

Data Path : Z:\VOASRV\HPCHEM1\MSVOA_U\DATA\VU062718\
 Data File : VU024994.D
 Acq On : 28 Jun 2018 02:58
 Operator : MD/SY
 Sample : J3670-15ME 5X
 Misc : 5.93g/5mL/100uL/5.00ML/MSVOA_U/MEOH
 ALS Vial : 42 Sample Multiplier: 1

Instrument :
 MSVOA_U
 ClientSampleId :
 WP021SB477-27-29-180621ME

Quant Time: Jun 28 06:45:47 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	215923	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	5.89	114	328506	50.00	ug/l	0.00
63) Chlorobenzene-d5	9.09	117	306353	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	11.49	152	178031	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	165984	47.09	ug/l	0.00
Spiked Amount 50.000			Recovery =	94.18%		
35) Dibromofluoromethane	4.89	113	125857	46.16	ug/l	0.00
Spiked Amount 50.000			Recovery =	92.32%		
50) Toluene-d8	7.57	98	475219	47.79	ug/l	0.00
Spiked Amount 50.000			Recovery =	95.58%		
62) 4-Bromofluorobenzene	10.31	95	184795	46.80	ug/l	0.00
Spiked Amount 50.000			Recovery =	93.60%		

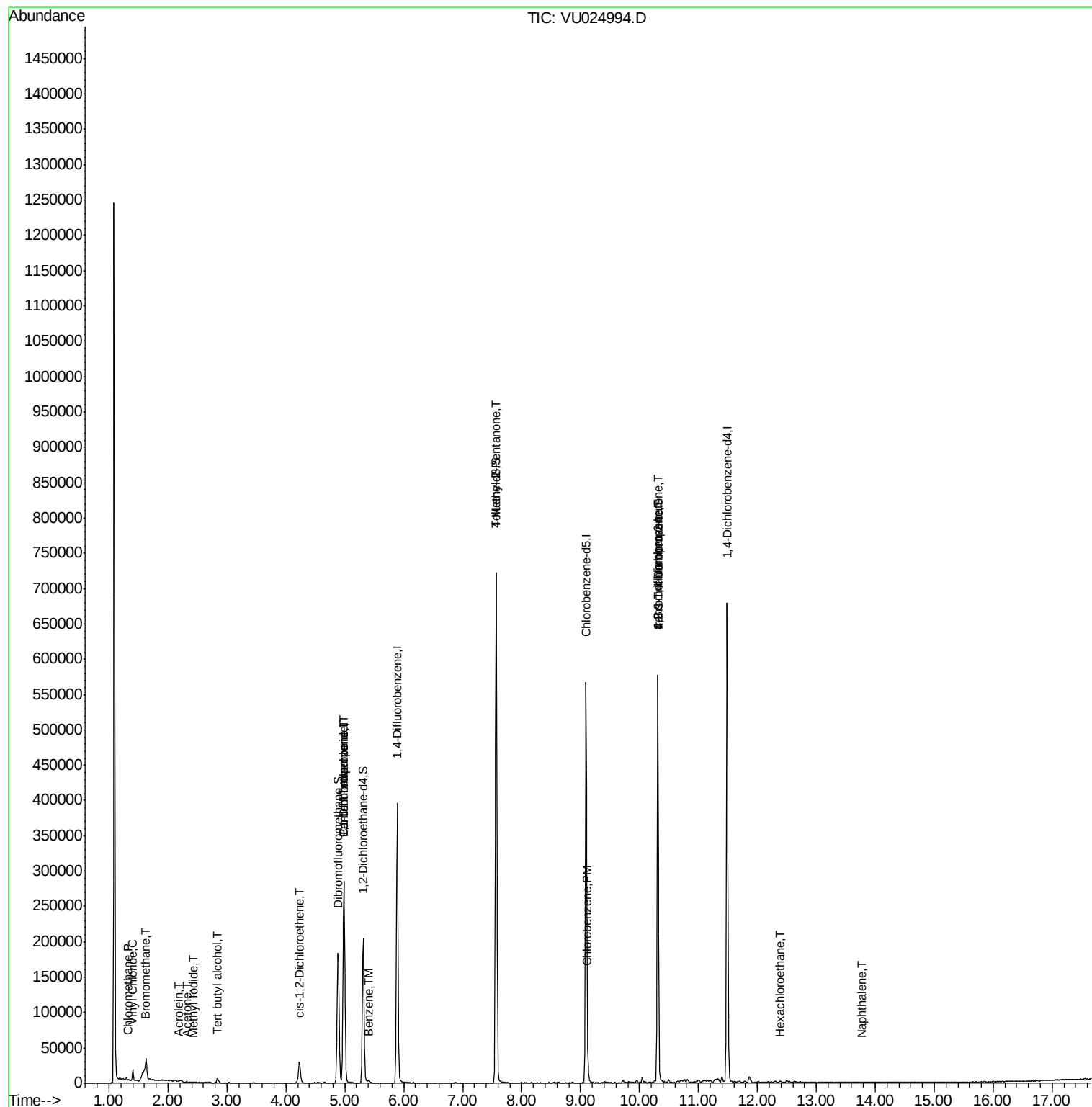
Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
3) Chloromethane	1.33	50	700	0.254	ug/l #	82
4) Vinyl Chloride	1.40	62	9371	3.291	ug/l	94
5) Bromomethane	1.61	94	666	0.484	ug/l	87
6) Chloroethane	1.63	64	176	Below Cal	#	60
8) Diethyl Ether	1.99	74	20	Below Cal	#	1
10) Methyl Iodide	2.43	142	132	5.340	ug/l #	40
11) Tert butyl alcohol	2.84	59	3767	4.394	ug/l #	72
13) Acrolein	2.19	56	133	0.295	ug/l	99
16) Acetone	2.32	43	890	0.470	ug/l	97
27) cis-1,2-Dichloroethene	4.23	96	15337	4.926	ug/l	91
31) Cyclohexane	4.98	56	4472	Below Cal	#	1
36) 1,1-Dichloropropene	4.99	75	15993	4.143	ug/l #	49
38) Carbon Tetrachloride	4.99	117	21240	5.004	ug/l #	16
40) Benzene	5.39	78	2882	0.262	ug/l	93
51) 4-Methyl-2-Pentanone	7.57	43	2299	0.503	ug/l #	1
65) Chlorobenzene	9.12	112	10936	1.397	ug/l	98
76) 1,2,3-Trichloropropane	10.31	75	95724	24.422	ug/l #	35
81) trans-1,4-Dichloro-2-buten	10.31	75	95724	56.522	ug/l #	100
90) Hexachloroethane	12.36	117	578	0.232	ug/l #	8
95) Naphthalene	13.76	128	801	0.740	ug/l #	69

(#) = 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# 1367

Delta R.T. -0.00 min

Lab File: VU024994.D

Acq: 28 Jun 2018 02:58

Instrument :

MSVOA_U

ClientSampleId :

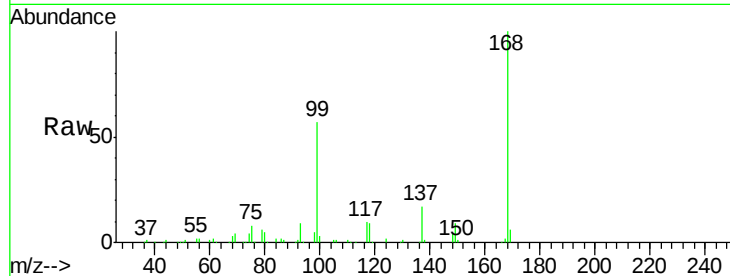
WP021SB477-27-29-180621ME

Tgt Ion:168 Resp: 215923

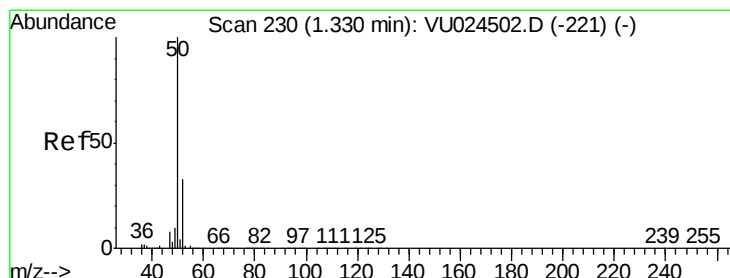
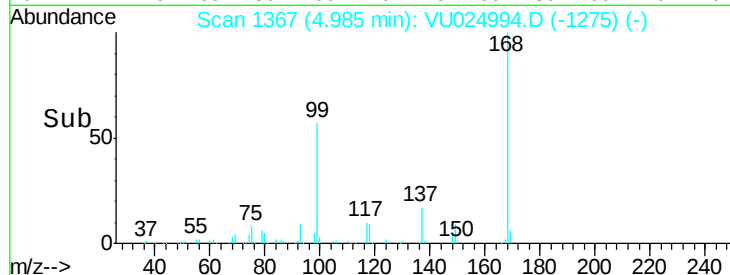
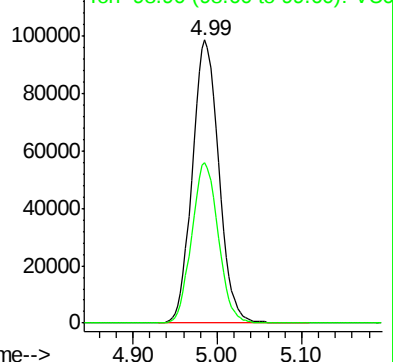
Ion Ratio Lower Upper

168 100

99 56.9 43.2 64.8



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



#3

Chloromethane

Concen: 0.254 ug/l

RT: 1.33 min Scan# 229

Delta R.T. -0.00 min

Lab File: VU024994.D

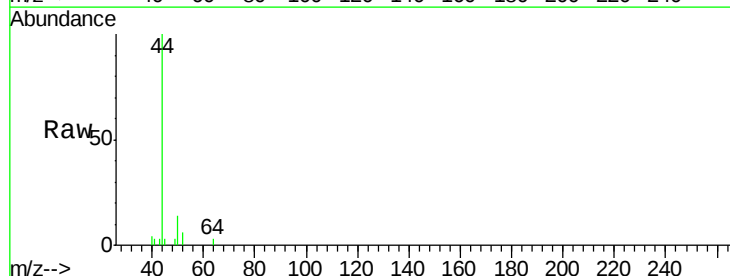
Acq: 28 Jun 2018 02:58

Tgt Ion: 50 Resp: 700

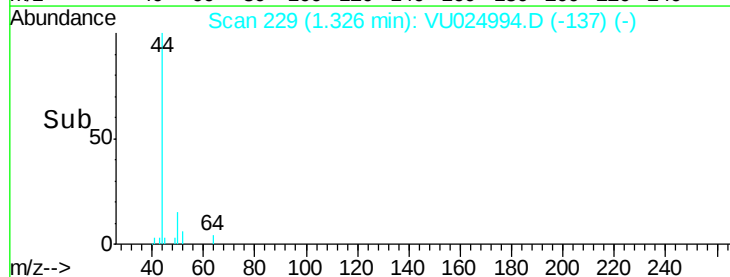
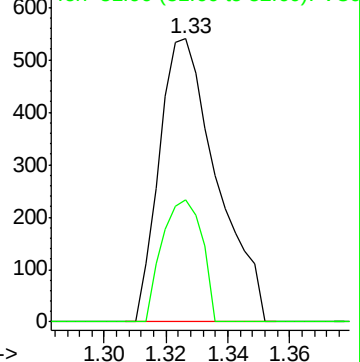
Ion Ratio Lower Upper

