

Data Path : Z:\VOASRV\HPCHEM1\MSVOA U\DATA\VU062318\
 Data File : VU024849.D
 Acq On : 22 Jun 2018 22:15
 Operator : MD/SY
 Sample : J3662-01
 Misc : 5.0mL/MSVOA U/WATER
 ALS Vial : 12 Sample Multiplier: 1

Instrument :
 MSVOA_U
 ClientSampleId :
 WP021RW246-180618

Quant Time: Jun 23 02:16:46 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	196884	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	5.89	114	299266	50.00	ug/l	0.00
63) Chlorobenzene-d5	9.09	117	280958	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	11.49	152	154067	50.00	ug/l	0.00

System Monitoring Compounds	R.T.	QIon	Response	Conc	Units	Dev(Min)
33) 1,2-Dichloroethane-d4	5.31	65	142497	44.33	ug/l	0.00
Spiked Amount			Recovery	=	88.66%	
35) Dibromofluoromethane	4.89	113	116144	46.76	ug/l	0.00
Spiked Amount			Recovery	=	93.52%	
50) Toluene-d8	7.57	98	438982	48.46	ug/l	0.00
Spiked Amount			Recovery	=	96.92%	
62) 4-Bromofluorobenzene	10.31	95	165464	46.00	ug/l	0.00
Spiked Amount			Recovery	=	92.00%	

Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
3) Chloromethane	1.33	50	811	0.32	ug/l	94
4) Vinyl Chloride	1.40	62	476815	183.64	ug/l	99
5) Bromomethane	1.64	94	445	0.35	ug/l	86
11) Tert butyl alcohol	2.82	59	12180	15.58	ug/l	95
12) 1,1-Dichloroethene	2.29	96	2421	1.08	ug/l #	64
13) Acrolein	2.21	56	287	0.70	ug/l #	13
16) Acetone	2.32	43	1668	0.97	ug/l #	88
20) Methylene Chloride	2.71	84	2209	0.82	ug/l	87
24) 1,1-Dichloroethane	3.45	63	11777	2.48	ug/l	95
27) cis-1,2-Dichloroethene	4.23	96	151087	53.22	ug/l	89
29) Tetrahydrofuran	4.65	42	1230	0.86	ug/l #	69
30) Chloroform	4.68	83	1487	0.31	ug/l #	80
31) Cyclohexane	4.99	56	4551	Below Cal	#	1
36) 1,1-Dichloropropene	4.99	75	15097	4.29	ug/l #	50
38) Carbon Tetrachloride	4.99	117	18820	4.87	ug/l #	17
39) Methylcyclohexane	6.42	83	1718	0.39	ug/l #	86
40) Benzene	5.39	78	197892	19.75	ug/l	100
42) 1,2-Dichloroethane	5.40	62	2506	0.66	ug/l #	77
44) Trichloroethene	6.19	130	3082	1.08	ug/l	99
49) 1,4-Dioxane	6.62	88	1834	29.07	ug/l #	92
51) 4-Methyl-2-Pentanone	7.47	43	864	0.21	ug/l #	37
52) Toluene	7.64	92	6452	1.00	ug/l	98
59) 2-Hexanone	8.17	43	7708	2.27	ug/l	73
65) Chlorobenzene	9.12	112	2226671	310.23	ug/l	99
73) Isopropylbenzene	10.17	105	6794	0.57	ug/l	98
76) 1,2,3-Trichloropropane	10.31	75	84723	24.98	ug/l #	36
78) n-propylbenzene	10.60	91	3481	0.25	ug/l	96
80) 1,3,5-Trimethylbenzene	10.98	105	2149	0.21	ug/l	71
81) trans-1,4-Dichloro-2-buten	10.31	75	84723	57.81	ug/l #	100
83) tert-Butylbenzene	11.10	119	30942	3.14	ug/l	93
84) 1,2,4-Trimethylbenzene	10.98	105	2149	0.21	ug/l	75
85) sec-Butylbenzene	11.33	105	24553	1.99	ug/l	94
86) p-Isopropyltoluene	11.69	119	33618	3.04	ug/l	95
87) 1,3-Dichlorobenzene	11.42	146	10627	1.92	ug/l	99

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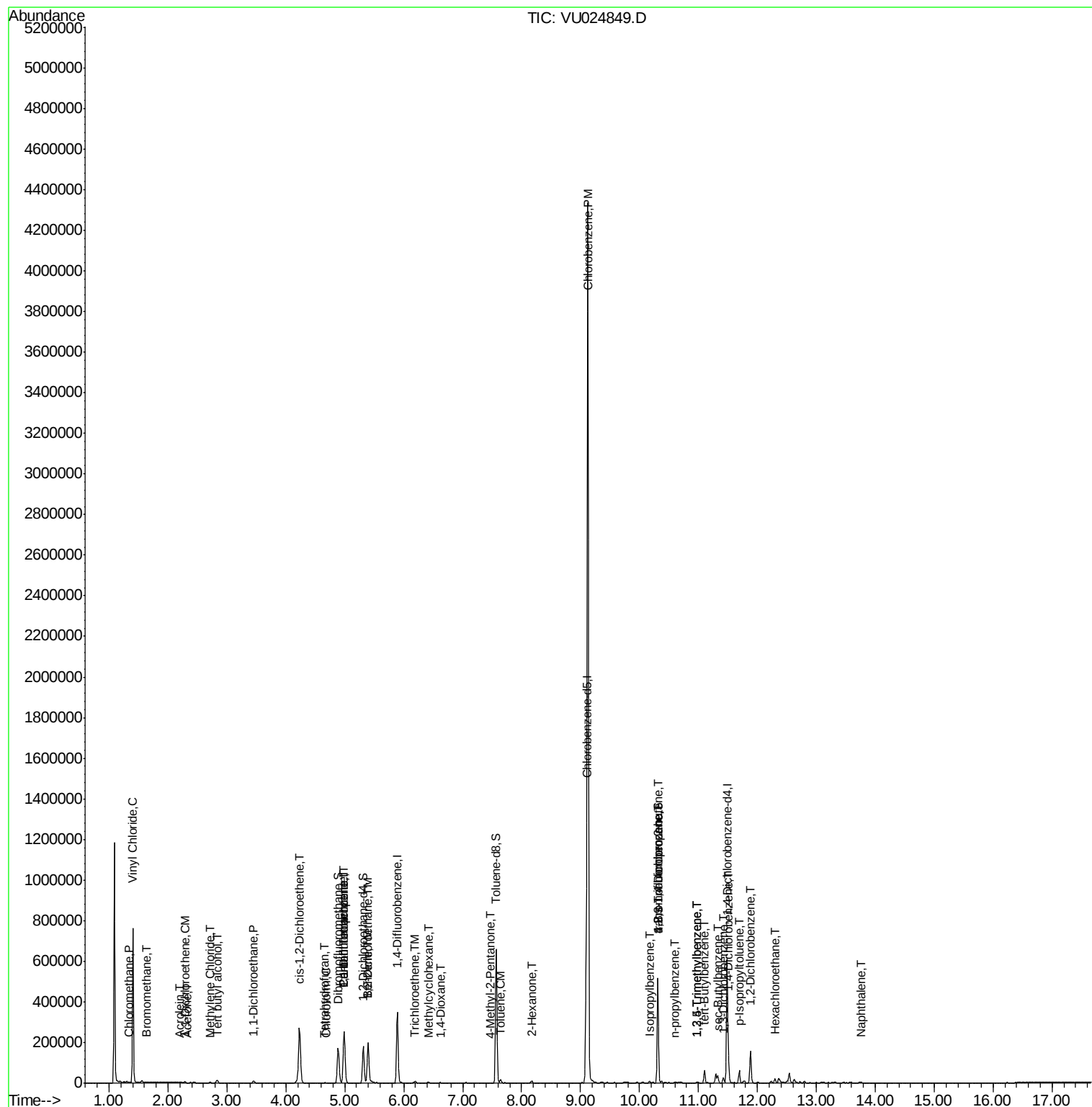
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
88) 1,4-Dichlorobenzene	11.51	146	29368	5.27	ug/l	96
90) Hexachloroethane	12.29	117	869	0.40	ug/l #	8
91) 1,2-Dichlorobenzene	11.88	146	62944	11.36	ug/l	98
95) Naphthalene	13.75	128	4726	1.09	ug/l	97

(#) = 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: VU024849.D

Acq: 22 Jun 2018 22:15

Instrument :

MSVOA_U

ClientSampleId :

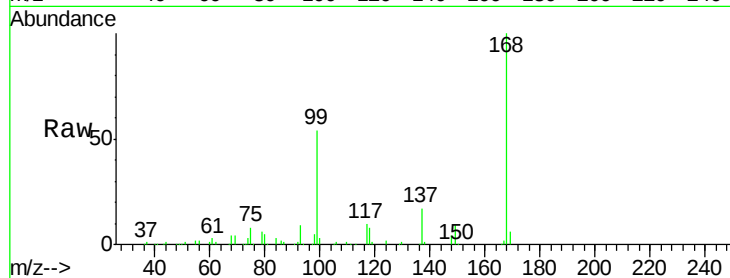
WP021RW246-180618

Tot Ion:168 Resp: 196884

Ion Ratio Lower Upper

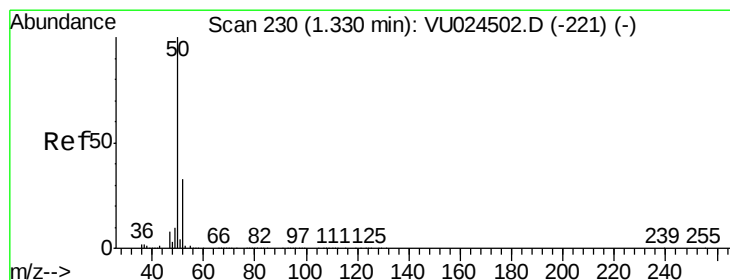
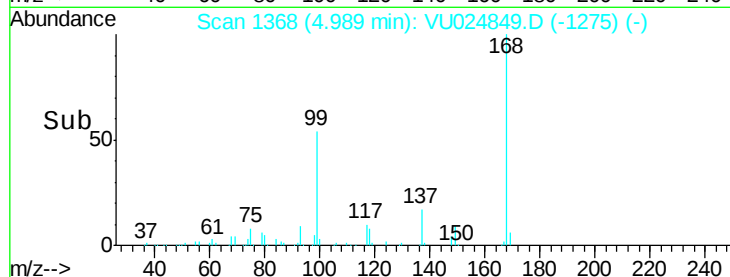
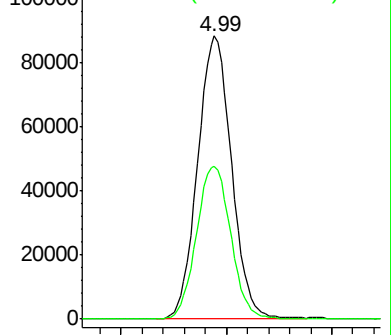
168 100

99 54.1 43.2 64.8



Abundance Ion 167.90 (167.60 to 168.60): V

Ion 98.90 (98.60 to 99.60): VU0



#3

Chloromethane

Concen: 0.32 ug/l

RT: 1.33 min Scan# 230

Delta R.T. 0.00 min

Lab File: VU024849.D

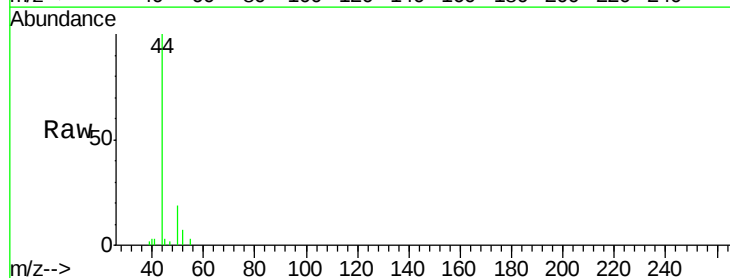
Acq: 22 Jun 2018 22:15

Tgt Ion: 50 Resp: 811

Ion Ratio Lower Upper

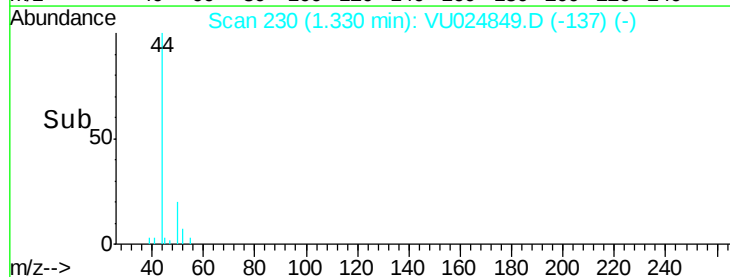
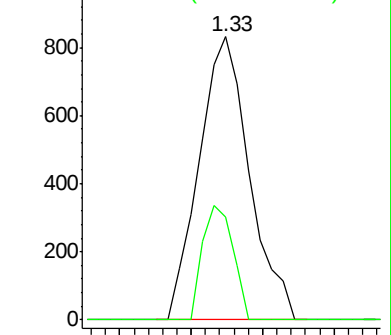
50 100

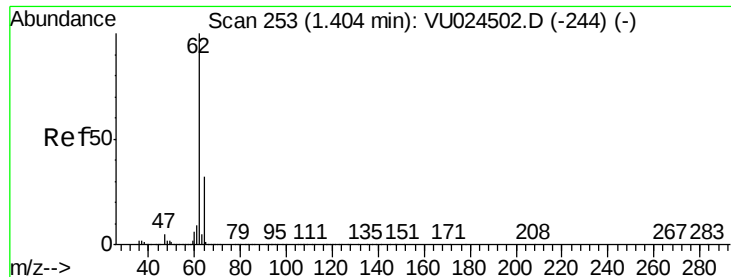
52 36.5 26.4 39.6



Abundance Ion 49.90 (49.60 to 50.60): VU0

Ion 51.90 (51.60 to 52.60): VU0





#4

Vinyl Chloride

Concen: 183.64 ug/l

RT: 1.40 min Scan# 253

Delta R.T. 0.00 min

Lab File: VU024849.D

Acq: 22 Jun 2018 22:15

Instrument :

MSVOA_U

ClientSampleId :

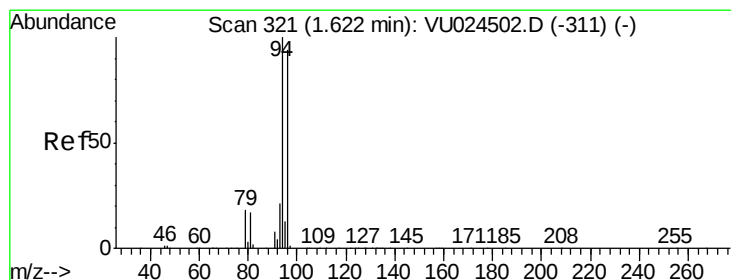
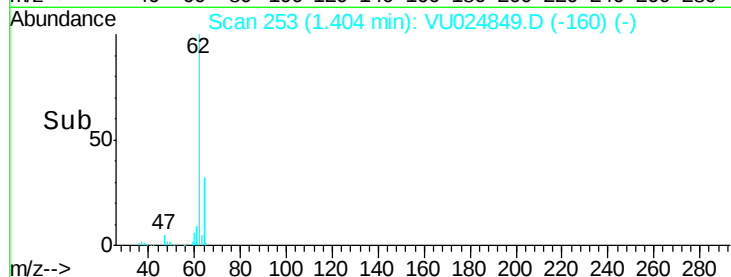
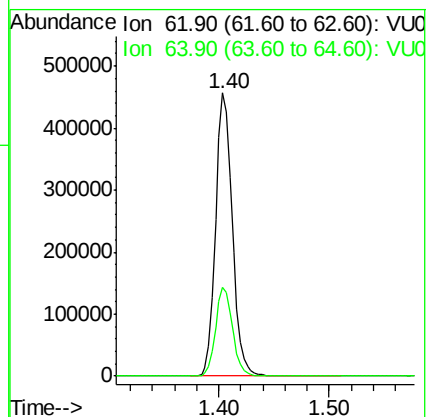
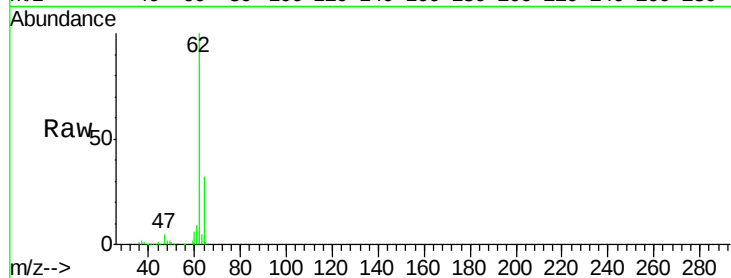
WP021RW246-180618

