

Data Path : Z:\VOASRV\HPCHEM1\MSVOA_U\DATA\VU062718\
 Data File : VU024939.D
 Acq On : 26 Jun 2018 23:09
 Operator : MD/SY
 Sample : J3669-18ME
 Misc : 6.19g/5.0ml/100uL/5.0mL/MSVOA_U/MEOH
 ALS Vial : 13 Sample Multiplier: 1

Instrument :
 MSVOA_U
 ClientSampleId :
 WP021SB475-25-27-180620ME

Quant Time: Jun 27 04:17:02 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

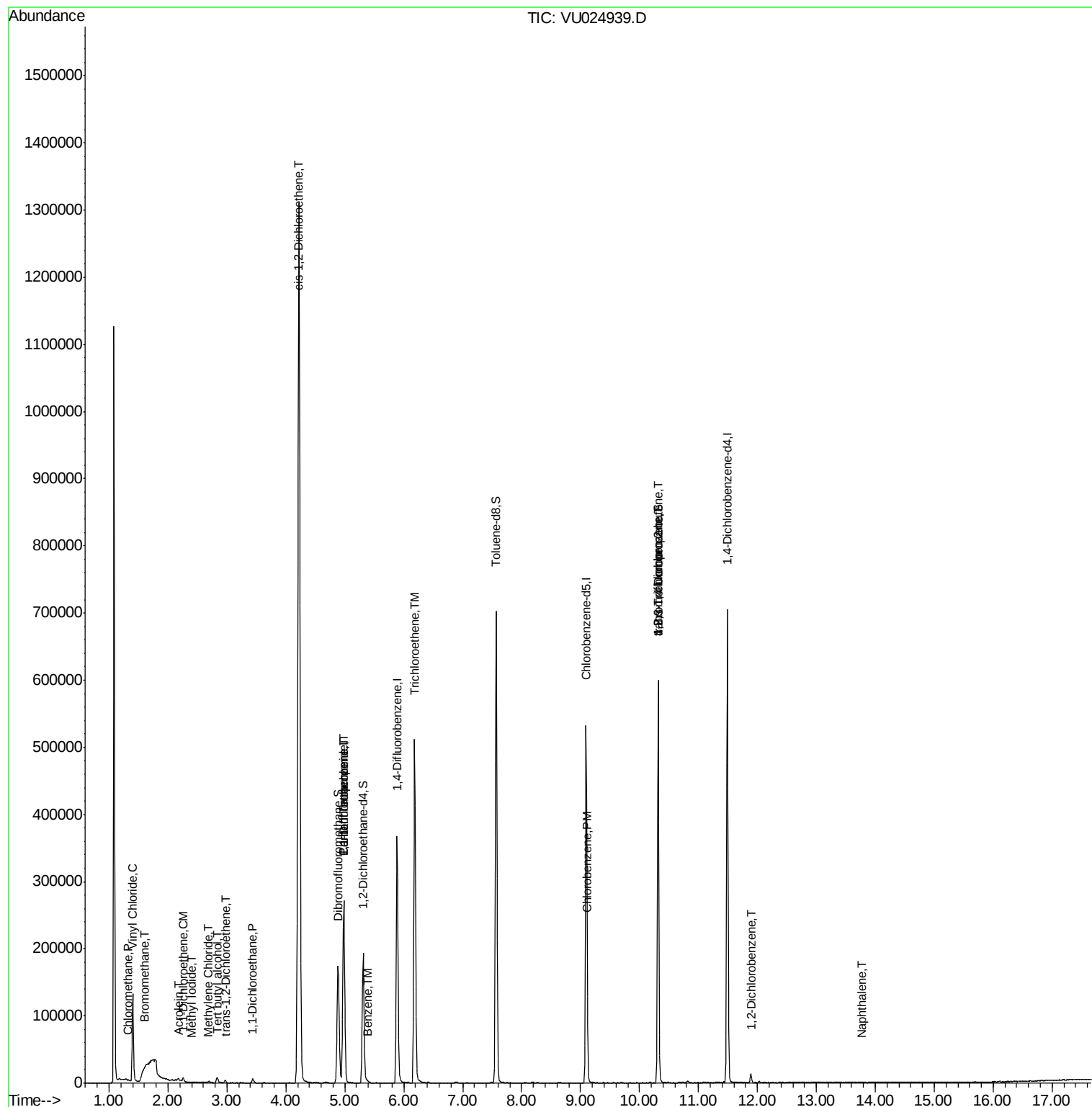
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	4.98	168	215430	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	5.89	114	334329	50.00	ug/l	0.00
63) Chlorobenzene-d5	9.09	117	316373	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	11.49	152	182814	50.00	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	5.31	65	166175	47.25	ug/l	0.00
Spiked Amount	50.000		Recovery	=	94.50%	
35) Dibromofluoromethane	4.88	113	128003	46.13	ug/l	0.00
Spiked Amount	50.000		Recovery	=	92.26%	
50) Toluene-d8	7.57	98	482394	47.66	ug/l	0.00
Spiked Amount	50.000		Recovery	=	95.32%	
62) 4-Bromofluorobenzene	10.32	95	197910	49.25	ug/l	0.00
Spiked Amount	50.000		Recovery	=	98.50%	
Target Compounds						
					Qvalue	
3) Chloromethane	1.32	50	997	0.362	ug/l	94
4) Vinyl Chloride	1.40	62	101039	35.564	ug/l	98
5) Bromomethane	1.61	94	762	0.555	ug/l	98
8) Diethyl Ether	1.84	74	133	Below Cal		56
10) Methyl Iodide	2.38	142	187	5.362	ug/l #	64
11) Tert butyl alcohol	2.84	59	4352	5.088	ug/l #	79
12) 1,1-Dichloroethene	2.26	96	1940	0.791	ug/l	84
13) Acrolein	2.19	56	259	0.577	ug/l #	47
20) Methylene Chloride	2.69	84	834	0.281	ug/l #	92
21) trans-1,2-Dichloroethene	2.97	96	1413	0.523	ug/l #	80
24) 1,1-Dichloroethane	3.44	63	6514	1.254	ug/l #	91
27) cis-1,2-Dichloroethene	4.22	96	755245	243.152	ug/l	89
31) Cyclohexane	4.98	56	4571	Below Cal	#	1
36) 1,1-Dichloropropene	4.99	75	15698	3.996	ug/l #	51
38) Carbon Tetrachloride	4.98	117	20776	4.809	ug/l #	15
40) Benzene	5.39	78	2751	0.246	ug/l #	90
44) Trichloroethene	6.18	130	186663	58.590	ug/l	96
65) Chlorobenzene	9.12	112	2306	0.285	ug/l	96
76) 1,2,3-Trichloropropane	10.32	75	103492	25.713	ug/l #	35
81) trans-1,4-Dichloro-2-buten	10.32	75	103492	59.510	ug/l #	100
91) 1,2-Dichlorobenzene	11.89	146	5313	0.808	ug/l	97
95) Naphthalene	13.77	128	43	0.682	ug/l #	69