50 100

52 43.0 26.4 39.6#



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





#4

Vinyl Chloride

Concen: 3.291 ug/l

RT: 1.40 min Scan# 253

Delta R.T. -0.00 min

Lab File: VU024994.D

Acq: 28 Jun 2018 02:58

Instrument :

MSVOA_U

ClientSampleId :

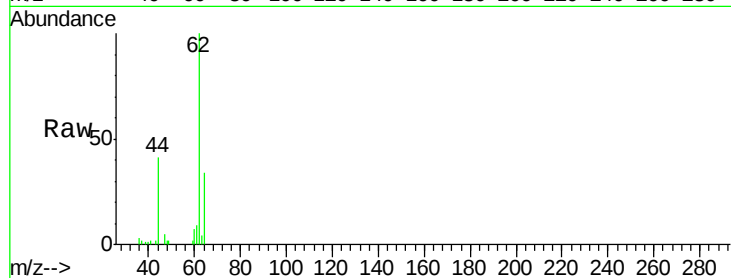
WP021SB477-27-29-180621ME

Tgt Ion: 62 Resp: 9371

Ion Ratio Lower Upper

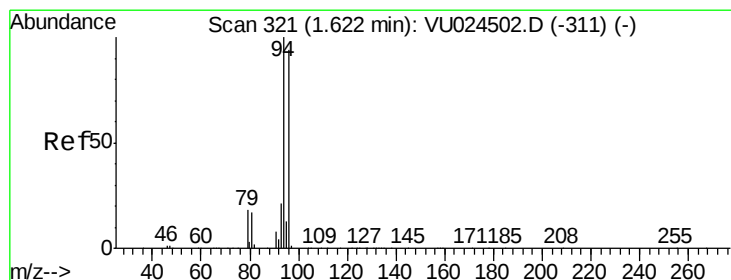
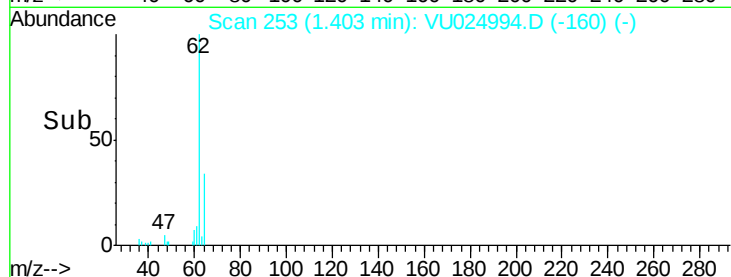
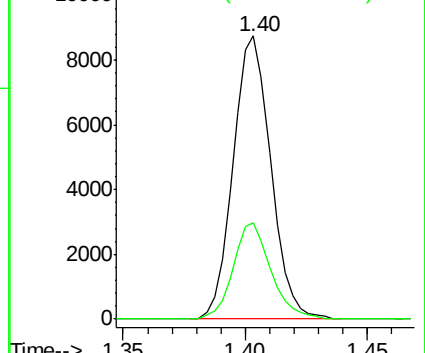
62 100

64 34.3 24.8 37.2



Abundance Ion 61.90 (61.60 to 62.60): VU0

Ion 63.90 (63.60 to 64.60): VU0



#5

Bromomethane

Concen: 0.484 ug/l

RT: 1.61 min Scan# 318

Delta R.T. -0.01 min

Lab File: VU024994.D

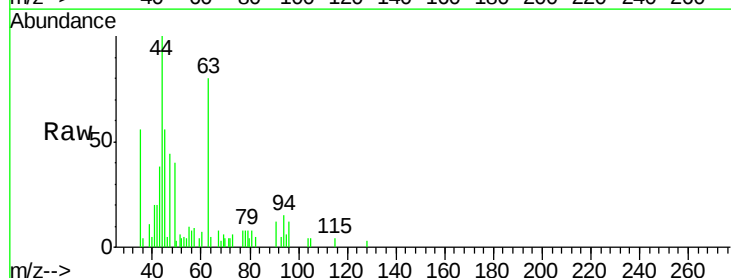
Acq: 28 Jun 2018 02:58

Tgt Ion: 94 Resp: 666

Ion Ratio Lower Upper

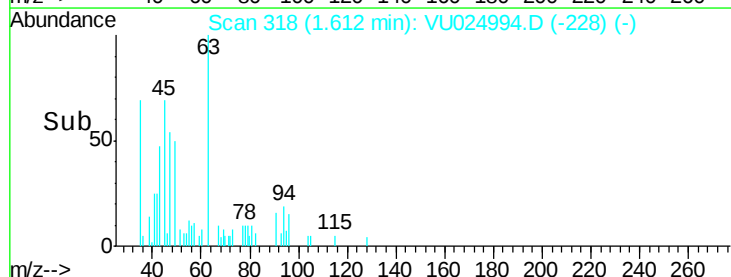
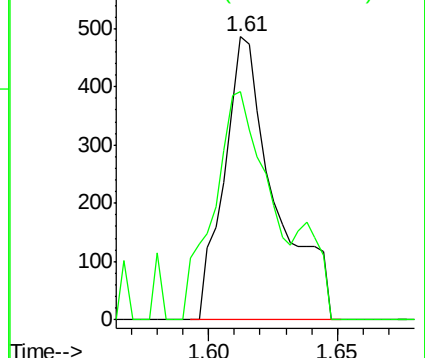
94 100

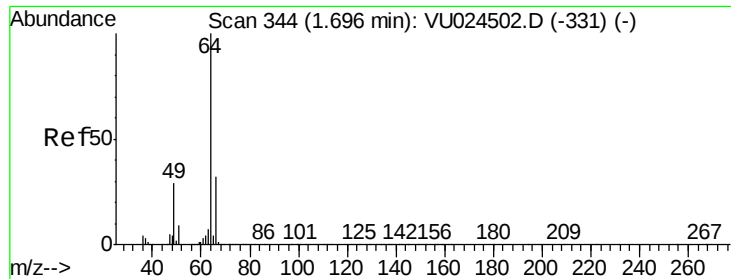
96 80.7 74.5 111.7



Abundance Ion 93.90 (93.60 to 94.60): VU0

Ion 95.90 (95.60 to 96.60): VU0





#6

Chloroethane

Concen: Below Cal

RT: 1.63 min Scan# 322

Delta R.T. -0.07 min

Lab File: VU024994.D

Acq: 28 Jun 2018 02:58

Instrument :

MSVOA_U

ClientSampleId :

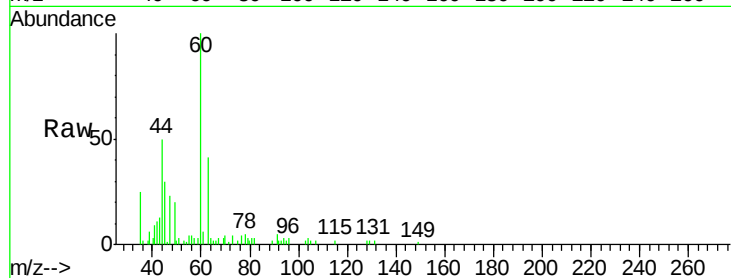
WP021SB477-27-29-180621ME

Tgt Ion: 64 Resp: 176

Ion Ratio Lower Upper

64 100

66 54.4 25.5 38.3#



Abundance Ion 63.90 (63.60 to 64.60): VU0

Ion 65.90 (65.60 to 66.60): VU0

1.63

250

200

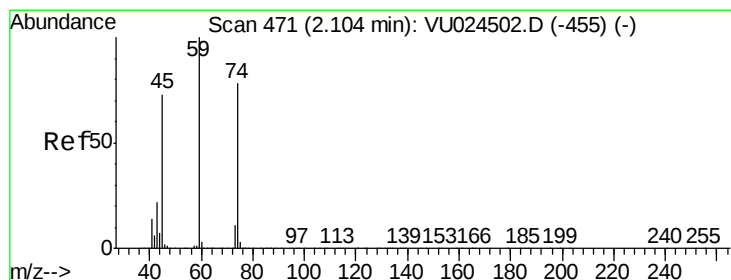
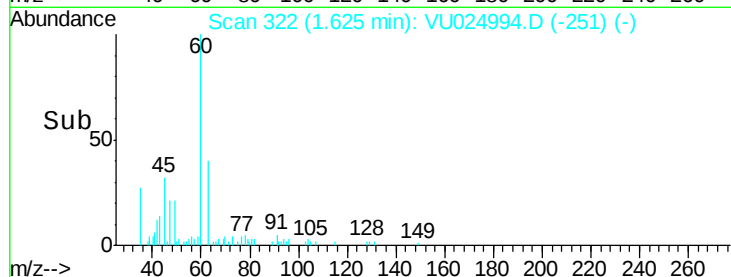
150

