

Data Path : Z:\VOASRV\HPCHEM1\MSVOA_U\DATA\VU062718\
 Data File : VU024990.D
 Acq On : 28 Jun 2018 01:21
 Operator : MD/SY
 Sample : J3670-11ME 5X
 Misc : 5.73g/5mL/100uL/5.00ML/MSVOA_U/MEOH
 ALS Vial : 38 Sample Multiplier: 1

Instrument :
 MSVOA_U
 ClientSampleId :
 WP021SB477-19-21-180621ME

Quant Time: Jun 28 02:33:05 2018
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_U\METHOD\82U061318W.M
 Quant Title : SW846 8260
 QLast Update : Wed Jun 13 13:55:26 2018
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	4.99	168	211892	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	5.89	114	325776	50.00	ug/l	0.00
63) Chlorobenzene-d5	9.09	117	300053	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	11.49	152	174145	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	160740	46.47	ug/l	0.00
Spiked Amount			Recovery	=	92.94%	
35) Dibromofluoromethane	4.89	113	126354	46.73	ug/l	0.00
Spiked Amount			Recovery	=	93.46%	
50) Toluene-d8	7.57	98	464837	47.13	ug/l	0.00
Spiked Amount			Recovery	=	94.26%	
62) 4-Bromofluorobenzene	10.31	95	181749	46.42	ug/l	0.00
Spiked Amount			Recovery	=	92.84%	

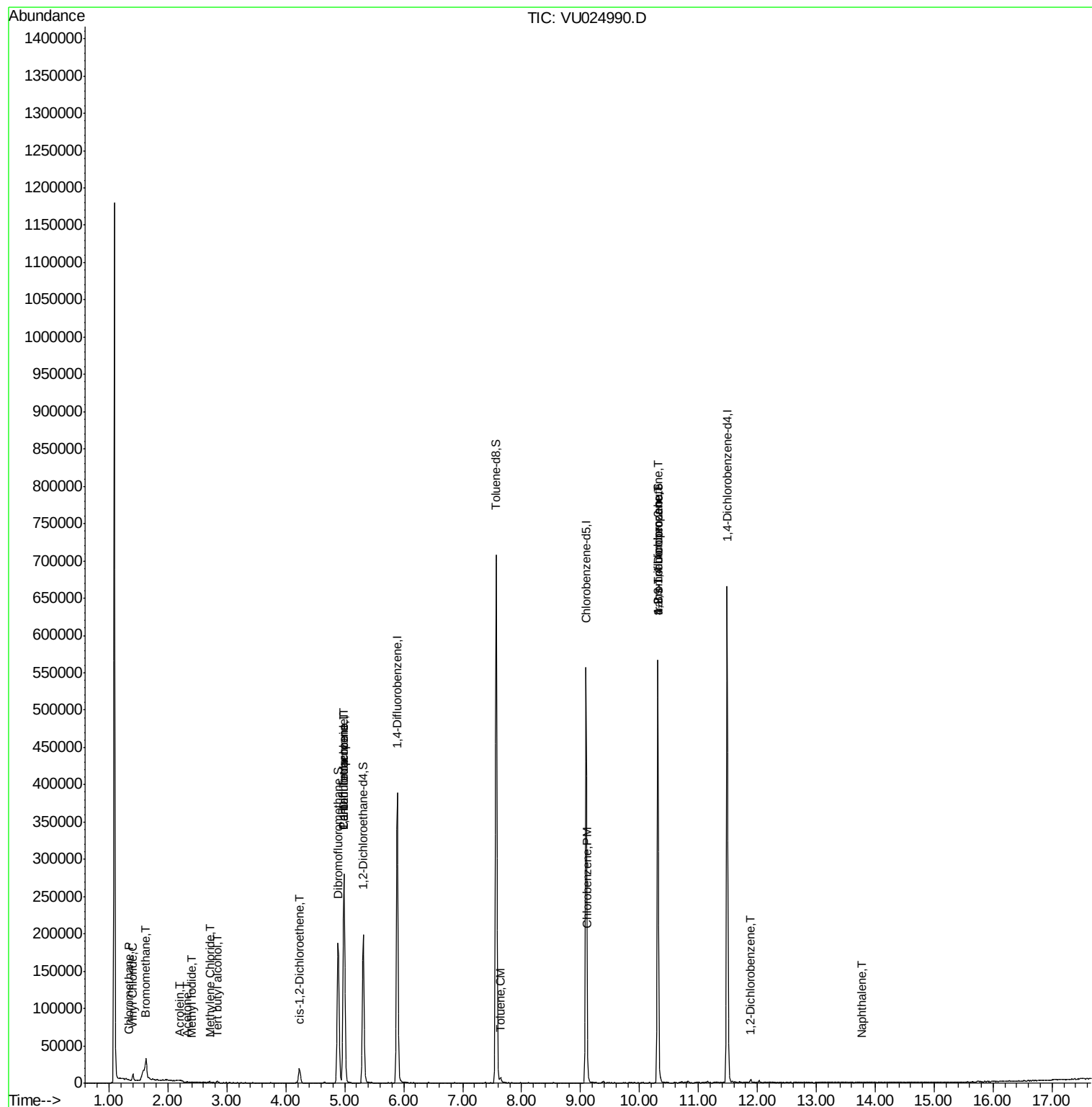
Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
3) Chloromethane	1.33	50	774	0.286	ug/l	90
4) Vinyl Chloride	1.40	62	5316	1.902	ug/l	99
5) Bromomethane	1.61	94	671	0.497	ug/l	86
6) Chloroethane	1.67	64	70	Below Cal	#	43
10) Methyl Iodide	2.40	142	122	5.337	ug/l #	40
11) Tert butyl alcohol	2.83	59	1002	1.191	ug/l #	72
13) Acrolein	2.20	56	108	0.244	ug/l #	62
16) Acetone	2.33	43	1010	0.543	ug/l	90
20) Methylene Chloride	2.71	84	735	0.252	ug/l #	69
27) cis-1,2-Dichloroethene	4.23	96	10936	3.580	ug/l	90
31) Cyclohexane	4.99	56	4333	Below Cal	#	14
36) 1,1-Dichloropropene	4.99	75	16275	4.251	ug/l #	50
38) Carbon Tetrachloride	4.99	117	20522	4.875	ug/l #	17
52) Toluene	7.64	92	3051	0.435	ug/l	96
65) Chlorobenzene	9.12	112	2415	0.315	ug/l	97
76) 1,2,3-Trichloropropane	10.31	75	93877	24.485	ug/l #	35
81) trans-1,4-Dichloro-2-buten	10.31	75	93877	56.669	ug/l #	100
91) 1,2-Dichlorobenzene	11.88	146	1763	0.281	ug/l	98
95) Naphthalene	13.79	128	544	0.721	ug/l #	69

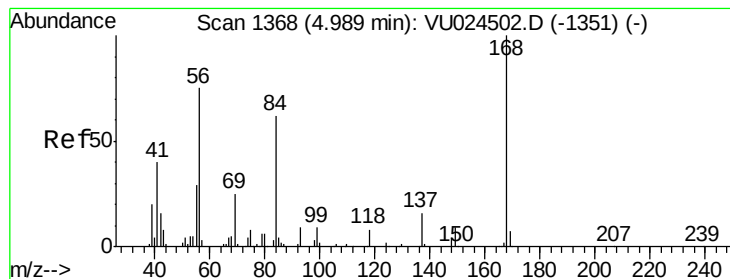
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Data Path : Z:\V0ASRV\HPCHEM1\MSVOA_U\DATA\VU062718\
Data File : VU024990.D
Acq On : 28 Jun 2018 01:21
Operator : MD/SY
Sample : J3670-11ME 5X
Misc : 5.73g/5mL/100uL/5.00ML/MSVOA_U/MEOH
ALS Vial : 38 Sample Multiplier: 1

Instrument :
MSVOA_U
ClientSampleId :
WP021SB477-19-21-180621ME

Quant Time: Jun 28 02:33:05 2018
Quant Method : Z:\V0ASRV\HPCHEM1\MSVOA_U\METHOD\82U061318W.M
Quant Title : SW846 8260
QLast Update : Wed Jun 13 13:55:26 2018
Response via : Initial Calibration





#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 4.99 min Scan# 1367

Delta R.T. -0.00 min

Lab File: VU024990.D

Acq: 28 Jun 2018 01:21

Instrument :

MSVOA_U

ClientSampleId :

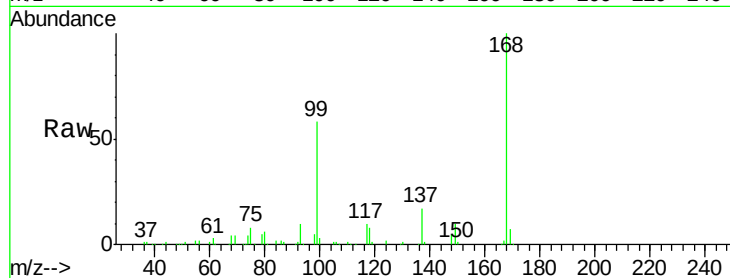
WP021SB477-19-21-180621ME

Tgt Ion:168 Resp: 211892

Ion Ratio Lower Upper

168 100

99 57.6 43.2 64.8



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

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

4.99

100000

80000

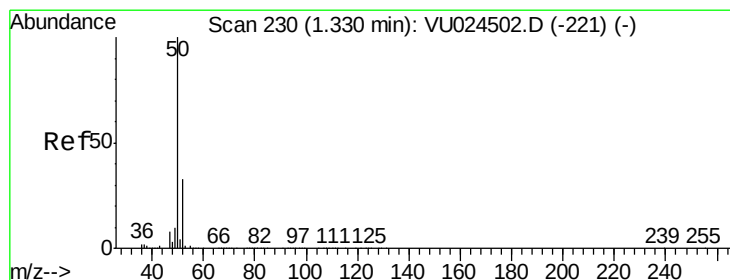
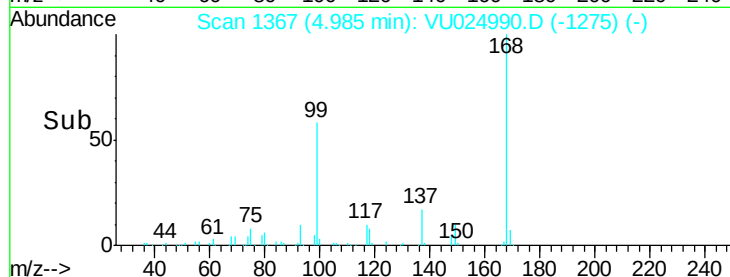
60000