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

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#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 4.98 min Scan# 1366

Delta R.T. -0.01 min

Lab File: VU024939.D

Acq: 26 Jun 2018 23:09

Instrument :

MSVOA_U

ClientSampleId :

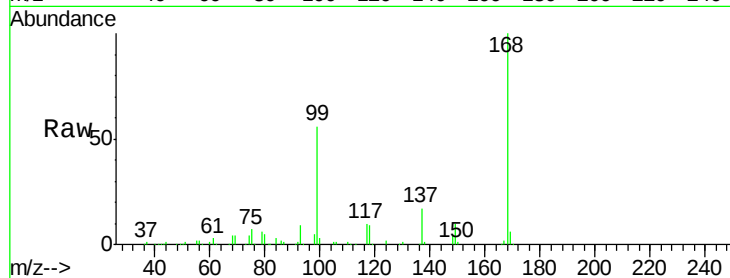
WP021SB475-25-27-180620ME

Tgt Ion:168 Resp: 215430

Ion Ratio Lower Upper

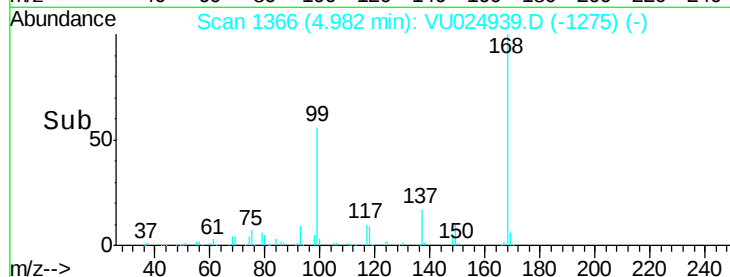
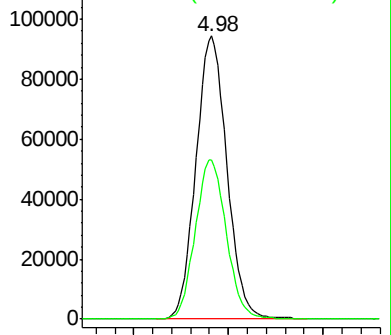
168 100

99 56.5 43.2 64.8



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

Ion 98.90 (98.60 to 99.60): VU024502.D



#3

Chloromethane

Concen: 0.362 ug/l

RT: 1.32 min Scan# 228

Delta R.T. -0.01 min

Lab File: VU024939.D

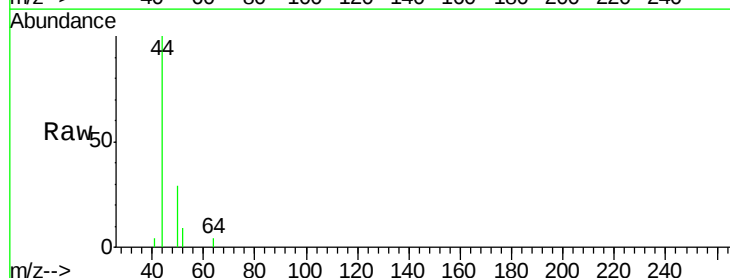
Acq: 26 Jun 2018 23:09

Tgt Ion: 50 Resp: 997

Ion Ratio Lower Upper

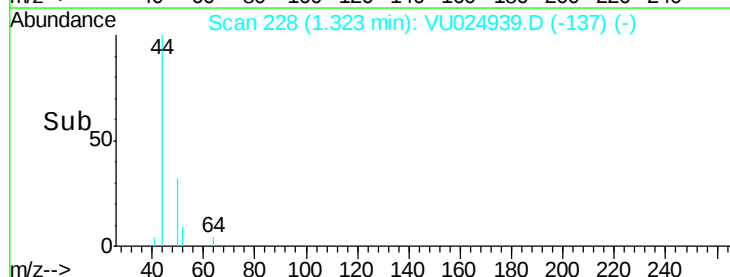
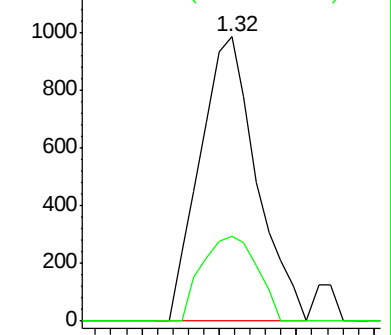
50 100

52 29.7 26.4 39.6



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

Ion 51.90 (51.60 to 52.60): VU024502.D





#4

Vinyl Chloride

Concen: 35.564 ug/l

RT: 1.40 min Scan# 252

Delta R.T. -0.00 min

Lab File: VU024939.D

Acq: 26 Jun 2018 23:09

Instrument :

