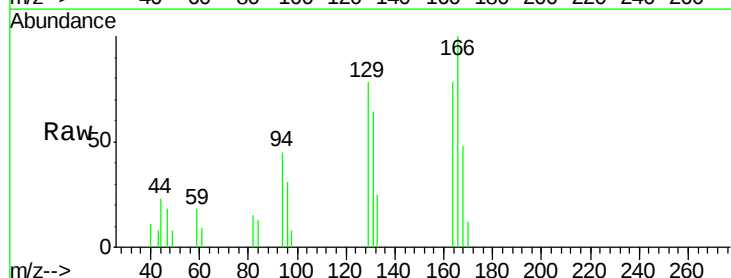
Instrument :
MSVOA_U
ClientSampleId :
WP021RW350-180625

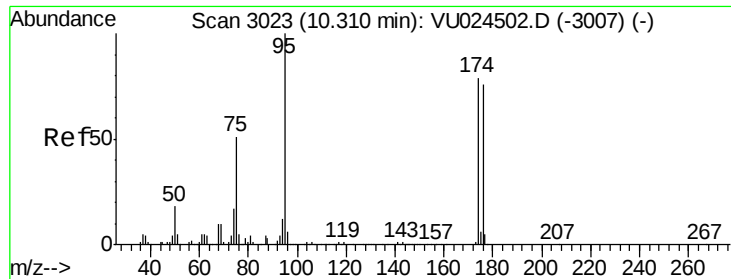
Tgt Ion: 43 Resp: 17334
Ion Ratio Lower Upper
43 100
58 35.7 26.4 79.0



#60
Dibromochloromethane
Concen: 0.568 ug/l
RT: 8.23 min Scan# 2377
Delta R.T. -0.25 min
Lab File: VU025099.D
Acq: 30 Jun 2018 19:37

Tgt Ion: 129 Resp: 1917
Ion Ratio Lower Upper
129 100
127 0.0 38.6 116.0#

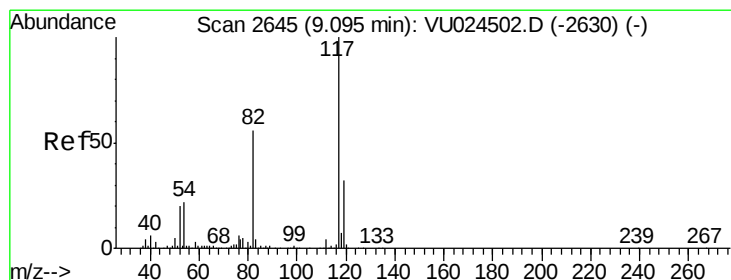
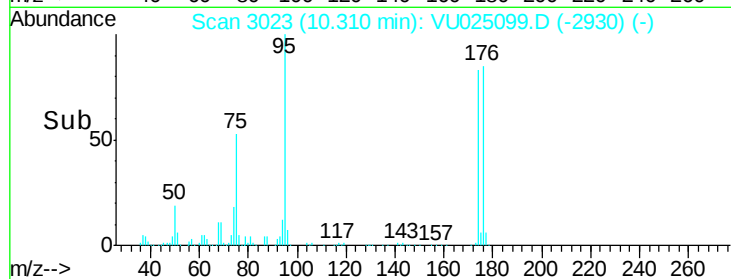
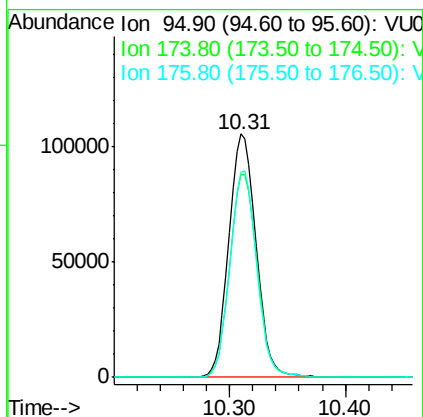
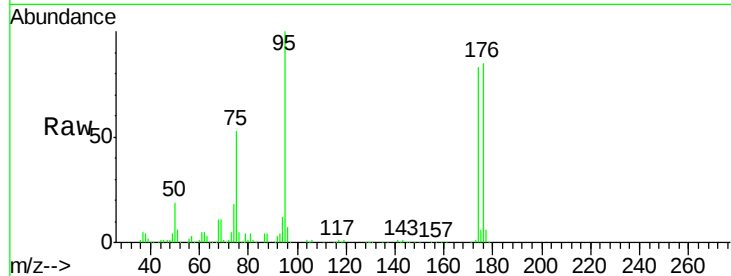




#62
4-Bromofluorobenzene
Concen: 46.058 ug/l
RT: 10.31 min Scan# 3023
Delta R.T. 0.00 min
Lab File: VU025099.D
Acq: 30 Jun 2018 19:37

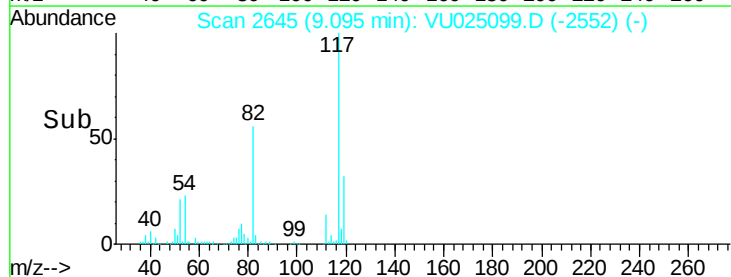
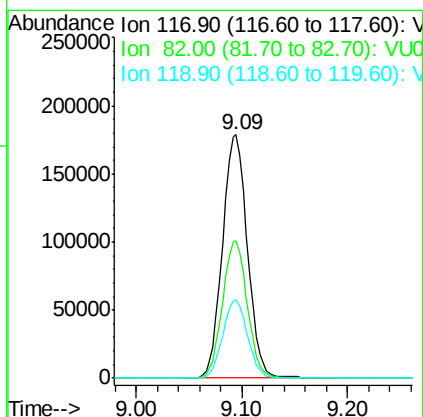
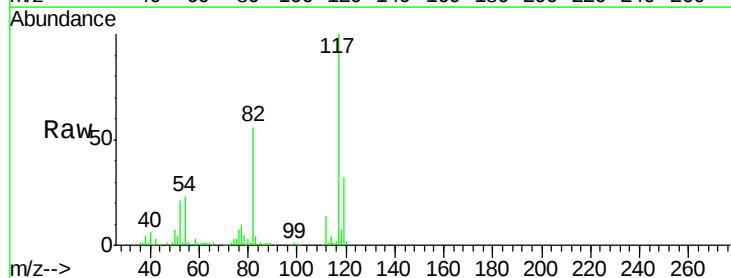
Instrument :
MSVOA_U
ClientSampleId :
WP021RW350-180625

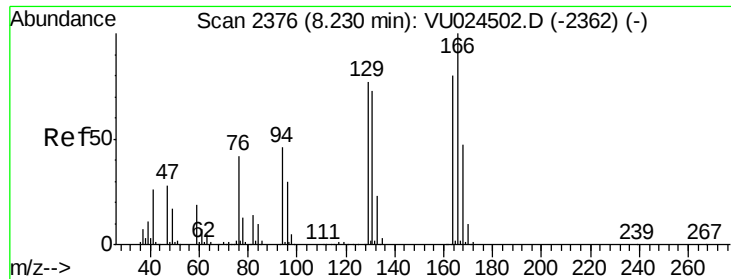
Tgt Ion	Ratio	Lower	Upper
95	100		
174	83.4	0.0	165.8
176	83.0	0.0	159.4



#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 9.09 min Scan# 2645
Delta R.T. 0.00 min
Lab File: VU025099.D
Acq: 30 Jun 2018 19:37

Tgt Ion	Ratio	Lower	Upper
117	100		
82	56.3	44.3	66.5
119	32.0	25.4	38.2





#64

Tetrachloroethene

Concen: 0.769 ug/l

RT: 8.23 min Scan# 2377

Delta R.T. 0.00 min

Lab File: VU025099.D

Acq: 30 Jun 2018 19:37

Instrument :