40000

20000

0

Time-->



#3

Chloromethane

Concen: 0.286 ug/l

RT: 1.33 min Scan# 229

Delta R.T. -0.00 min

Lab File: VU024990.D

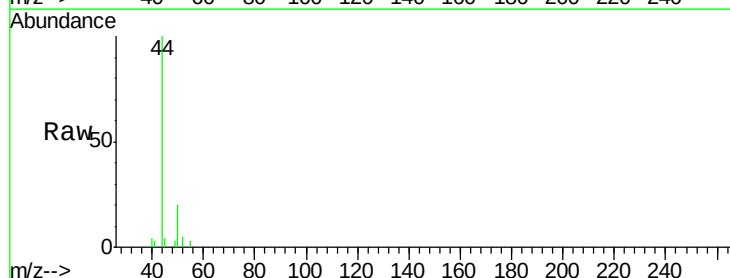
Acq: 28 Jun 2018 01:21

Tgt Ion: 50 Resp: 774

Ion Ratio Lower Upper

50 100

52 27.4 26.4 39.6



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

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

1.33

800

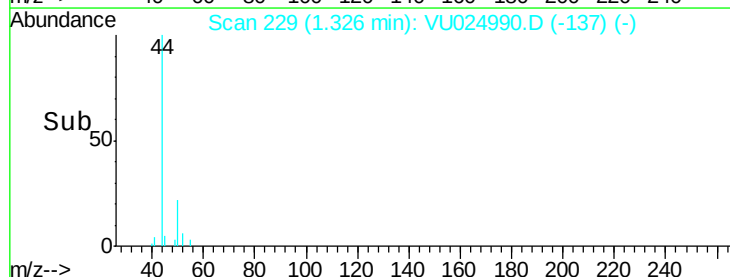
600

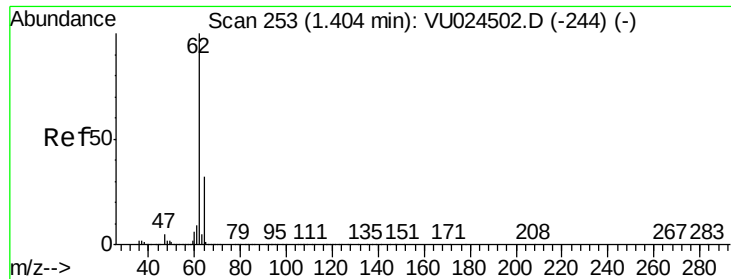
400

200

0

Time-->





#4

Vinyl Chloride

Concen: 1.902 ug/l

RT: 1.40 min Scan# 253

Delta R.T. -0.00 min

Lab File: VU024990.D

Acq: 28 Jun 2018 01:21

Instrument :

MSVOA_U

ClientSampleId :

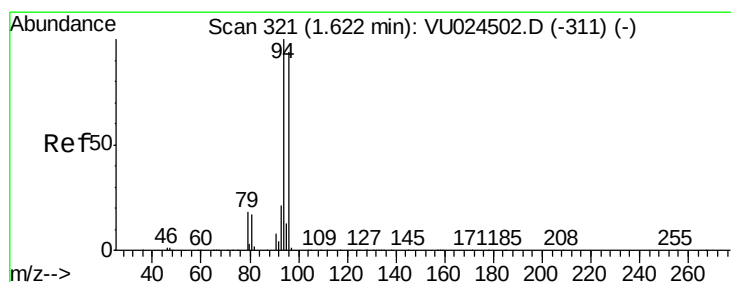
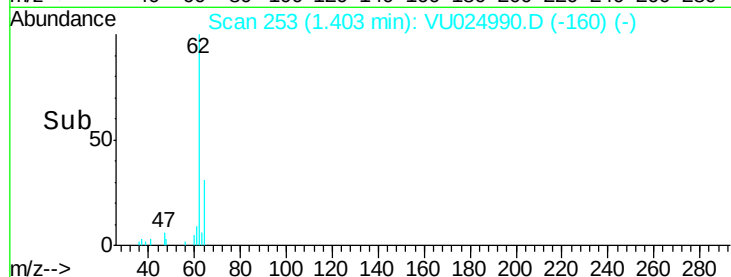
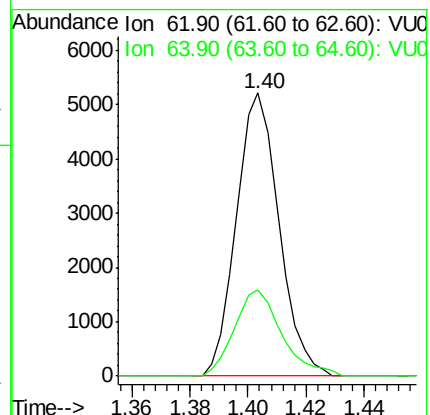
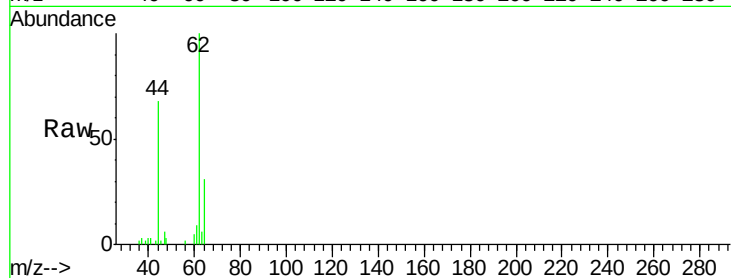
WP021SB477-19-21-180621ME

Tgt Ion: 62 Resp: 5316

Ion Ratio Lower Upper

62 100

64 30.6 24.8 37.2



#5

Bromomethane

Concen: 0.497 ug/l

RT: 1.61 min Scan# 318

Delta R.T. -0.01 min

Lab File: VU024990.D

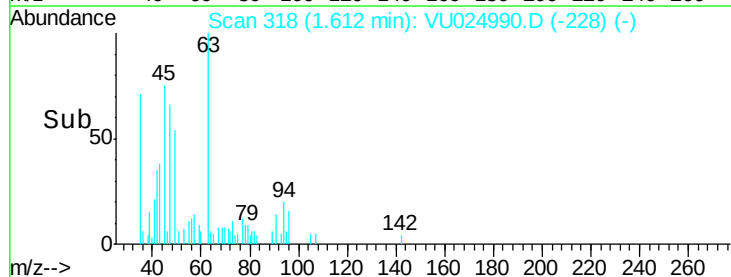
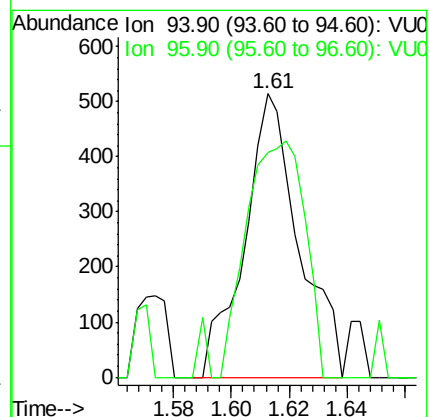
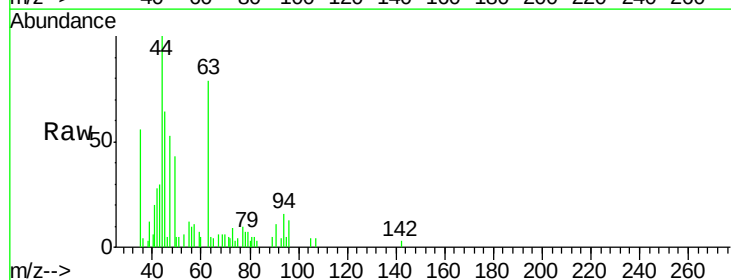
Acq: 28 Jun 2018 01:21

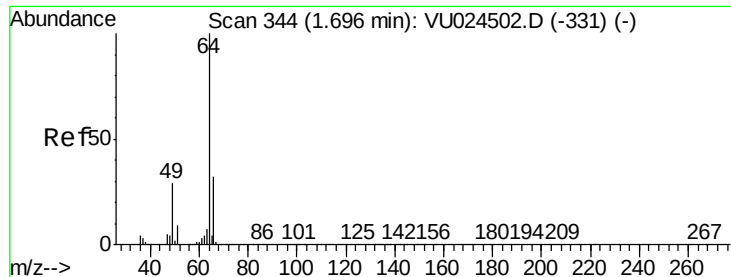
Tgt Ion: 94 Resp: 671

Ion Ratio Lower Upper

94 100

96 79.6 74.5 111.7





#6

Chloroethane

Concen: Below Cal

RT: 1.67 min Scan# 337

Delta R.T. -0.02 min

Lab File: VU024990.D

Acq: 28 Jun 2018 01:21

Instrument :

MSVOA_U

ClientSampleId :

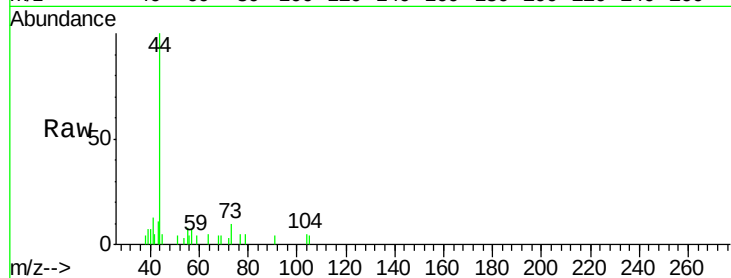
WP021SB477-19-21-180621ME

Tgt Ion: 64 Resp: 70

Ion Ratio Lower Upper

64 100

66 0.0 25.5 38.3#



Abundance Ion 63.90 (63.60 to 64.60): VU024502.D (-331) (-)

Ion 65.90 (65.60 to 66.60): VU024502.D (-331) (-)

1.67

150

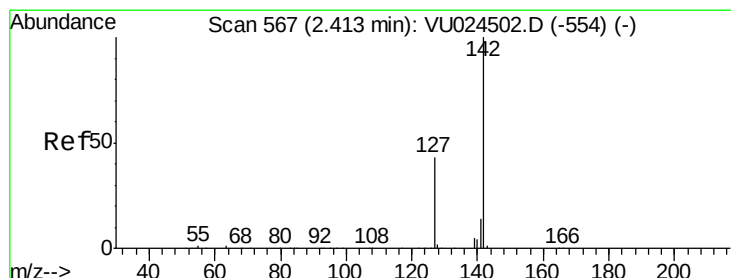
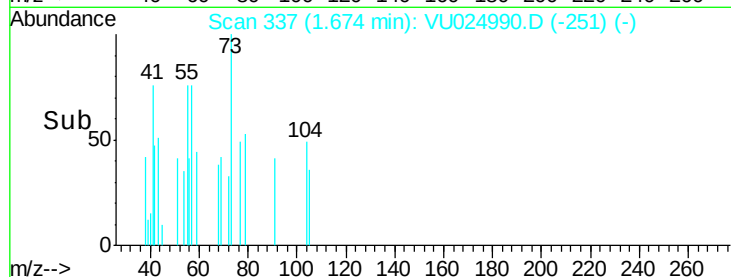
100