MSVOA_U

ClientSampleId :

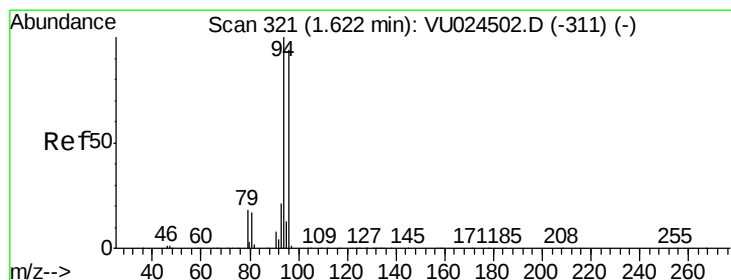
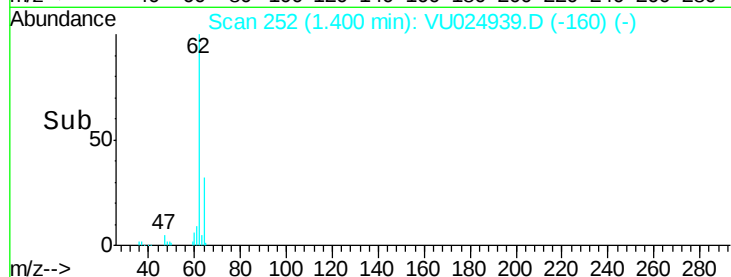
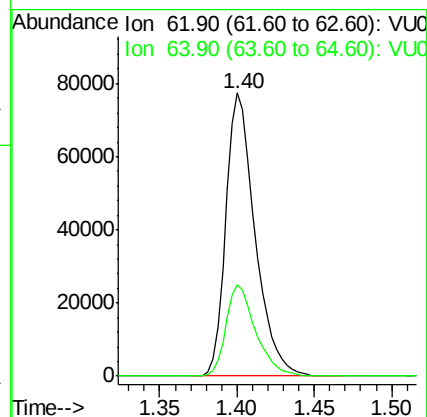
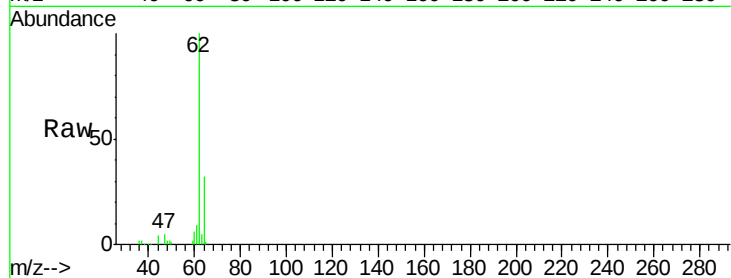
WP021SB475-25-27-180620ME

Tgt Ion: 62 Resp: 101039

Ion Ratio Lower Upper

62 100

64 32.2 24.8 37.2



#5

Bromomethane

Concen: 0.555 ug/l

RT: 1.61 min Scan# 316

Delta R.T. -0.02 min

Lab File: VU024939.D

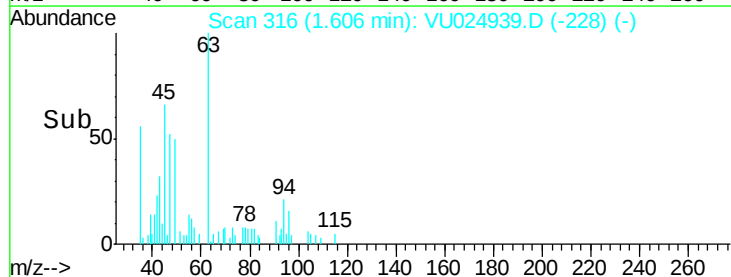
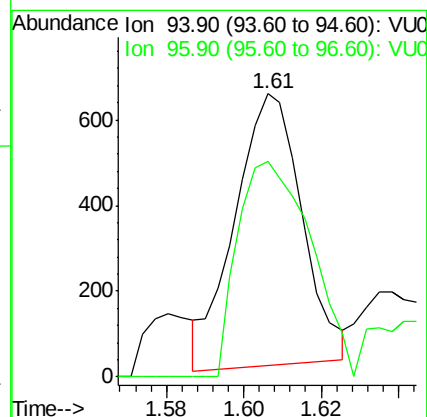
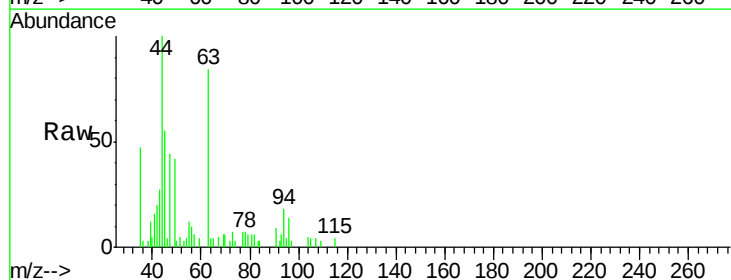
Acq: 26 Jun 2018 23:09

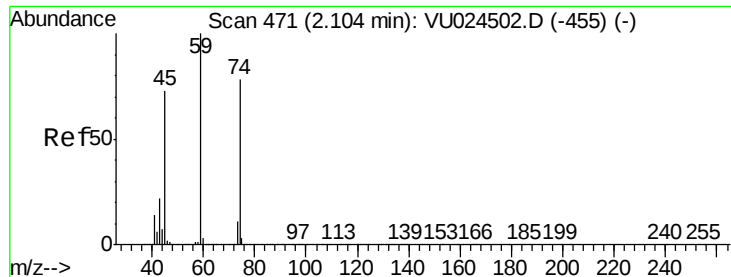
Tgt Ion: 94 Resp: 762

Ion Ratio Lower Upper

94 100

96 91.1 74.5 111.7





#8

Diethyl Ether

Concen: Below Cal

RT: 1.84 min Scan# 390

Delta R.T. -0.26 min

Lab File: VU024939.D

Acq: 26 Jun 2018 23:09

Instrument :