MSVOA_U

ClientSampleId :

WP021RW350-180625

Tgt Ion:164 Resp: 2137

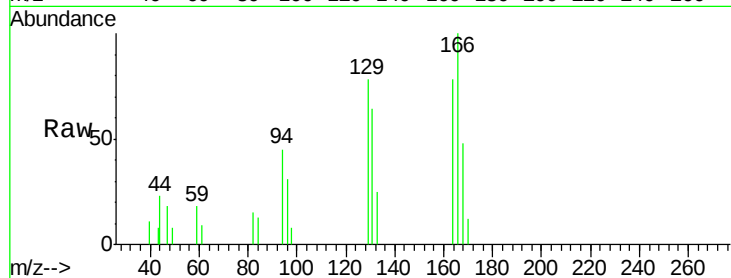
Ion Ratio Lower Upper

164 100

166 127.9 101.7 152.5

129 99.6 76.9 115.3

131 81.7 74.9 112.3

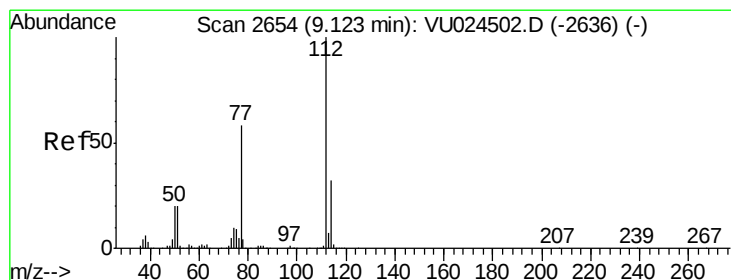
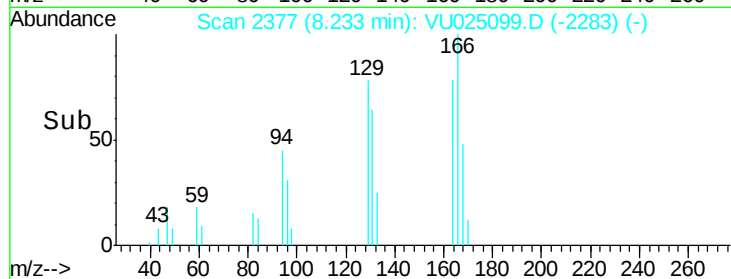
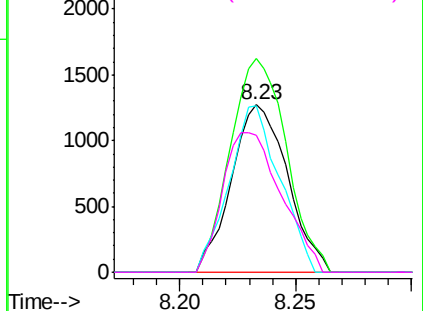


Abundance Ion 163.80 (163.50 to 164.50): V

Ion 165.80 (165.50 to 166.50): V

Ion 128.80 (128.50 to 129.50): V

Ion 130.80 (130.50 to 131.50): V



#65

Chlorobenzene

Concen: 185.350 ug/l

RT: 9.12 min Scan# 2654

Delta R.T. 0.00 min

Lab File: VU025099.D

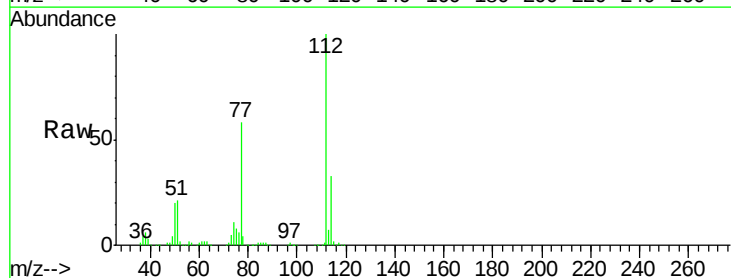
Acq: 30 Jun 2018 19:37

Tgt Ion:112 Resp: 1384872

Ion Ratio Lower Upper

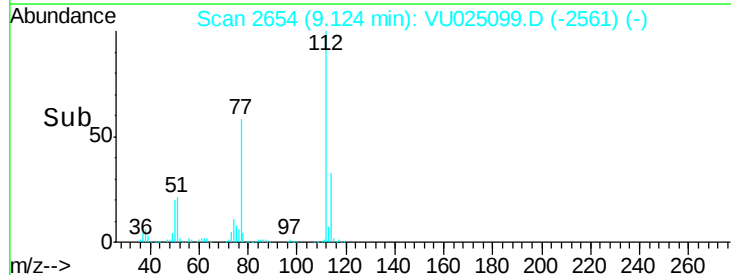
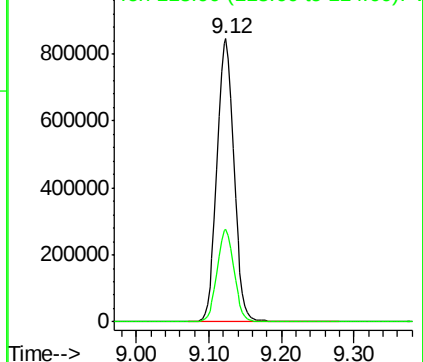
112 100

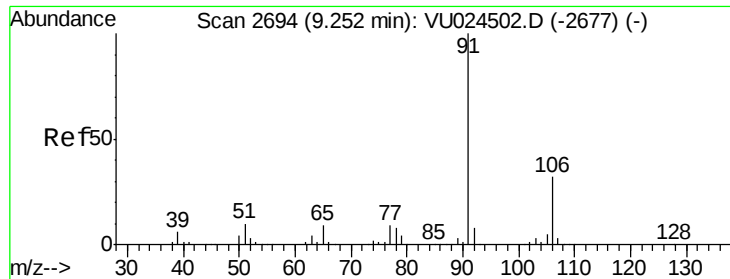
114 32.8 25.6 38.4



Abundance Ion 111.90 (111.60 to 112.60): V

Ion 113.90 (113.60 to 114.60): V





#67

Ethyl Benzene

Concen: 0.361 ug/l

RT: 9.26 min Scan# 2695

Delta R.T. 0.00 min

Lab File: VU025099.D

Acq: 30 Jun 2018 19:37

Instrument :

MSVOA_U

ClientSampleId :

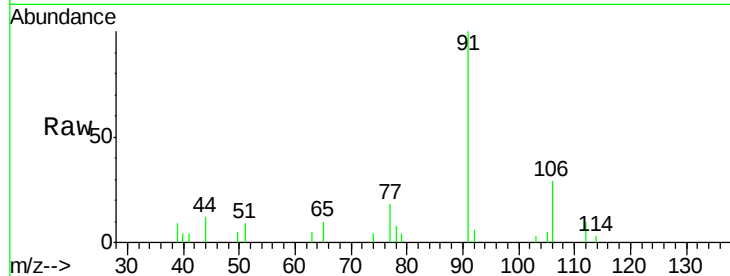
WP021RW350-180625

Tgt Ion: 91 Resp: 4726

Ion Ratio Lower Upper

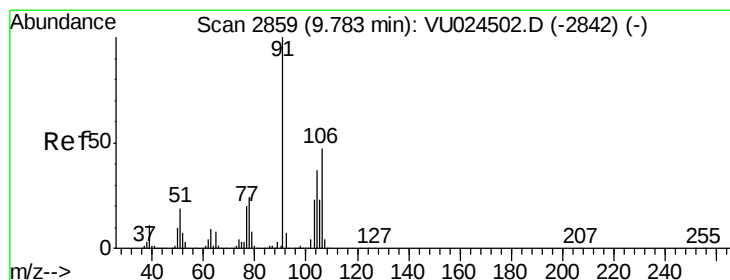
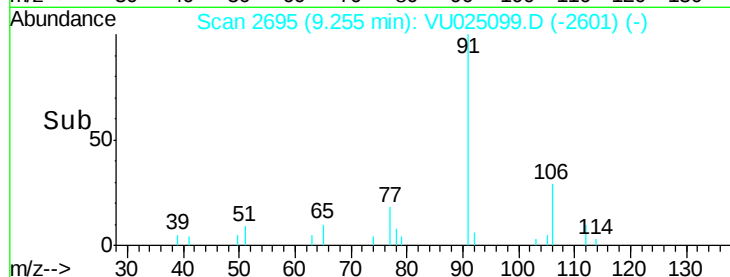
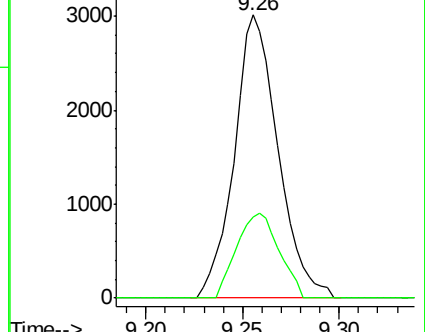
91 100