50

0

1.66 1.67 1.68 1.69

Time-->



#10

Methyl Iodide

Concen: 5.337 ug/l

RT: 2.40 min Scan# 564

Delta R.T. -0.01 min

Lab File: VU024990.D

Acq: 28 Jun 2018 01:21

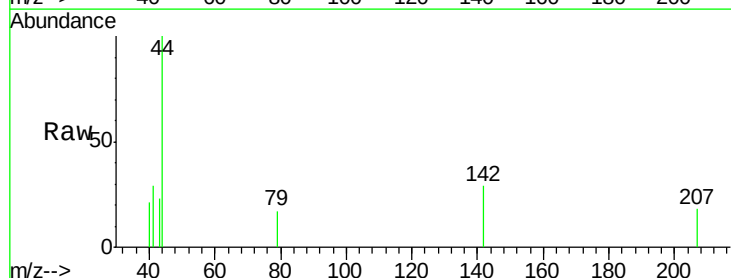
Tgt Ion: 142 Resp: 122

Ion Ratio Lower Upper

142 100

127 0.0 35.6 53.4#

141 0.0 11.7 17.5#



Abundance Ion 141.80 (141.50 to 142.50): VU024502.D (-554) (-)

Ion 126.80 (126.50 to 127.50): VU024502.D (-554) (-)

Ion 140.80 (140.50 to 141.50): VU024502.D (-554) (-)

2.40

250

200

150

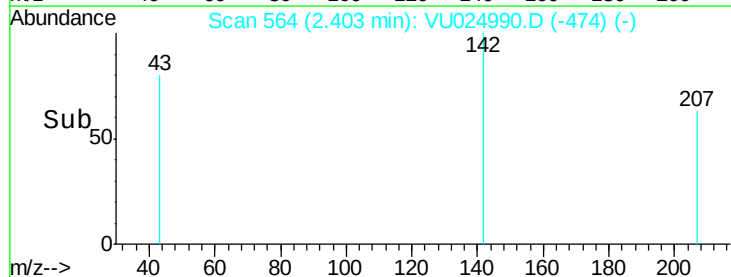
100

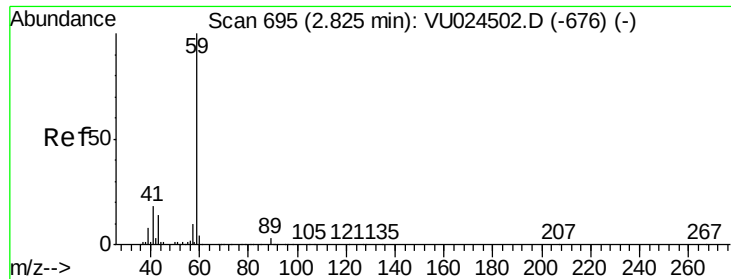
50

0

2.39 2.40 2.41

Time-->

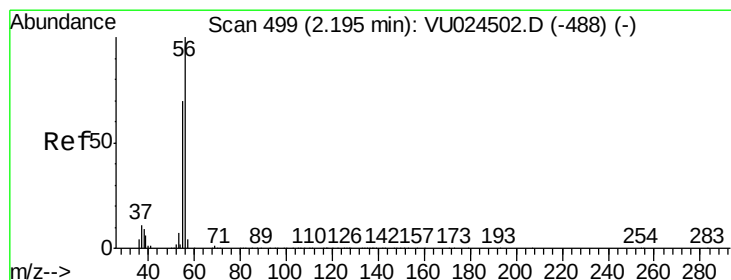
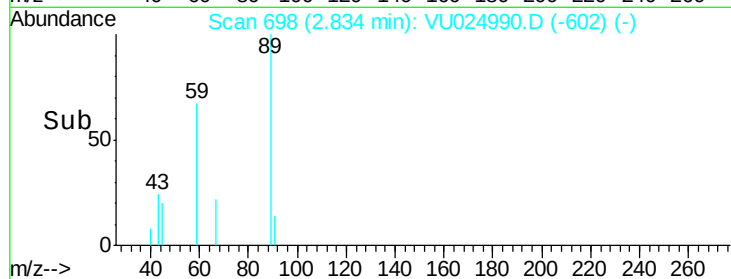
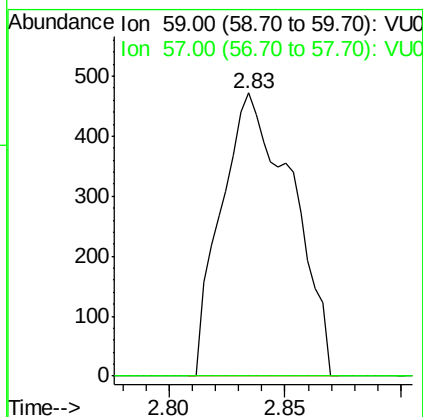
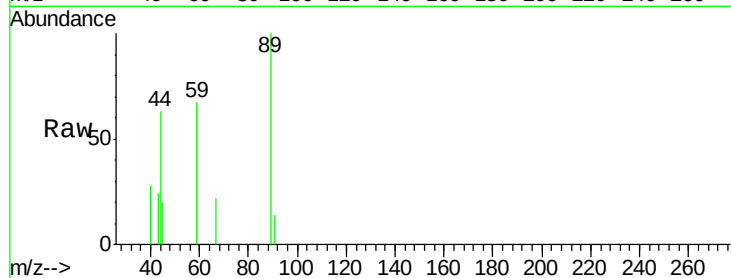




#11
Tert butyl alcohol
Concen: 1.191 ug/l
RT: 2.83 min Scan# 698
Delta R.T. 0.01 min
Lab File: VU024990.D
Acq: 28 Jun 2018 01:21

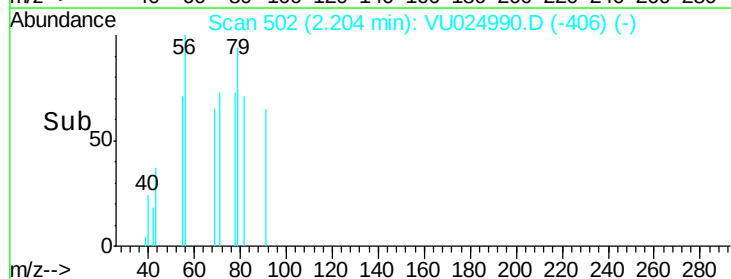
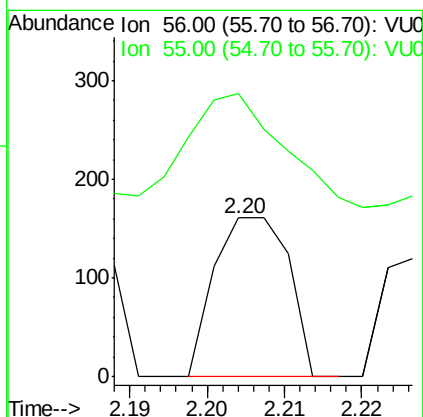
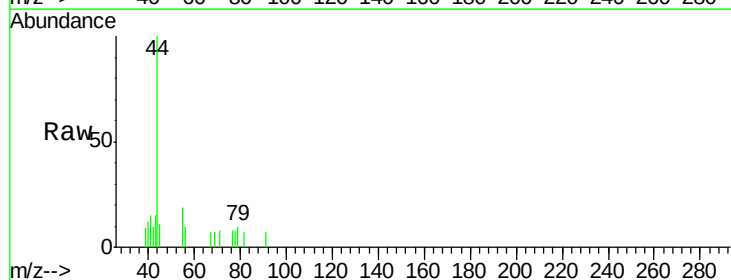
Instrument :
MSVOA_U
ClientSampleId :
WP021SB477-19-21-180621ME

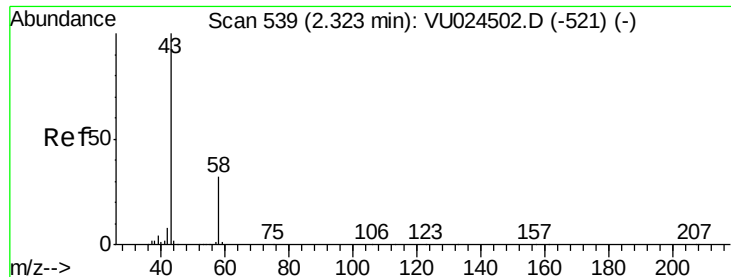
Tgt Ion: 59 Resp: 1002
Ion Ratio Lower Upper
59 100
57 0.0 8.5 12.7#



#13
Acrolein
Concen: 0.244 ug/l
RT: 2.20 min Scan# 502
Delta R.T. 0.01 min
Lab File: VU024990.D
Acq: 28 Jun 2018 01:21

Tgt Ion: 56 Resp: 108
Ion Ratio Lower Upper
56 100
55 104.6 58.4 87.6#





#16

Acetone

Concen: 0.543 ug/l

RT: 2.33 min Scan# 541

Delta R.T. 0.01 min

Lab File: VU024990.D

Acq: 28 Jun 2018 01:21

Instrument :

MSVOA_U

ClientSampleId :

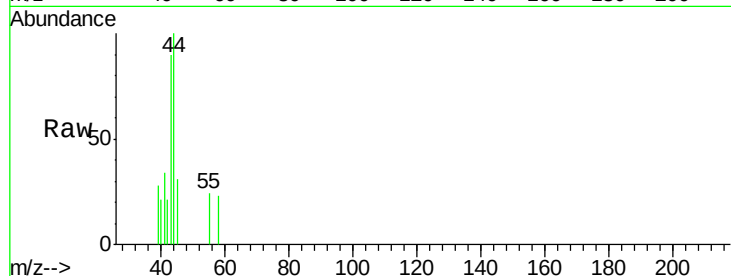
WP021SB477-19-21-180621ME

Tgt Ion: 43 Resp: 1010

Ion Ratio Lower Upper

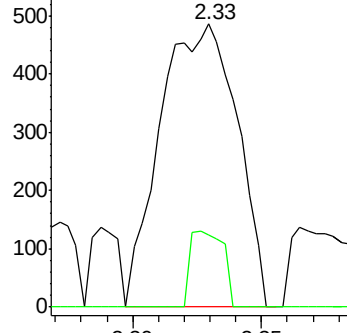
43 100

58 25.3 24.4 36.6

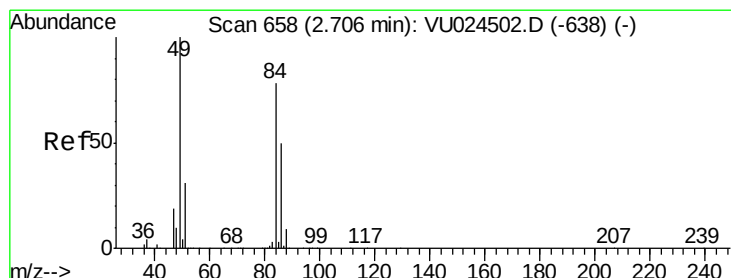
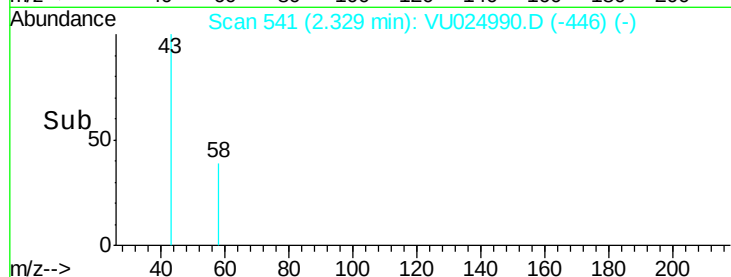