100

50

0

Time-->



#8

Diethyl Ether

Concen: Below Cal

RT: 1.99 min Scan# 436

Delta R.T. -0.11 min

Lab File: VU024994.D

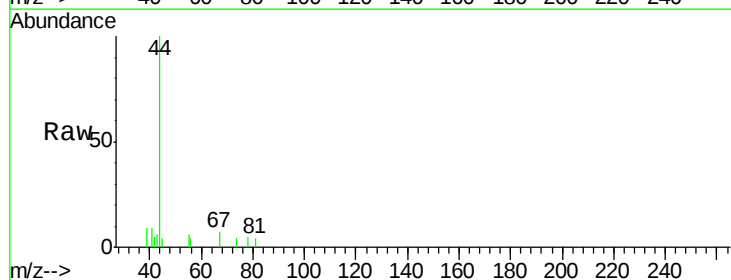
Acq: 28 Jun 2018 02:58

Tgt Ion: 74 Resp: 20

Ion Ratio Lower Upper

74 100

45 0.0 55.0 165.0#



Abundance Ion 74.00 (73.70 to 74.70): VU0

Ion 45.00 (44.70 to 45.70): VU0

200

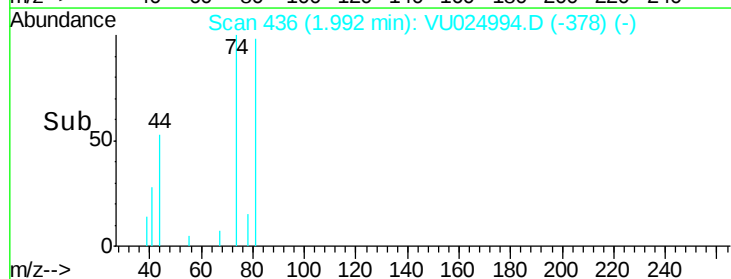
150

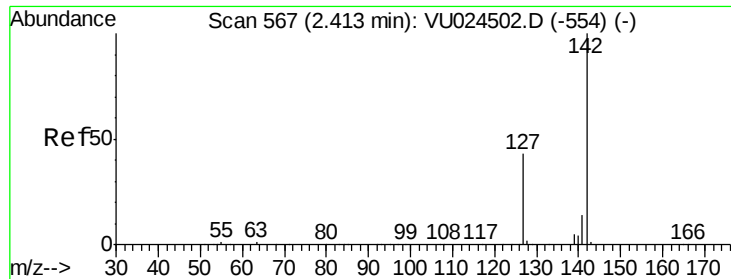
100

50

0

Time-->

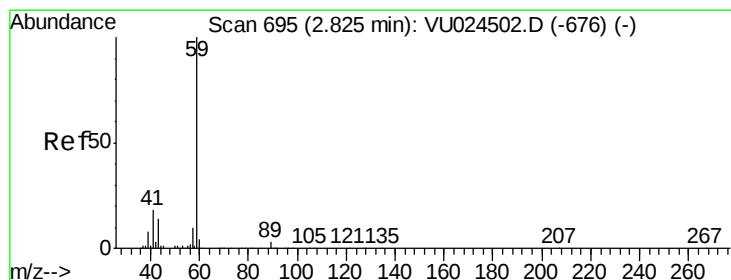
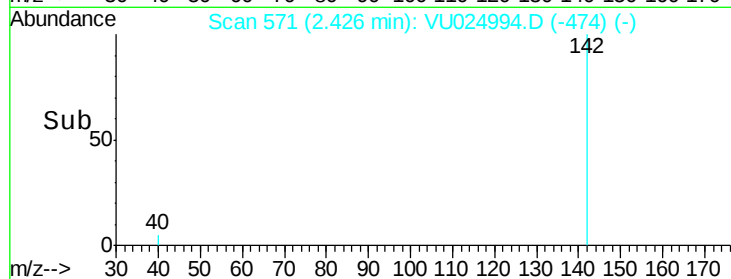
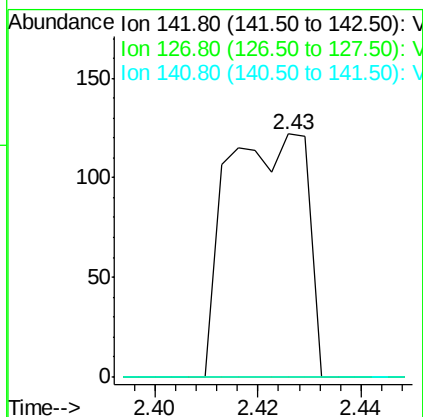
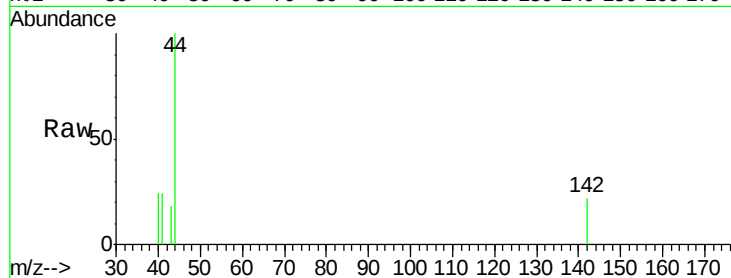




#10
Methyl Iodide
Concen: 5.340 ug/l
RT: 2.43 min Scan# 571
Delta R.T. 0.01 min
Lab File: VU024994.D
Acq: 28 Jun 2018 02:58

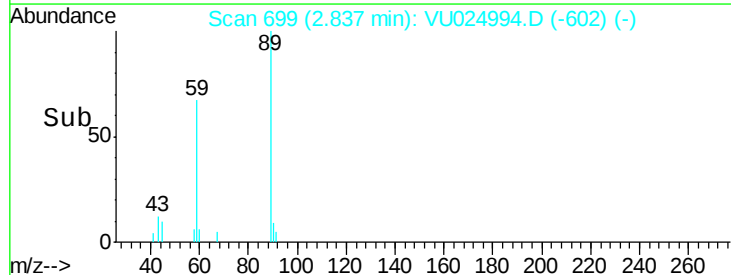
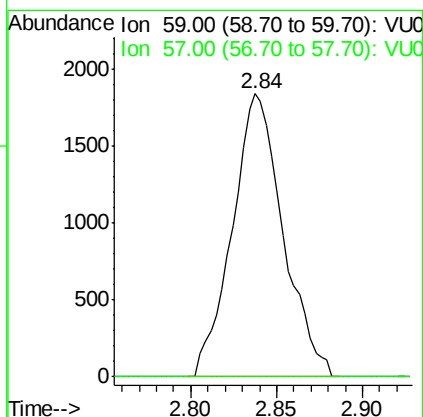
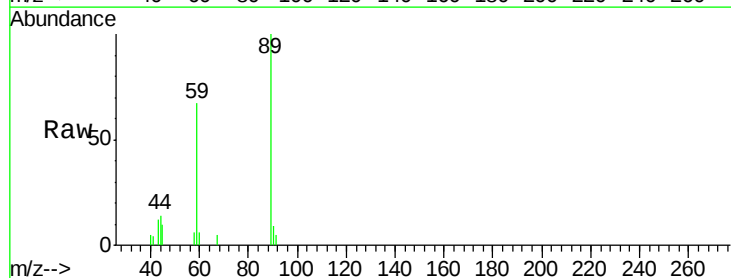
Instrument :
MSVOA_U
ClientSampleId :
WP021SB477-27-29-180621ME

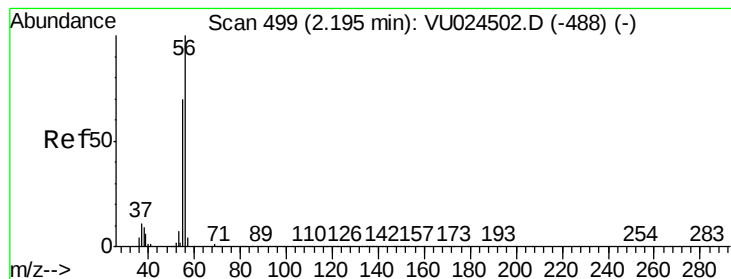
Tgt Ion: 142 Resp: 132
Ion Ratio Lower Upper
142 100
127 0.0 35.6 53.4#
141 0.0 11.7 17.5#



#11
Tert butyl alcohol
Concen: 4.394 ug/l
RT: 2.84 min Scan# 699
Delta R.T. 0.01 min
Lab File: VU024994.D
Acq: 28 Jun 2018 02:58

Tgt Ion: 59 Resp: 3767
Ion Ratio Lower Upper
59 100
57 0.0 8.5 12.7#





#13

Acrolein

Concen: 0.295 ug/l

RT: 2.19 min Scan# 497

Delta R.T. -0.01 min

Lab File: VU024994.D

Acq: 28 Jun 2018 02:58

Instrument :

MSVOA_U

ClientSampleId :

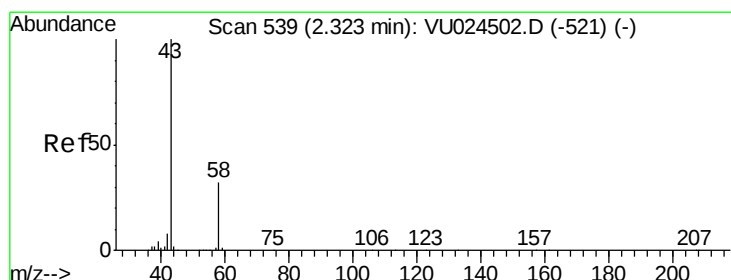
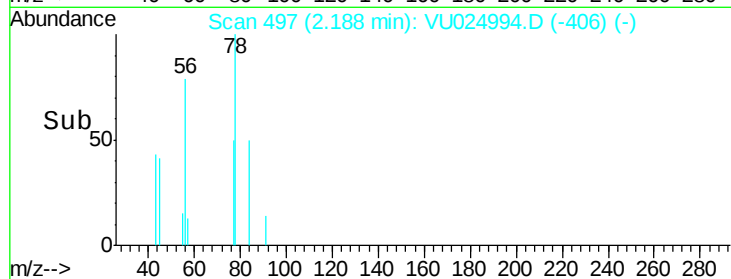
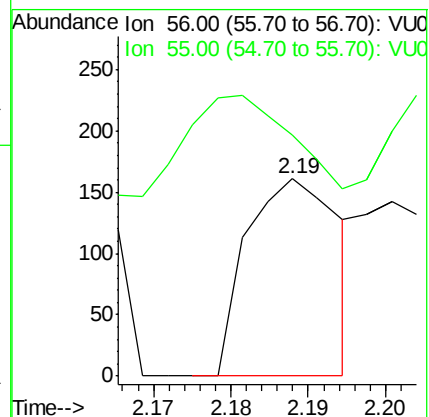
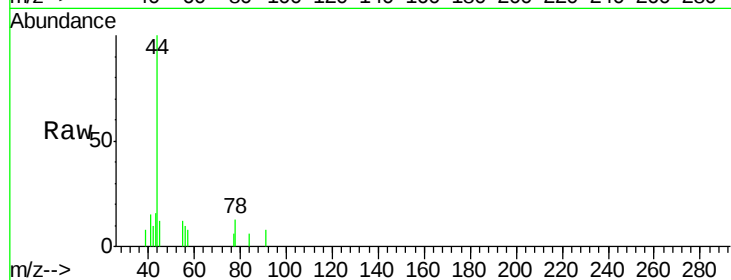
WP021SB477-27-29-180621ME