MSVOA_U

ClientSampleId :

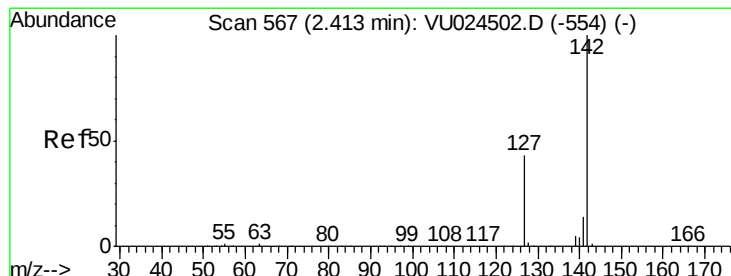
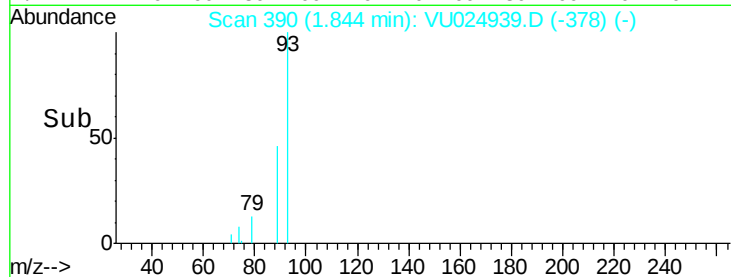
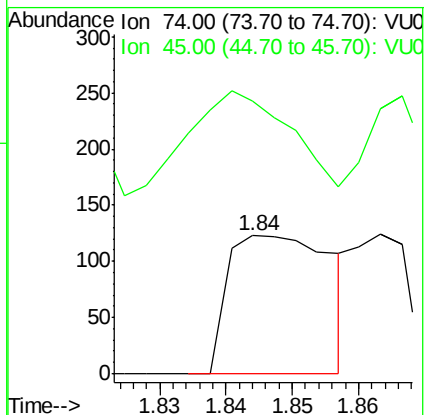
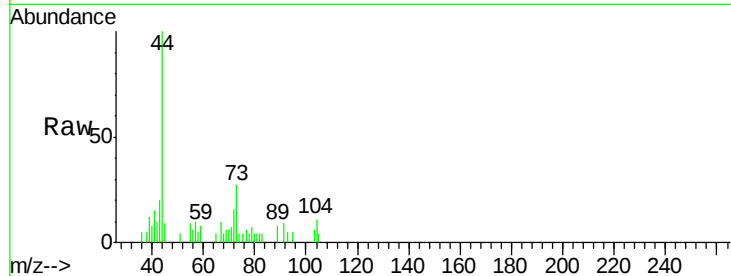
WP021SB475-25-27-180620ME

Tgt Ion: 74 Resp: 133

Ion Ratio Lower Upper

74 100

45 63.9 55.0 165.0



#10

Methyl Iodide

Concen: 5.362 ug/l

RT: 2.38 min Scan# 558

Delta R.T. -0.03 min

Lab File: VU024939.D

Acq: 26 Jun 2018 23:09

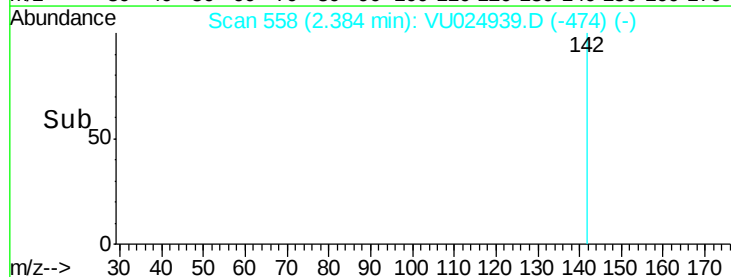
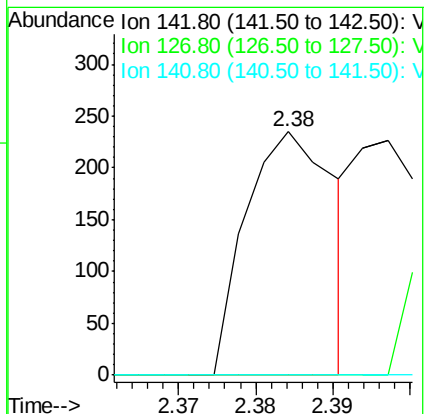
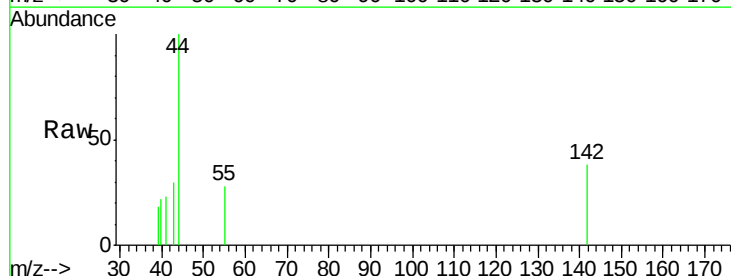
Tgt Ion: 142 Resp: 187

Ion Ratio Lower Upper

142 100

127 20.9 35.6 53.4#

141 0.0 11.7 17.5#





#11

Tert butyl alcohol

Concen: 5.088 ug/l

RT: 2.84 min Scan# 699

Delta R.T. 0.01 min

Lab File: VU024939.D

Acq: 26 Jun 2018 23:09

Instrument :