106 28.9 24.2 36.4



Abundance Ion 91.00 (90.70 to 91.70): VU024502.D (-2677) (-)

Ion 106.00 (105.70 to 106.70): VU024502.D (-2677) (-)



#69

o-Xylene

Concen: 1.587 ug/l

RT: 9.79 min Scan# 2860

Delta R.T. 0.00 min

Lab File: VU025099.D

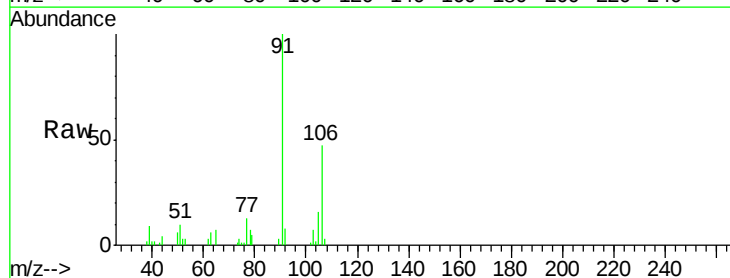
Acq: 30 Jun 2018 19:37

Tgt Ion: 106 Resp: 7898

Ion Ratio Lower Upper

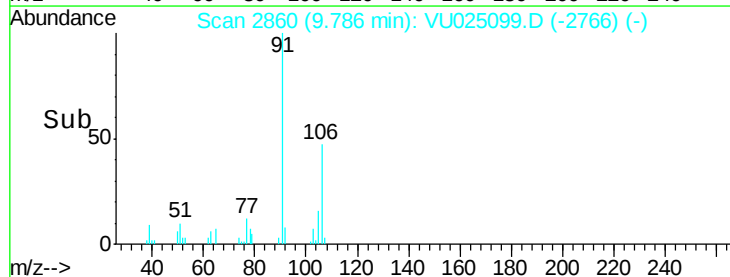
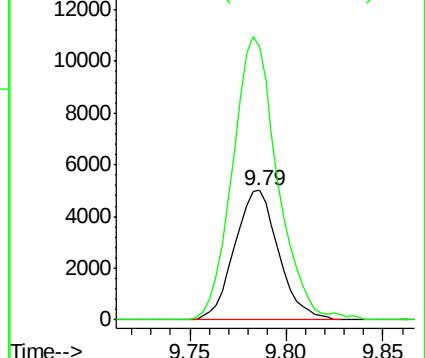
106 100

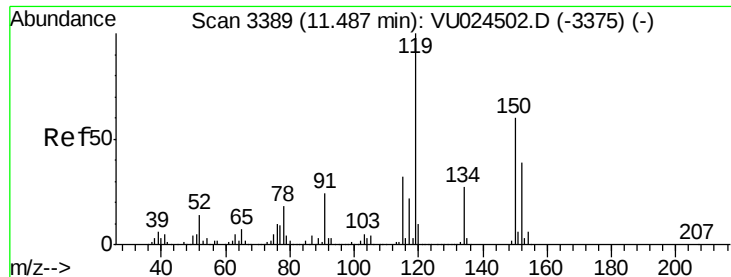
91 224.1 110.7 331.9



Abundance Ion 106.00 (105.70 to 106.70): VU024502.D (-2842) (-)

Ion 91.00 (90.70 to 91.70): VU024502.D (-2842) (-)





#72

1,4-Dichlorobenzene-d4

Concen: 50.000 ug/l

RT: 11.49 min Scan# 3389

Delta R.T. 0.00 min

Lab File: VU025099.D

Acq: 30 Jun 2018 19:37

Instrument :

MSVOA_U

ClientSampleId :

WP021RW350-180625

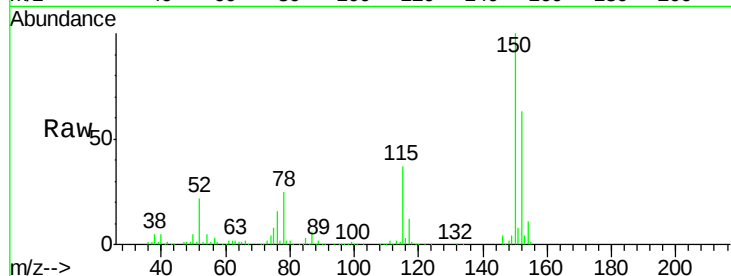
Tgt Ion:152 Resp: 160677

Ion Ratio Lower Upper

152 100

115 58.7 43.0 129.0

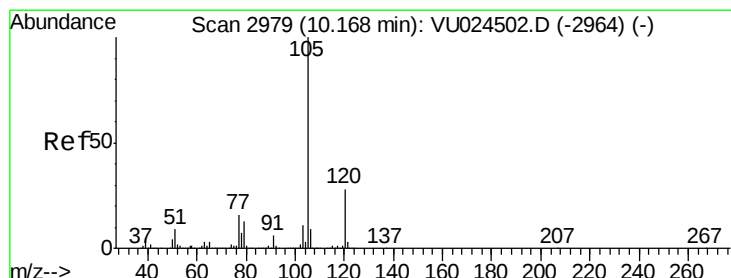
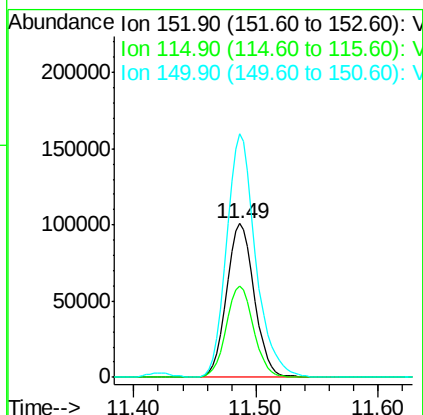
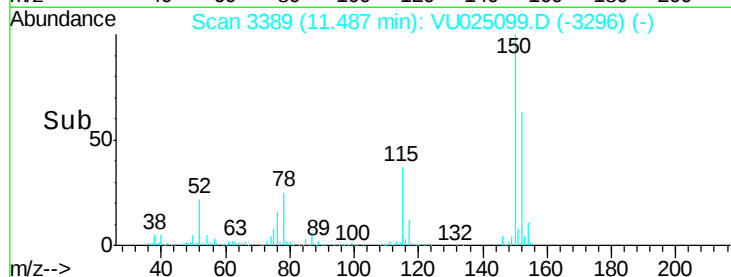
150 165.3 0.0 354.0