Tgt Ion: 56 Resp: 133

Ion Ratio Lower Upper

56 100

55 72.2 58.4 87.6



#16

Acetone

Concen: 0.470 ug/l

RT: 2.32 min Scan# 538

Delta R.T. -0.00 min

Lab File: VU024994.D

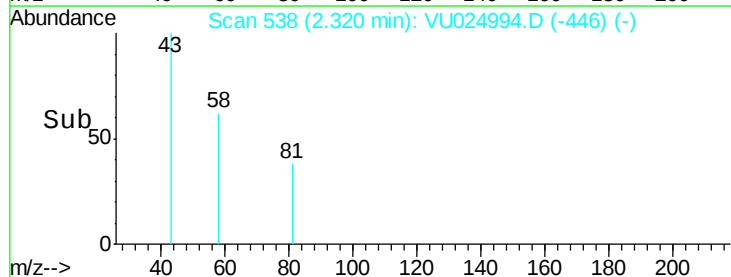
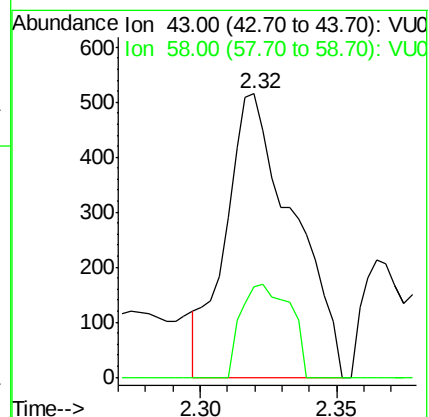
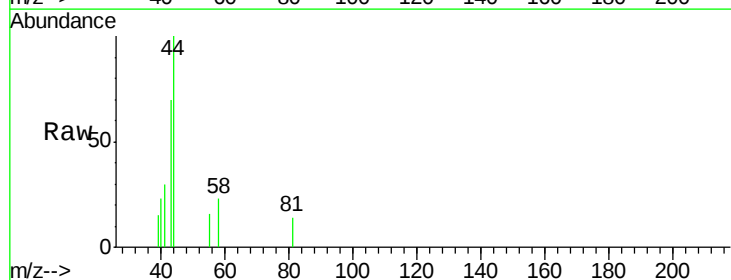
Acq: 28 Jun 2018 02:58

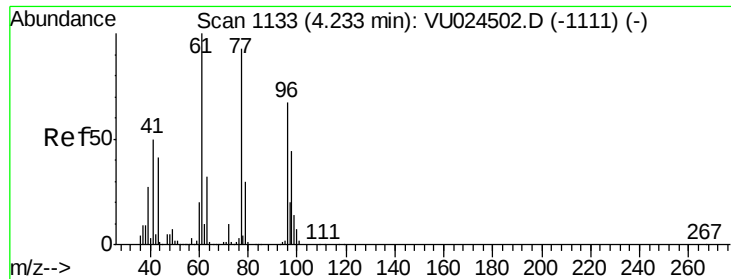
Tgt Ion: 43 Resp: 890

Ion Ratio Lower Upper

43 100

58 32.0 24.4 36.6





#27

cis-1,2-Dichloroethene

Concen: 4.926 ug/l

RT: 4.23 min Scan# 1132

Delta R.T. -0.00 min

Lab File: VU024994.D

Acq: 28 Jun 2018 02:58

Instrument :

MSVOA_U

ClientSampleId :

WP021SB477-27-29-180621ME

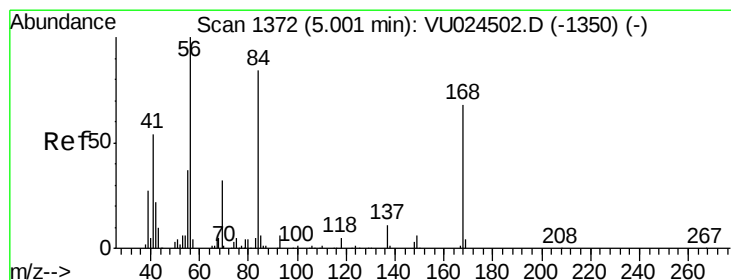
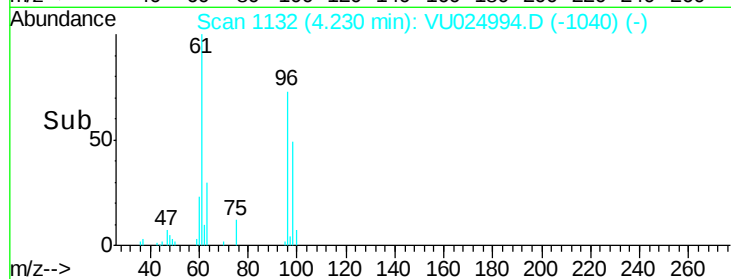
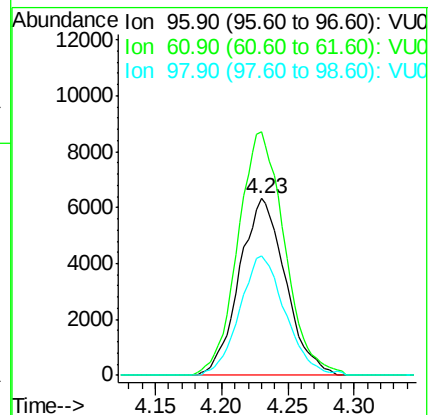
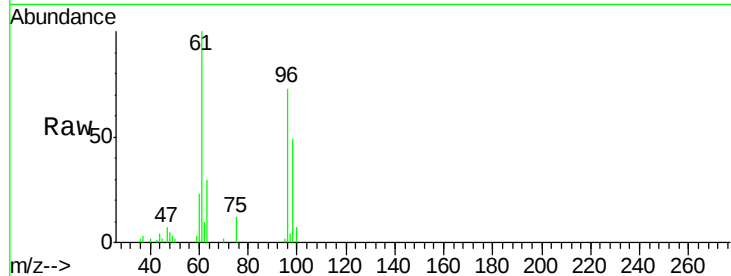
Tgt Ion: 96 Resp: 15337

Ion Ratio Lower Upper

96 100

61 138.9 0.0 306.6

98 66.9 0.0 128.8



#31

Cyclohexane

Concen: Below Cal

RT: 4.98 min Scan# 1366

Delta R.T. -0.02 min

Lab File: VU024994.D

Acq: 28 Jun 2018 02:58

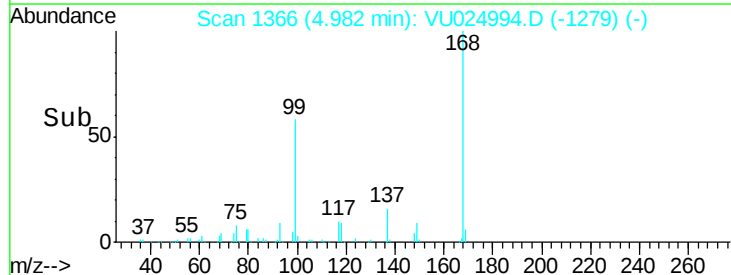
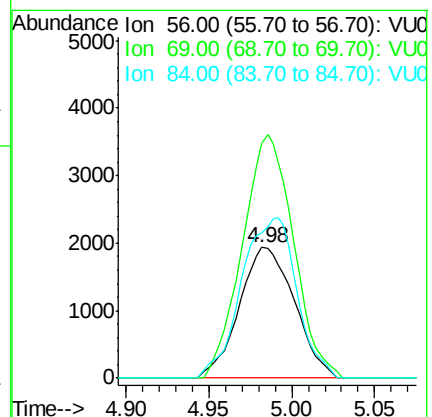
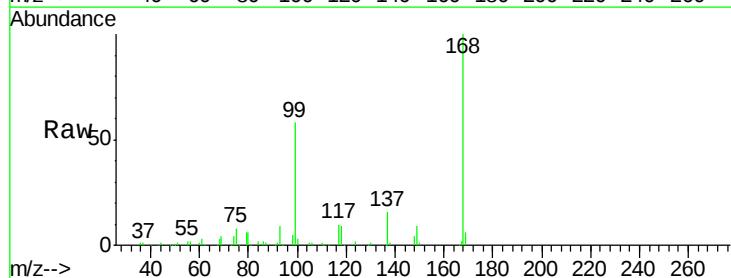
Tgt Ion: 56 Resp: 4472

Ion Ratio Lower Upper

56 100

69 179.1 24.8 37.2#

84 111.4 65.2 97.8#

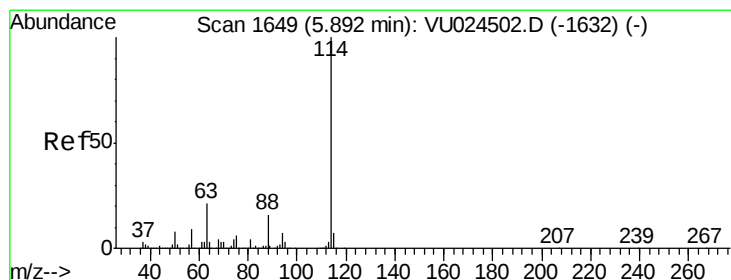
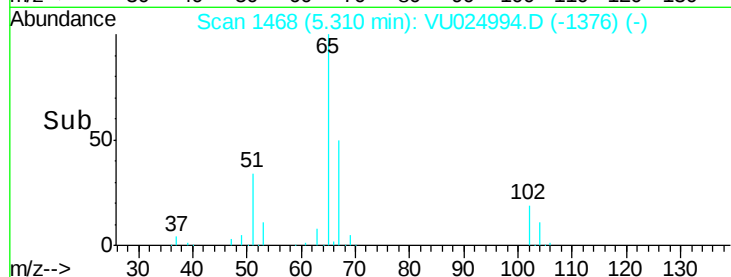
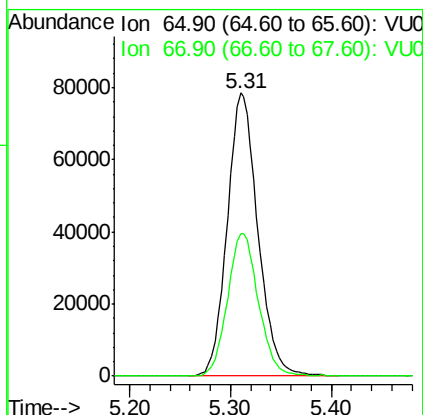
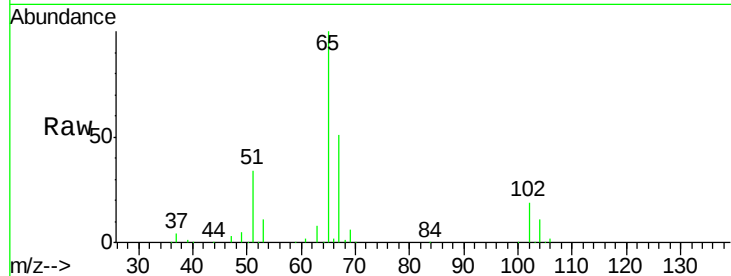