Abundance Ion 43.00 (42.70 to 43.70): VU0

Ion 58.00 (57.70 to 58.70): VU0



Time-->



#20

Methylene Chloride

Concen: 0.252 ug/l

RT: 2.71 min Scan# 658

Delta R.T. -0.00 min

Lab File: VU024990.D

Acq: 28 Jun 2018 01:21

Tgt Ion: 84 Resp: 735

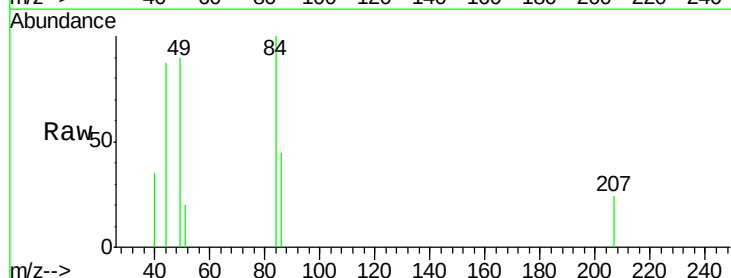
Ion Ratio Lower Upper

84 100

49 90.3 103.8 155.8#

51 20.3 32.0 48.0#

86 45.4 51.6 77.4#

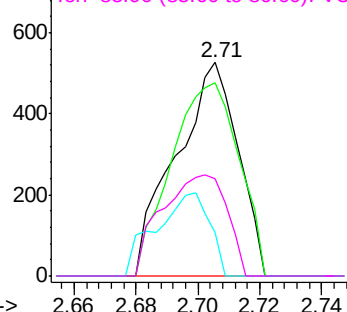


Abundance Ion 83.90 (83.60 to 84.60): VU0

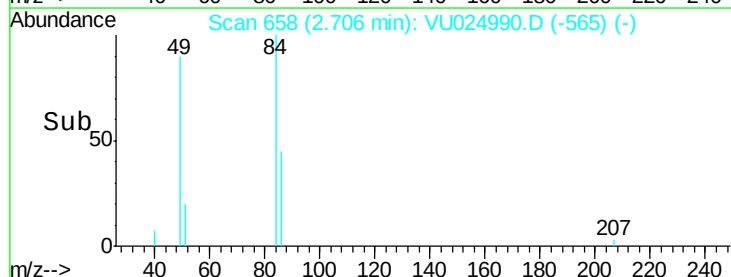
Ion 48.90 (48.60 to 49.60): VU0

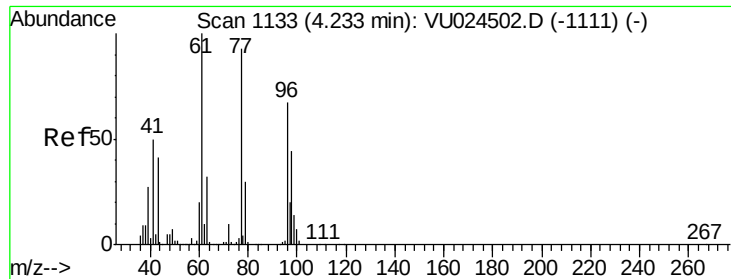
Ion 50.90 (50.60 to 51.60): VU0

Ion 85.90 (85.60 to 86.60): VU0



Time-->





#27

cis-1,2-Dichloroethene

Concen: 3.580 ug/l

RT: 4.23 min Scan# 1133

Delta R.T. -0.00 min

Lab File: VU024990.D

Acq: 28 Jun 2018 01:21

Instrument :

MSVOA_U

ClientSampleId :

WP021SB477-19-21-180621ME

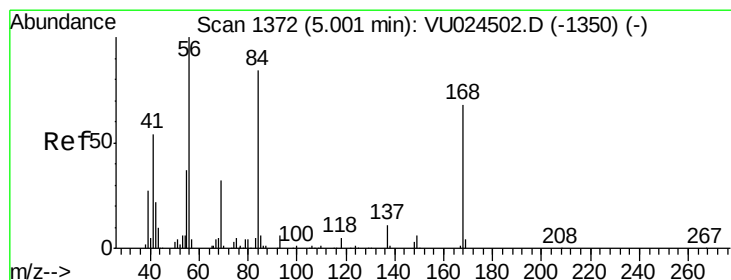
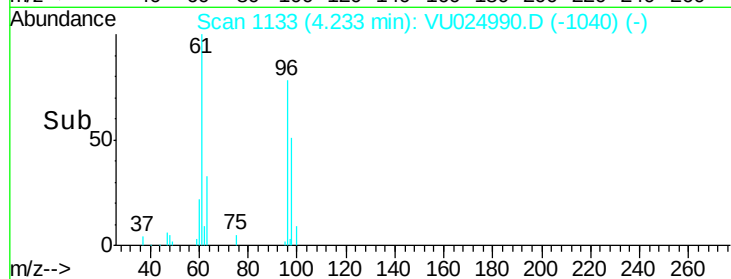
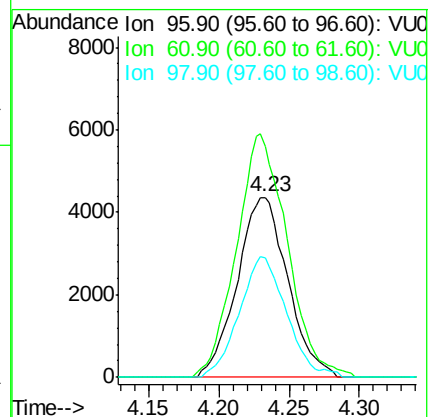
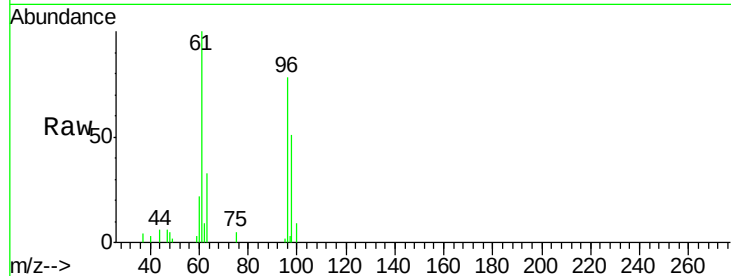
Tgt Ion: 96 Resp: 10936

Ion Ratio Lower Upper

96 100

61 135.7 0.0 306.6

98 62.6 0.0 128.8



#31

Cyclohexane

Concen: Below Cal

RT: 4.99 min Scan# 1368

Delta R.T. -0.01 min

Lab File: VU024990.D

Acq: 28 Jun 2018 01:21

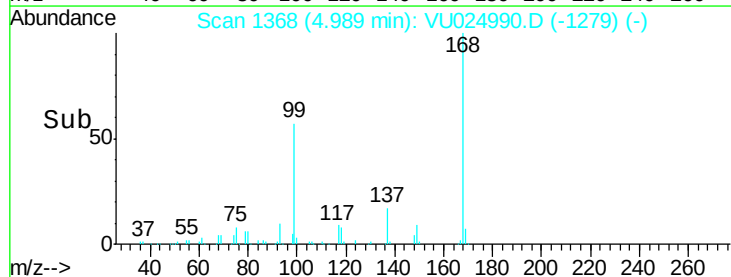
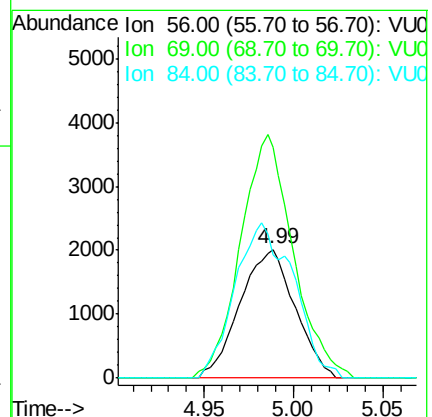
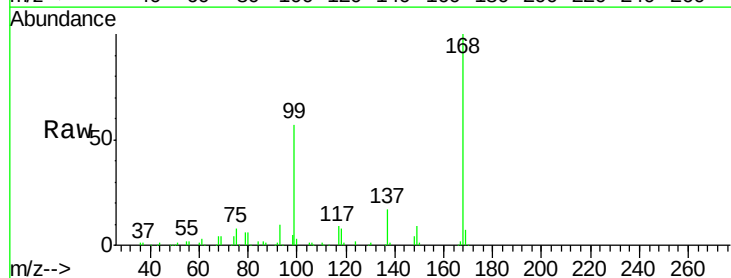
Tgt Ion: 56 Resp: 4333