MSVOA_U

ClientSampleId :

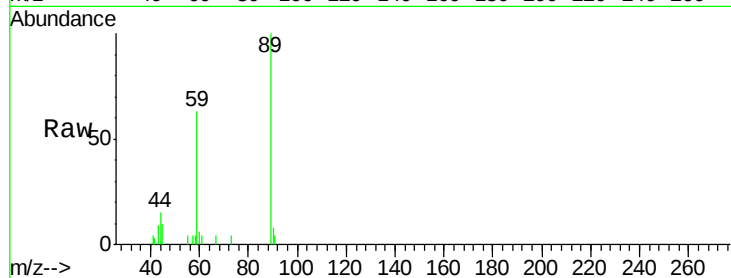
WP021SB475-25-27-180620ME

Tgt Ion: 59 Resp: 4352

Ion Ratio Lower Upper

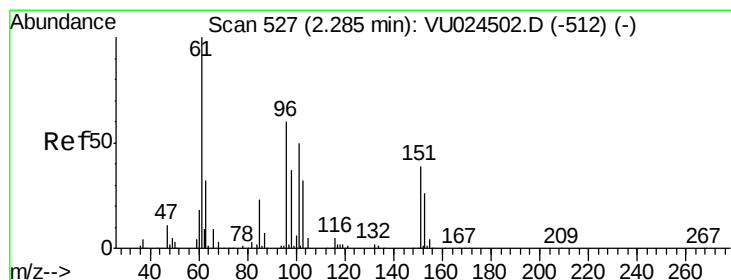
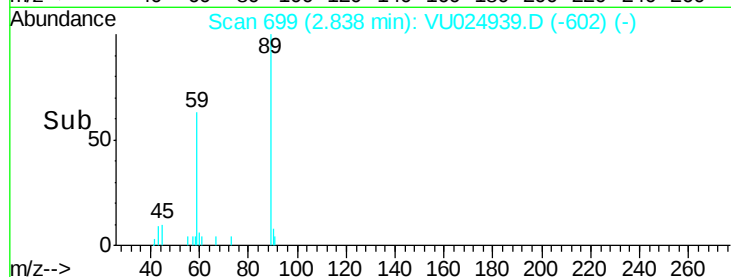
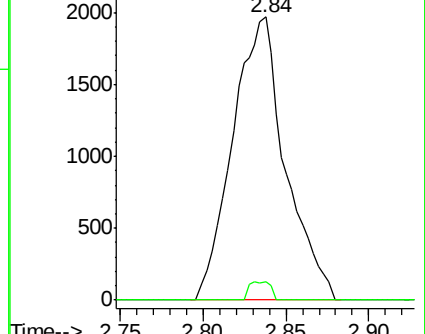
59 100

57 2.6 8.5 12.7#



Abundance Ion 59.00 (58.70 to 59.70): VU0

Ion 57.00 (56.70 to 57.70): VU0



#12

1,1-Dichloroethene

Concen: 0.791 ug/l

RT: 2.26 min Scan# 519

Delta R.T. -0.03 min

Lab File: VU024939.D

Acq: 26 Jun 2018 23:09

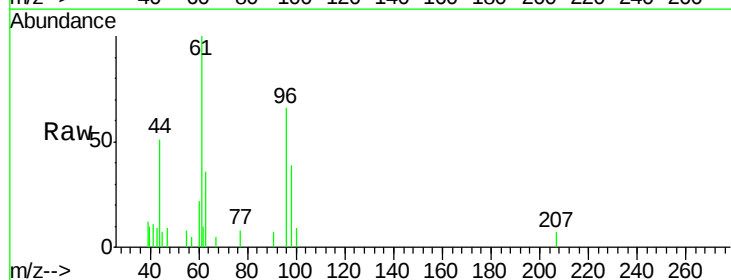
Tgt Ion: 96 Resp: 1940

Ion Ratio Lower Upper

96 100

61 150.4 141.7 212.5

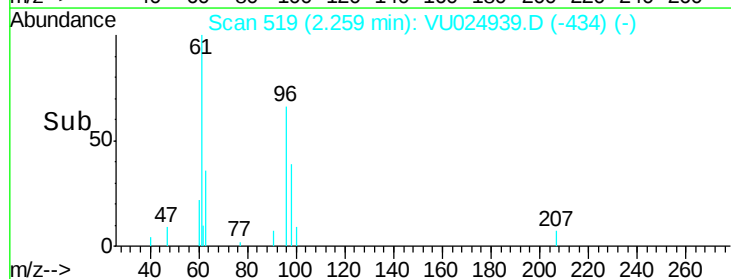
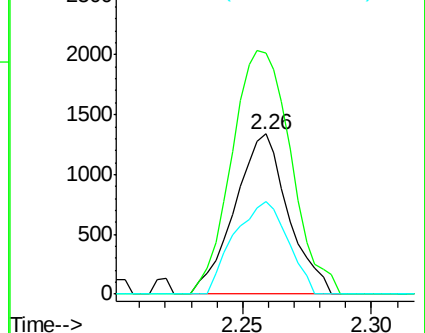
98 58.2 51.6 77.4

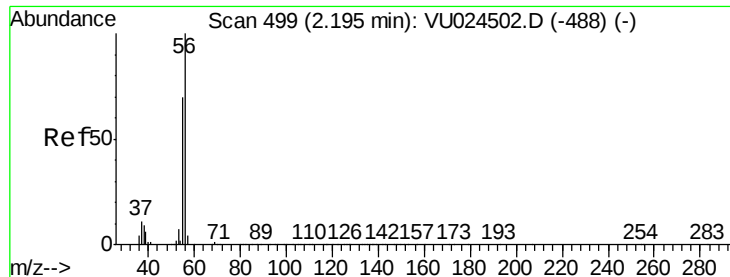


Abundance Ion 95.90 (95.60 to 96.60): VU0

Ion 60.90 (60.60 to 61.60): VU0

Ion 97.90 (97.60 to 98.60): VU0





#13

Acrolein

Concen: 0.577 ug/l

RT: 2.19 min Scan# 497

Delta R.T. -0.01 min

Lab File: VU024939.D

Acq: 26 Jun 2018 23:09

Instrument :