Tot Ion: 62 Resp: 476815

Ion Ratio Lower Upper

62 100

64 31.6 24.8 37.2



#5

Bromomethane

Concen: 0.35 ug/l

RT: 1.64 min Scan# 326

Delta R.T. 0.02 min

Lab File: VU024849.D

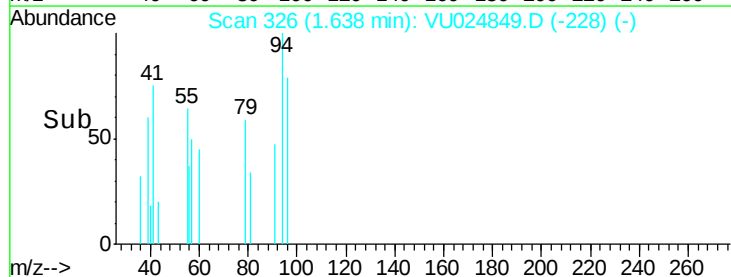
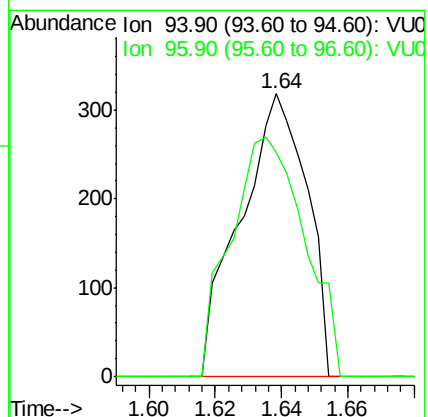
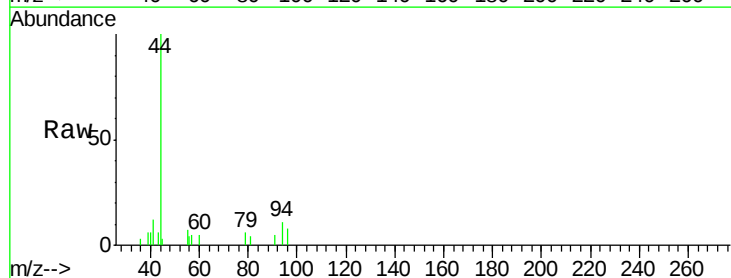
Acq: 22 Jun 2018 22:15

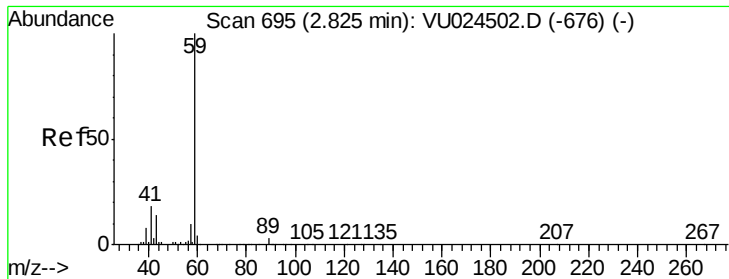
Tgt Ion: 94 Resp: 445

Ion Ratio Lower Upper

94 100

96 79.2 74.5 111.7



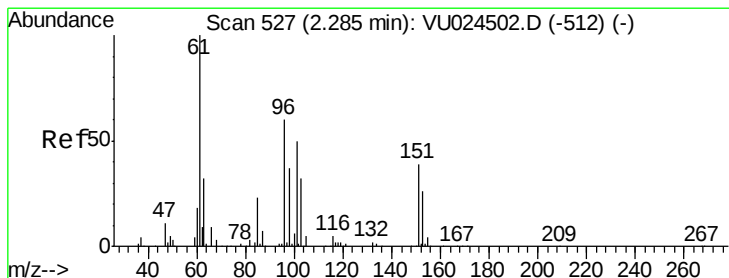
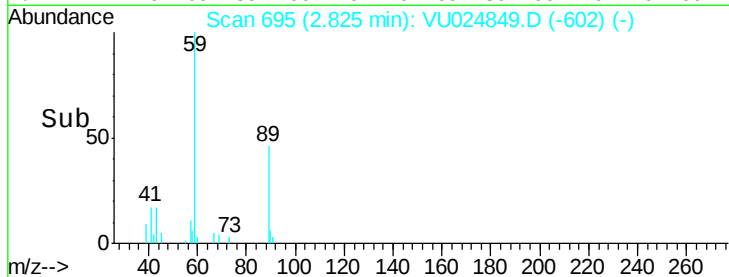
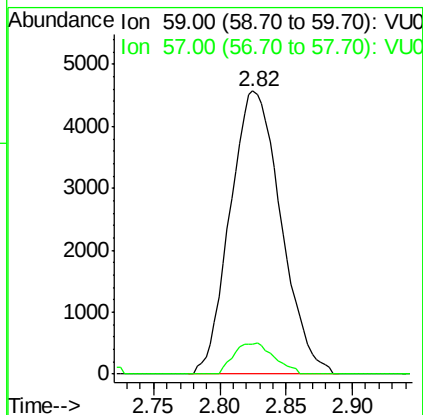
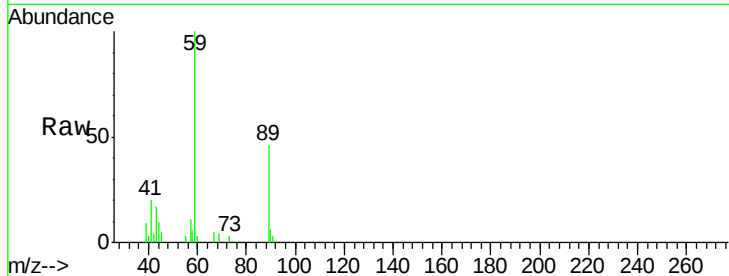


#11

Tert butyl alcohol
 Concen: 15.58 ug/l
 RT: 2.82 min Scan# 695
 Delta R.T. 0.00 min
 Lab File: VU024849.D
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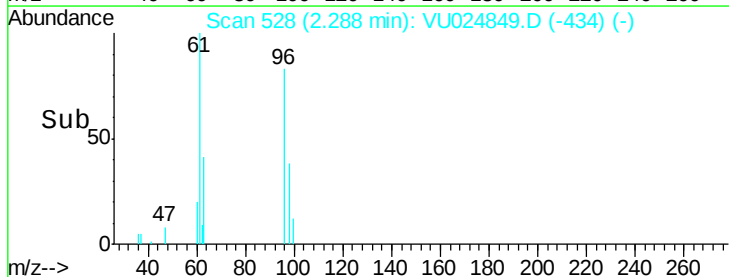
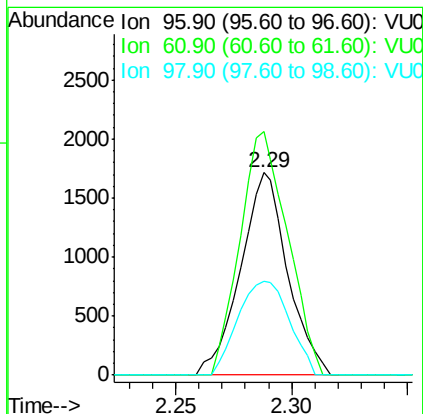
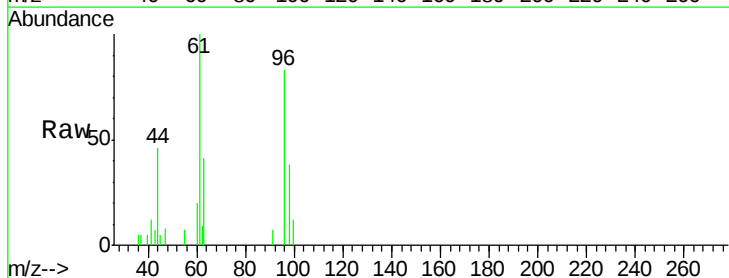
Tot Ion: 59 Resp: 12180
 Ion Ratio Lower Upper
 59 100
 57 8.8 8.5 12.7

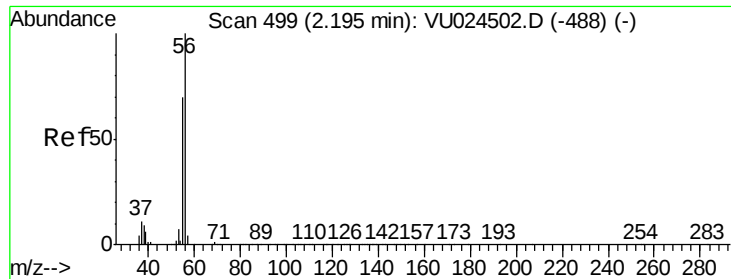


#12

1,1-Dichloroethene
 Concen: 1.08 ug/l
 RT: 2.29 min Scan# 528
 Delta R.T. 0.00 min
 Lab File: VU024849.D
 Acq: 22 Jun 2018 22:15

Tgt Ion: 96 Resp: 2421
 Ion Ratio Lower Upper
 96 100
 61 120.5 141.7 212.5#
 98 46.2 51.6 77.4#





#13

Acrolein

Concen: 0.70 ug/l

RT: 2.21 min Scan# 504

Delta R.T. 0.02 min

Lab File: VU024849.D

Acq: 22 Jun 2018 22:15

Instrument :

MSVOA_U

ClientSampleId :

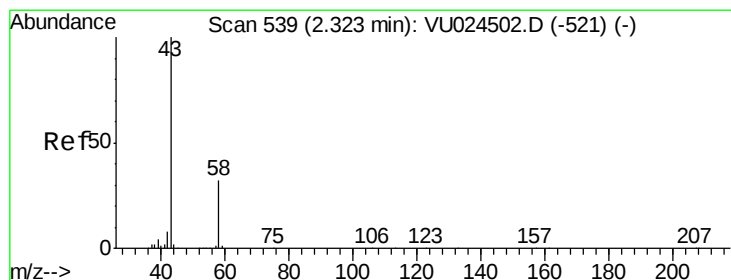
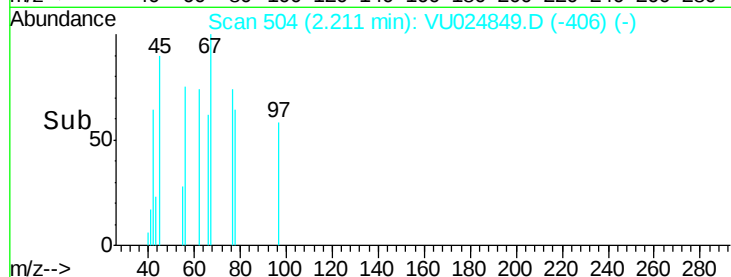
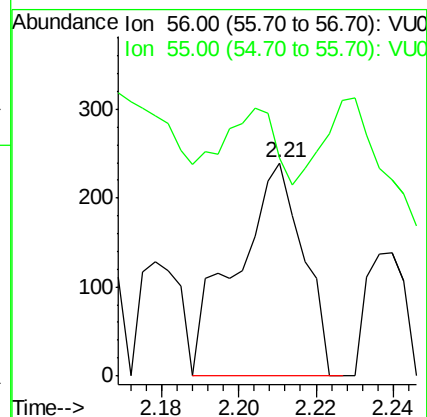
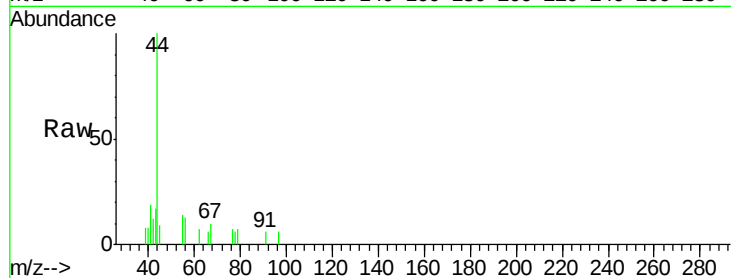
WP021RW246-180618

Tot Ion: 56 Resp: 287

Ion Ratio Lower Upper

56 100

55 0.0 58.4 87.6#



#16

Acetone

Concen: 0.97 ug/l

RT: 2.32 min Scan# 539

Delta R.T. 0.00 min

Lab File: VU024849.D

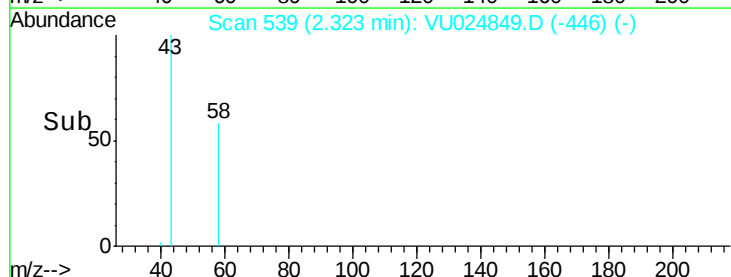
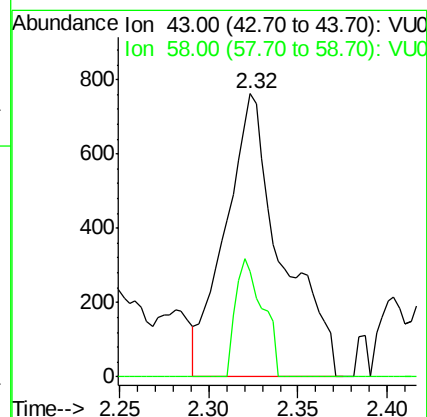
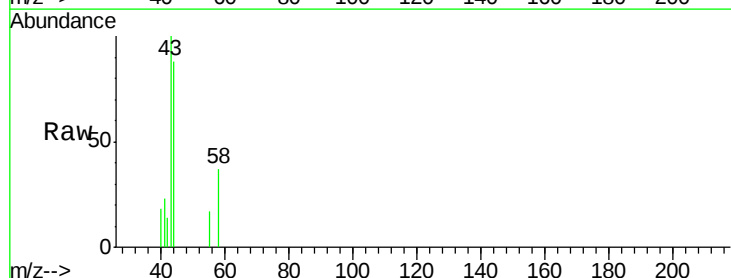
Acq: 22 Jun 2018 22:15

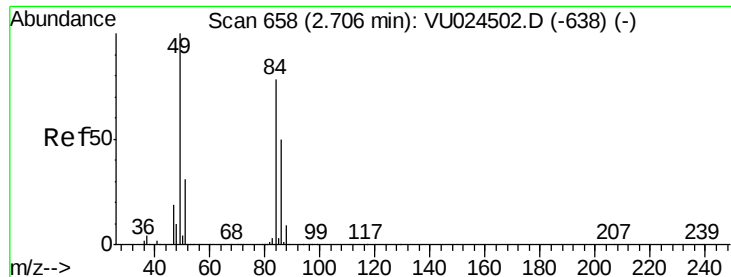
Tgt Ion: 43 Resp: 1668

Ion Ratio Lower Upper

43 100

58 37.3 24.4 36.6#





#20

Methylene Chloride

Concen: 0.82 ug/l

RT: 2.71 min Scan# 658

Delta R.T. 0.00 min

Lab File: VU024849.D

Acq: 22 Jun 2018 22:15

Instrument :

MSVOA_U

ClientSampleId :

WP021RW246-180618

Tot Ion: 84 Resp: 2209

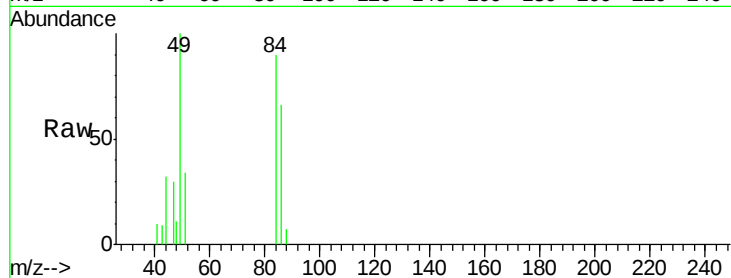
Ion Ratio Lower Upper

84 100

49 110.6 103.8 155.8

51 37.5 32.0 48.0

86 73.0 51.6 77.4

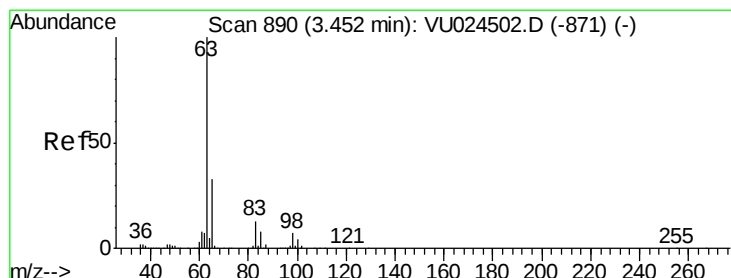
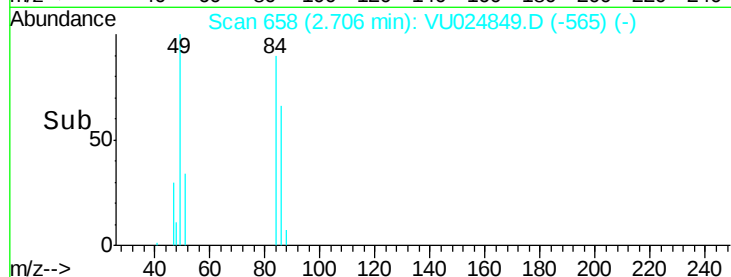
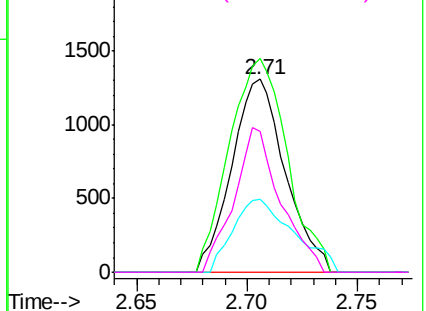