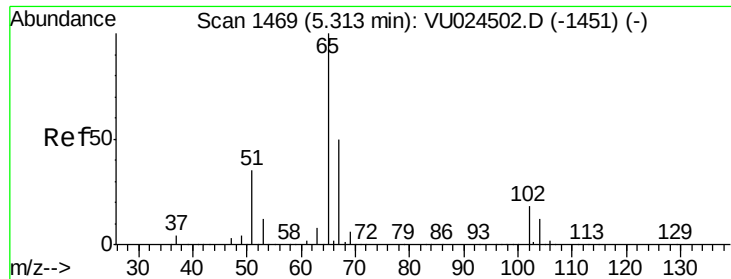
Ion Ratio Lower Upper

56 100

69 179.5 24.8 37.2#

84 96.1 65.2 97.8

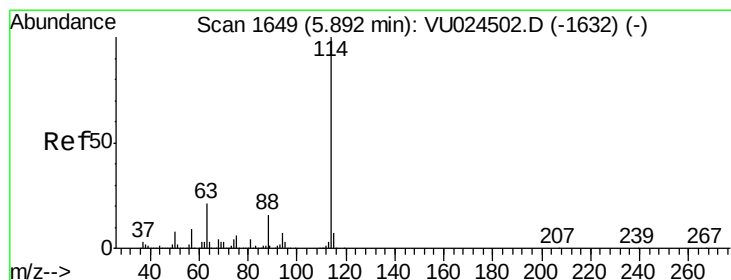
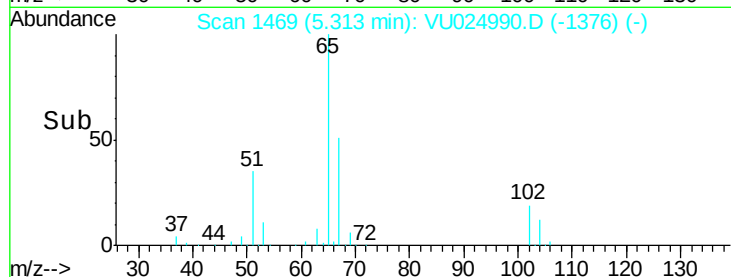
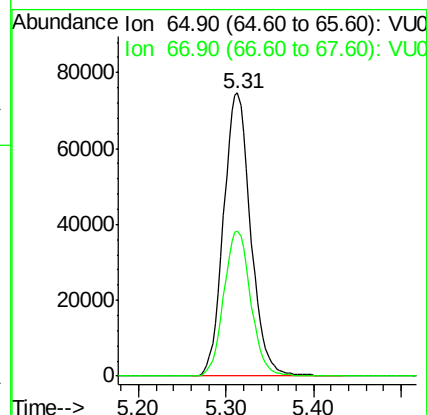
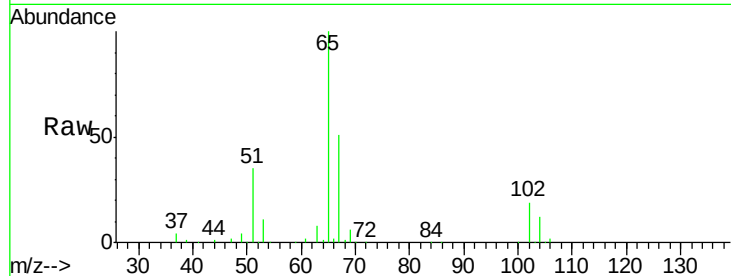




#33
 1,2-Dichloroethane-d4
 Concen: 46.468 ug/l
 RT: 5.31 min Scan# 1469
 Delta R.T. -0.00 min
 Lab File: VU024990.D
 Acq: 28 Jun 2018 01:21

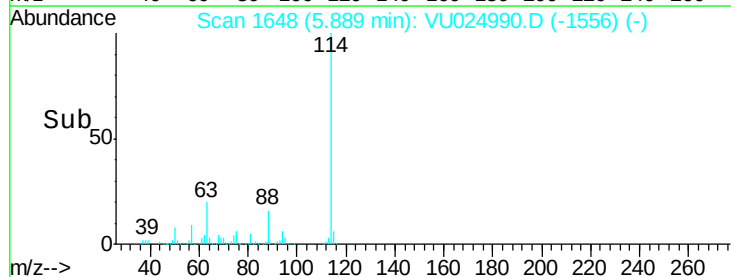
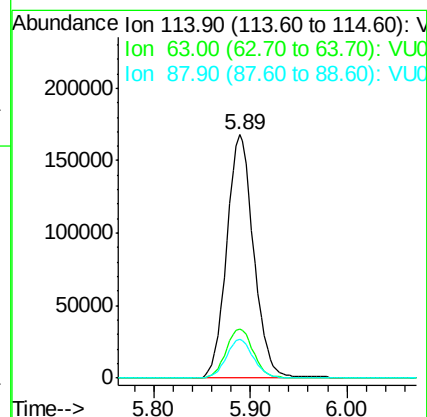
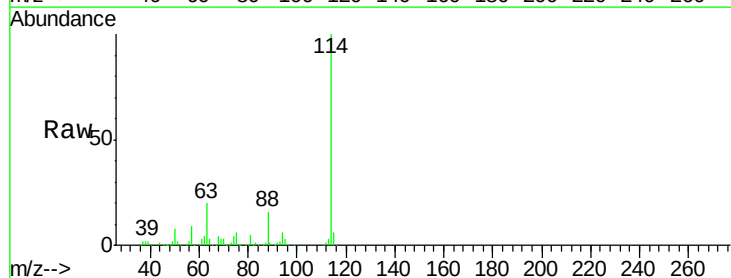
Instrument :
 MSVOA_U
 ClientSampleId :
 WP021SB477-19-21-180621ME

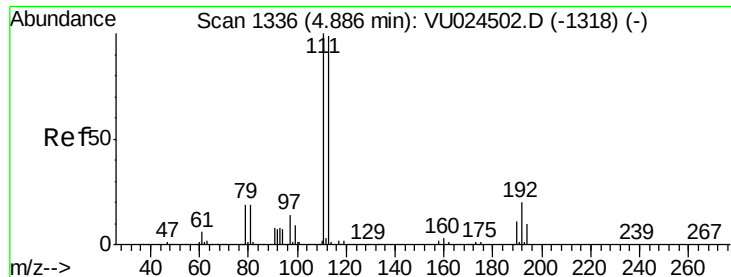
Tgt Ion: 65 Resp: 160740
 Ion Ratio Lower Upper
 65 100
 67 50.8 0.0 107.0



#34
 1,4-Difluorobenzene
 Concen: 50.000 ug/l
 RT: 5.89 min Scan# 1648
 Delta R.T. -0.00 min
 Lab File: VU024990.D
 Acq: 28 Jun 2018 01:21

Tgt Ion: 114 Resp: 325776
 Ion Ratio Lower Upper
 114 100
 63 20.2 0.0 45.4
 88 16.0 0.0 31.0





#35

Dibromofluoromethane

Concen: 46.734 ug/l

RT: 4.89 min Scan# 1336

Delta R.T. -0.00 min

Lab File: VU024990.D

Acq: 28 Jun 2018 01:21

Instrument :

MSVOA_U

ClientSampleId :

WP021SB477-19-21-180621ME

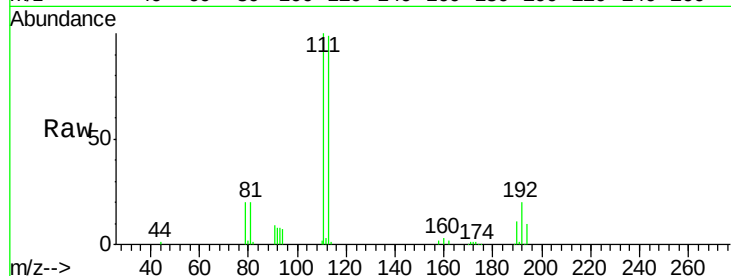
Tgt Ion:113 Resp: 126354

Ion Ratio Lower Upper

113 100

111 102.0 82.2 123.4

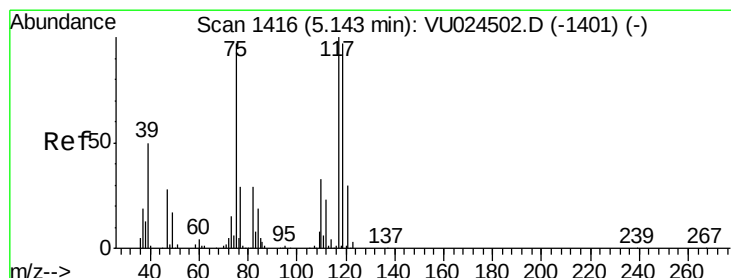
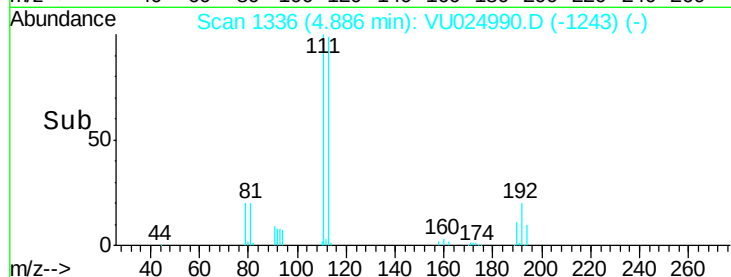
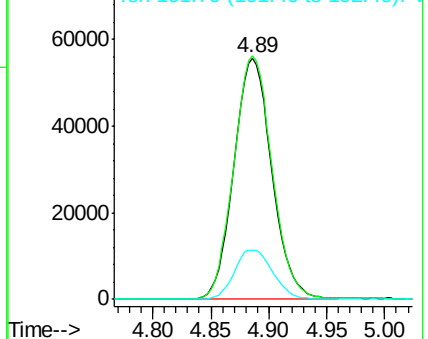
192 20.7 16.2 24.4



Abundance Ion 112.80 (112.50 to 113.50): V

Ion 110.80 (110.50 to 111.50): V

Ion 191.70 (191.40 to 192.40): V



#36

1,1-Dichloropropene

Concen: 4.251 ug/l

RT: 4.99 min Scan# 1367

Delta R.T. -0.16 min

Lab File: VU024990.D

Acq: 28 Jun 2018 01:21

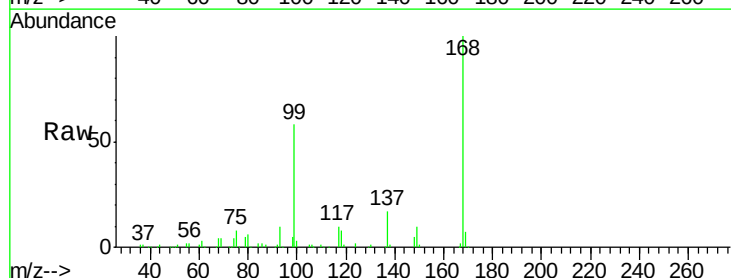
Tgt Ion: 75 Resp: 16275

Ion Ratio Lower Upper

75 100

110 8.6 17.0 50.9#

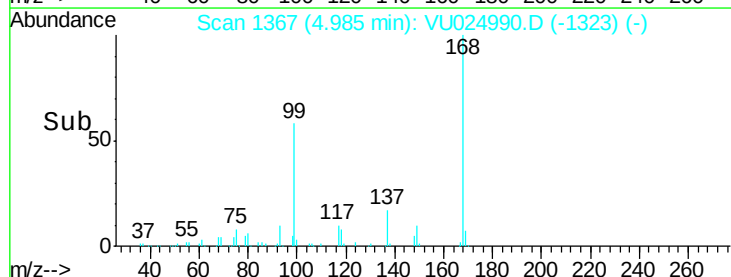
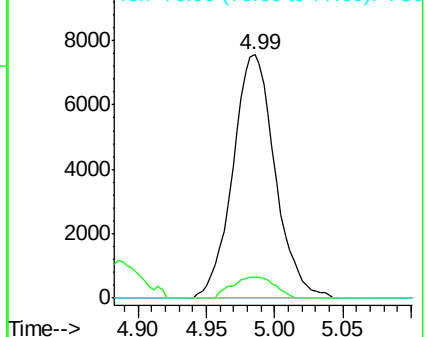
77 0.0 24.2 36.4#