MSVOA_U

ClientSampleId :

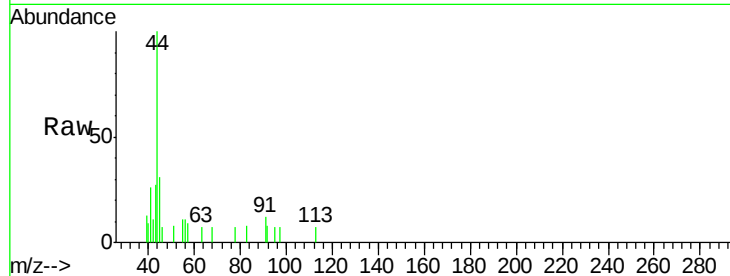
WP021SB475-25-27-180620ME

Tgt Ion: 56 Resp: 259

Ion Ratio Lower Upper

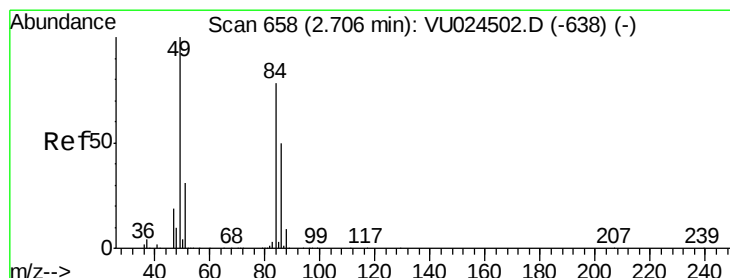
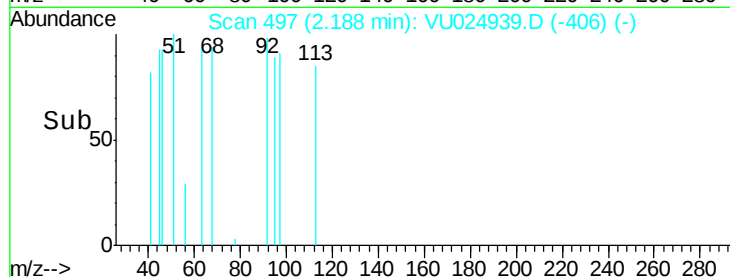
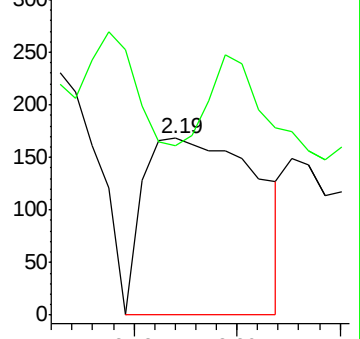
56 100

55 28.2 58.4 87.6#



Abundance Ion 56.00 (55.70 to 56.70): VU0

Ion 55.00 (54.70 to 55.70): VU0



#20

Methylene Chloride

Concen: 0.281 ug/l

RT: 2.69 min Scan# 654

Delta R.T. -0.01 min

Lab File: VU024939.D

Acq: 26 Jun 2018 23:09

Tgt Ion: 84 Resp: 834

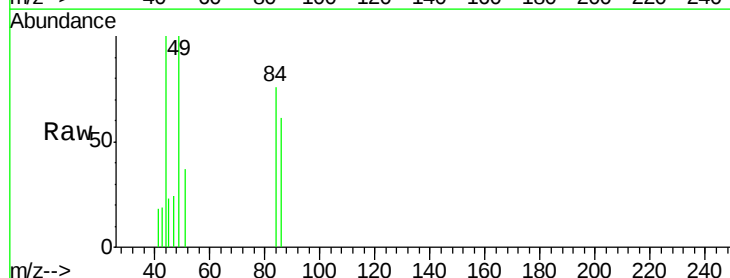
Ion Ratio Lower Upper

84 100

49 131.0 103.8 155.8

51 48.4 32.0 48.0#

86 79.5 51.6 77.4#

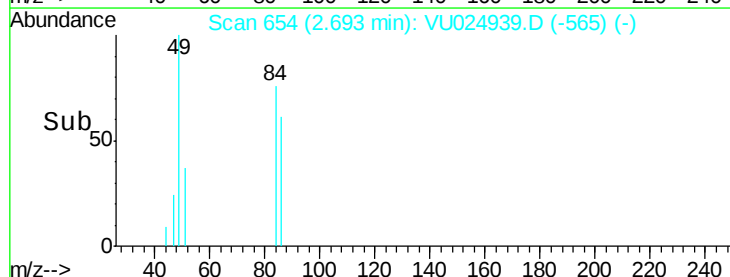
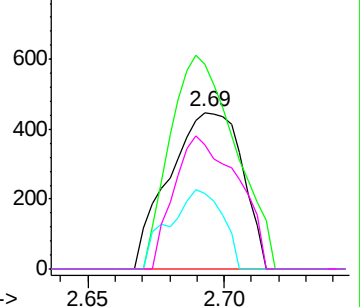


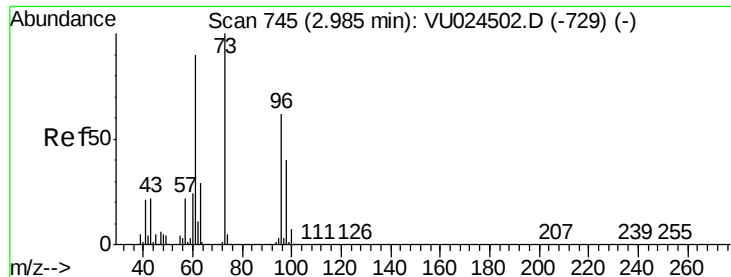
Abundance Ion 83.90 (83.60 to 84.60): VU0