Abundance Ion 83.90 (83.60 to 84.60): VU0

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



#24

1,1-Dichloroethane

Concen: 2.48 ug/l

RT: 3.45 min Scan# 889

Delta R.T. -0.00 min

Lab File: VU024849.D

Acq: 22 Jun 2018 22:15

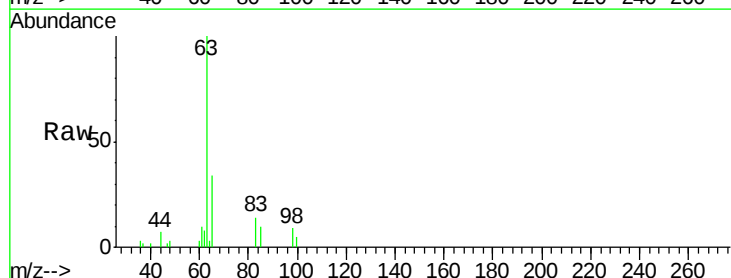
Tgt Ion: 63 Resp: 11777

Ion Ratio Lower Upper

63 100

98 9.0 3.5 10.4

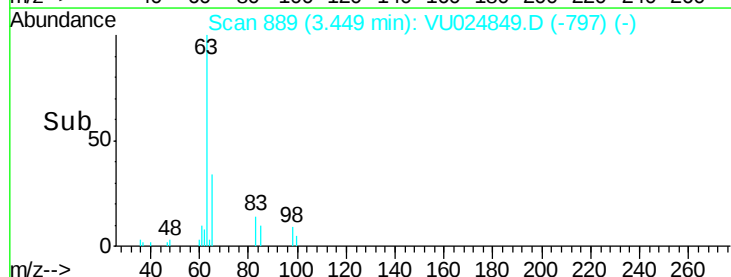
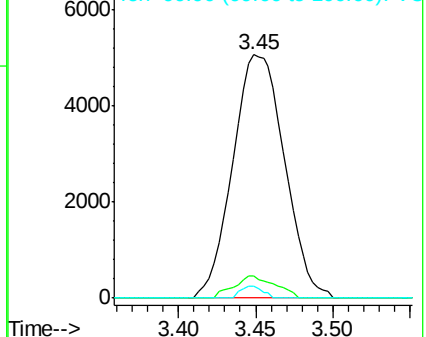
100 4.8 1.8 5.5

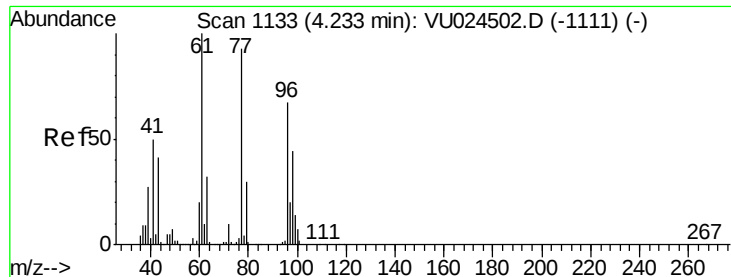


Abundance Ion 62.90 (62.60 to 63.60): VU0

Ion 97.90 (97.60 to 98.60): VU0

Ion 99.90 (99.60 to 100.60): VU0

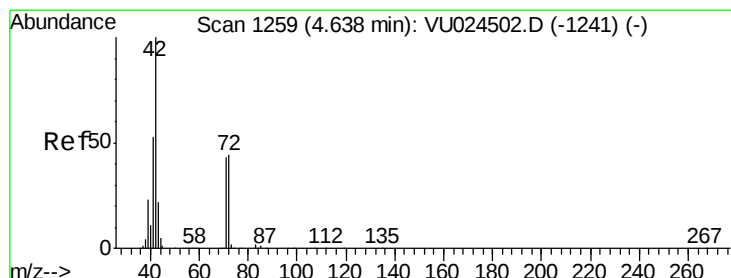
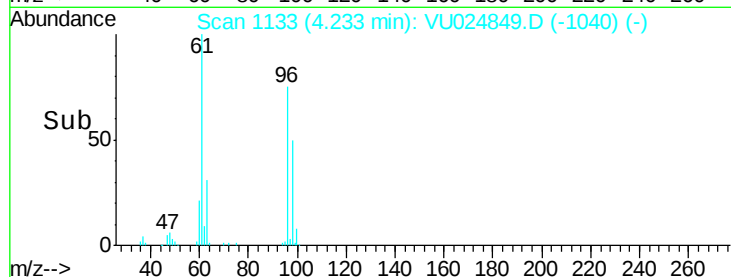
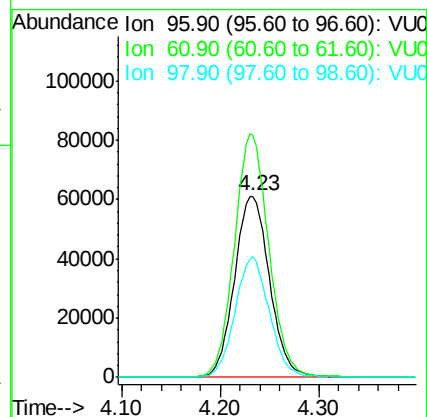
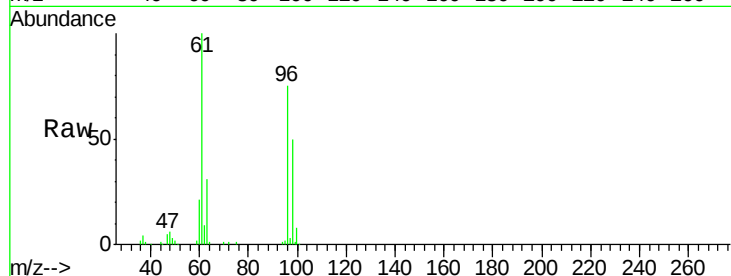




#27
 cis-1,2-Dichloroethene
 Concen: 53.22 ug/l
 RT: 4.23 min Scan# 1133
 Delta R.T. 0.00 min
 Lab File: VU024849.D
 Acq: 22 Jun 2018 22:15

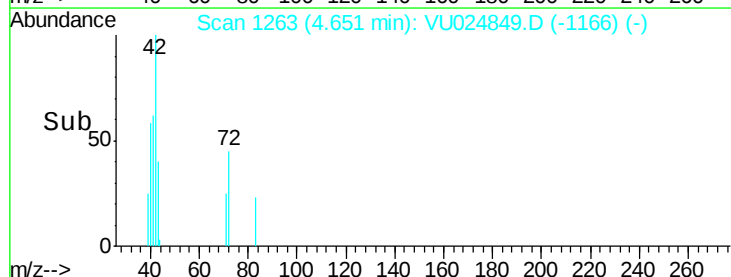
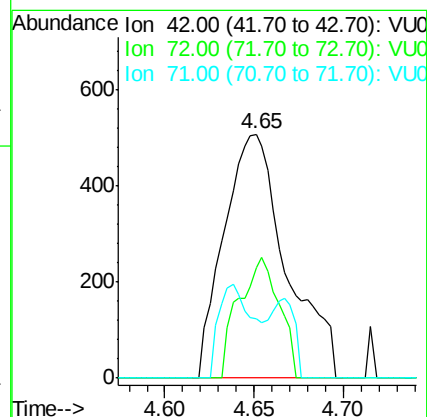
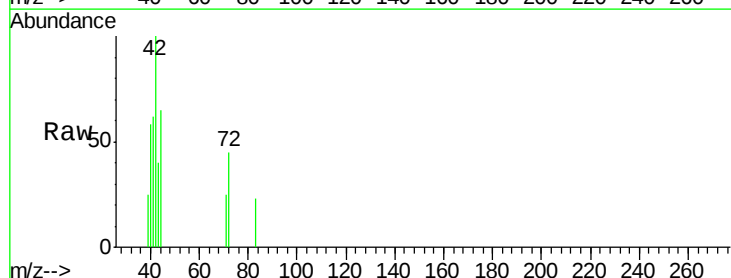
Instrument :
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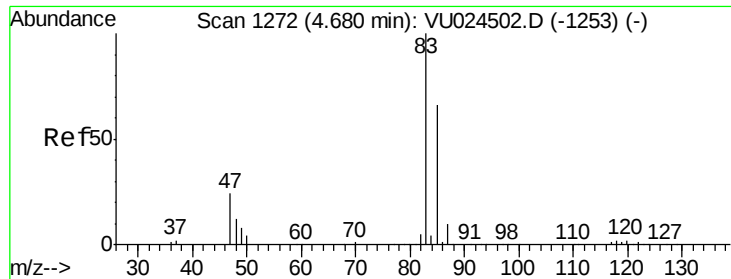
Tot Ion	Ratio	Lower	Upper
96	100		
61	132.8	0.0	306.6
98	65.0	0.0	128.8



#29
 Tetrahydrofuran
 Concen: 0.86 ug/l
 RT: 4.65 min Scan# 1263
 Delta R.T. 0.01 min
 Lab File: VU024849.D
 Acq: 22 Jun 2018 22:15

Tgt Ion	Ratio	Lower	Upper
42	100		
72	32.2	34.5	51.7#
71	11.5	32.2	48.4#

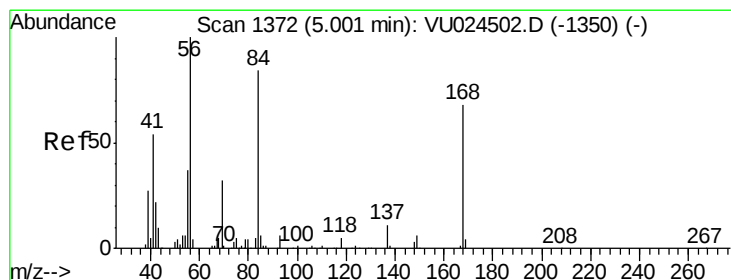
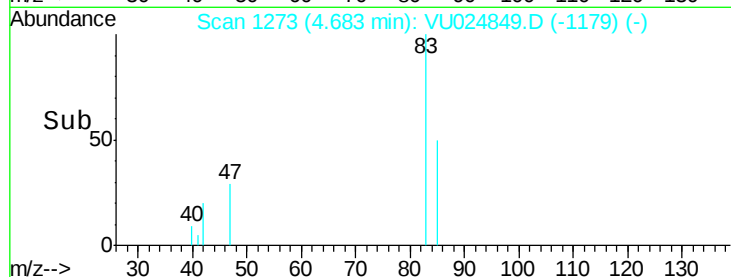
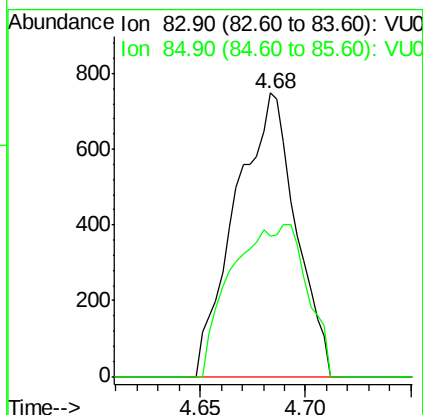
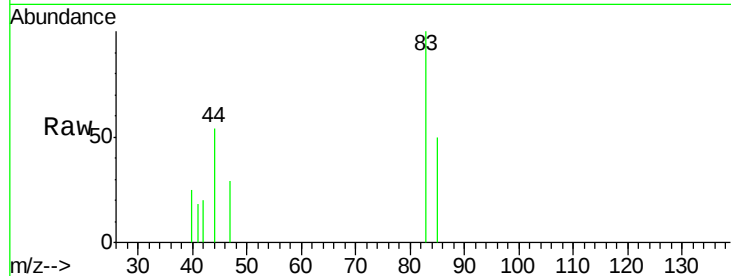




#30
Chloroform
Concen: 0.31 ug/l
RT: 4.68 min Scan# 1273
Delta R.T. 0.00 min
Lab File: VU024849.D
Acq: 22 Jun 2018 22:15

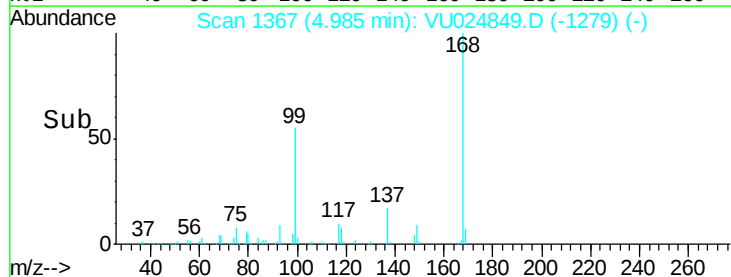
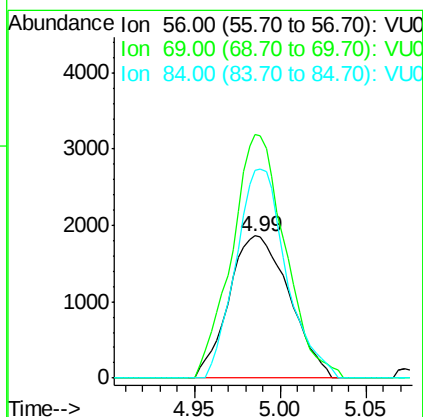
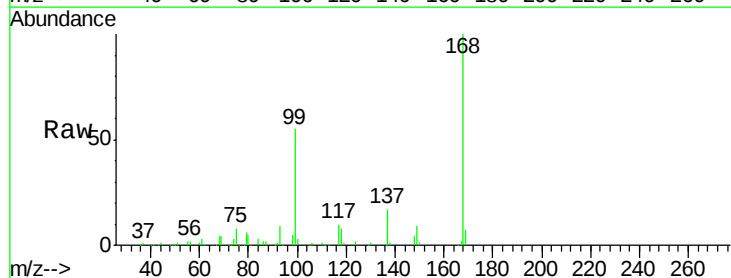
Instrument :
MSVOA_U
ClientSampleId :
WP021RW246-180618

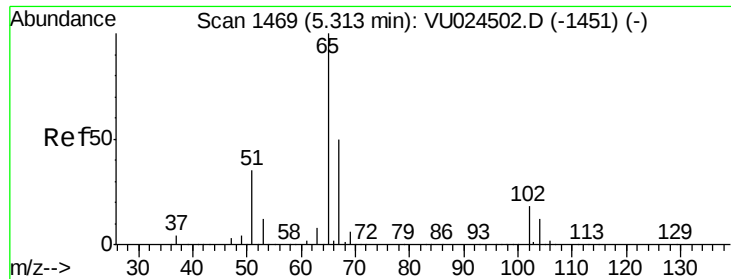
Tot Ion: 83 Resp: 1487
Ion Ratio Lower Upper
83 100
85 49.6 52.4 78.6#



#31
Cyclohexane
Concen: Below Cal
RT: 4.99 min Scan# 1367
Delta R.T. -0.02 min
Lab File: VU024849.D
Acq: 22 Jun 2018 22:15

Tgt Ion: 56 Resp: 4551
Ion Ratio Lower Upper
56 100
69 171.1 24.8 37.2#
84 145.7 65.2 97.8#

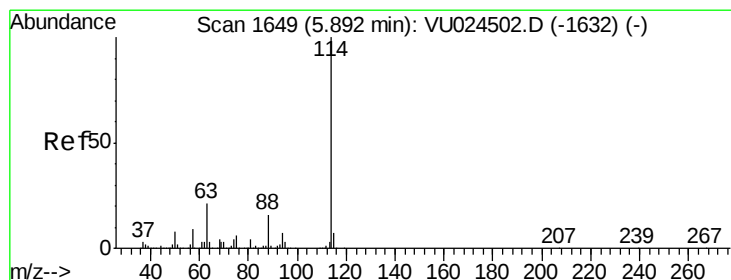
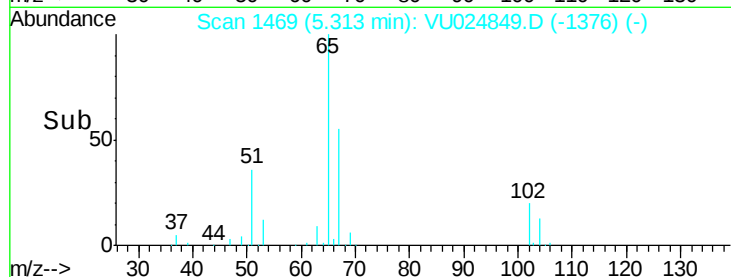
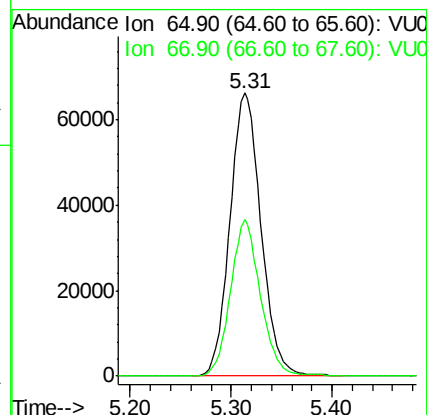
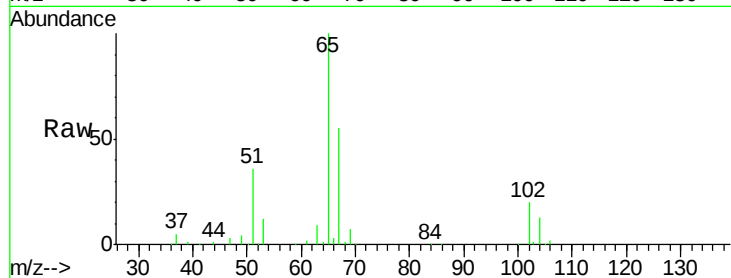




#33
 1,2-Dichloroethane-d4
 Concen: 44.33 ug/l
 RT: 5.31 min Scan# 1469
 Delta R.T. 0.00 min
 Lab File: VU024849.D
 Acq: 22 Jun 2018 22:15

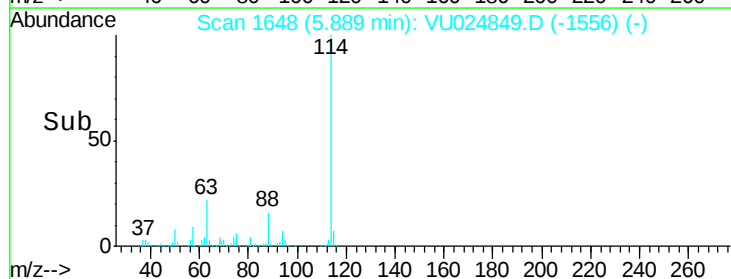
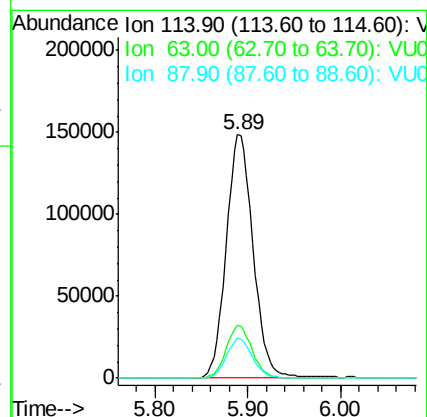
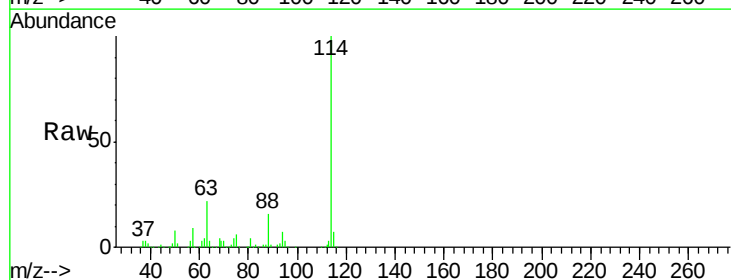
Instrument :
 MSVOA_U
 ClientSampleId :
 WP021RW246-180618