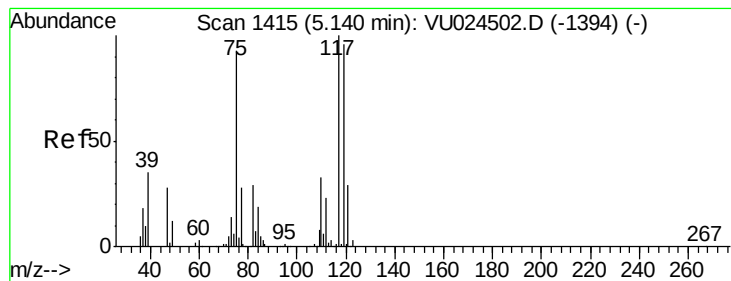


Abundance Ion 74.90 (74.60 to 75.60): VU0

Ion 109.90 (109.60 to 110.60): V

Ion 76.90 (76.60 to 77.60): VU0





#38

Carbon Tetrachloride

Concen: 4.875 ug/l

RT: 4.99 min Scan# 1367

Delta R.T. -0.15 min

Lab File: VU024990.D

Acq: 28 Jun 2018 01:21

Instrument :

MSVOA_U

ClientSampleId :

WP021SB477-19-21-180621ME

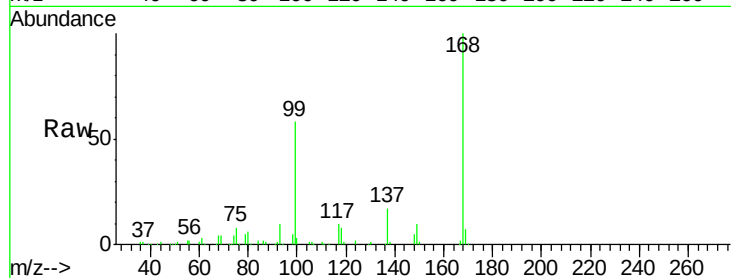
Tgt Ion:117 Resp: 20522

Ion Ratio Lower Upper

117 100

119 6.4 76.1 114.1#

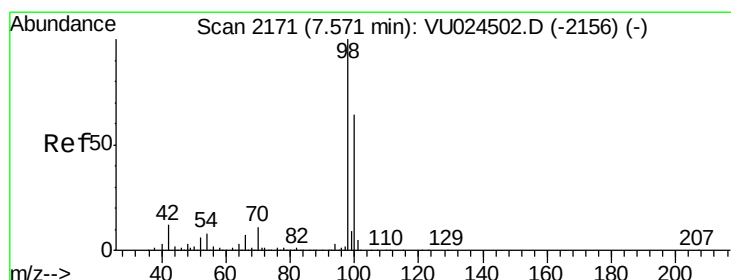
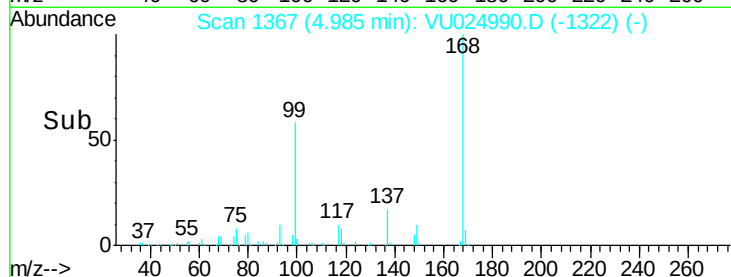
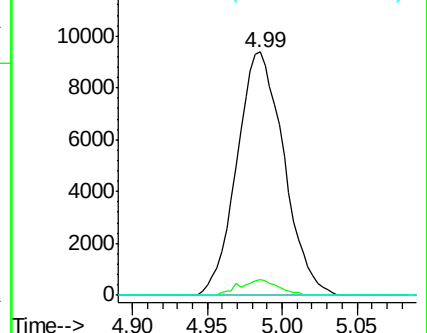
121 0.0 23.7 35.5#



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



#50

Toluene-d8

Concen: 47.134 ug/l

RT: 7.57 min Scan# 2170

Delta R.T. -0.00 min

Lab File: VU024990.D

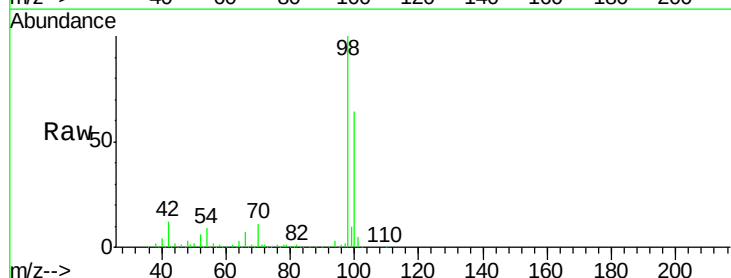
Acq: 28 Jun 2018 01:21

Tgt Ion: 98 Resp: 464837

Ion Ratio Lower Upper

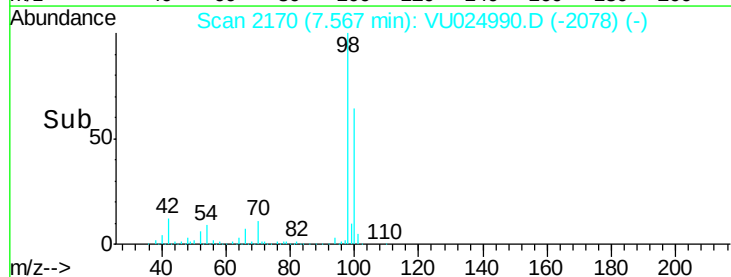
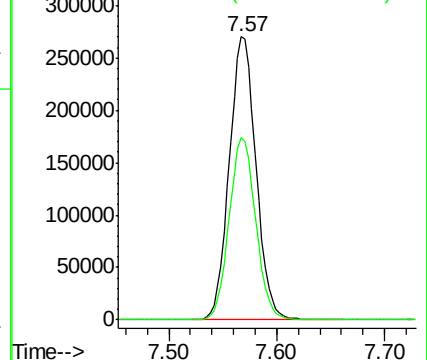
98 100

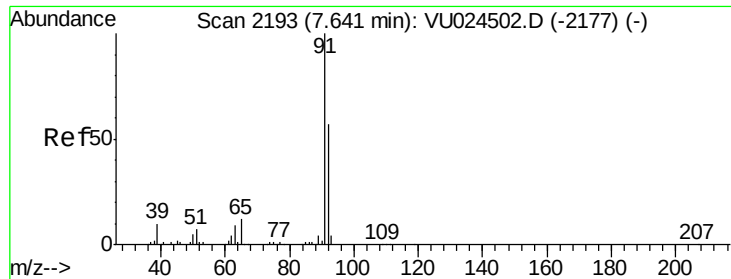
100 64.0 51.1 76.7



Abundance Ion 98.00 (97.70 to 98.70): VU0

Ion 100.00 (99.70 to 100.70): VU





#52

Toluene

Concen: 0.435 ug/l

RT: 7.64 min Scan# 2194

Delta R.T. 0.00 min

Lab File: VU024990.D

Acq: 28 Jun 2018 01:21

Instrument :

MSVOA_U

ClientSampleId :

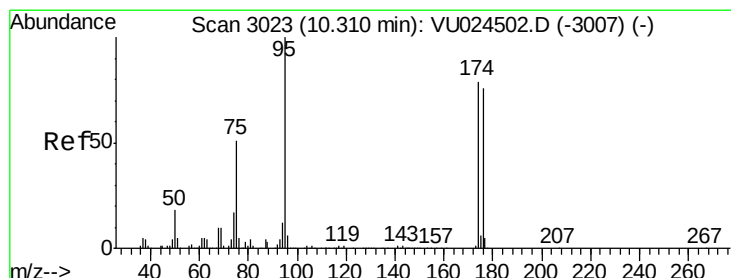
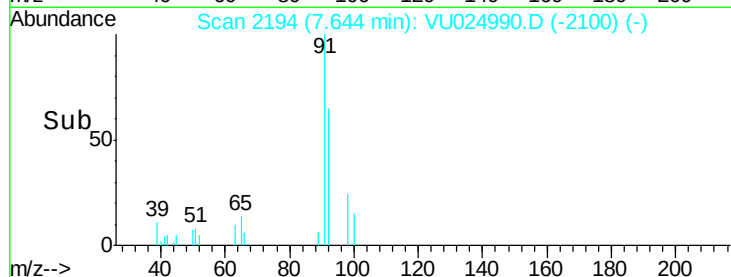
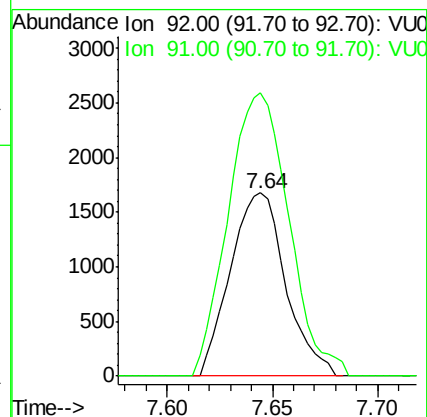
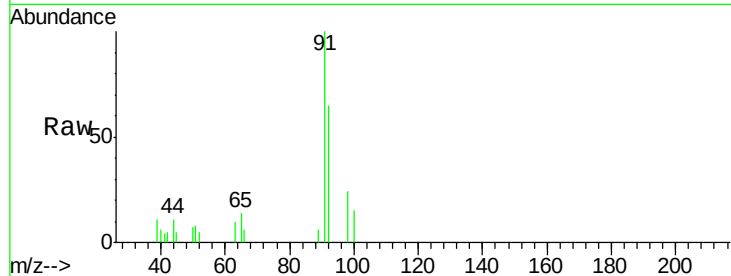
WP021SB477-19-21-180621ME

Tgt Ion: 92 Resp: 3051

Ion Ratio Lower Upper

92 100

91 169.7 140.5 210.7



#62

4-Bromofluorobenzene

Concen: 46.417 ug/l

RT: 10.31 min Scan# 3023

Delta R.T. -0.00 min

Lab File: VU024990.D

Acq: 28 Jun 2018 01:21

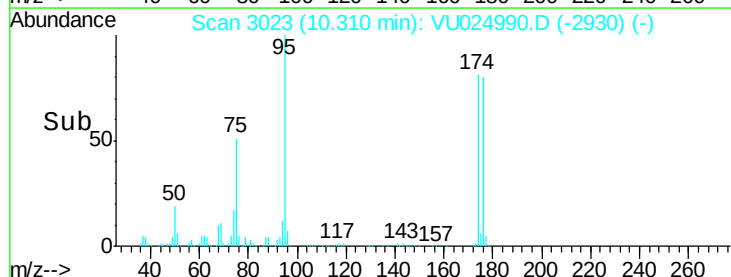
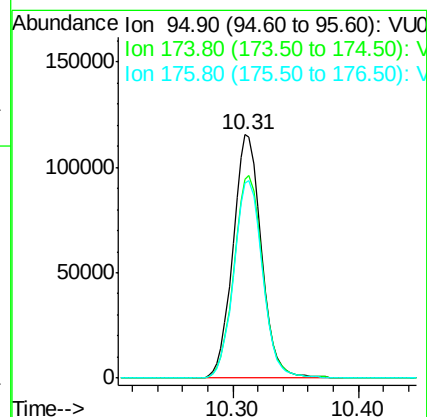
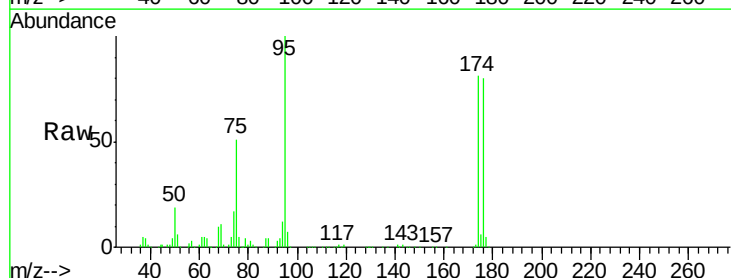
Tgt Ion: 95 Resp: 181749