Ion 48.90 (48.60 to 49.60): VU0

Ion 50.90 (50.60 to 51.60): VU0

Ion 85.90 (85.60 to 86.60): VU0





#21

trans-1,2-Dichloroethene

Concen: 0.523 ug/l

RT: 2.97 min Scan# 741

Delta R.T. -0.01 min

Lab File: VU024939.D

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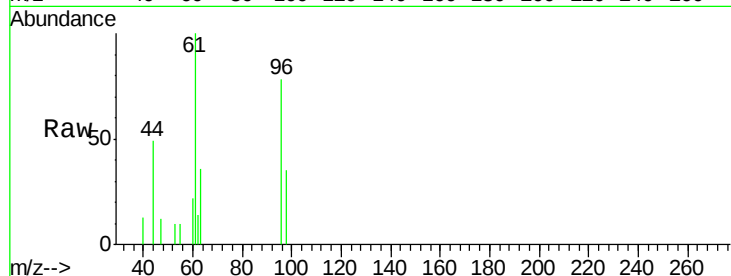
Tgt Ion: 96 Resp: 1413

Ion Ratio Lower Upper

96 100

61 127.5 119.4 179.0

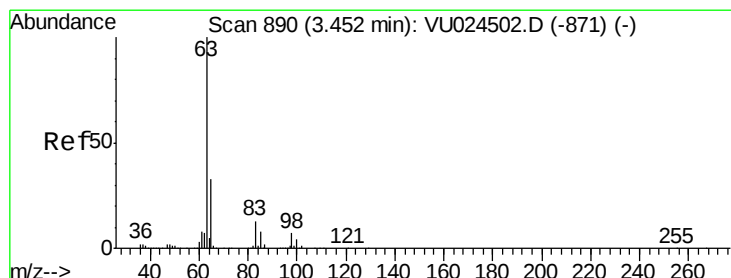
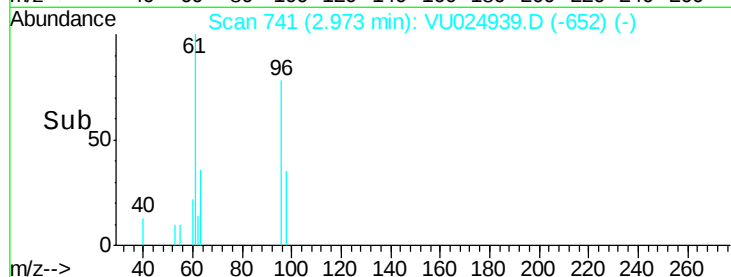
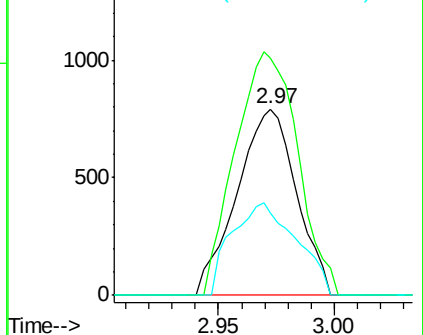
98 44.3 51.1 76.7#



Abundance Ion 95.90 (95.60 to 96.60): VU0

Ion 60.90 (60.60 to 61.60): VU0

Ion 97.90 (97.60 to 98.60): VU0



#24

1,1-Dichloroethane

Concen: 1.254 ug/l

RT: 3.44 min Scan# 886

Delta R.T. -0.01 min

Lab File: VU024939.D

Acq: 26 Jun 2018 23:09

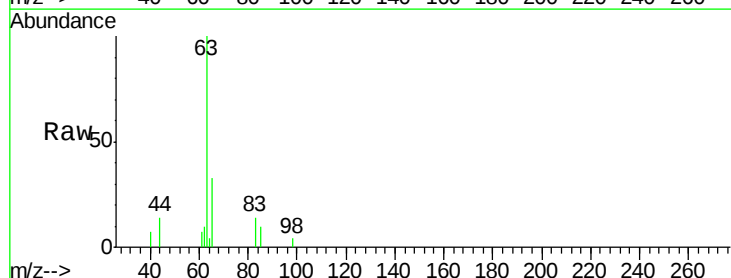
Tgt Ion: 63 Resp: 6514

Ion Ratio Lower Upper

63 100

98 4.2 3.5 10.4

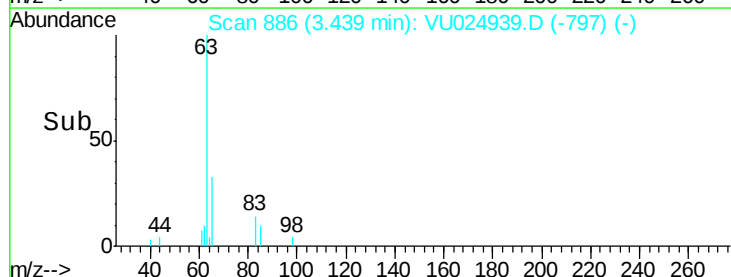
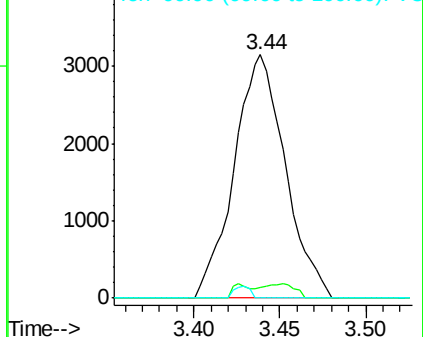
100 0.0 1.8 5.5#