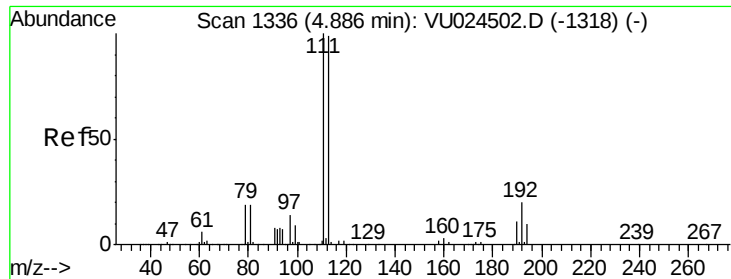
Tot Ion: 65 Resp: 142497
 Ion Ratio Lower Upper
 65 100
 67 52.9 0.0 107.0



#34
 1,4-Difluorobenzene
 Concen: 50.00 ug/l
 RT: 5.89 min Scan# 1648
 Delta R.T. -0.00 min
 Lab File: VU024849.D
 Acq: 22 Jun 2018 22:15

Tgt Ion: 114 Resp: 299266
 Ion Ratio Lower Upper
 114 100
 63 21.5 0.0 45.4
 88 16.3 0.0 31.0

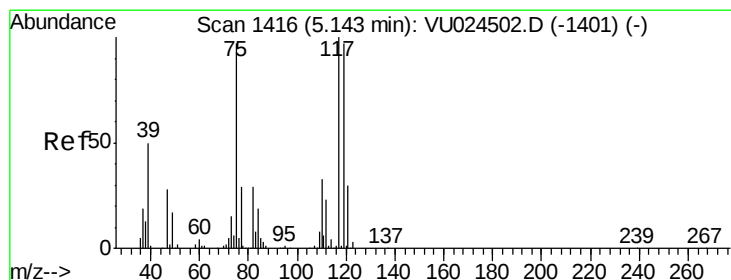
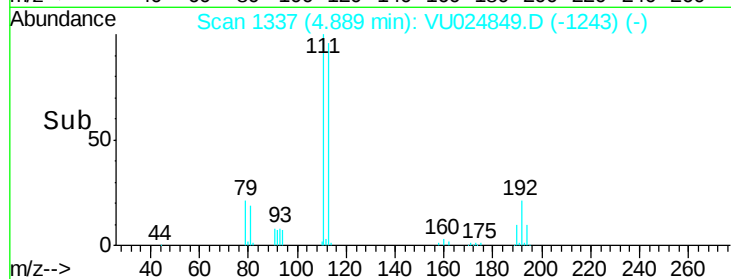
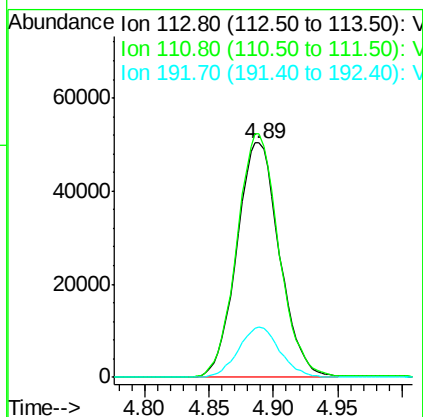
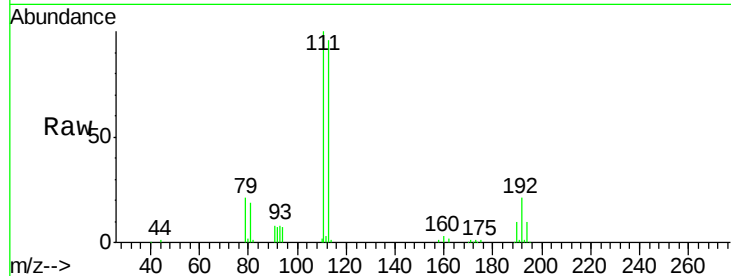




#35
 Dibromofluoromethane
 Concen: 46.76 ug/l
 RT: 4.89 min Scan# 1337
 Delta R.T. 0.00 min
 Lab File: VU024849.D
 Acq: 22 Jun 2018 22:15

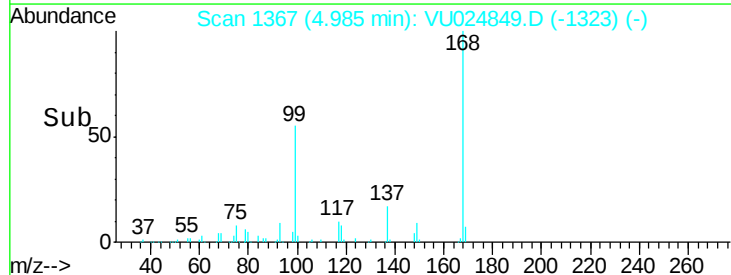
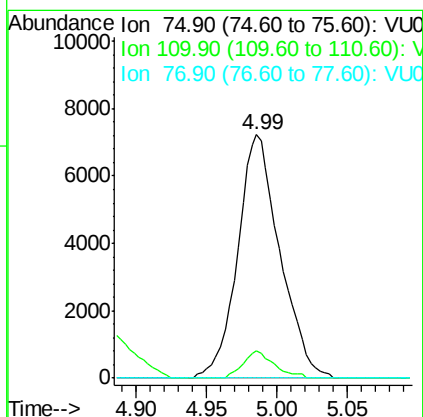
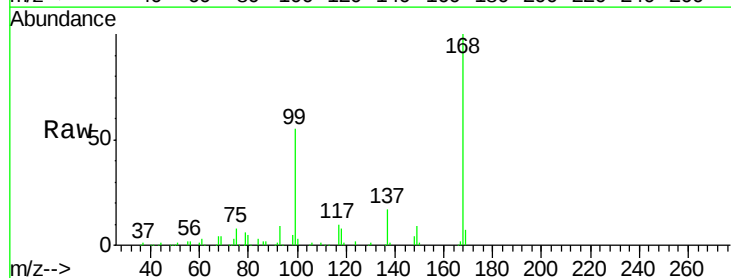
Instrument :
 MSVOA_U
 ClientSampleId :
 WP021RW246-180618

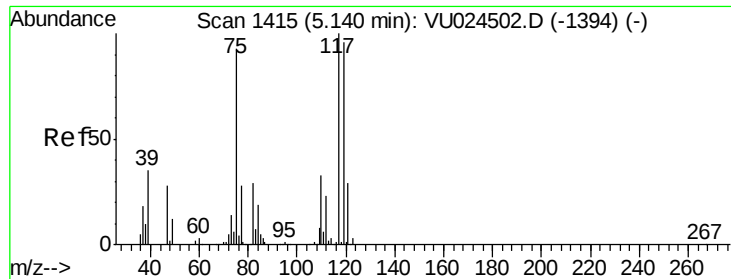
Tot Ion:113 Resp: 116144
 Ion Ratio Lower Upper
 113 100
 111 102.6 82.2 123.4
 192 20.9 16.2 24.4



#36
 1,1-Dichloropropene
 Concen: 4.29 ug/l
 RT: 4.99 min Scan# 1367
 Delta R.T. -0.16 min
 Lab File: VU024849.D
 Acq: 22 Jun 2018 22:15

Tgt Ion: 75 Resp: 15097
 Ion Ratio Lower Upper
 75 100
 110 8.3 17.0 50.9#
 77 0.0 24.2 36.4#





#38

Carbon Tetrachloride

Concen: 4.87 ug/l

RT: 4.99 min Scan# 1368

Delta R.T. -0.15 min

Lab File: VU024849.D

Acq: 22 Jun 2018 22:15

Instrument :

MSVOA_U

ClientSampleId :

WP021RW246-180618

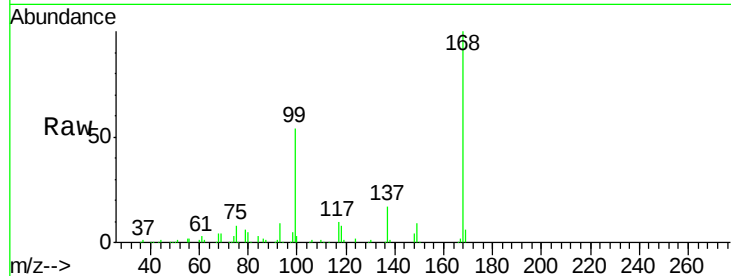
Tot Ion:117 Resp: 18820

Ion Ratio Lower Upper

117 100

119 5.5 76.1 114.1#

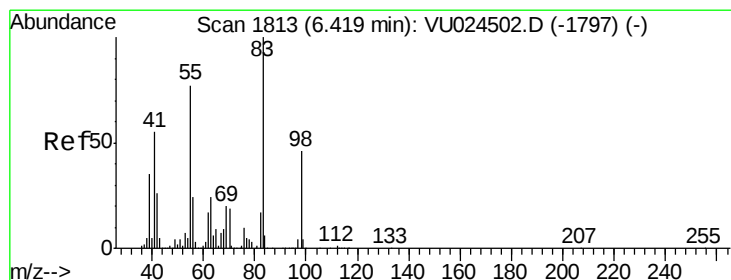
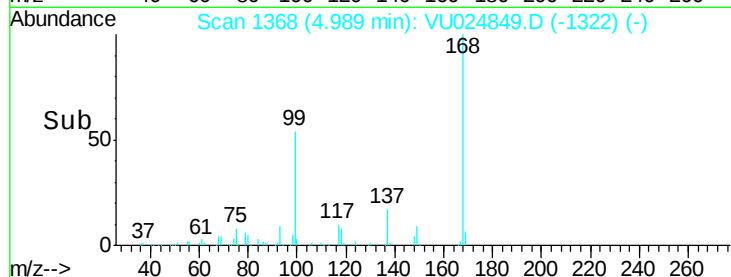
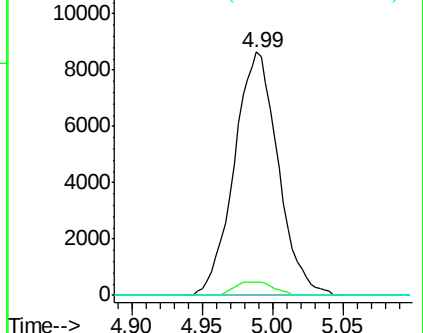
121 0.0 23.7 35.5#



Abundance Ion 116.80 (116.50 to 117.50): V

Ion 118.80 (118.50 to 119.50): V

Ion 120.80 (120.50 to 121.50): V



#39

Methylcyclohexane

Concen: 0.39 ug/l

RT: 6.42 min Scan# 1813

Delta R.T. 0.00 min

Lab File: VU024849.D

Acq: 22 Jun 2018 22:15

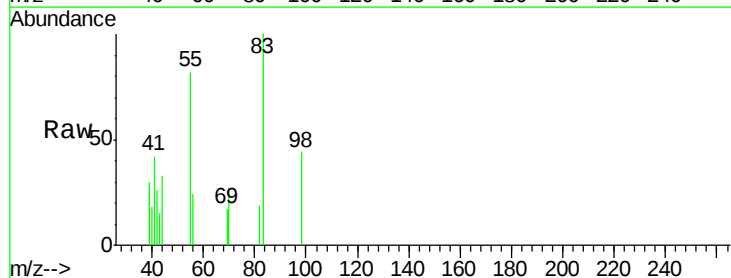
Tgt Ion: 83 Resp: 1718

Ion Ratio Lower Upper

83 100

55 63.9 65.8 98.6#

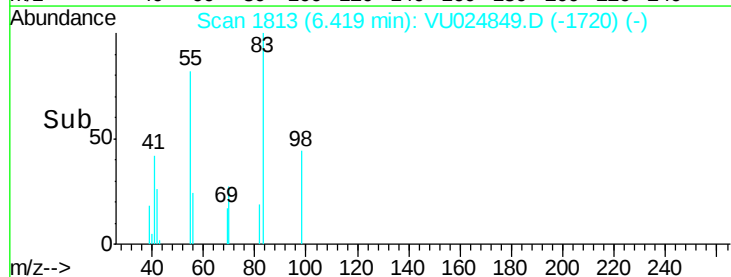
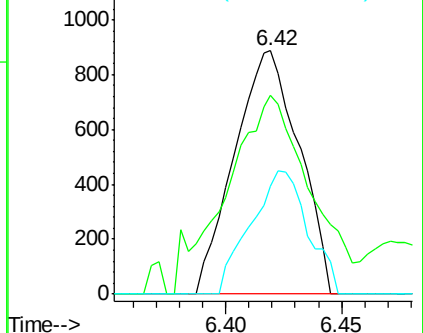
98 44.4 36.7 55.1

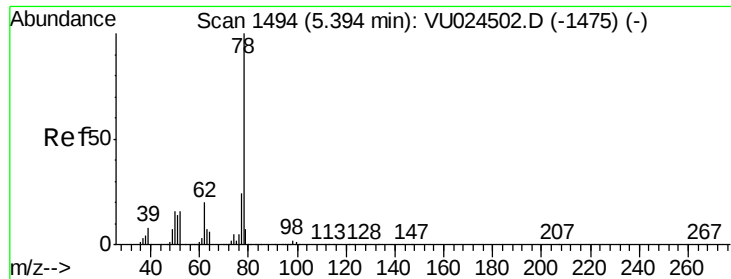


Abundance Ion 83.00 (82.70 to 83.70): VU0

Ion 55.00 (54.70 to 55.70): VU0

Ion 98.00 (97.70 to 98.70): VU0





#40

Benzene

Concen: 19.75 ug/l

RT: 5.39 min Scan# 1494

Delta R.T. 0.00 min

Lab File: VU024849.D

Acq: 22 Jun 2018 22:15

Instrument :

MSVOA_U

ClientSampleId :

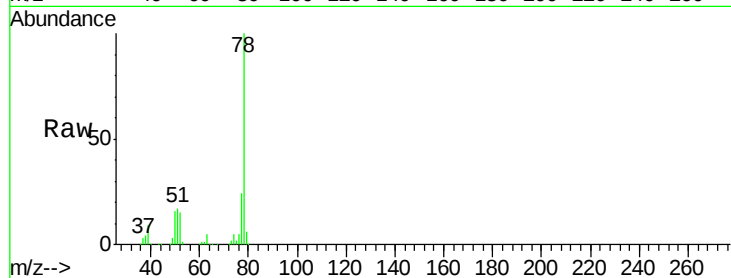
WP021RW246-180618

Tot Ion: 78 Resp: 197892

Ion Ratio Lower Upper

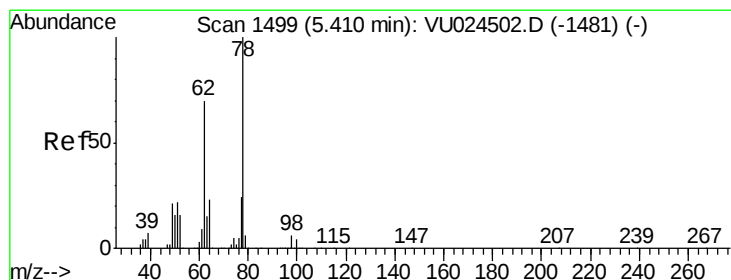
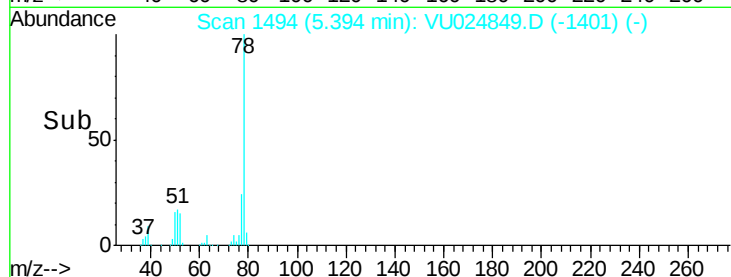
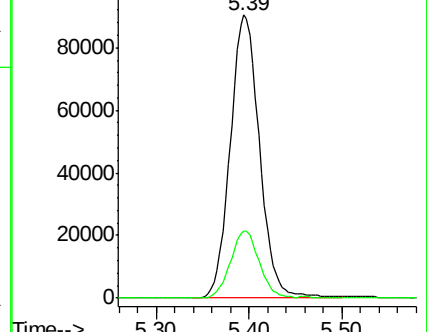
78 100