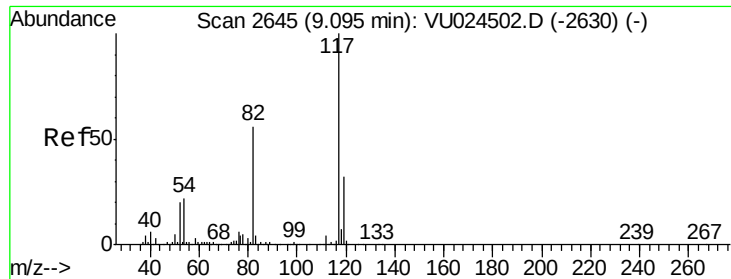
Ion Ratio Lower Upper

95 100

174 84.4 0.0 165.8

176 82.4 0.0 159.4

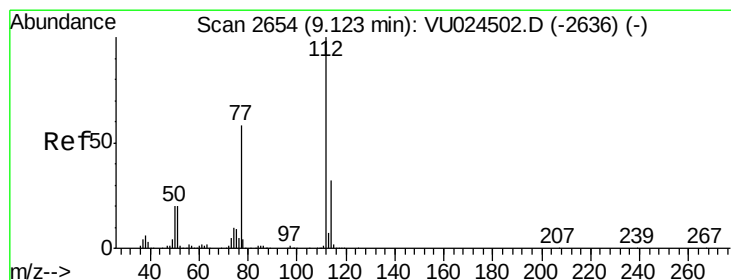
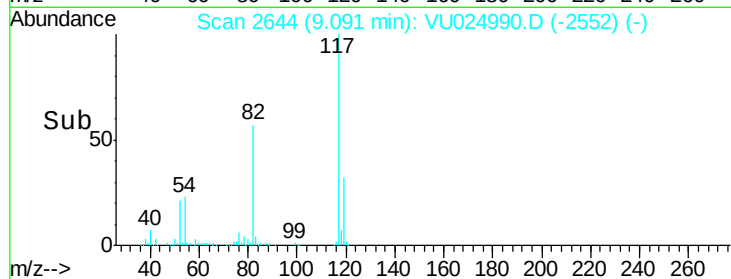
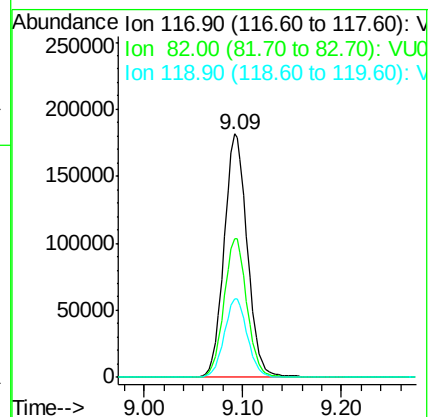
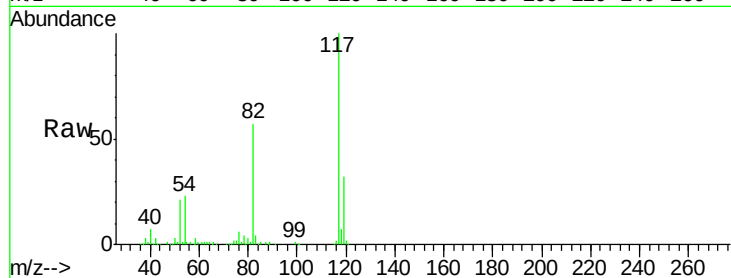




#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 9.09 min Scan# 2644
Delta R.T. -0.00 min
Lab File: VU024990.D
Acq: 28 Jun 2018 01:21

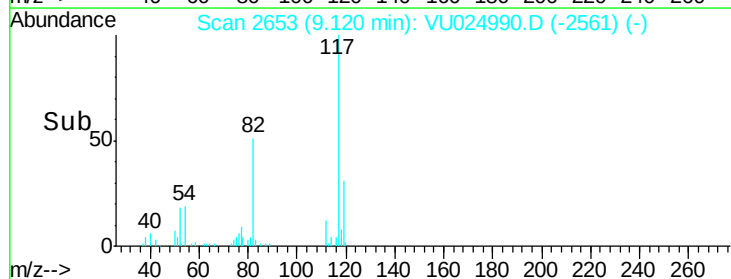
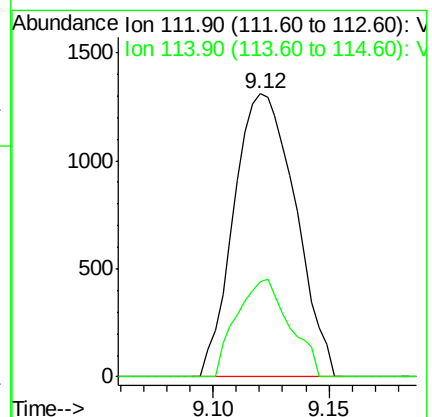
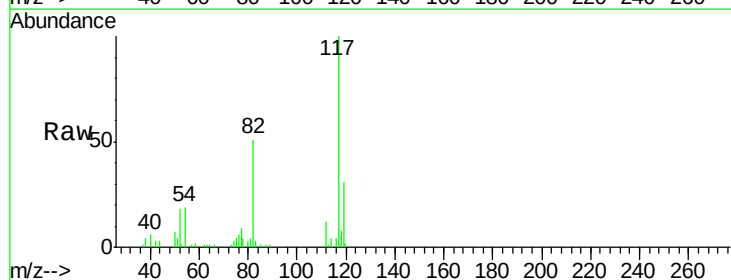
Instrument :
MSVOA_U
ClientSampleId :
WP021SB477-19-21-180621ME

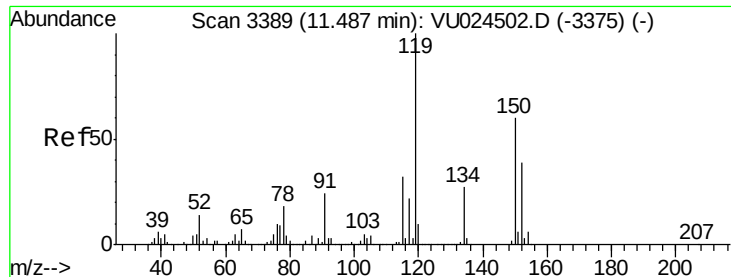
Tgt Ion	Ratio	Lower	Upper
117	100		
82	57.2	44.3	66.5
119	32.3	25.4	38.2



#65
Chlorobenzene
Concen: 0.315 ug/l
RT: 9.12 min Scan# 2653
Delta R.T. -0.00 min
Lab File: VU024990.D
Acq: 28 Jun 2018 01:21

Tgt Ion	Ratio	Lower	Upper
112	100		
114	33.8	25.6	38.4





#72

1,4-Dichlorobenzene-d4

Concen: 50.000 ug/l

RT: 11.49 min Scan# 3389

Delta R.T. -0.00 min

Lab File: VU024990.D

Acq: 28 Jun 2018 01:21

Instrument :

MSVOA_U

ClientSampleId :

WP021SB477-19-21-180621ME

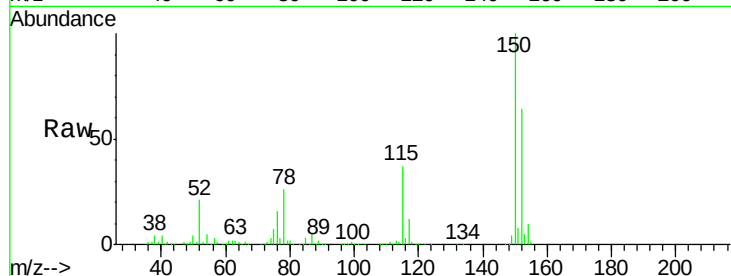
Tgt Ion:152 Resp: 174145

Ion Ratio Lower Upper

152 100

115 57.7 43.0 129.0

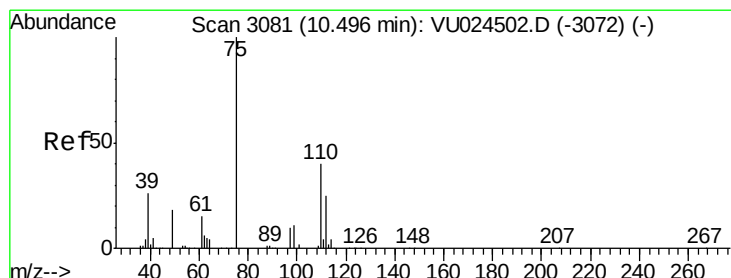
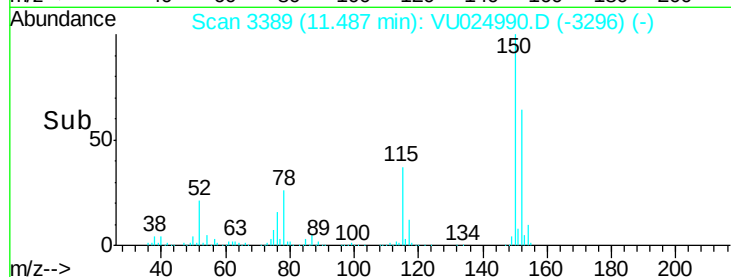
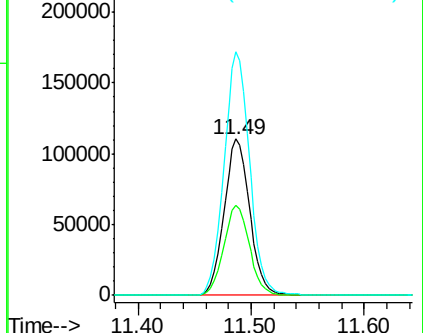
150 155.2 0.0 354.0