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: 1.145 ug/l

RT: 10.17 min Scan# 2980

Delta R.T. 0.00 min

Lab File: VU025099.D

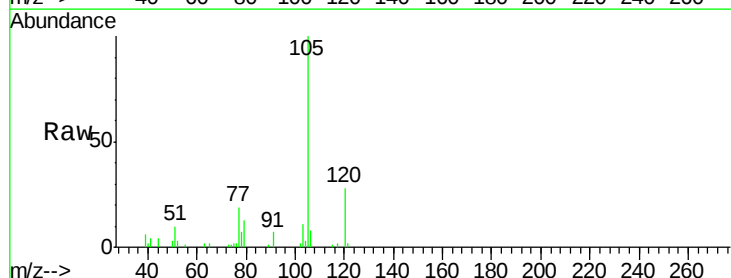
Acq: 30 Jun 2018 19:37

Tgt Ion:105 Resp: 14129

Ion Ratio Lower Upper

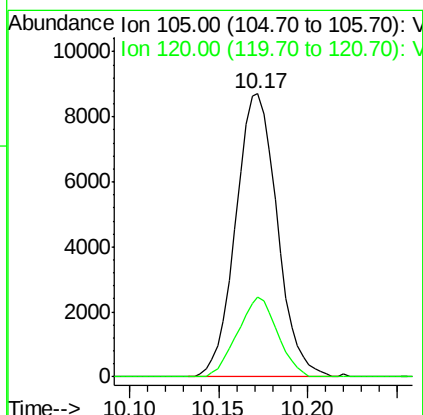
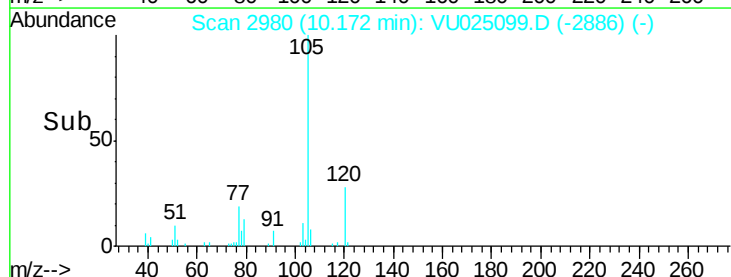
105 100

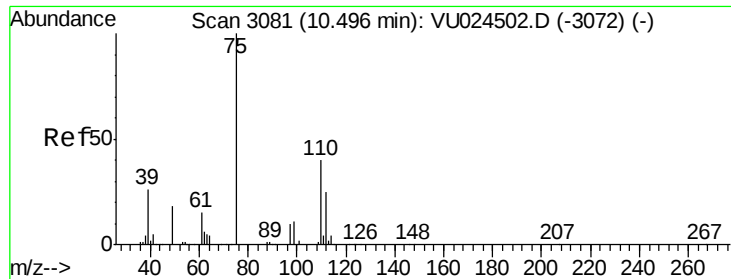
120 27.0 13.2 39.6



Abundance Ion 105.00 (104.70 to 105.70): V

Ion 120.00 (119.70 to 120.70): V





#76

1,2,3-Trichloropropane

Concen: 25.227 ug/l

RT: 10.31 min Scan# 3023

Delta R.T. -0.19 min

Lab File: VU025099.D

Acq: 30 Jun 2018 19:37

Instrument :

MSVOA_U

ClientSampleId :

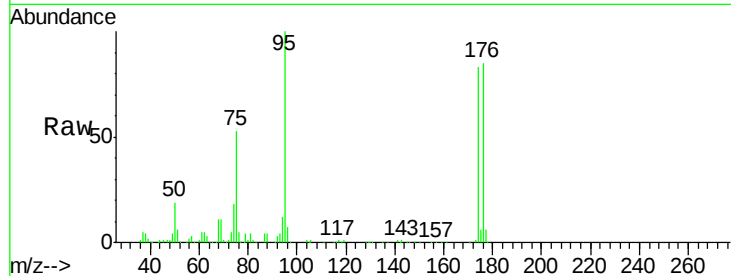
WP021RW350-180625

Tgt Ion: 75 Resp: 89240

Ion Ratio Lower Upper

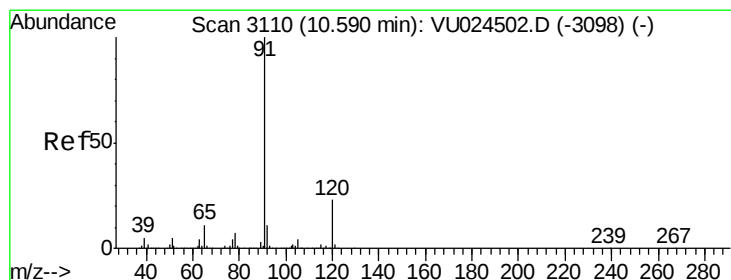
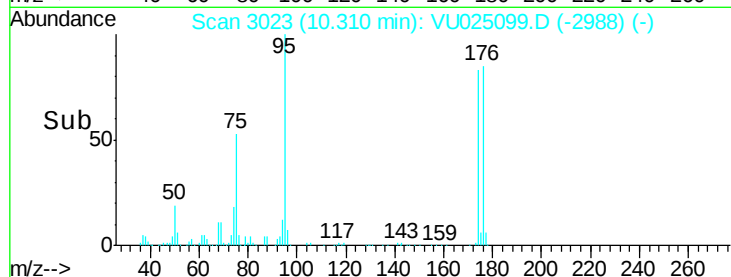
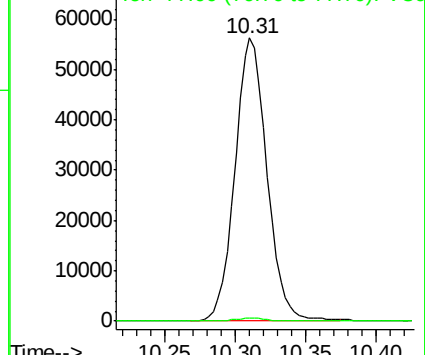
75 100

77 1.1 20.9 62.7#



Abundance Ion 74.90 (74.60 to 75.60): VU0

Ion 77.00 (76.70 to 77.70): VU0



#78

n-propylbenzene

Concen: 0.361 ug/l

RT: 10.59 min Scan# 3111

Delta R.T. 0.00 min

Lab File: VU025099.D

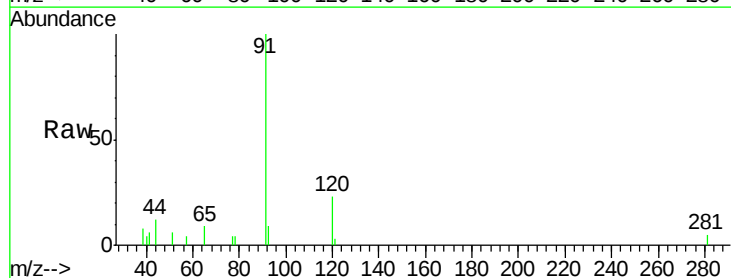
Acq: 30 Jun 2018 19:37

Tgt Ion: 91 Resp: 5252

Ion Ratio Lower Upper

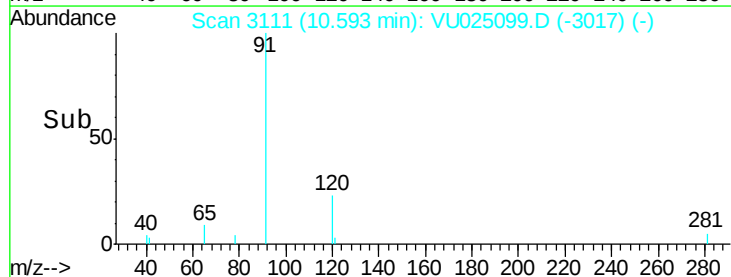
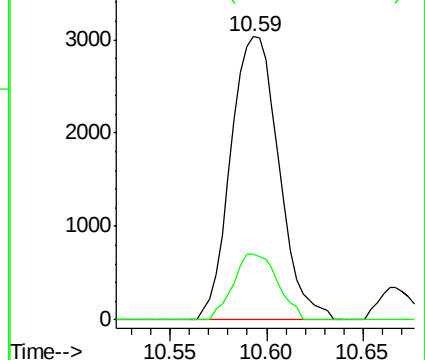
91 100