#33
 1,2-Dichloroethane-d4
 Concen: 47.088 ug/l
 RT: 5.31 min Scan# 1468
 Delta R.T. -0.00 min
 Lab File: VU024994.D
 Acq: 28 Jun 2018 02:58

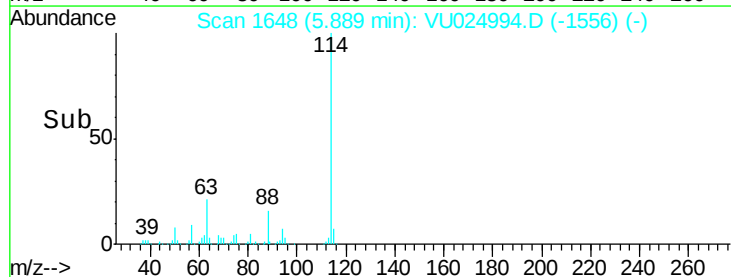
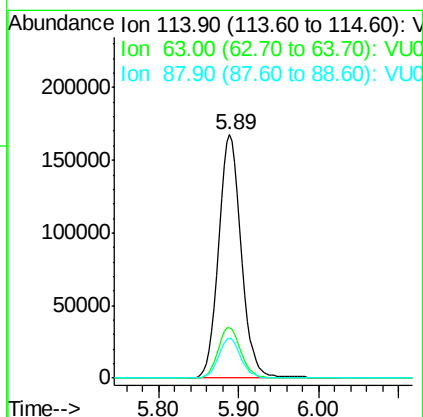
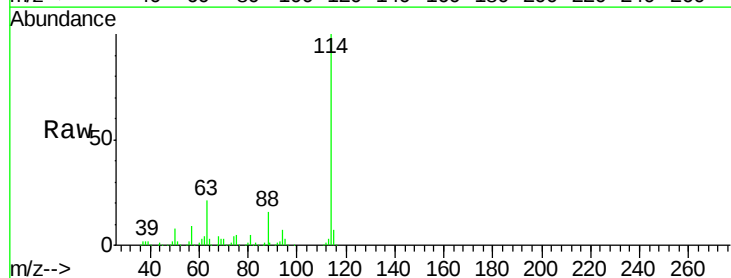
Instrument :
 MSVOA_U
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 WP021SB477-27-29-180621ME

Tgt Ion: 65 Resp: 165984
 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: VU024994.D
 Acq: 28 Jun 2018 02:58

Tgt Ion: 114 Resp: 328506
 Ion Ratio Lower Upper
 114 100
 63 20.8 0.0 45.4
 88 16.5 0.0 31.0

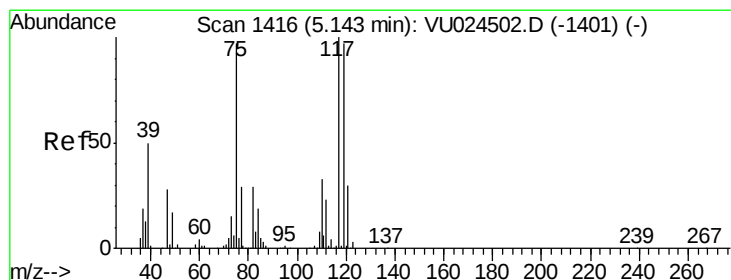
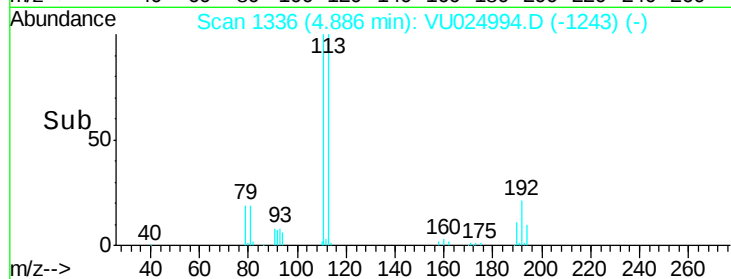
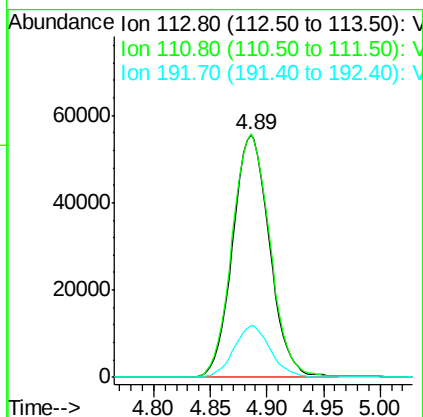
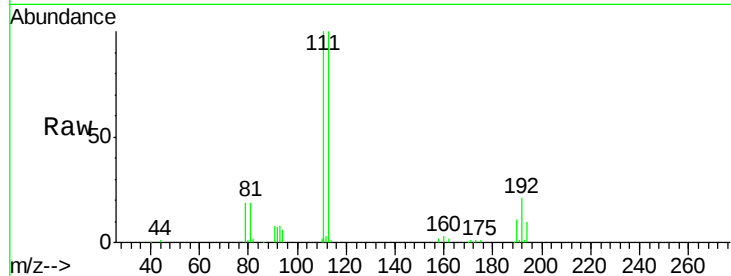




#35
 Dibromofluoromethane
 Concen: 46.163 ug/l
 RT: 4.89 min Scan# 1336
 Delta R.T. -0.00 min
 Lab File: VU024994.D
 Acq: 28 Jun 2018 02:58

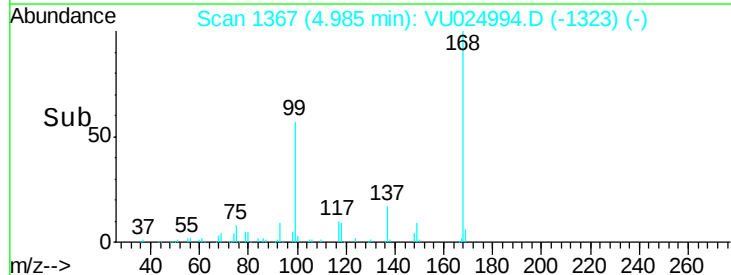
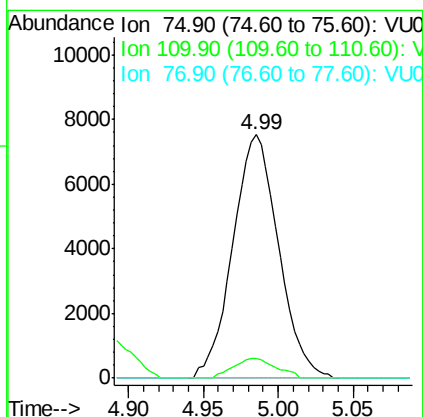
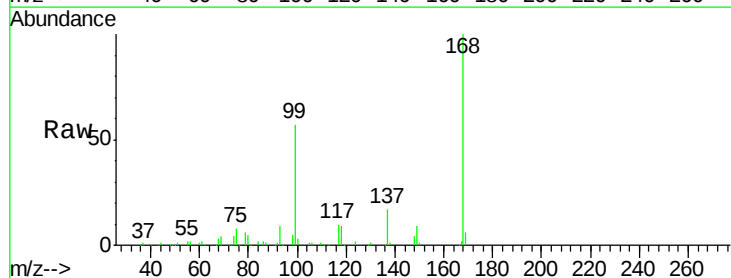
Instrument :
 MSVOA_U
 ClientSampleId :
 WP021SB477-27-29-180621ME

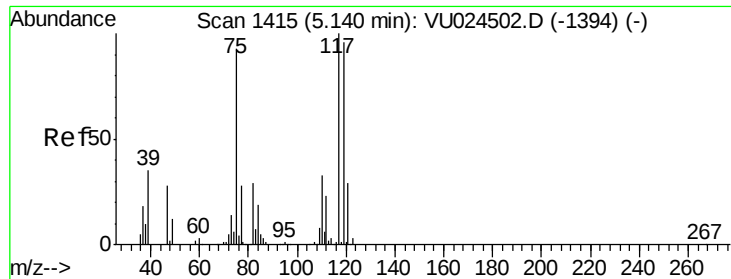
Tgt Ion	Ratio	Lower	Upper
113	100		
111	103.0	82.2	123.4
192	21.2	16.2	24.4



#36
 1,1-Dichloropropene
 Concen: 4.143 ug/l
 RT: 4.99 min Scan# 1367
 Delta R.T. -0.16 min
 Lab File: VU024994.D
 Acq: 28 Jun 2018 02:58

Tgt Ion	Ratio	Lower	Upper
75	100		
110	7.5	17.0	50.9#
77	0.0	24.2	36.4#

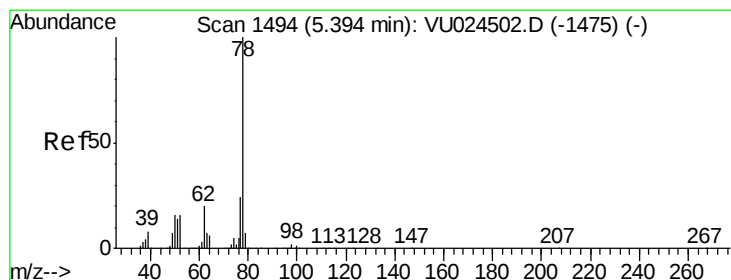
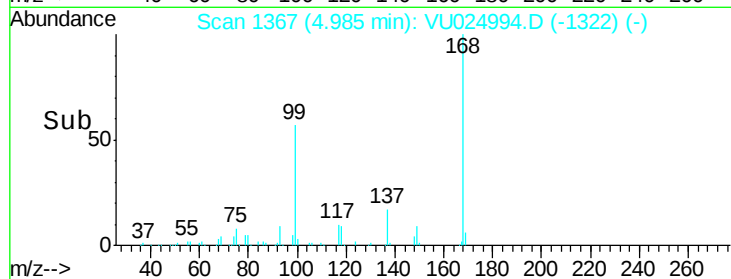
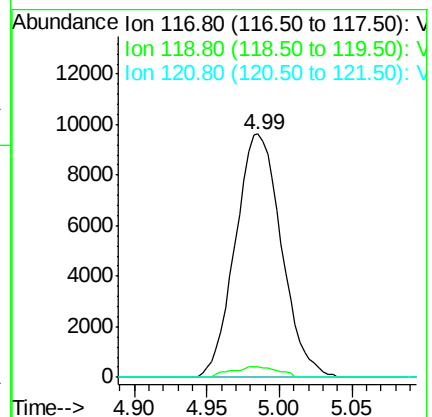
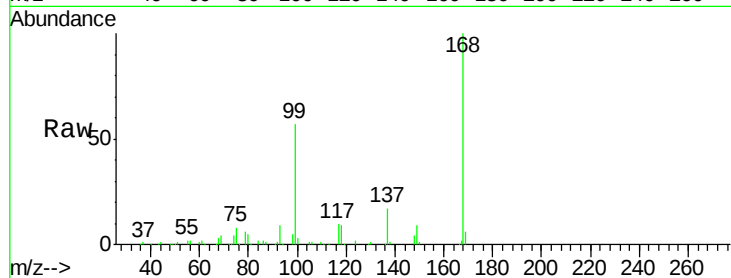