77 23.8 19.2 28.8



Abundance Ion 78.00 (77.70 to 78.70): VU0

Ion 77.00 (76.70 to 77.70): VU0



#42

1,2-Dichloroethane

Concen: 0.66 ug/l

RT: 5.40 min Scan# 1497

Delta R.T. -0.01 min

Lab File: VU024849.D

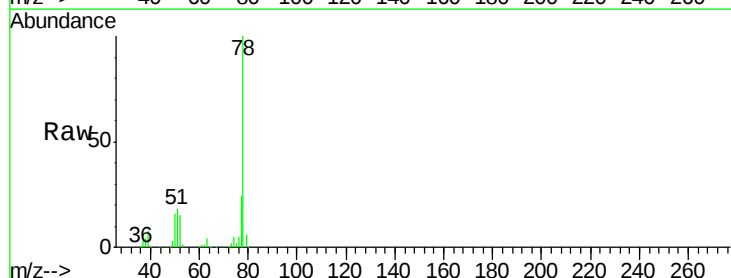
Acq: 22 Jun 2018 22:15

Tgt Ion: 62 Resp: 2506

Ion Ratio Lower Upper

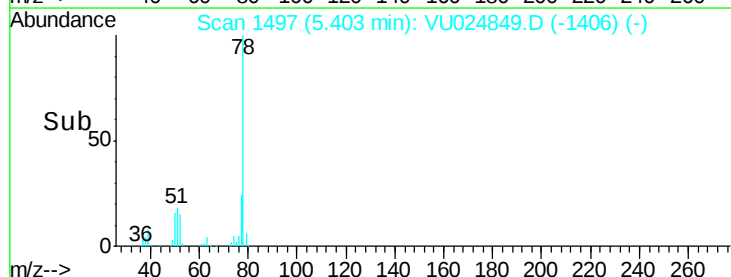
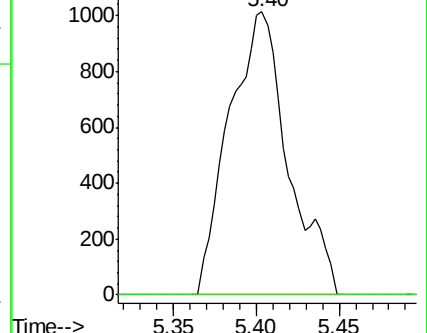
62 100

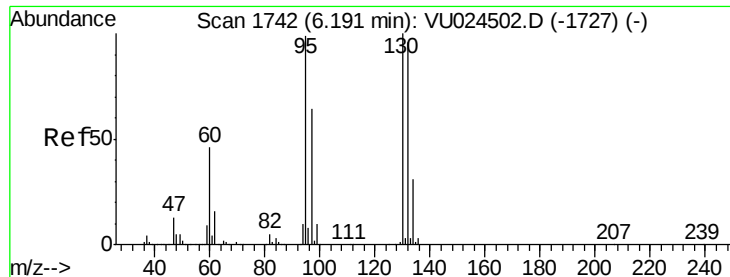
98 0.0 0.0 16.6



Abundance Ion 61.90 (61.60 to 62.60): VU0

Ion 97.90 (97.60 to 98.60): VU0





#44

Trichloroethene

Concen: 1.08 ug/l

RT: 6.19 min Scan# 1742

Delta R.T. 0.00 min

Lab File: VU024849.D

Acq: 22 Jun 2018 22:15

Instrument :

MSVOA_U

ClientSampleId :

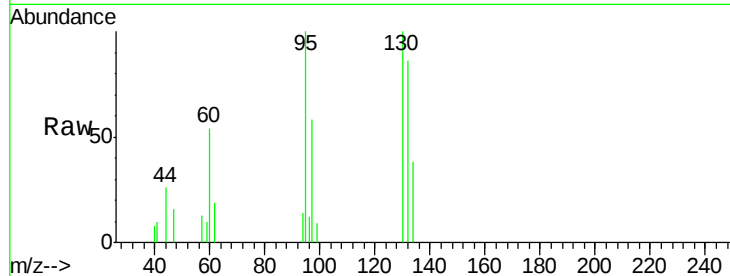
WP021RW246-180618

Tot Ion:130 Resp: 3082

Ion Ratio Lower Upper

130 100

95 99.9 0.0 202.4



Abundance Ion 129.80 (129.50 to 130.50): VU024849.D (-1649) (-)

Ion 94.90 (94.60 to 95.60): VU024849.D (-1649) (-)

6.19

1500

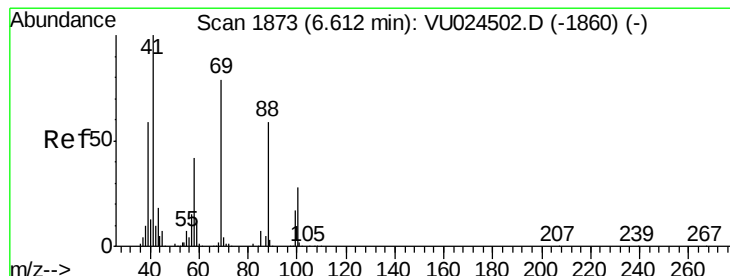
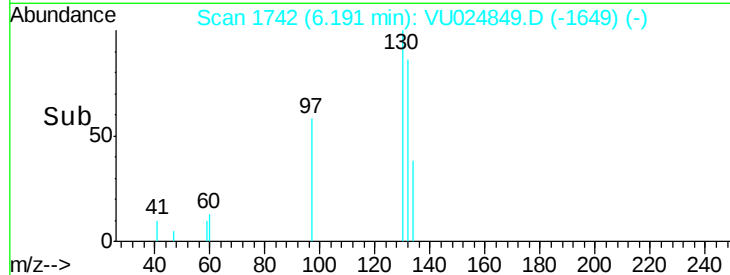
1000

500

0

6.15 6.20 6.25

Time-->



#49

1,4-Dioxane

Concen: 29.07 ug/l

RT: 6.62 min Scan# 1875

Delta R.T. 0.01 min

Lab File: VU024849.D

Acq: 22 Jun 2018 22:15

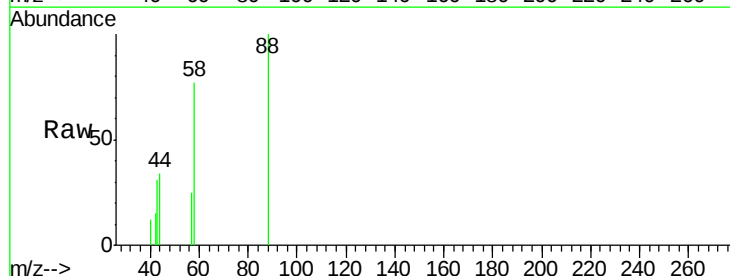
Tgt Ion: 88 Resp: 1834

Ion Ratio Lower Upper

88 100

43 26.7 28.6 42.8#

58 69.3 58.2 87.4



Abundance Ion 88.00 (87.70 to 88.70): VU024849.D (-1780) (-)

Ion 43.00 (42.70 to 43.70): VU024849.D (-1780) (-)

Ion 58.00 (57.70 to 58.70): VU024849.D (-1780) (-)

6.62

1200

1000

800

600

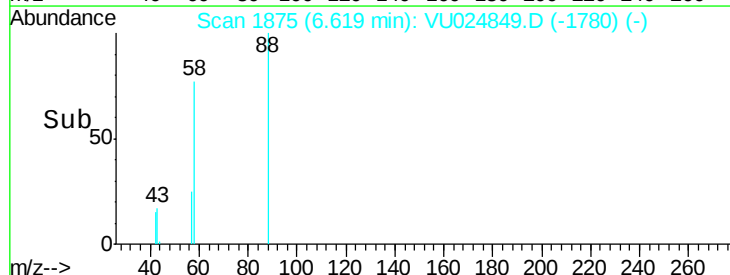
400

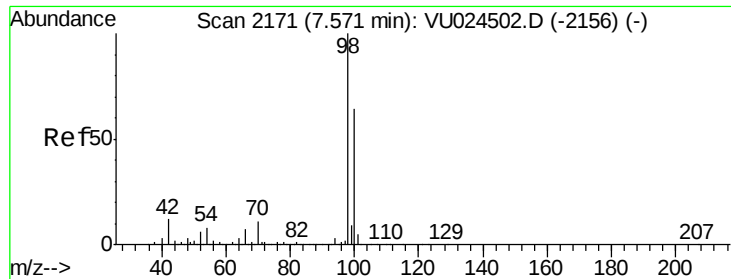
200

0

6.60 6.65

Time-->





#50

Toluene-d8

Concen: 48.46 ug/l

RT: 7.57 min Scan# 2171

Delta R.T. 0.00 min

Lab File: VU024849.D

Acq: 22 Jun 2018 22:15

Instrument :

MSVOA_U

ClientSampleId :

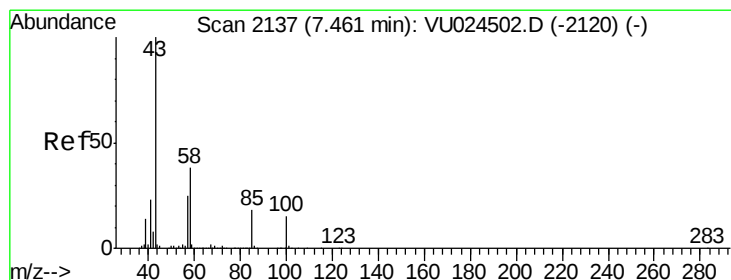
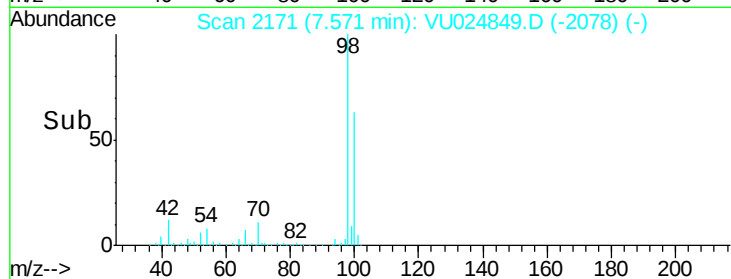
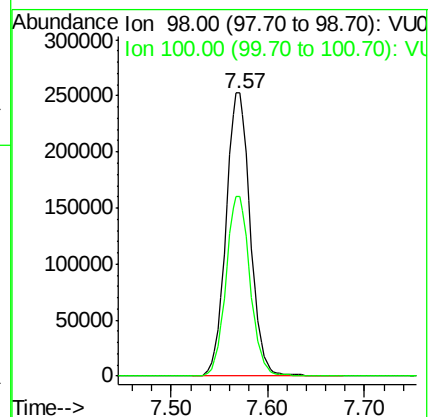
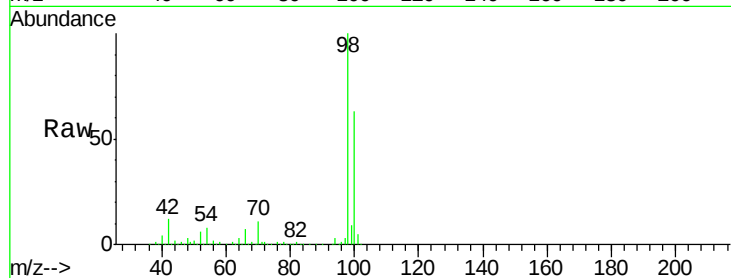
WP021RW246-180618

Tot Ion: 98 Resp: 438982

Ion Ratio Lower Upper

98 100

100 63.3 51.1 76.7



#51

4-Methyl-2-Pentanone

Concen: 0.21 ug/l

RT: 7.47 min Scan# 2139

Delta R.T. 0.01 min

Lab File: VU024849.D

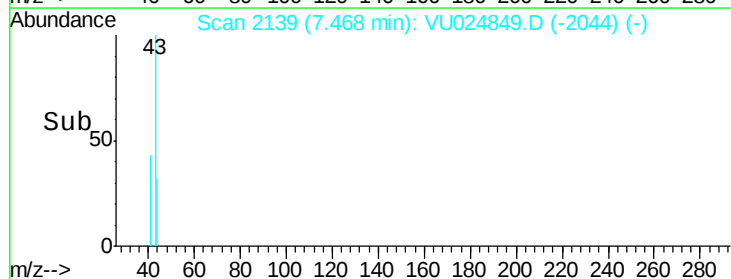
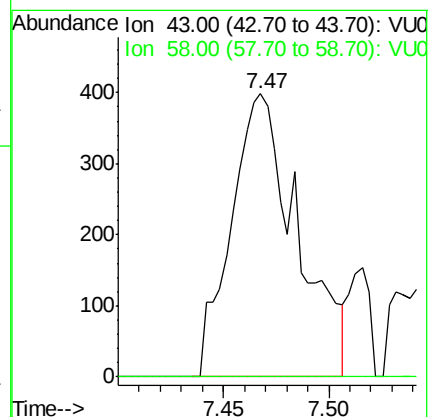
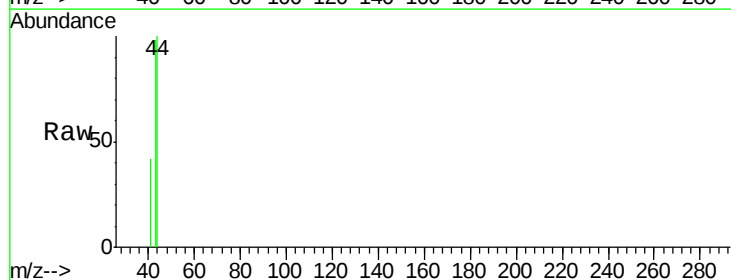
Acq: 22 Jun 2018 22:15

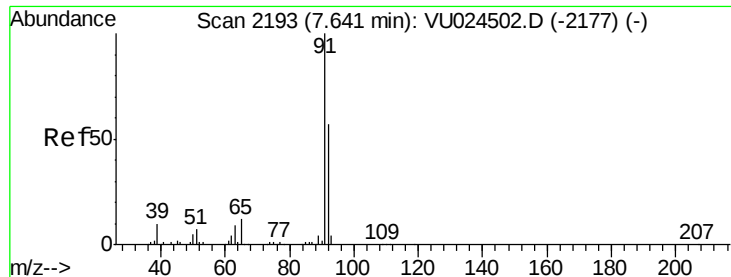
Tgt Ion: 43 Resp: 864

Ion Ratio Lower Upper

43 100

58 0.0 30.0 45.0#





#52

Toluene

Concen: 1.00 ug/l

RT: 7.64 min Scan# 2193

Delta R.T. 0.00 min

Lab File: VU024849.D

Acq: 22 Jun 2018 22:15

Instrument :

MSVOA_U

ClientSampleId :

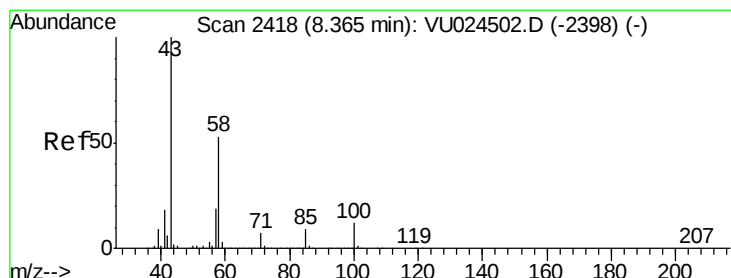
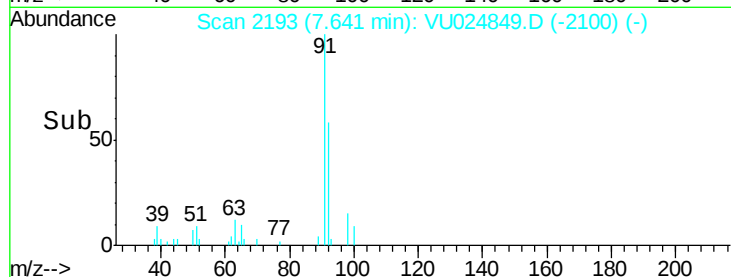
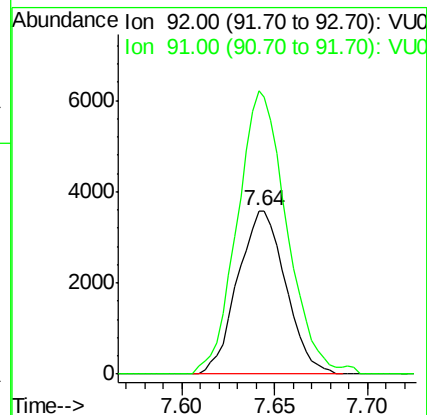
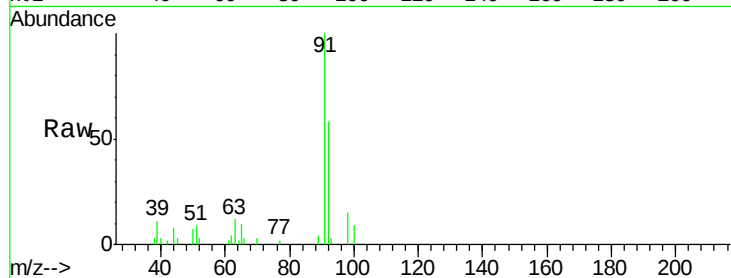
WP021RW246-180618

Tot Ion: 92 Resp: 6452

Ion Ratio Lower Upper

92 100

91 178.7 140.5 210.7



#59

2-Hexanone

Concen: 2.27 ug/l

RT: 8.17 min Scan# 2357

Delta R.T. -0.20 min

Lab File: VU024849.D

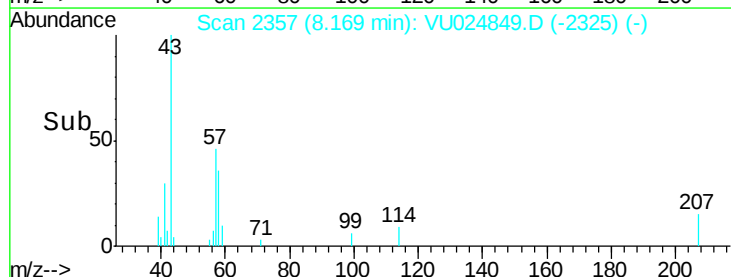
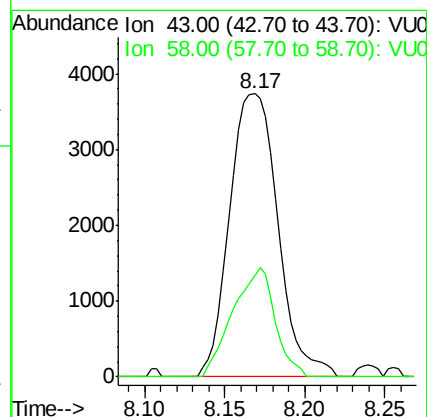
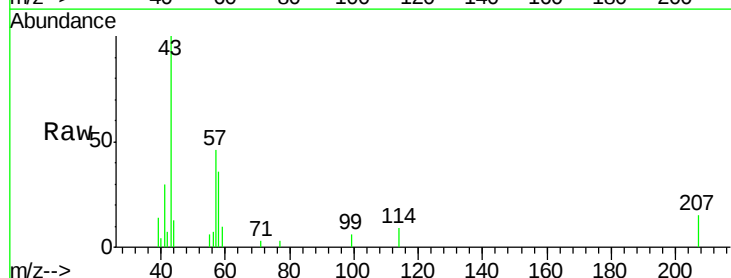
Acq: 22 Jun 2018 22:15