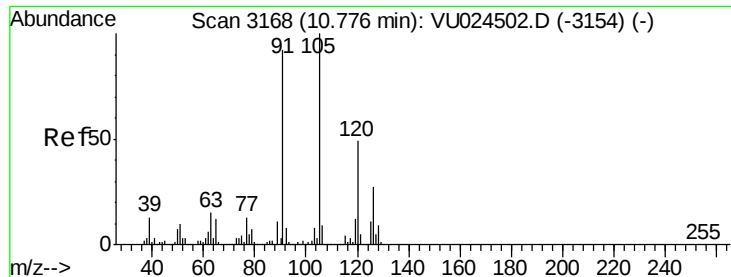
120 21.4 11.2 33.5



Abundance Ion 91.00 (90.70 to 91.70): VU0

Ion 120.00 (119.70 to 120.70): V





#80

1,3,5-Trimethylbenzene

Concen: 7.272 ug/l

RT: 10.98 min Scan# 3230

Delta R.T. 0.20 min

Lab File: VU025099.D

Acq: 30 Jun 2018 19:37

Instrument :

MSVOA_U

ClientSampleId :

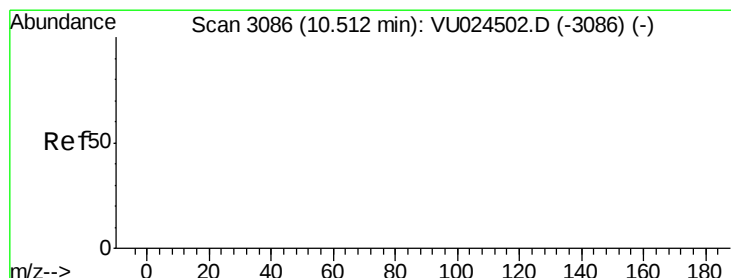
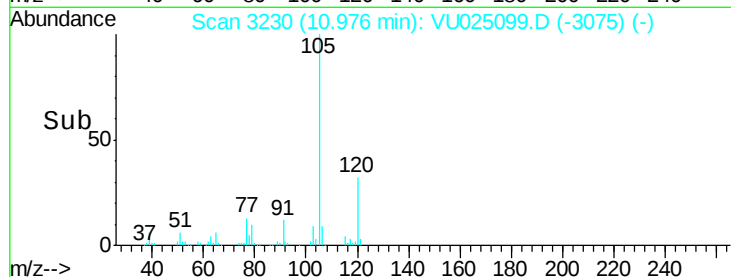
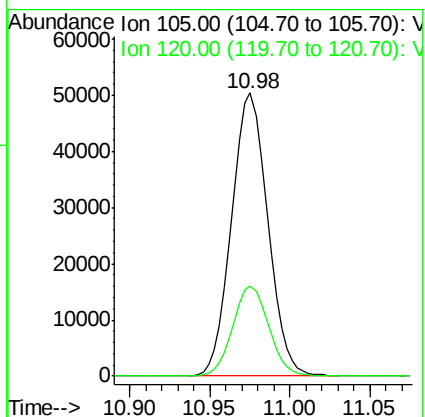
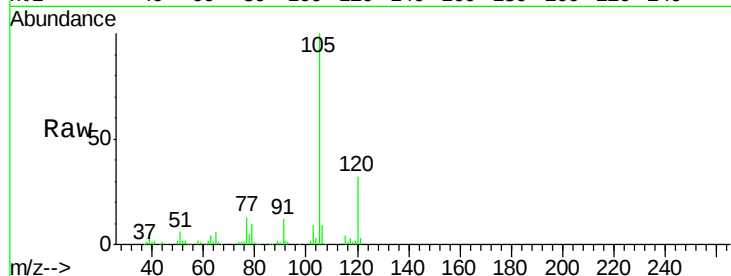
WP021RW350-180625

Tgt Ion:105 Resp: 77756

Ion Ratio Lower Upper

105 100

120 31.5 24.1 72.2



#81

trans-1,4-Dichloro-2-butene

Concen: 58.385 ug/l

RT: 10.31 min Scan# 3023

Delta R.T. -0.20 min

Lab File: VU025099.D

Acq: 30 Jun 2018 19:37

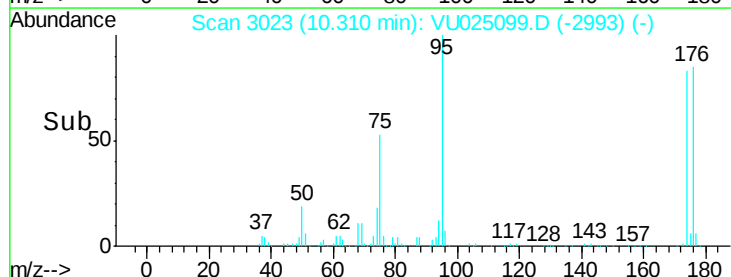
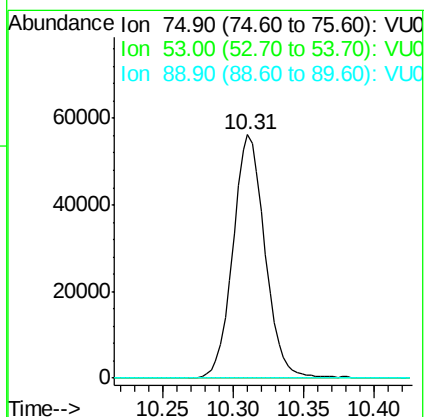
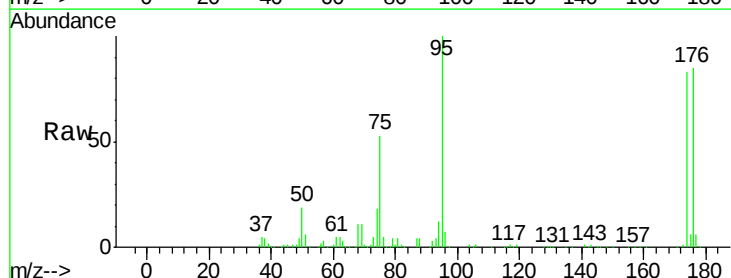
Tgt Ion: 75 Resp: 89240