#38
Carbon Tetrachloride
Concen: 5.004 ug/l
RT: 4.99 min Scan# 1367
Delta R.T. -0.15 min
Lab File: VU024994.D
Acq: 28 Jun 2018 02:58

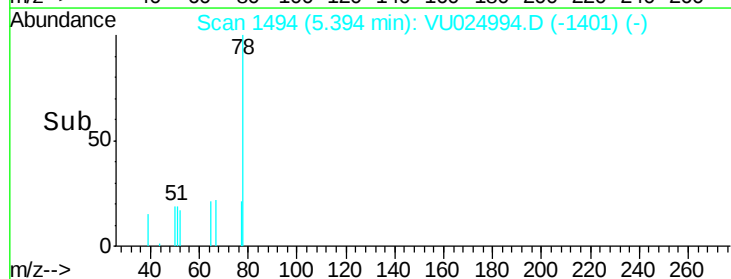
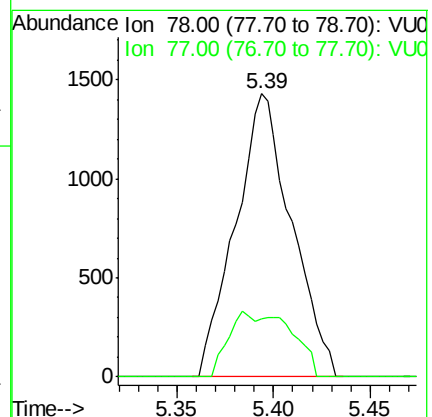
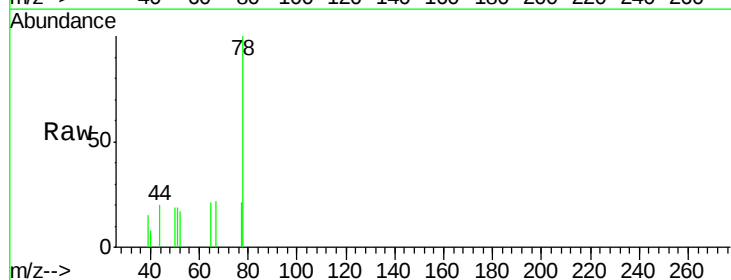
Instrument :
MSVOA_U
ClientSampleId :
WP021SB477-27-29-180621ME

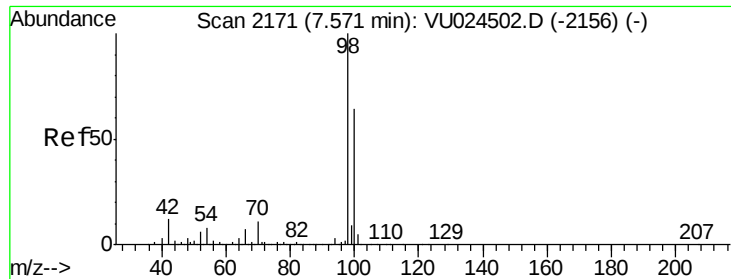
Tgt Ion:117 Resp: 21240
Ion Ratio Lower Upper
117 100
119 4.4 76.1 114.1#
121 0.0 23.7 35.5#



#40
Benzene
Concen: 0.262 ug/l
RT: 5.39 min Scan# 1494
Delta R.T. -0.00 min
Lab File: VU024994.D
Acq: 28 Jun 2018 02:58

Tgt Ion: 78 Resp: 2882
Ion Ratio Lower Upper
78 100
77 20.7 19.2 28.8





#50

Toluene-d8

Concen: 47.787 ug/l

RT: 7.57 min Scan# 2170

Delta R.T. -0.00 min

Lab File: VU024994.D

Acq: 28 Jun 2018 02:58

Instrument :

MSVOA_U

ClientSampleId :

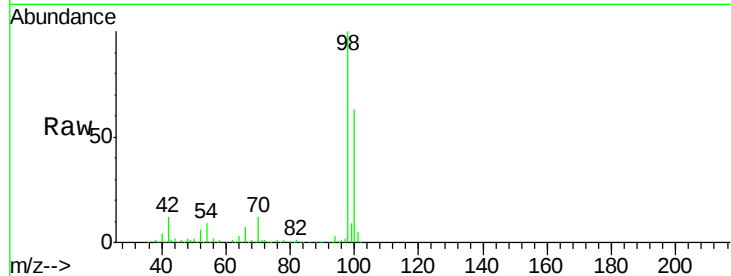
WP021SB477-27-29-180621ME

Tgt Ion: 98 Resp: 475219

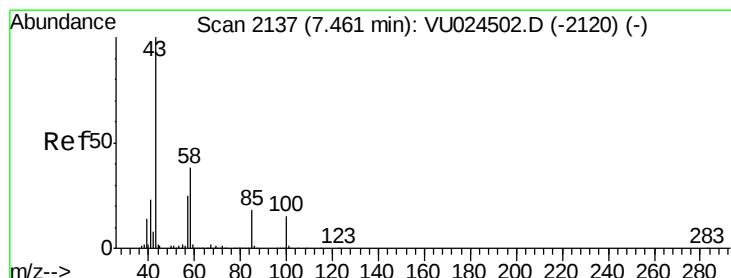
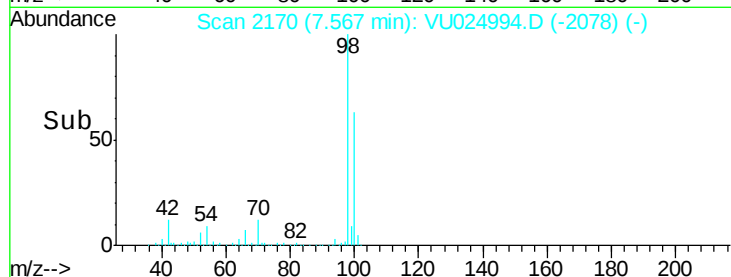
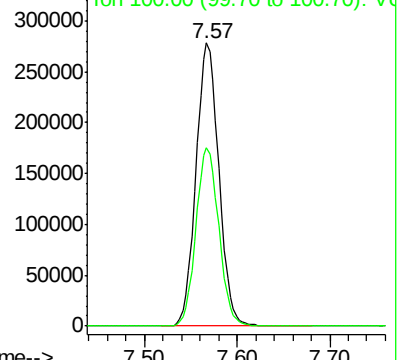
Ion Ratio Lower Upper

98 100

100 63.2 51.1 76.7



Abundance Ion 98.00 (97.70 to 98.70): VU024502.D (-2156) (-)



#51

4-Methyl-2-Pentanone

Concen: 0.503 ug/l

RT: 7.57 min Scan# 2170

Delta R.T. 0.11 min

Lab File: VU024994.D

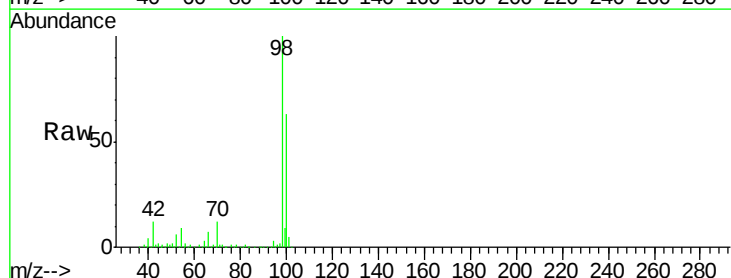
Acq: 28 Jun 2018 02:58

Tgt Ion: 43 Resp: 2299

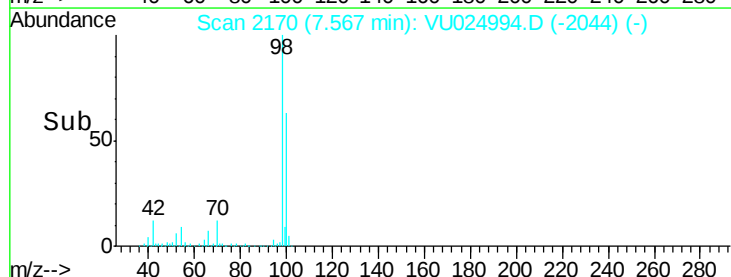
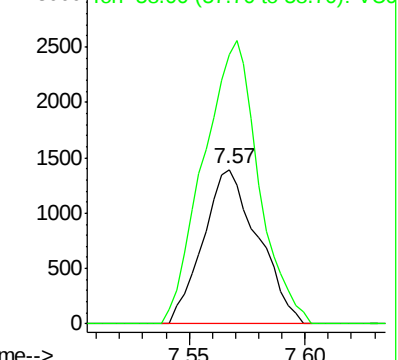
Ion Ratio Lower Upper

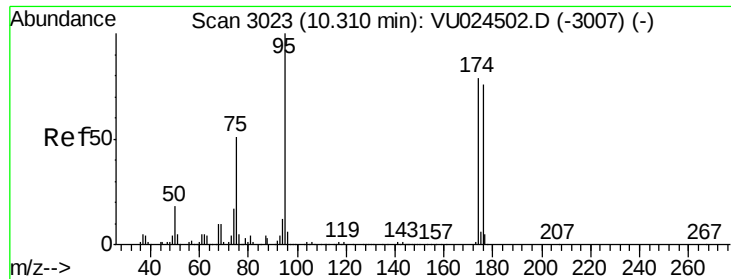
43 100

58 184.7 30.0 45.0#



Abundance Ion 43.00 (42.70 to 43.70): VU024502.D (-2120) (-)





#62

4-Bromofluorobenzene

Concen: 46.802 ug/l

RT: 10.31 min Scan# 3023

Delta R.T. -0.00 min

Lab File: VU024994.D

Acq: 28 Jun 2018 02:58

Instrument :

MSVOA_U

ClientSampleId :