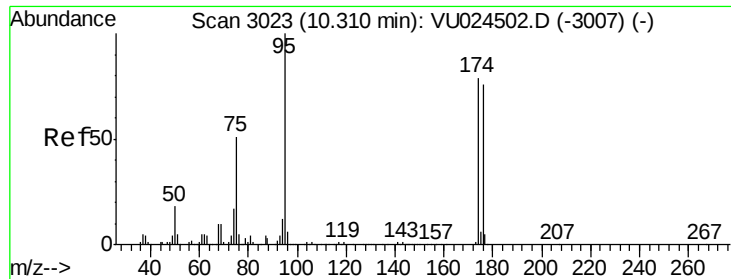
Tgt Ion: 43 Resp: 7708

Ion Ratio Lower Upper

43 100

58 33.8 26.4 79.0





#62

4-Bromofluorobenzene

Concen: 46.00 ug/l

RT: 10.31 min Scan# 3023

Delta R.T. 0.00 min

Lab File: VU024849.D

Acq: 22 Jun 2018 22:15

Instrument :

MSVOA_U

ClientSampleId :

WP021RW246-180618

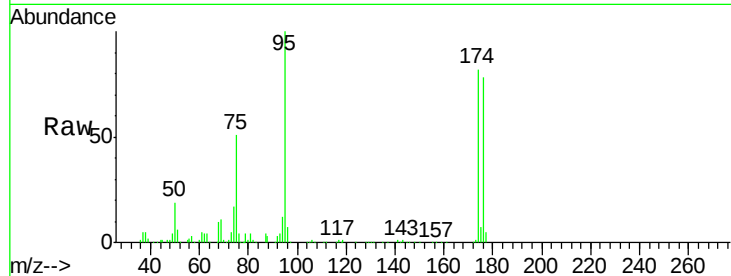
Tot Ion: 95 Resp: 165464

Ion Ratio Lower Upper

95 100

174 83.4 0.0 165.8

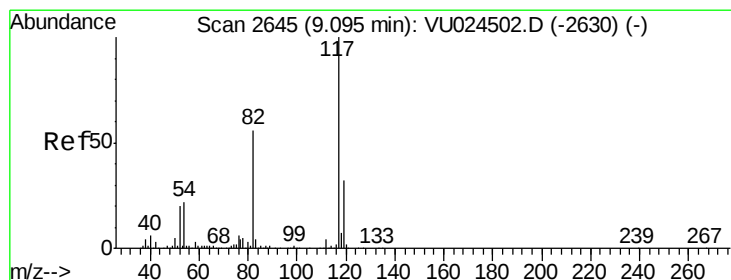
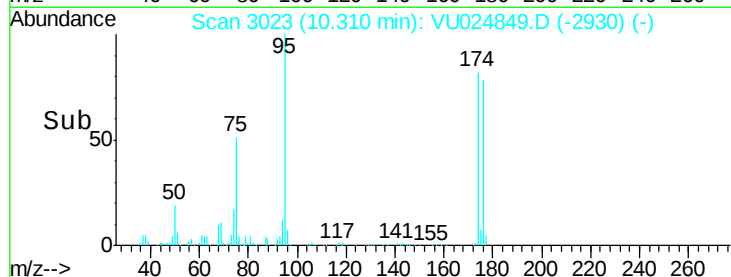
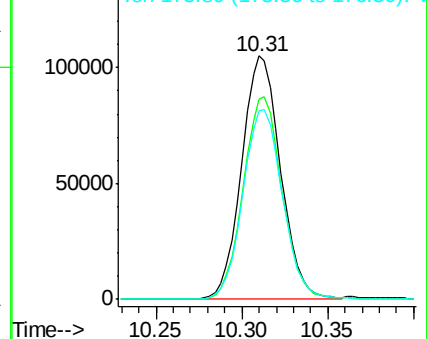
176 80.0 0.0 159.4



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

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

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



#63

Chlorobenzene-d5

Concen: 50.00 ug/l

RT: 9.09 min Scan# 2645

Delta R.T. 0.00 min

Lab File: VU024849.D

Acq: 22 Jun 2018 22:15

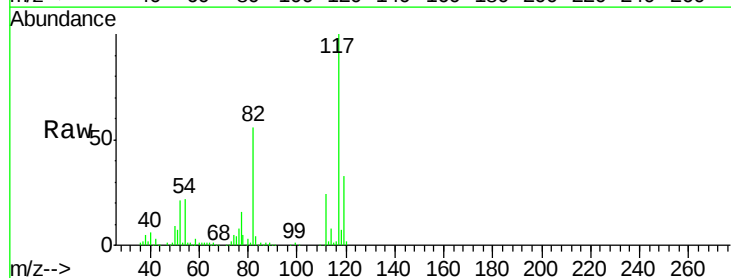
Tgt Ion: 117 Resp: 280958

Ion Ratio Lower Upper

117 100

82 55.9 44.3 66.5

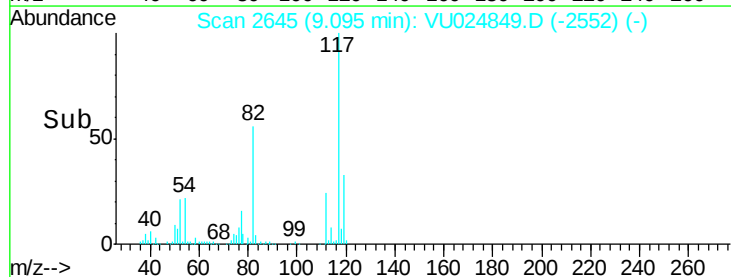
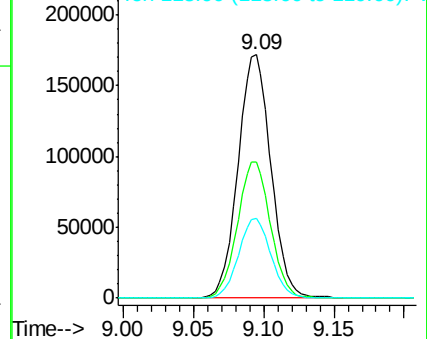
119 33.0 25.4 38.2

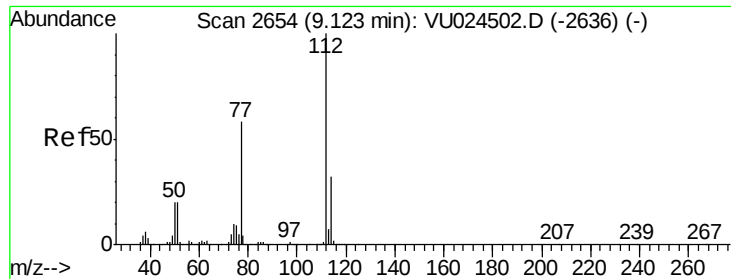


Abundance Ion 116.90 (116.60 to 117.60): VU024502.D (-2630) (-)

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

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





#65

Chlorobenzene

Concen: 310.23 ug/l

RT: 9.12 min Scan# 2654

Delta R.T. 0.00 min

Lab File: VU024849.D

Acq: 22 Jun 2018 22:15

Instrument :

MSVOA_U

ClientSampleId :

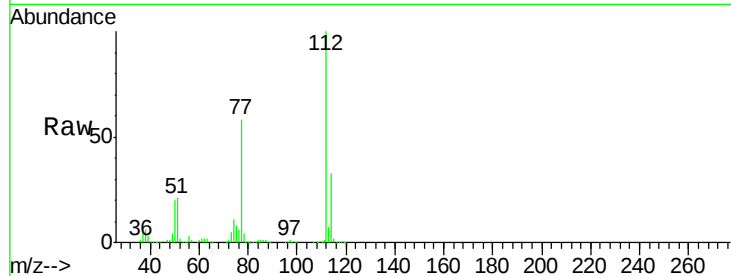
WP021RW246-180618

Tot Ion:112 Resp: 2226671

Ion Ratio Lower Upper

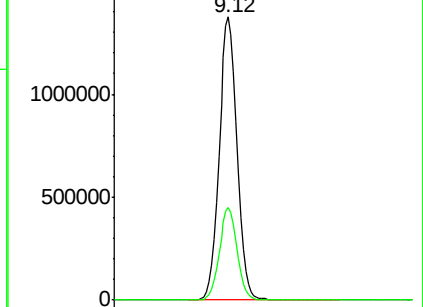
112 100

114 32.8 25.6 38.4

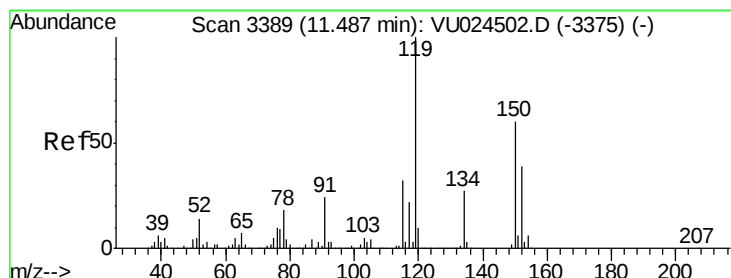
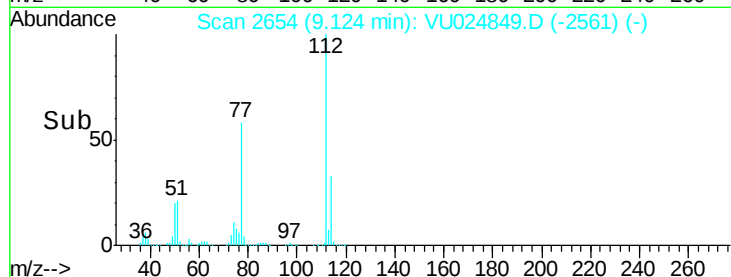


Abundance Ion 111.90 (111.60 to 112.60): V

Ion 113.90 (113.60 to 114.60): V



Time--> 9.00 9.10 9.20 9.30



#72

1,4-Dichlorobenzene-d4

Concen: 50.00 ug/l

RT: 11.49 min Scan# 3389

Delta R.T. 0.00 min

Lab File: VU024849.D

Acq: 22 Jun 2018 22:15

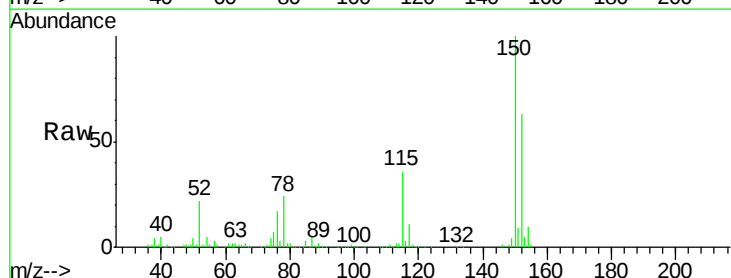
Tgt Ion:152 Resp: 154067

Ion Ratio Lower Upper

152 100

115 56.6 43.0 129.0

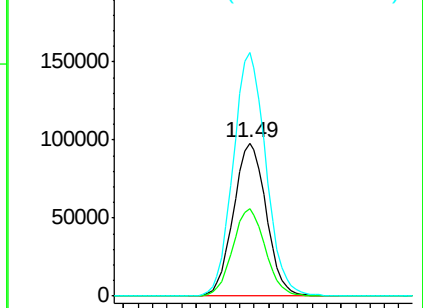
150 159.4 0.0 354.0



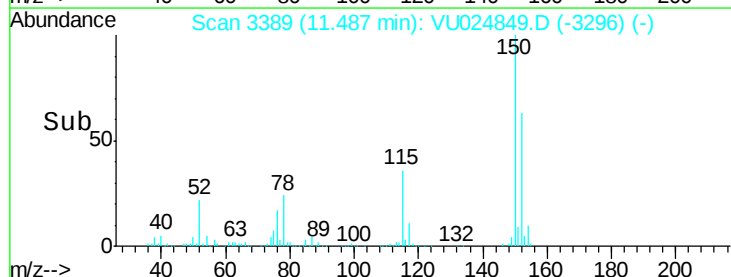
Abundance Ion 151.90 (151.60 to 152.60): V

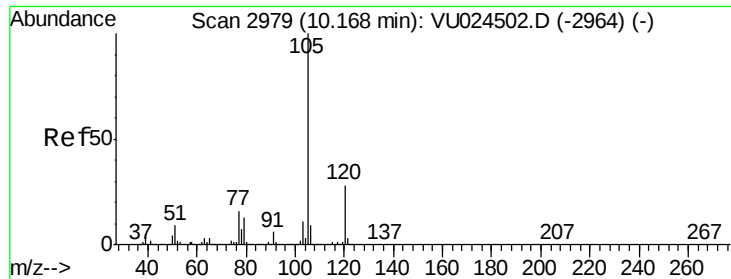
Ion 114.90 (114.60 to 115.60): V

Ion 149.90 (149.60 to 150.60): V



Time--> 11.40 11.45 11.50 11.55





#73

Isopropylbenzene

Concen: 0.57 ug/l

RT: 10.17 min Scan# 2980

Delta R.T. 0.00 min

Lab File: VU024849.D

Acq: 22 Jun 2018 22:15

Instrument :

MSVOA_U

ClientSampleId :

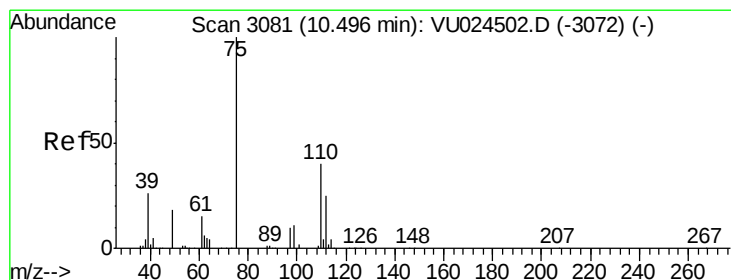
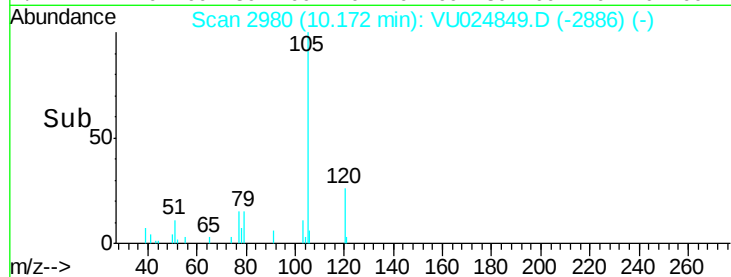
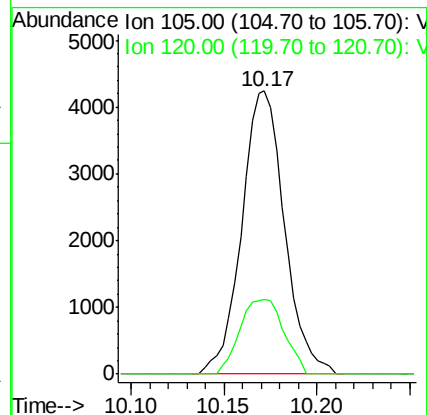
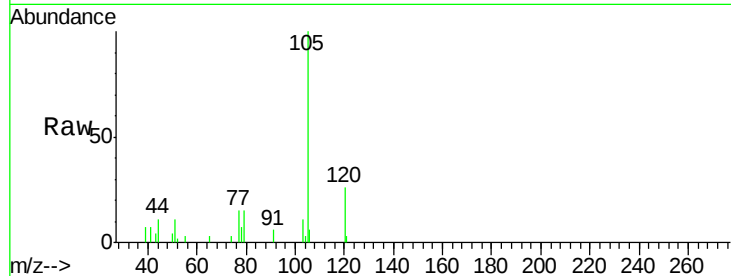
WP021RW246-180618