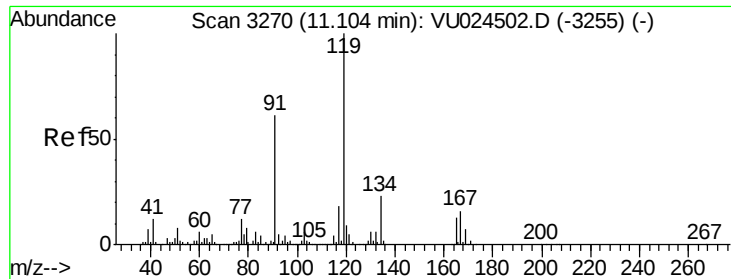
Ion Ratio Lower Upper

75 100

53 0.0 0.0 0.0

89 0.0 0.0 0.0

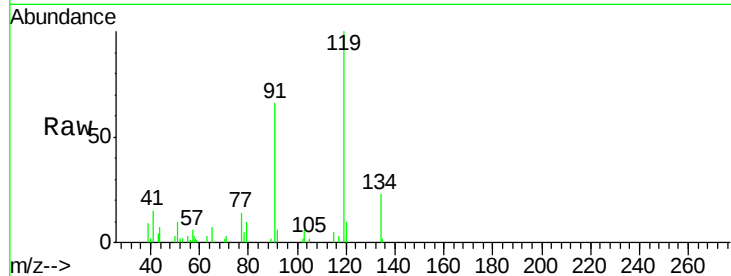




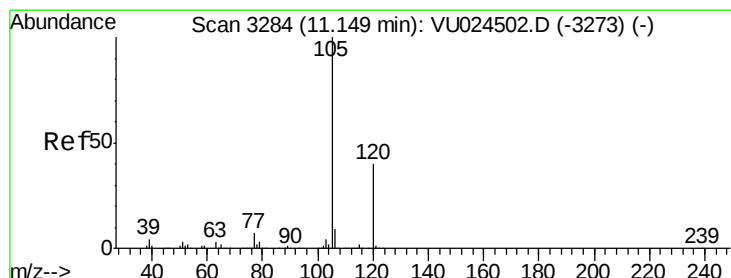
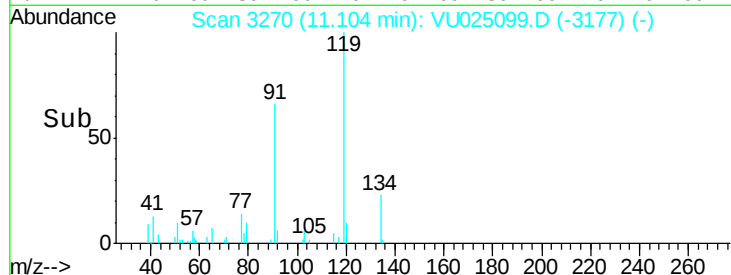
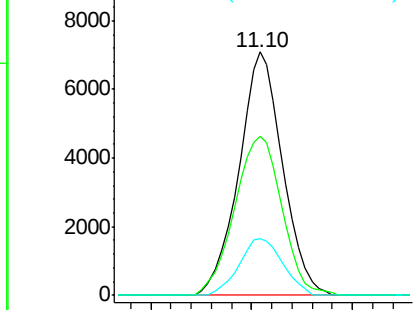
#83
 tert-Butylbenzene
 Concen: 1.042 ug/l
 RT: 11.10 min Scan# 3270
 Delta R.T. 0.00 min
 Lab File: VU025099.D
 Acq: 30 Jun 2018 19:37

Instrument :
 MSVOA_U
 ClientSampleId :
 WP021RW350-180625

Tgt Ion:119 Resp: 10717
 Ion Ratio Lower Upper
 119 100
 91 70.9 29.7 89.1
 134 23.4 11.6 34.7

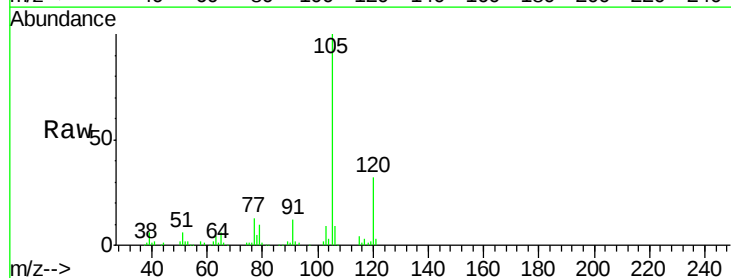


Abundance Ion 119.00 (118.70 to 119.70): V
 Ion 91.00 (90.70 to 91.70): V
 Ion 134.00 (133.70 to 134.70): V

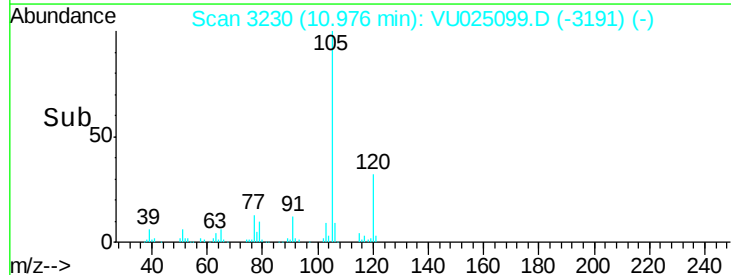
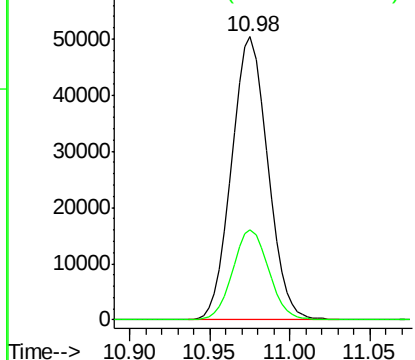


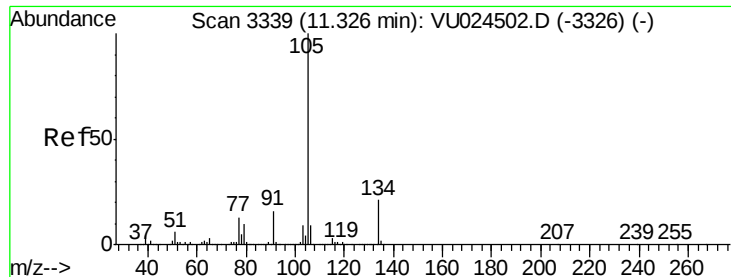
#84
 1,2,4-Trimethylbenzene
 Concen: 7.136 ug/l
 RT: 10.98 min Scan# 3230
 Delta R.T. -0.17 min
 Lab File: VU025099.D
 Acq: 30 Jun 2018 19:37

Tgt Ion:105 Resp: 77756
 Ion Ratio Lower Upper
 105 100
 120 31.5 22.6 67.8



Abundance Ion 105.00 (104.70 to 105.70): V
 Ion 120.00 (119.70 to 120.70): V

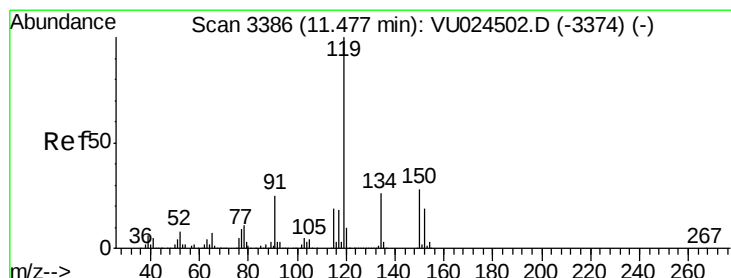
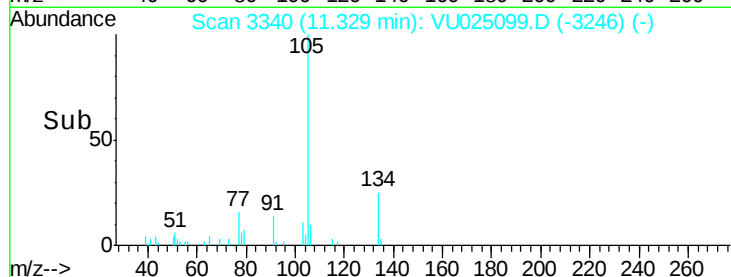
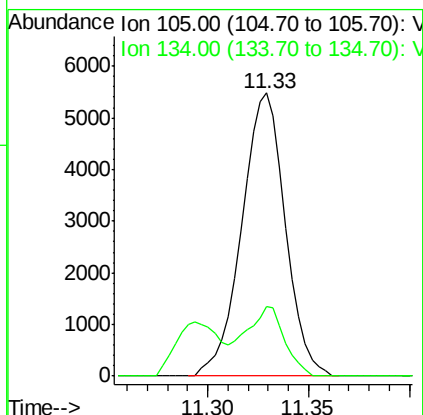
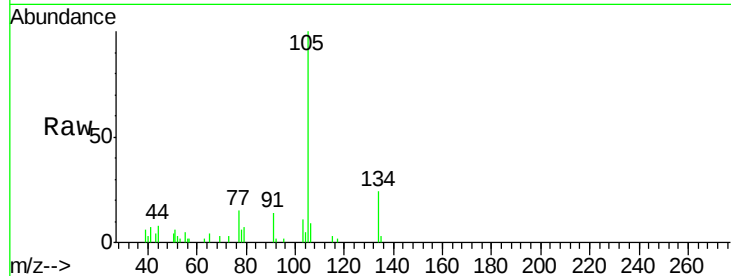




#85
 sec-Butylbenzene
 Concen: 0.644 ug/l
 RT: 11.33 min Scan# 3340
 Delta R.T. 0.00 min
 Lab File: VU025099.D
 Acq: 30 Jun 2018 19:37