WP021SB477-27-29-180621ME

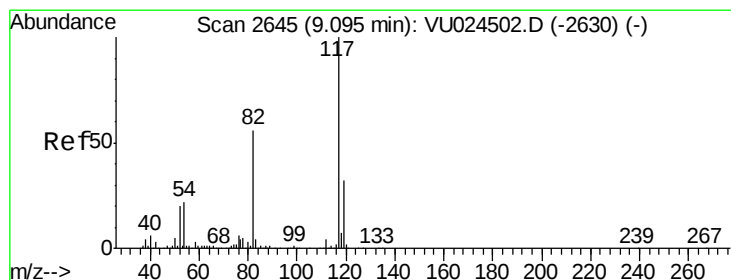
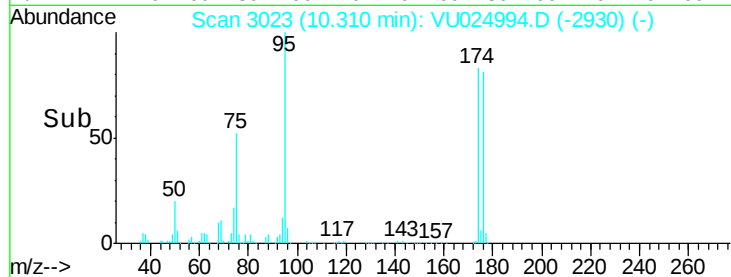
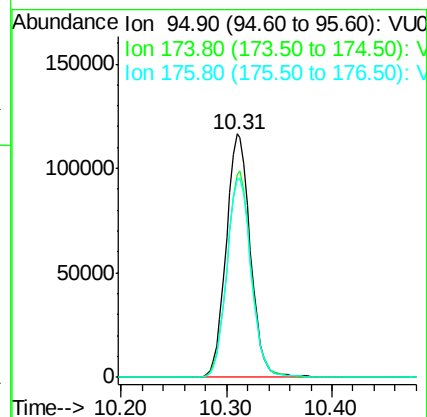
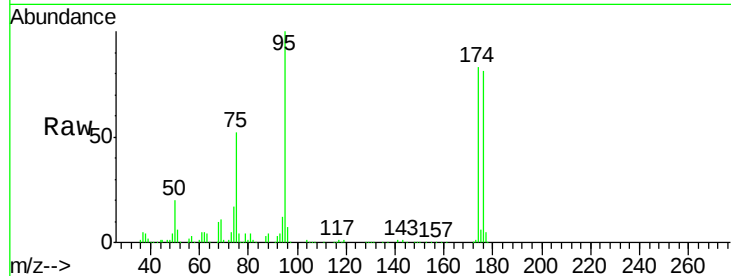
Tgt Ion: 95 Resp: 184795

Ion Ratio Lower Upper

95 100

174 84.2 0.0 165.8

176 82.4 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: VU024994.D

Acq: 28 Jun 2018 02:58

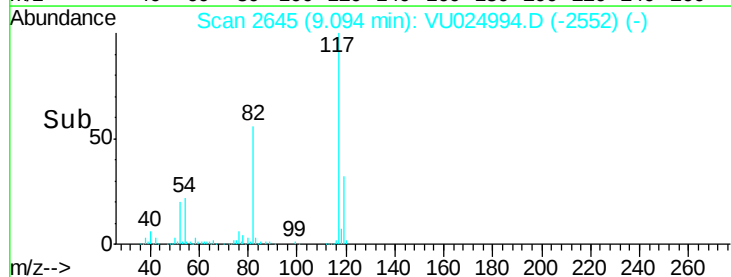
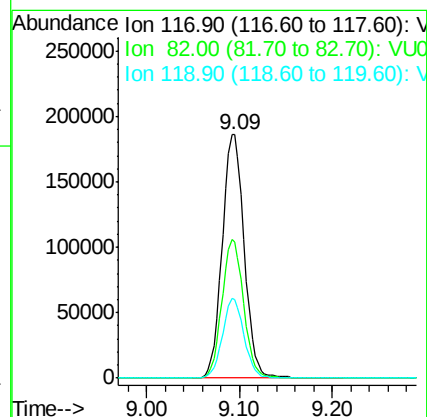
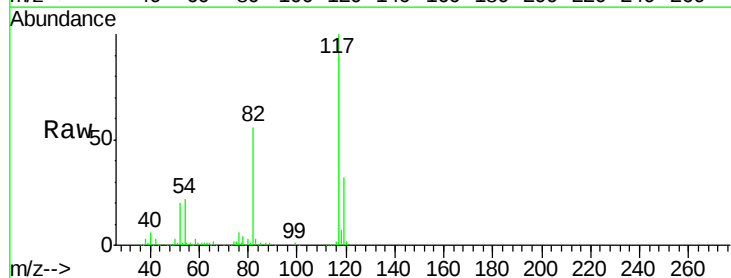
Tgt Ion: 117 Resp: 306353

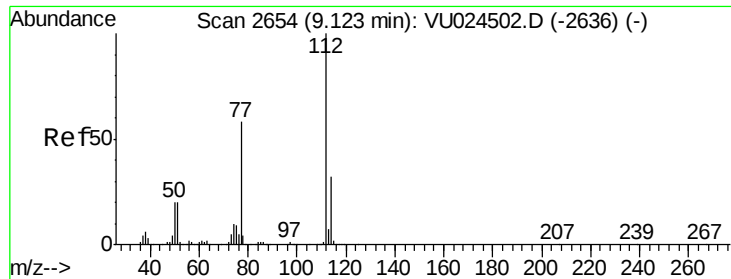
Ion Ratio Lower Upper

117 100

82 55.8 44.3 66.5

119 32.2 25.4 38.2





#65

Chlorobenzene

Concen: 1.397 ug/l

RT: 9.12 min Scan# 2654

Delta R.T. -0.00 min

Lab File: VU024994.D

Acq: 28 Jun 2018 02:58

Instrument :

MSVOA_U

ClientSampleId :

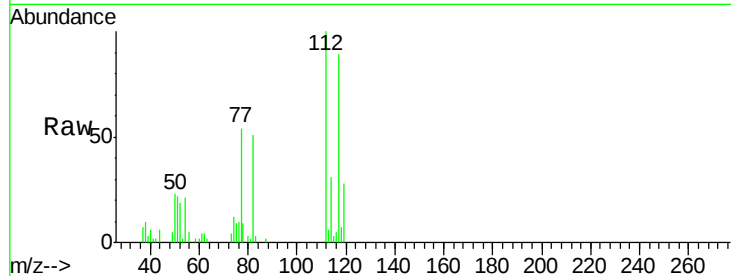
WP021SB477-27-29-180621ME

Tgt Ion:112 Resp: 10936

Ion Ratio Lower Upper

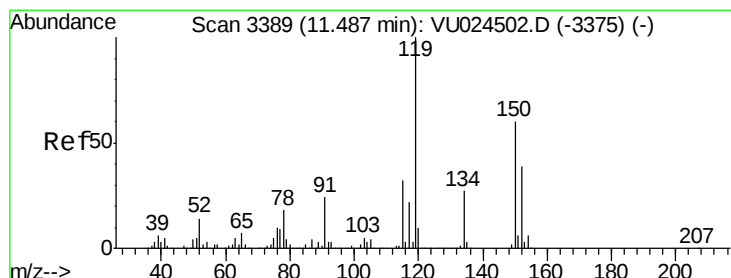
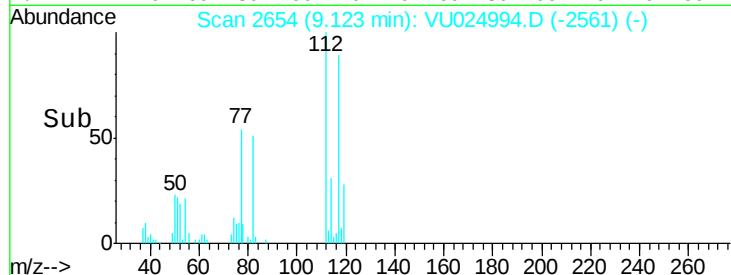
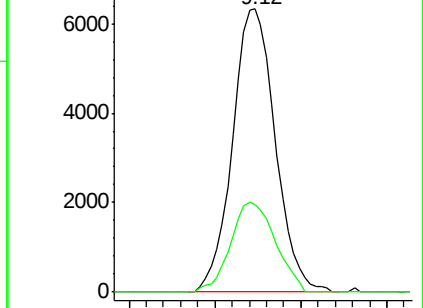
112 100

114 30.8 25.6 38.4



Abundance Ion 111.90 (111.60 to 112.60): V

Ion 113.90 (113.60 to 114.60): V



#72

1,4-Dichlorobenzene-d4

Concen: 50.000 ug/l

RT: 11.49 min Scan# 3389

Delta R.T. -0.00 min

Lab File: VU024994.D

Acq: 28 Jun 2018 02:58

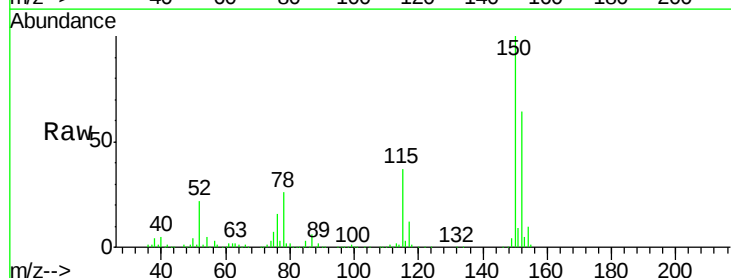
Tgt Ion:152 Resp: 178031

Ion Ratio Lower Upper

152 100

115 58.1 43.0 129.0

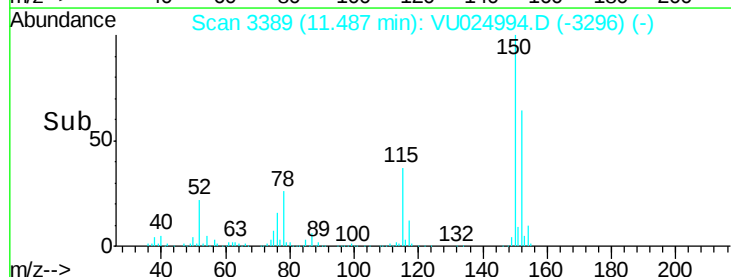
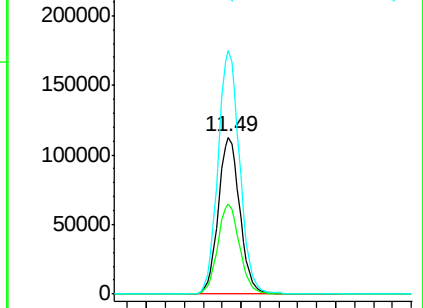
150 156.0 0.0 354.0