Tot Ion:105 Resp: 6794

Ion Ratio Lower Upper

105 100

120 27.2 13.2 39.6



#76

1,2,3-Trichloropropane

Concen: 24.98 ug/l

RT: 10.31 min Scan# 3023

Delta R.T. -0.19 min

Lab File: VU024849.D

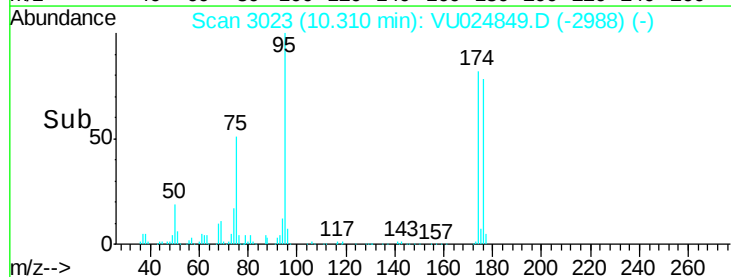
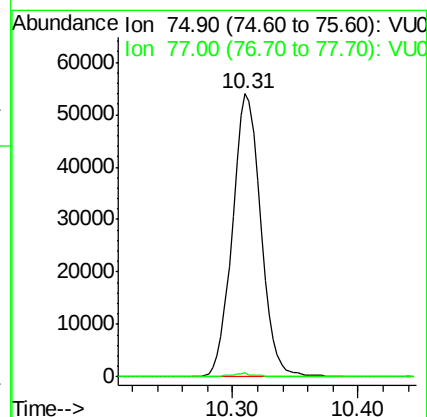
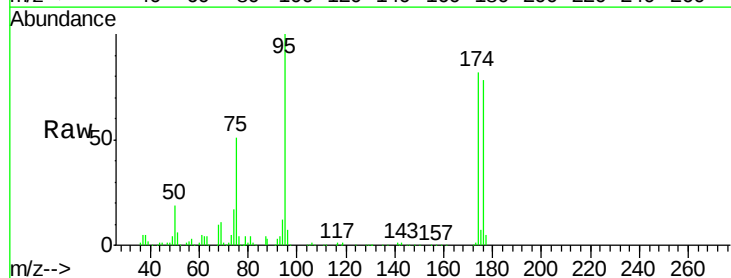
Acq: 22 Jun 2018 22:15

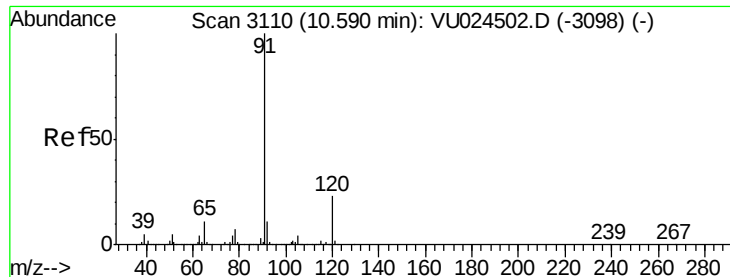
Tgt Ion: 75 Resp: 84723

Ion Ratio Lower Upper

75 100

77 1.2 20.9 62.7#





#78

n-propylbenzene

Concen: 0.25 ug/l

RT: 10.60 min Scan# 3112

Delta R.T. 0.01 min

Lab File: VU024849.D

Acq: 22 Jun 2018 22:15

Instrument :

MSVOA_U

ClientSampleId :

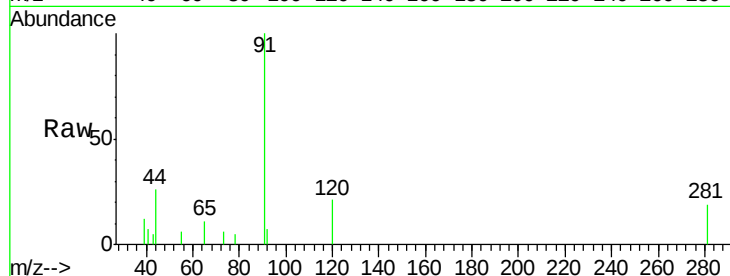
WP021RW246-180618

Tot Ion: 91 Resp: 3481

Ion Ratio Lower Upper

91 100

120 20.4 11.2 33.5



Abundance Ion 91.00 (90.70 to 91.70): VU024502.D (-3098) (-)

Ion 120.00 (119.70 to 120.70): VU024502.D (-3098) (-)

10.60

2500

2000

1500

1000

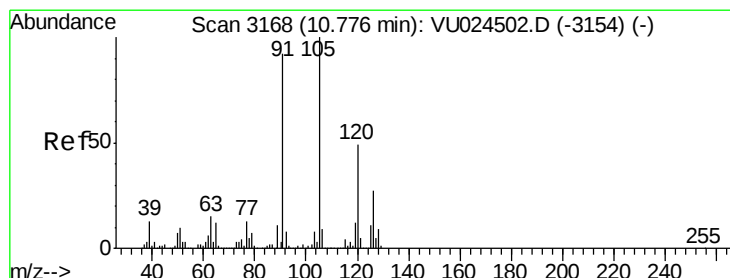
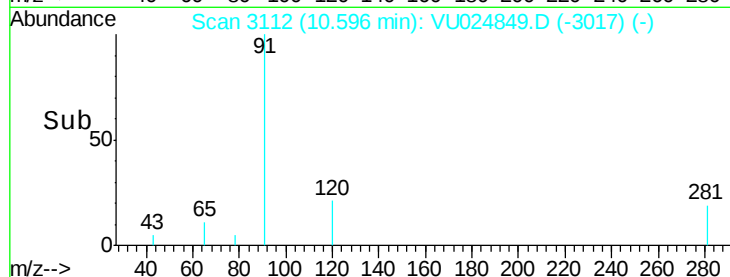
500

0

Time-->

10.55

10.60



#80

1,3,5-Trimethylbenzene

Concen: 0.21 ug/l

RT: 10.98 min Scan# 3230

Delta R.T. 0.20 min

Lab File: VU024849.D

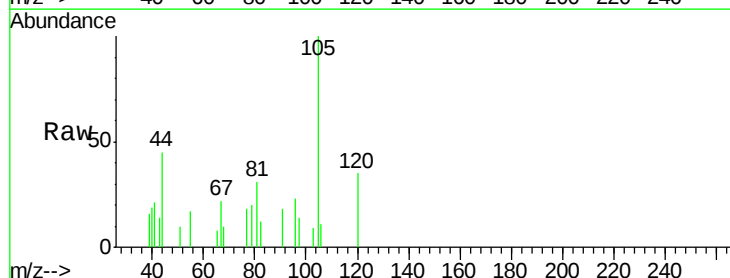
Acq: 22 Jun 2018 22:15

Tgt Ion: 105 Resp: 2149

Ion Ratio Lower Upper

105 100

120 28.5 24.1 72.2



Abundance Ion 105.00 (104.70 to 105.70): VU024502.D (-3154) (-)

Ion 120.00 (119.70 to 120.70): VU024502.D (-3154) (-)

10.98

1500

1000

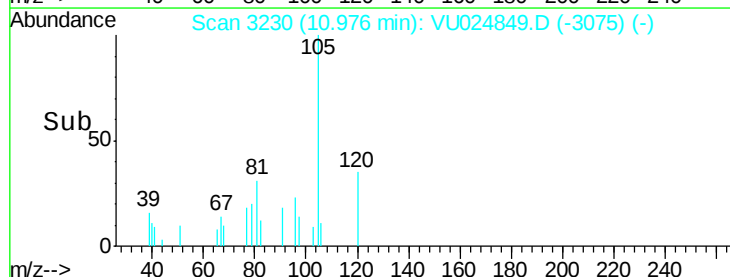
500

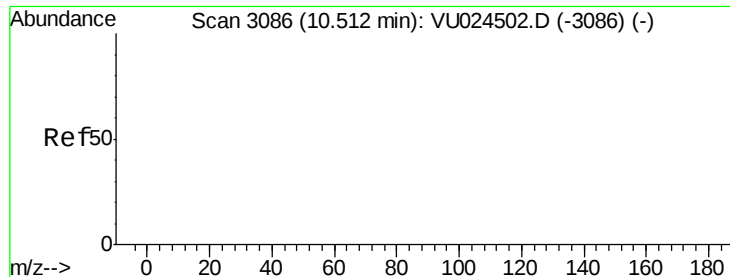
0

Time-->

10.95

11.00





#81

trans-1,4-Dichloro-2-butene

Concen: 57.81 ug/l

RT: 10.31 min Scan# 3023

Delta R.T. -0.20 min

Lab File: VU024849.D

Acq: 22 Jun 2018 22:15

Instrument :

MSVOA_U

ClientSampleId :

WP021RW246-180618

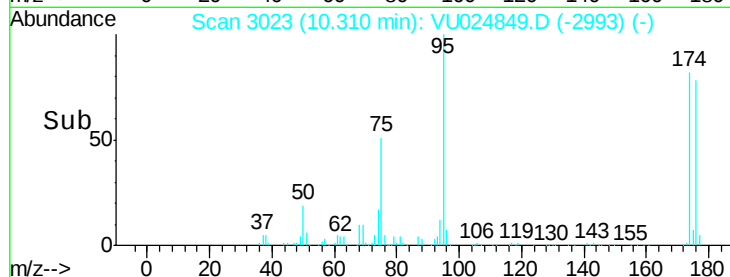
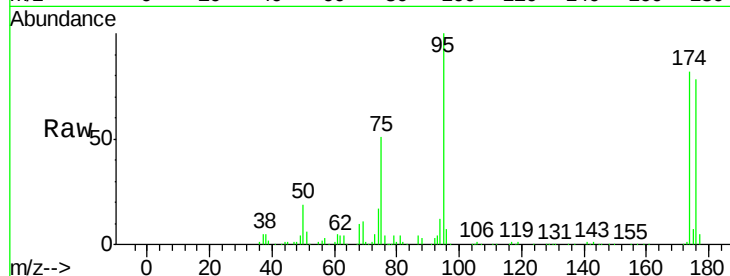
Tot Ion: 75 Resp: 84723

Ion Ratio Lower Upper

75 100

53 0.0 0.0 0.0

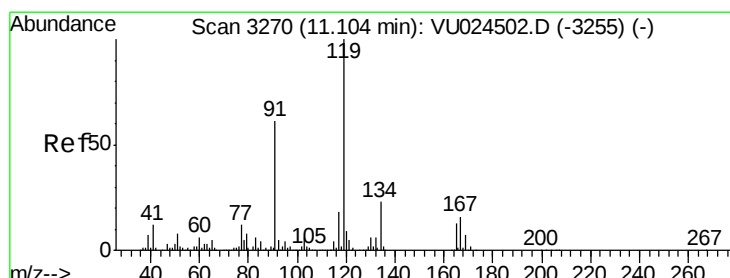
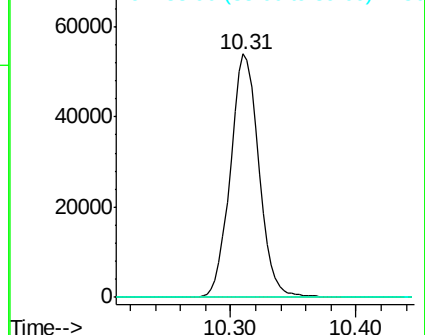
89 0.0 0.0 0.0



Abundance Ion 74.90 (74.60 to 75.60): VU024849.D (-2993) (-)

Ion 53.00 (52.70 to 53.70): VU024849.D (-2993) (-)

Ion 88.90 (88.60 to 89.60): VU024849.D (-2993) (-)



#83

tert-Butylbenzene

Concen: 3.14 ug/l

RT: 11.10 min Scan# 3270

Delta R.T. 0.00 min

Lab File: VU024849.D

Acq: 22 Jun 2018 22:15

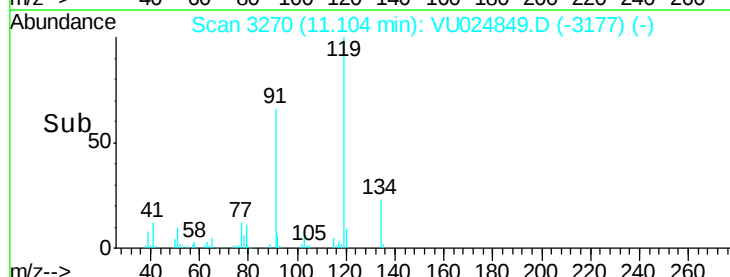
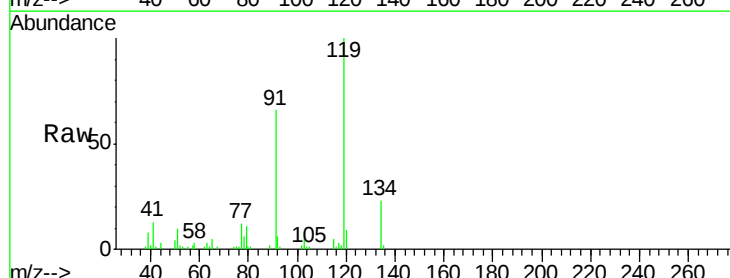
Tgt Ion: 119 Resp: 30942

Ion Ratio Lower Upper

119 100

91 66.3 29.7 89.1

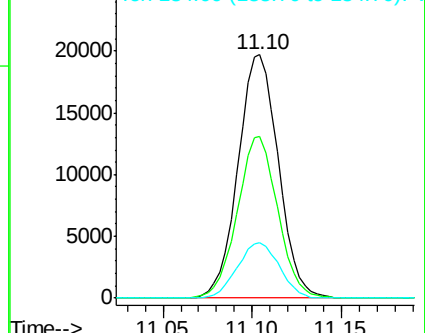
134 23.6 11.6 34.7

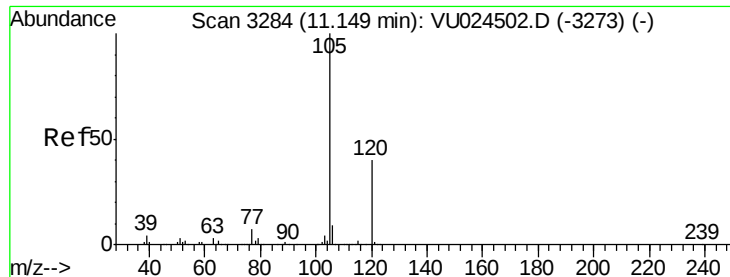


Abundance Ion 119.00 (118.70 to 119.70): VU024849.D (-3177) (-)

Ion 91.00 (90.70 to 91.70): VU024849.D (-3177) (-)

Ion 134.00 (133.70 to 134.70): VU024849.D (-3177) (-)

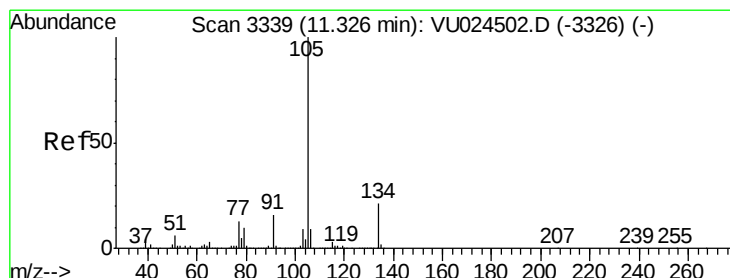
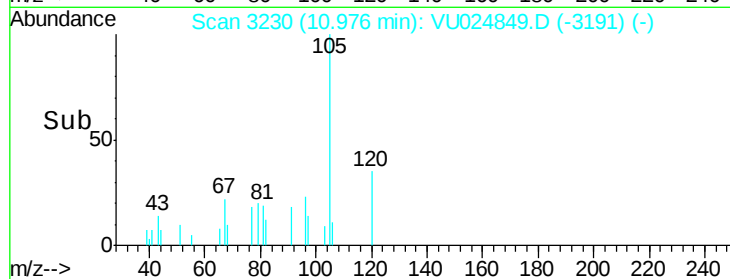
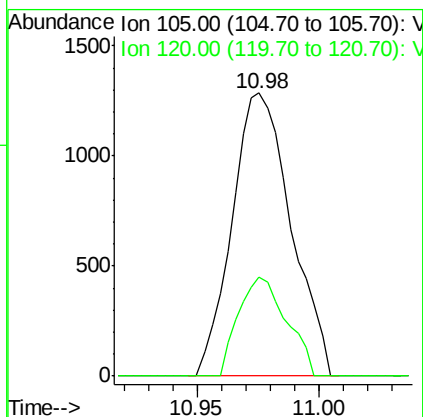
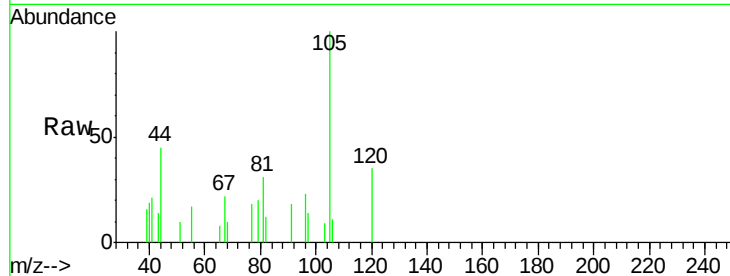




#84
 1,2,4-Trimethylbenzene
 Concen: 0.21 ug/l
 RT: 10.98 min Scan# 3230
 Delta R.T. -0.17 min
 Lab File: VU024849.D
 Acq: 22 Jun 2018 22:15

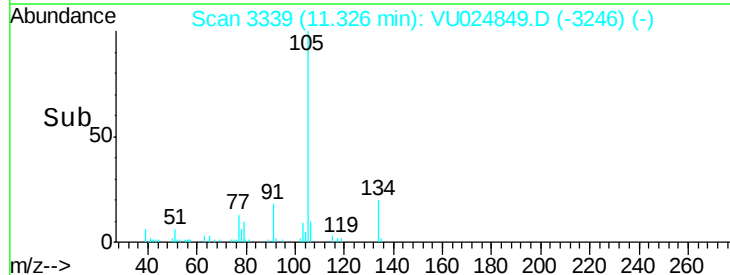
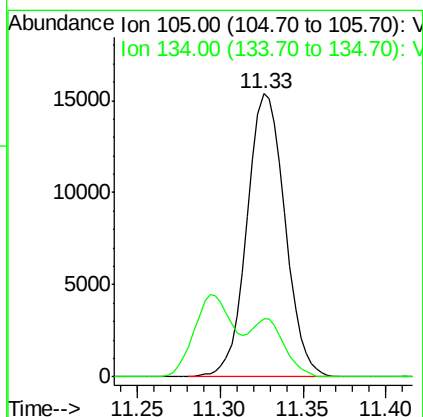
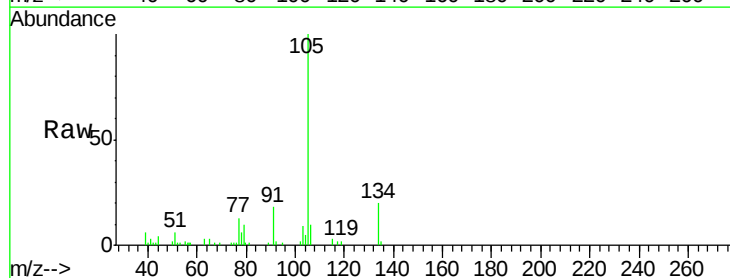
Instrument :
 MSVOA_U
 ClientSampleId :
 WP021RW246-180618