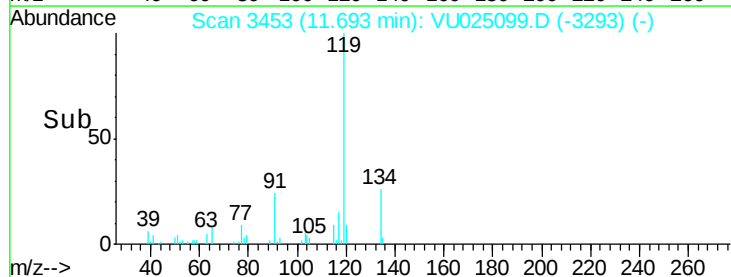
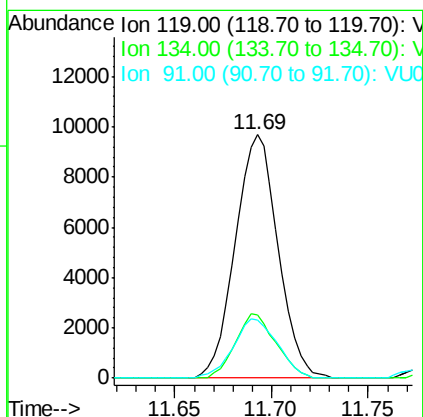
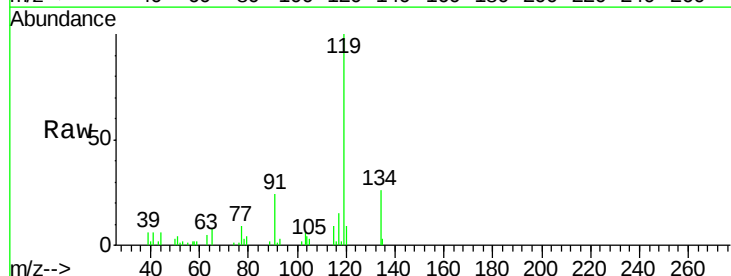
Instrument :
 MSVOA_U
 ClientSampleId :
 WP021RW350-180625

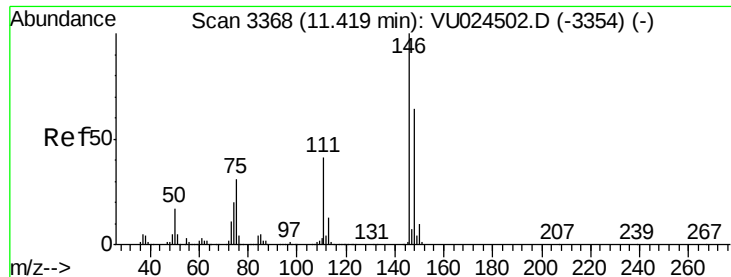
Tgt Ion:105 Resp: 8285
 Ion Ratio Lower Upper
 105 100
 134 22.3 9.7 29.1



#86
 p-Isopropyltoluene
 Concen: 1.287 ug/l
 RT: 11.69 min Scan# 3453
 Delta R.T. 0.22 min
 Lab File: VU025099.D
 Acq: 30 Jun 2018 19:37

Tgt Ion:119 Resp: 14840
 Ion Ratio Lower Upper
 119 100
 134 25.0 12.9 38.6
 91 25.2 12.0 36.1

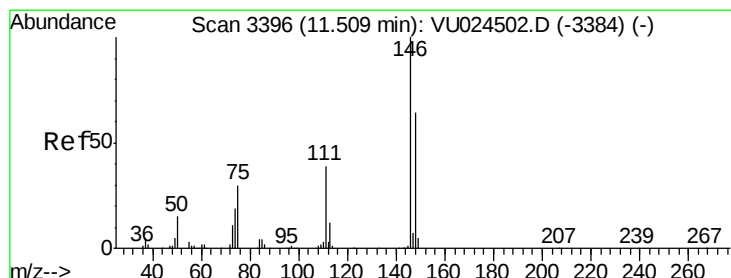
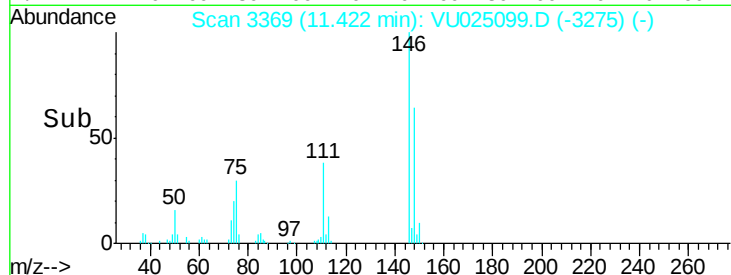
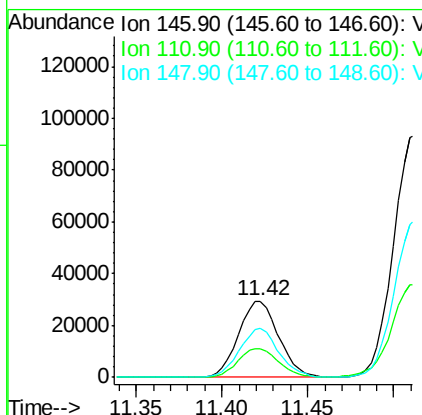
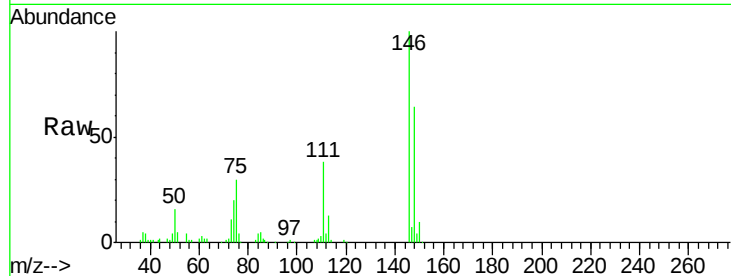




#87
 1,3-Dichlorobenzene
 Concen: 8.275 ug/l
 RT: 11.42 min Scan# 3369
 Delta R.T. 0.00 min
 Lab File: VU025099.D
 Acq: 30 Jun 2018 19:37

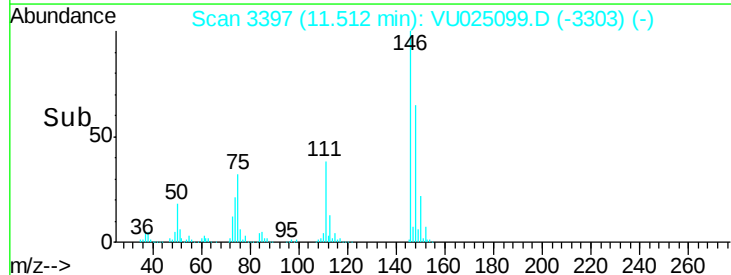
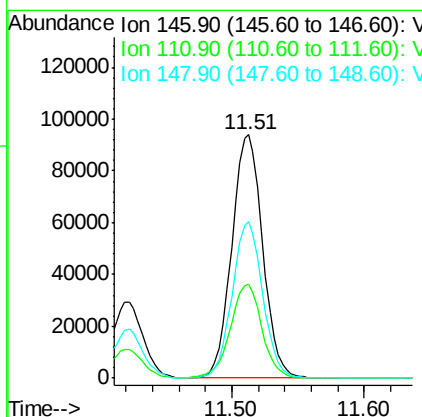
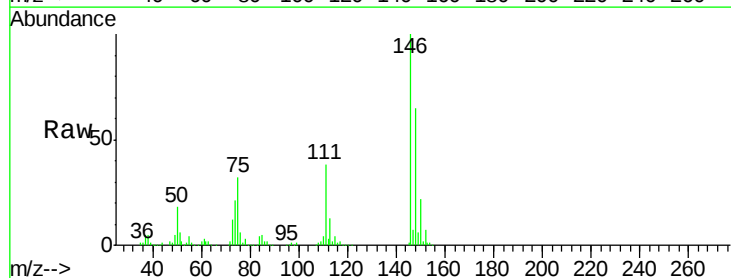
Instrument :
 MSVOA_U
 ClientSampleId :
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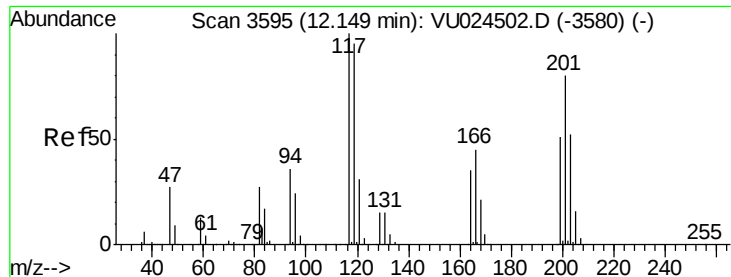
Tgt Ion:146 Resp: 47747
 Ion Ratio Lower Upper
 146 100
 111 38.3 20.0 60.0
 148 63.1 32.1 96.5