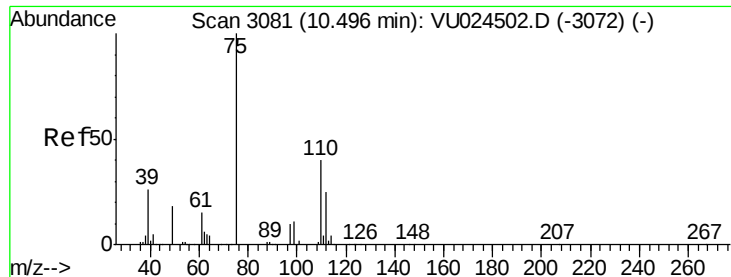


Abundance Ion 151.90 (151.60 to 152.60): V

Ion 114.90 (114.60 to 115.60): V

Ion 149.90 (149.60 to 150.60): V





#76

1,2,3-Trichloropropane

Concen: 24.422 ug/l

RT: 10.31 min Scan# 3023

Delta R.T. -0.19 min

Lab File: VU024994.D

Acq: 28 Jun 2018 02:58

Instrument :

MSVOA_U

ClientSampleId :

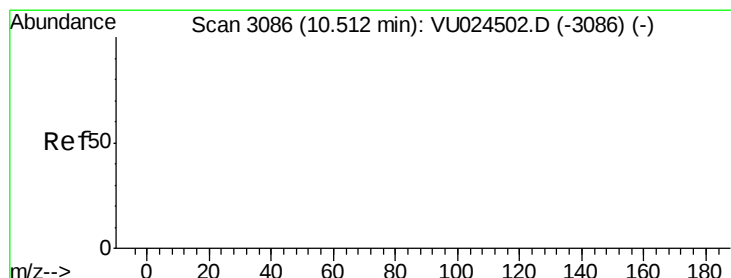
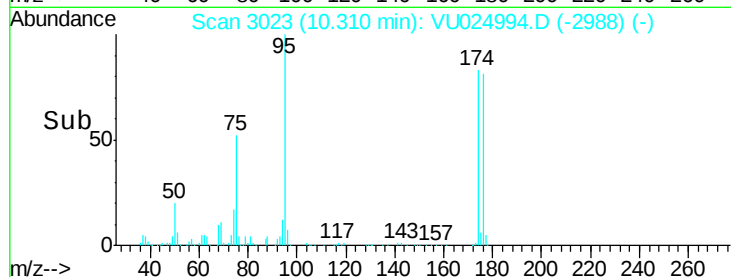
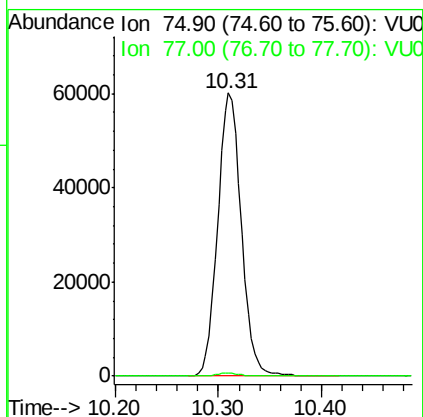
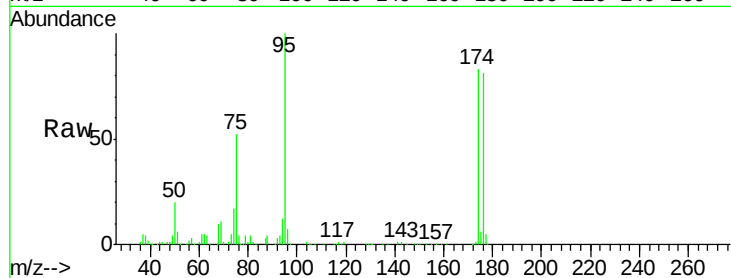
WP021SB477-27-29-180621ME

Tgt Ion: 75 Resp: 95724

Ion Ratio Lower Upper

75 100

77 0.9 20.9 62.7#



#81

trans-1,4-Dichloro-2-butene

Concen: 56.522 ug/l

RT: 10.31 min Scan# 3023

Delta R.T. -0.20 min

Lab File: VU024994.D

Acq: 28 Jun 2018 02:58

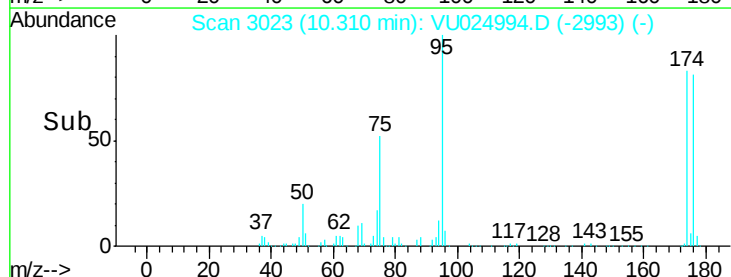
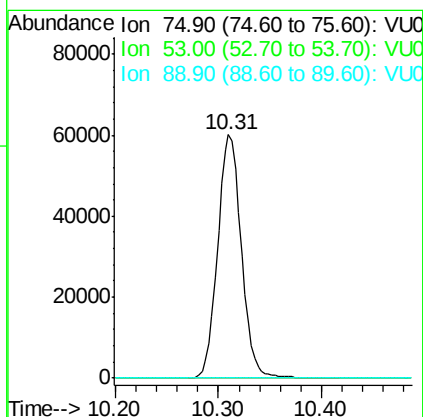
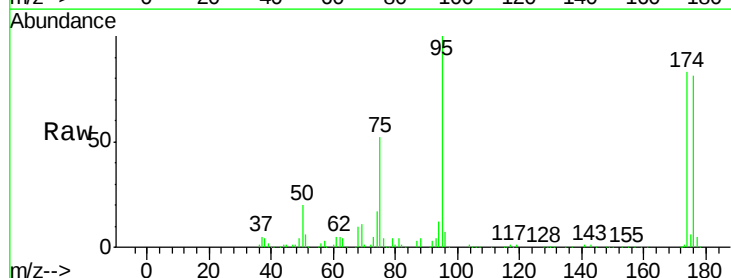
Tgt Ion: 75 Resp: 95724

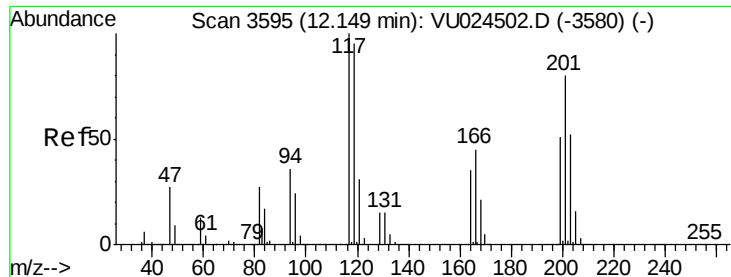
Ion Ratio Lower Upper

75 100

53 0.0 0.0 0.0

89 0.0 0.0 0.0#





#90

Hexachloroethane

Concen: 0.232 ug/l

RT: 12.36 min Scan# 3662

Delta R.T. 0.22 min

Lab File: VU024994.D

Acq: 28 Jun 2018 02:58

Instrument :

MSVOA_U

ClientSampleId :

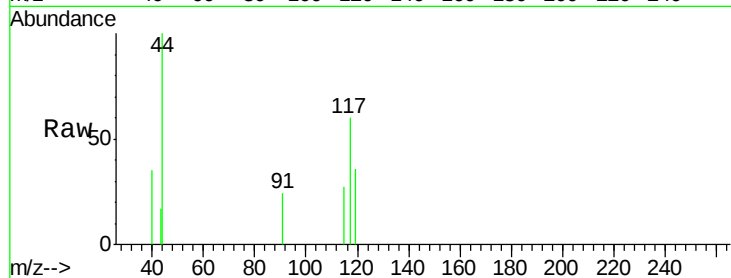
WP021SB477-27-29-180621ME

Tgt Ion:117 Resp: 578

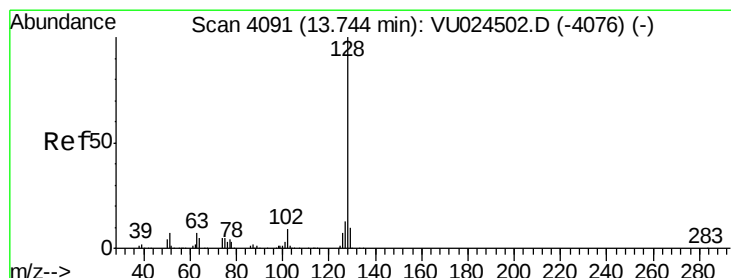
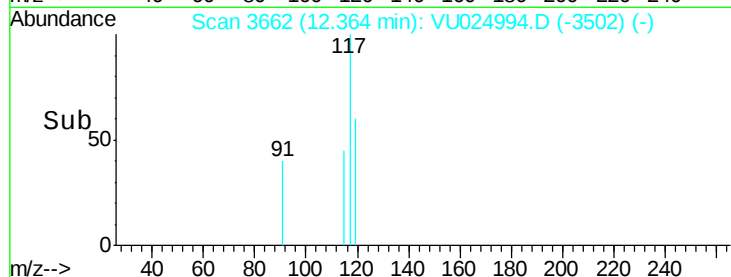
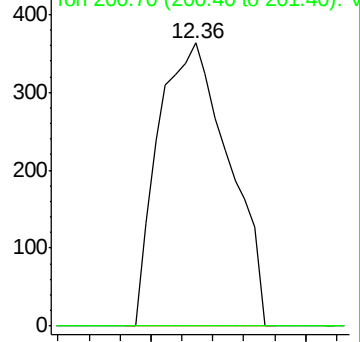
Ion Ratio Lower Upper

117 100

201 0.0 41.1 123.3#



Abundance Ion 116.80 (116.50 to 117.50): V



#95

Naphthalene

Concen: 0.740 ug/l

RT: 13.76 min Scan# 4097

Delta R.T. 0.02 min

Lab File: VU024994.D

Acq: 28 Jun 2018 02:58

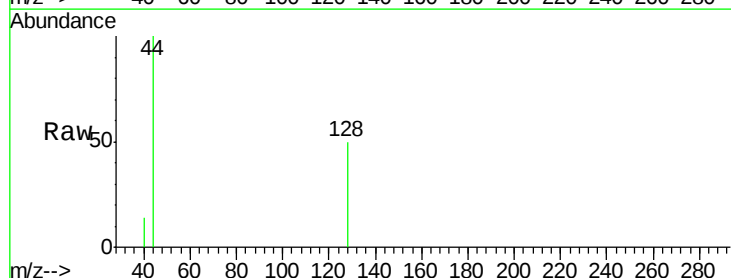
Tgt Ion:128 Resp: 801

Ion Ratio Lower Upper

128 100

127 0.0 10.6 16.0#

129 0.0 8.6 12.8#



Abundance Ion 128.00 (127.70 to 128.70): V