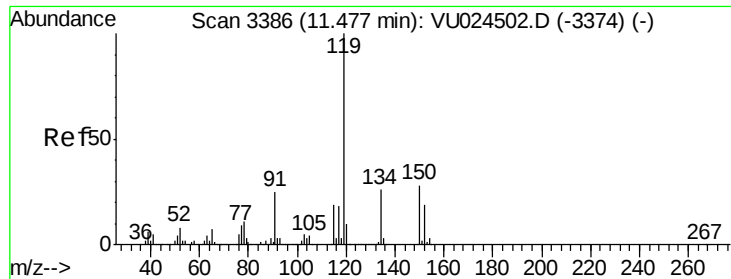
Tot Ion:105 Resp: 2149
 Ion Ratio Lower Upper
 105 100
 120 28.5 22.6 67.8



#85
 sec-Butylbenzene
 Concen: 1.99 ug/l
 RT: 11.33 min Scan# 3339
 Delta R.T. 0.00 min
 Lab File: VU024849.D
 Acq: 22 Jun 2018 22:15

Tgt Ion:105 Resp: 24553
 Ion Ratio Lower Upper
 105 100
 134 16.7 9.7 29.1

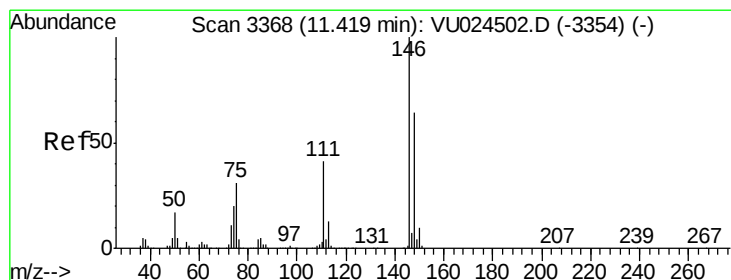
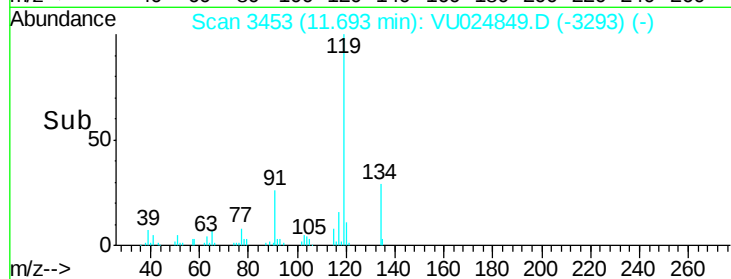
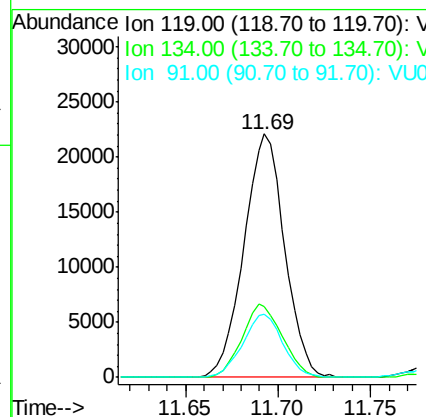
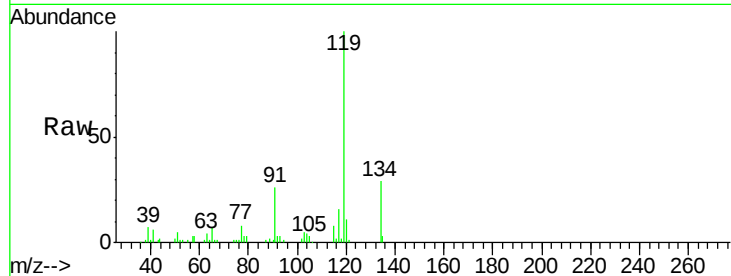




#86
 p-Isopropyltoluene
 Concen: 3.04 ug/l
 RT: 11.69 min Scan# 3453
 Delta R.T. 0.22 min
 Lab File: VU024849.D
 Acq: 22 Jun 2018 22:15

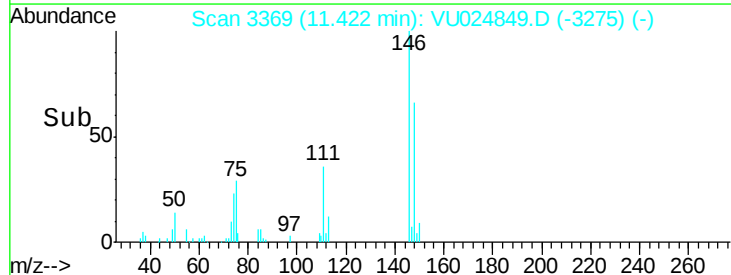
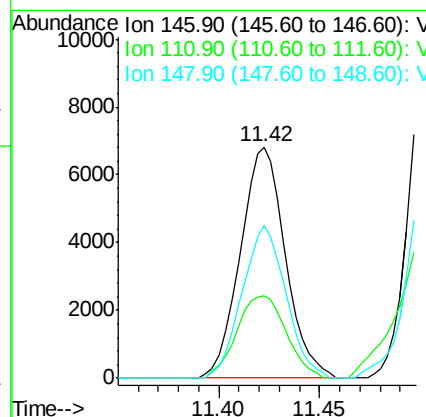
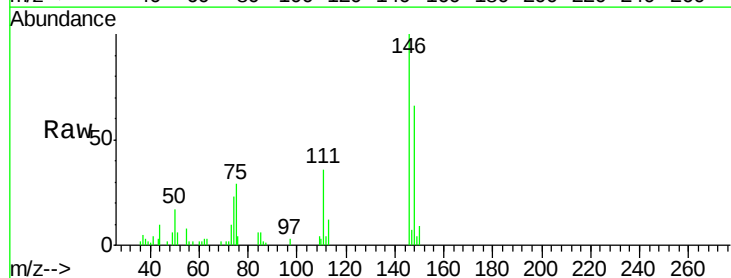
Instrument :
 MSVOA_U
 ClientSampleId :
 WP021RW246-180618

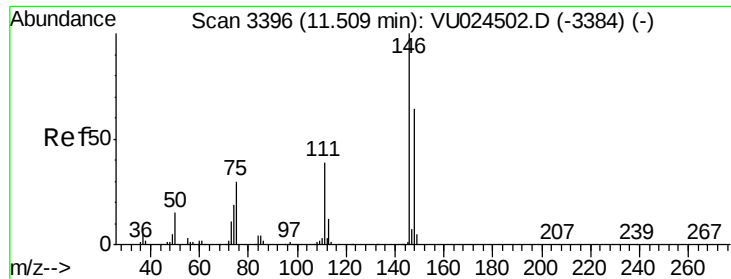
Tot Ion	Ratio	Lower	Upper
119	100		
134	29.4	12.9	38.6
91	25.6	12.0	36.1



#87
 1,3-Dichlorobenzene
 Concen: 1.92 ug/l
 RT: 11.42 min Scan# 3369
 Delta R.T. 0.00 min
 Lab File: VU024849.D
 Acq: 22 Jun 2018 22:15

Tgt Ion	Ratio	Lower	Upper
146	100		
111	39.0	20.0	60.0
148	64.1	32.1	96.5





#88

1,4-Dichlorobenzene

Concen: 5.27 ug/l

RT: 11.51 min Scan# 3397

Delta R.T. 0.00 min

Lab File: VU024849.D

Acq: 22 Jun 2018 22:15

Instrument :

MSVOA_U

ClientSampleId :

WP021RW246-180618

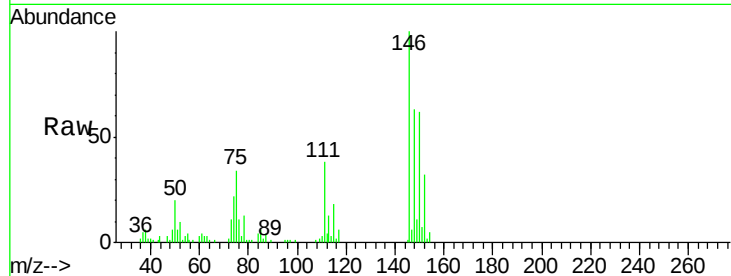
Tot Ion:146 Resp: 29368

Ion Ratio Lower Upper

146 100

111 45.7 19.5 58.5

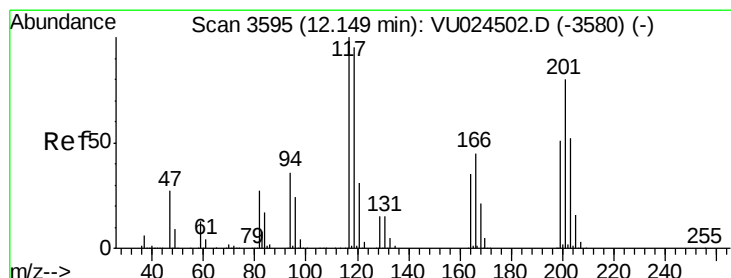
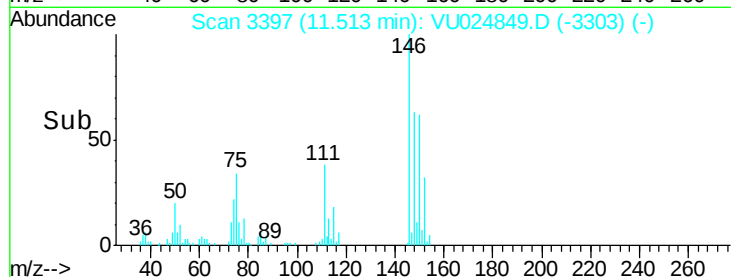
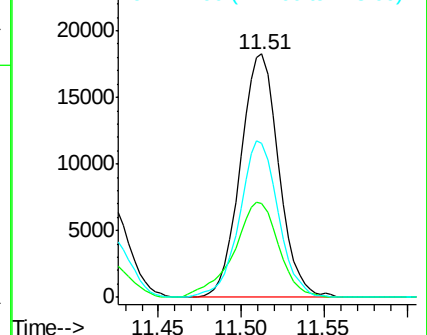
148 64.7 32.4 97.0



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



#90

Hexachloroethane

Concen: 0.40 ug/l

RT: 12.29 min Scan# 3639

Delta R.T. 0.14 min

Lab File: VU024849.D

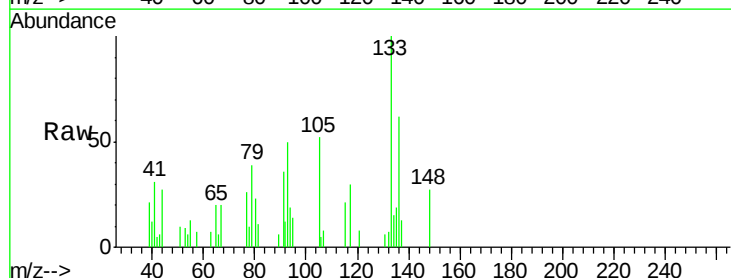
Acq: 22 Jun 2018 22:15

Tgt Ion:117 Resp: 869

Ion Ratio Lower Upper

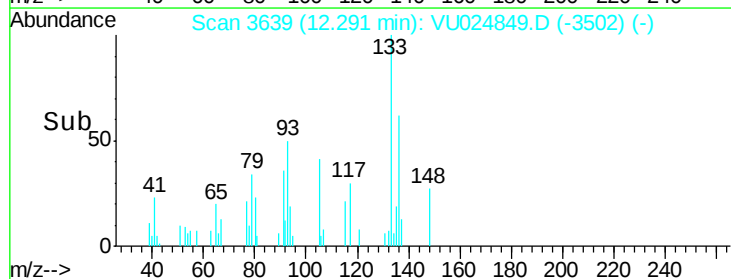
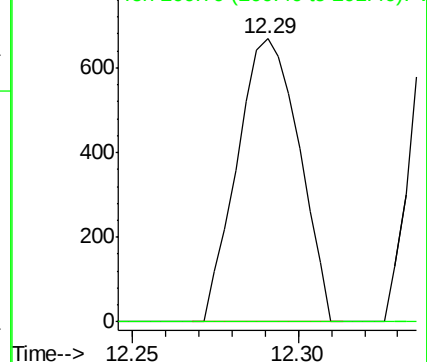
117 100

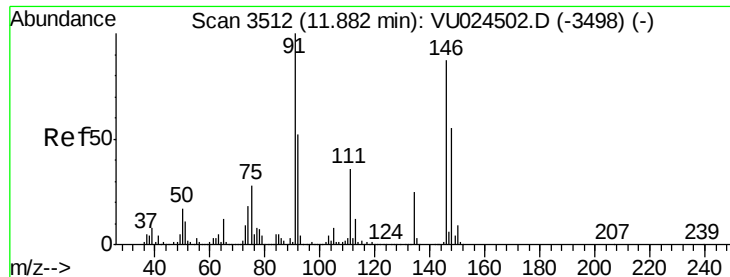
201 0.0 41.1 123.3#



Abundance Ion 116.80 (116.50 to 117.50): V

Ion 200.70 (200.40 to 201.40): V





#91

1,2-Dichlorobenzene

Concen: 11.36 ug/l

RT: 11.88 min Scan# 3512

Delta R.T. 0.00 min

Lab File: VU024849.D

Acq: 22 Jun 2018 22:15

Instrument :

MSVOA_U

ClientSampleId :

WP021RW246-180618

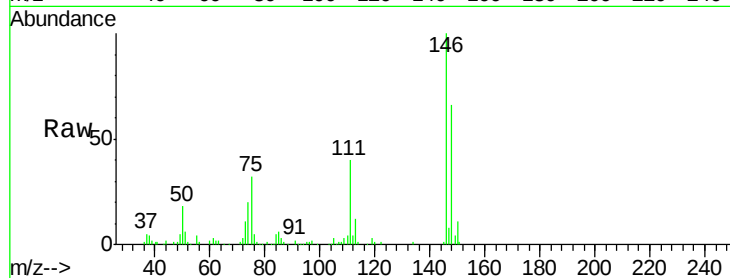
Tot Ion:146 Resp: 62944

Ion Ratio Lower Upper

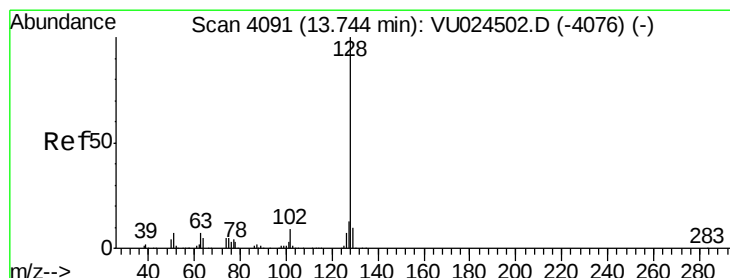
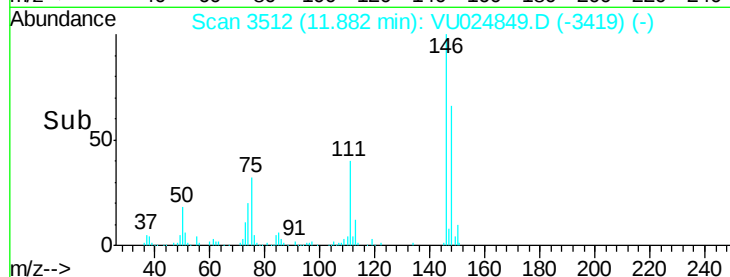
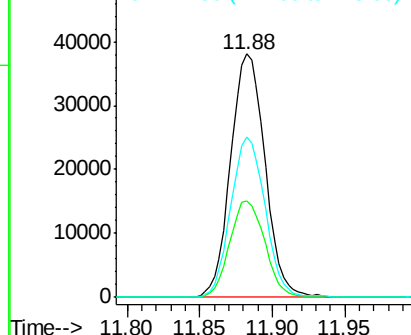
146 100

111 40.5 20.5 61.6

148 65.9 31.9 95.7



Abundance Ion 145.90 (145.60 to 146.60): V
Ion 110.90 (110.60 to 111.60): V
Ion 147.90 (147.60 to 148.60): V



#95

Naphthalene

Concen: 1.09 ug/l

RT: 13.75 min Scan# 4093

Delta R.T. 0.01 min

Lab File: VU024849.D

Acq: 22 Jun 2018 22:15

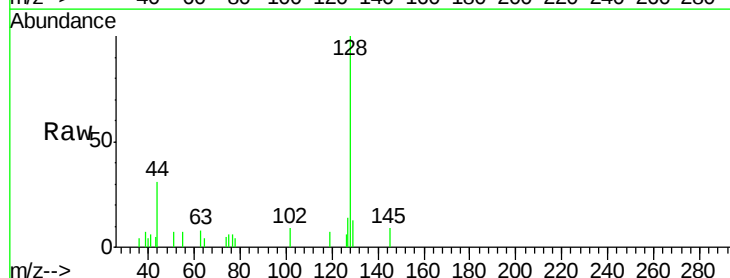
Tgt Ion:128 Resp: 4726

Ion Ratio Lower Upper

128 100

127 12.3 10.6 16.0

129 12.1 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