#88
 1,4-Dichlorobenzene
 Concen: 26.021 ug/l
 RT: 11.51 min Scan# 3397
 Delta R.T. 0.00 min
 Lab File: VU025099.D
 Acq: 30 Jun 2018 19:37

Tgt Ion:146 Resp: 151112
 Ion Ratio Lower Upper
 146 100
 111 39.3 19.5 58.5
 148 63.8 32.4 97.0

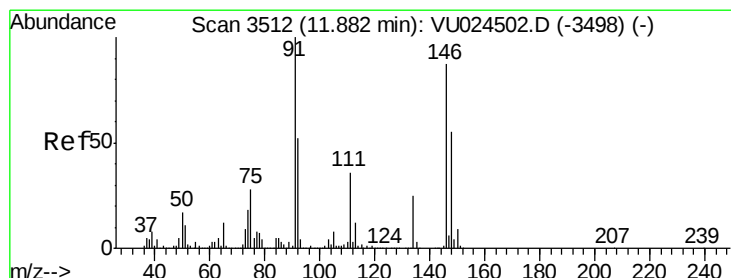
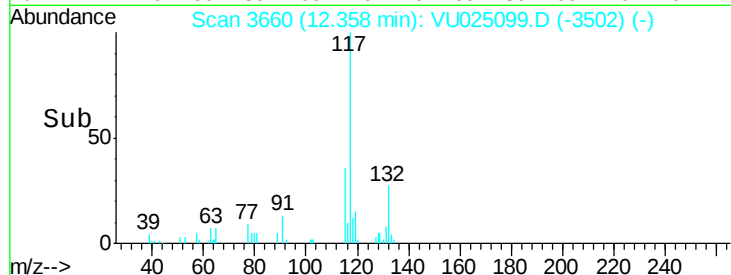
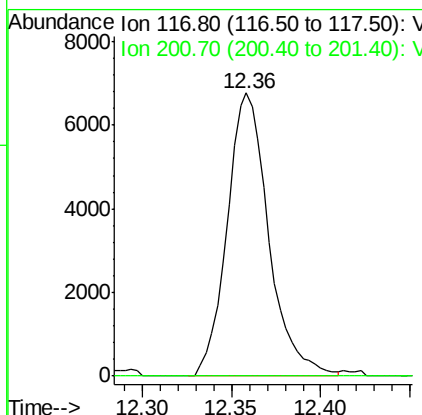
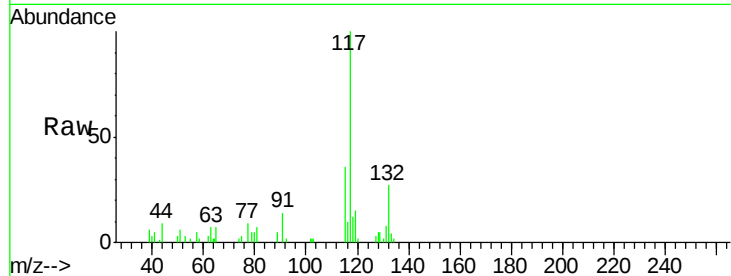




#90
Hexachloroethane
Concen: 4.882 ug/l
RT: 12.36 min Scan# 3660
Delta R.T. 0.21 min
Lab File: VU025099.D
Acq: 30 Jun 2018 19:37

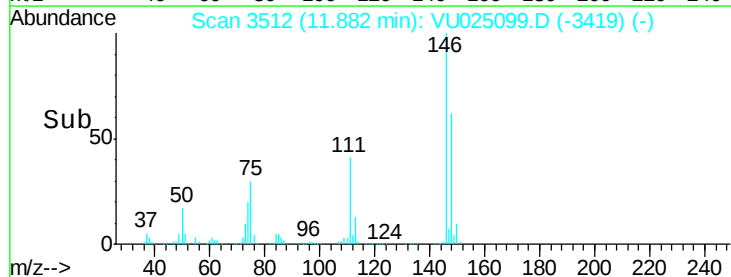
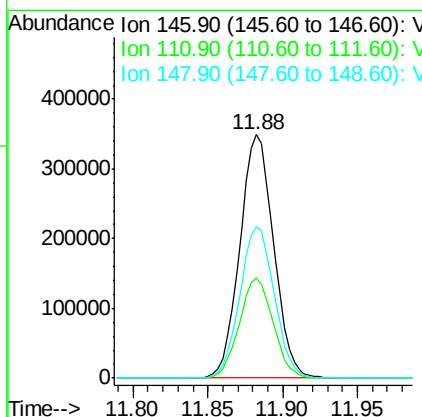
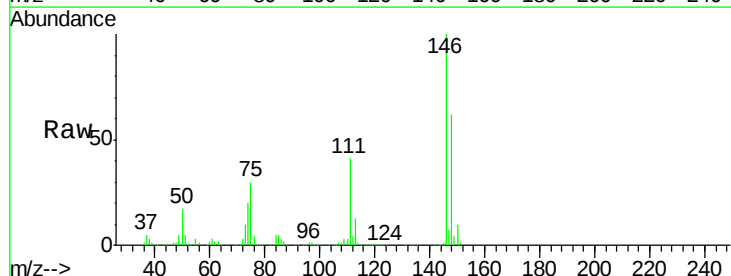
Instrument :
MSVOA_U
ClientSampleId :
WP021RW350-180625

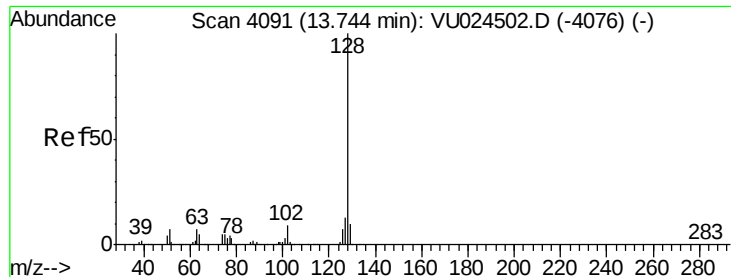
Tgt Ion:117 Resp: 10981
Ion Ratio Lower Upper
117 100
201 0.0 41.1 123.3#



#91
1,2-Dichlorobenzene
Concen: 95.068 ug/l
RT: 11.88 min Scan# 3512
Delta R.T. 0.00 min
Lab File: VU025099.D
Acq: 30 Jun 2018 19:37

Tgt Ion:146 Resp: 549422
Ion Ratio Lower Upper
146 100
111 41.4 20.5 61.6
148 63.4 31.9 95.7





#95

Naphthalene

Concen: 0.869 ug/l

RT: 13.75 min Scan# 4094

Delta R.T. 0.01 min

Lab File: VU025099.D

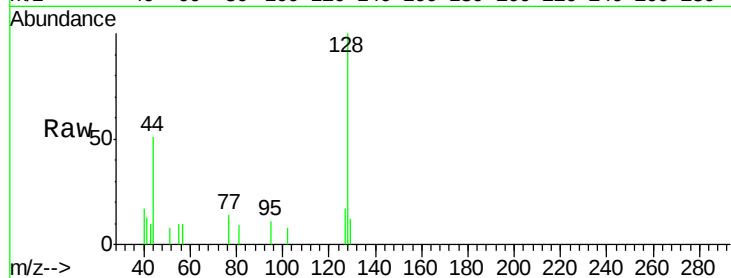
Acq: 30 Jun 2018 19:37

Instrument :

MSVOA_U

ClientSampleId :

WP021RW350-180625



Tgt Ion:128 Resp: 2274

Ion Ratio Lower Upper

128 100

127 11.1 10.6 16.0

129 3.8 8.6 12.8#