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



#76

1,2,3-Trichloropropane

Concen: 24.485 ug/l

RT: 10.31 min Scan# 3023

Delta R.T. -0.19 min

Lab File: VU024990.D

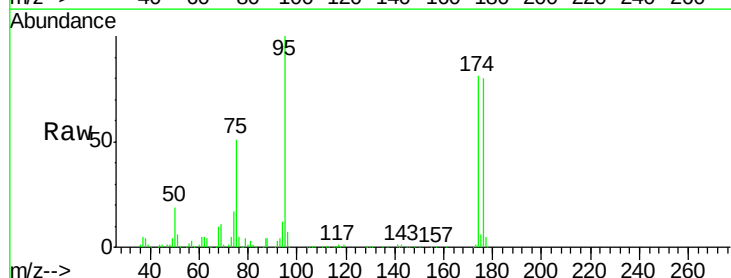
Acq: 28 Jun 2018 01:21

Tgt Ion: 75 Resp: 93877

Ion Ratio Lower Upper

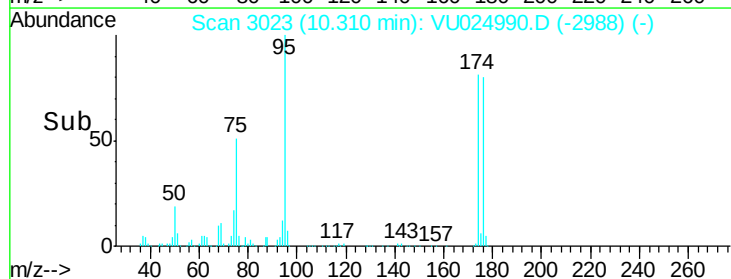
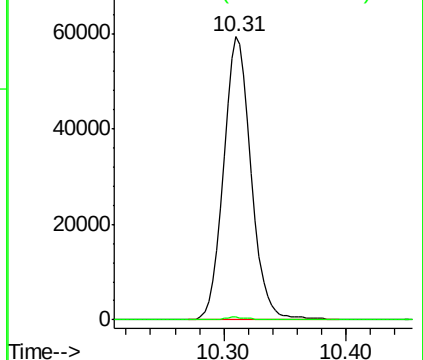
75 100

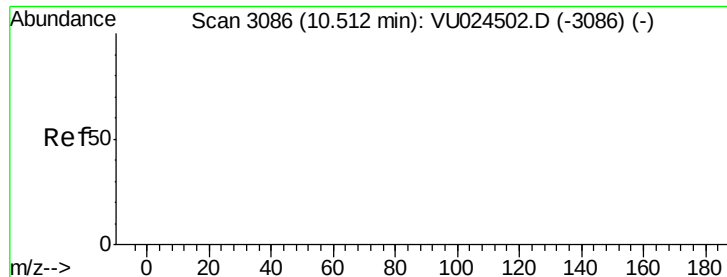
77 0.9 20.9 62.7#



Abundance Ion 74.90 (74.60 to 75.60): VU0

Ion 77.00 (76.70 to 77.70): VU0





#81

trans-1,4-Dichloro-2-butene

Concen: 56.669 ug/l

RT: 10.31 min Scan# 3023

Delta R.T. -0.20 min

Lab File: VU024990.D

Acq: 28 Jun 2018 01:21

Instrument :

MSVOA_U

ClientSampleId :

WP021SB477-19-21-180621ME

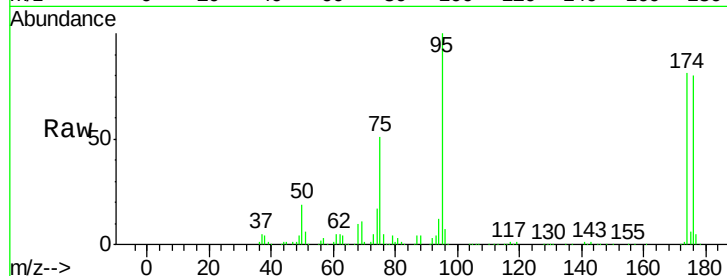
Tgt Ion: 75 Resp: 93877

Ion Ratio Lower Upper

75 100

53 0.0 0.0 0.0

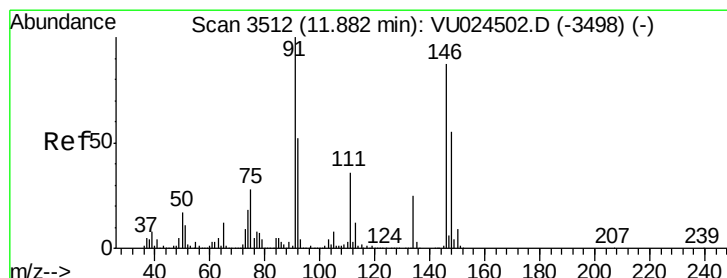
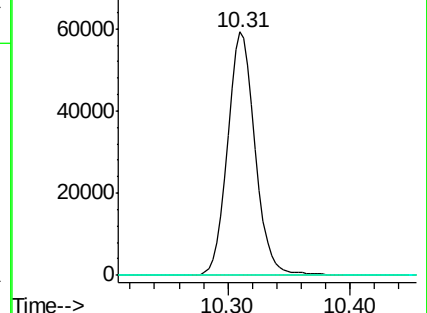
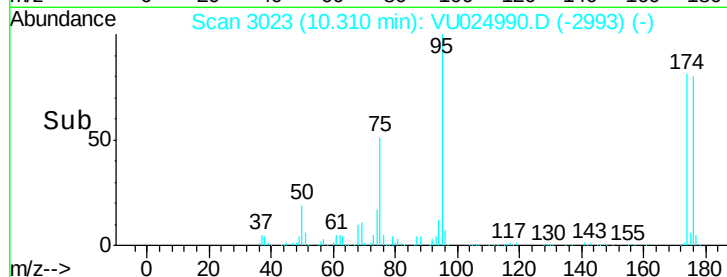
89 0.0 0.0 0.0



Abundance Ion 74.90 (74.60 to 75.60): VU024990.D (-2993) (-)

Ion 53.00 (52.70 to 53.70): VU024990.D (-2993) (-)

Ion 88.90 (88.60 to 89.60): VU024990.D (-2993) (-)



#91

1,2-Dichlorobenzene

Concen: 0.281 ug/l

RT: 11.88 min Scan# 3512

Delta R.T. -0.00 min

Lab File: VU024990.D

Acq: 28 Jun 2018 01:21

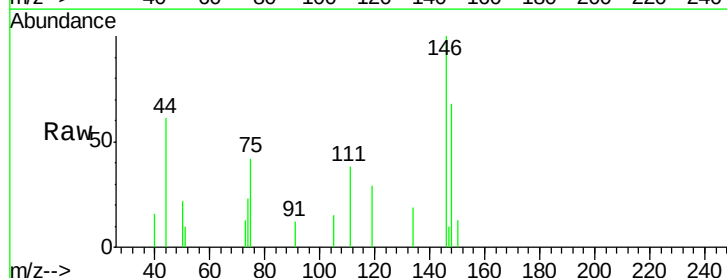
Tgt Ion: 146 Resp: 1763

Ion Ratio Lower Upper

146 100

111 38.9 20.5 61.6

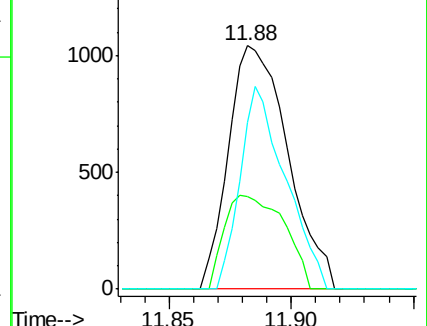
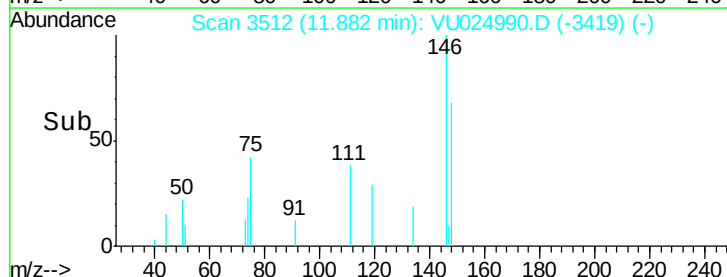
148 63.3 31.9 95.7

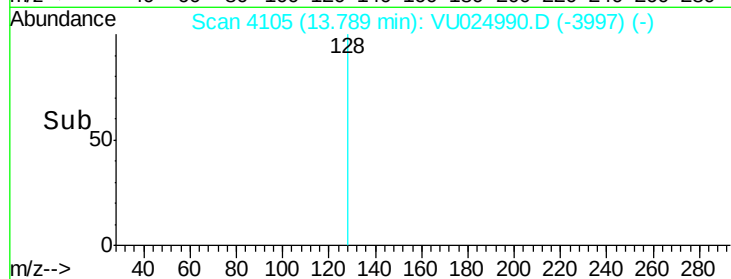
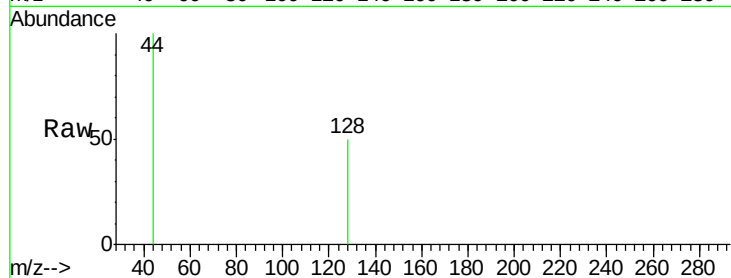
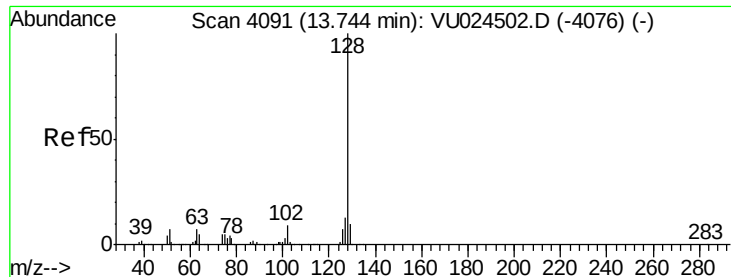


Abundance Ion 145.90 (145.60 to 146.60): VU024990.D (-3419) (-)

Ion 110.90 (110.60 to 111.60): VU024990.D (-3419) (-)

Ion 147.90 (147.60 to 148.60): VU024990.D (-3419) (-)





#95

Naphthalene

Concen: 0.721 ug/l

RT: 13.79 min Scan# 4105

Delta R.T. 0.05 min

Lab File: VU024990.D

Acq: 28 Jun 2018 01:21

Instrument :

MSVOA_U

ClientSampleId :

WP021SB477-19-21-180621ME

Tgt Ion:128 Resp: 544

Ion Ratio Lower Upper

128 100

127 0.0 10.6 16.0#

129 0.0 8.6 12.8#