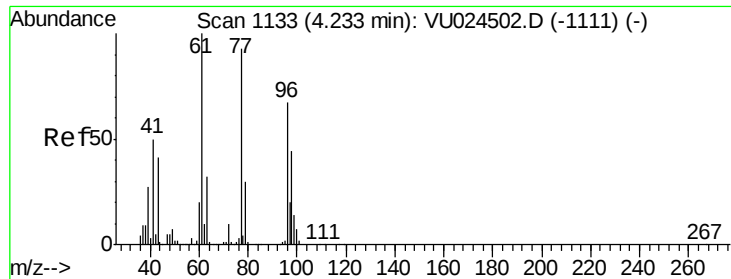


Abundance Ion 62.90 (62.60 to 63.60): VU0

Ion 97.90 (97.60 to 98.60): VU0

Ion 99.90 (99.60 to 100.60): VU0

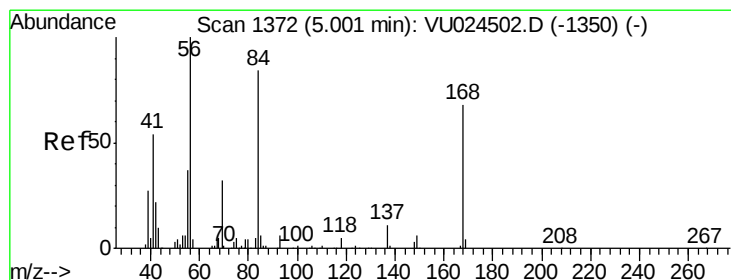
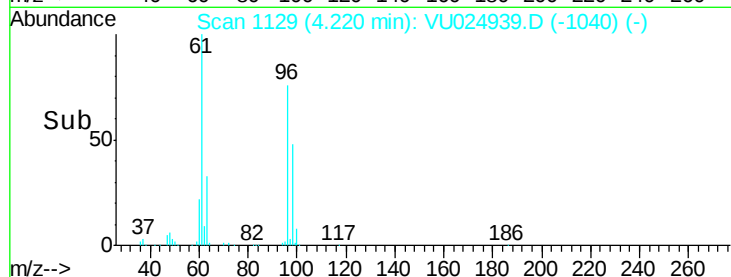
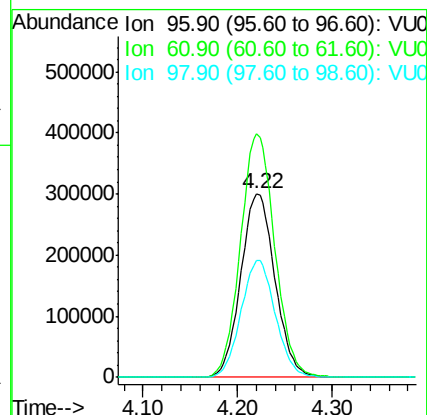
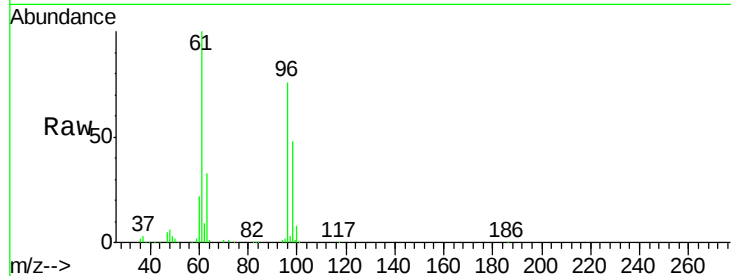




#27
 cis-1,2-Dichloroethene
 Concen: 243.152 ug/l
 RT: 4.22 min Scan# 1129
 Delta R.T. -0.01 min
 Lab File: VU024939.D
 Acq: 26 Jun 2018 23:09

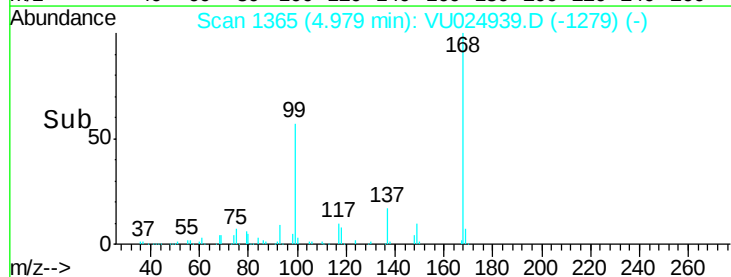
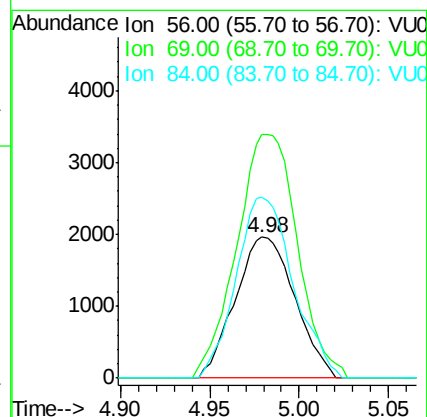
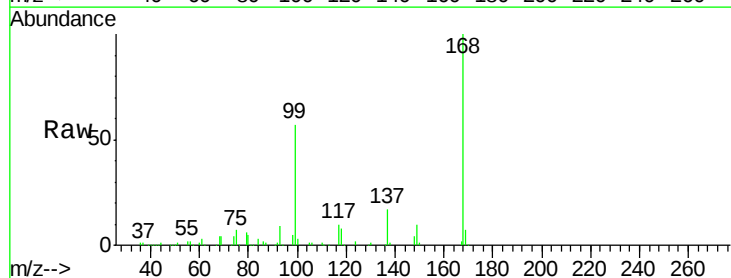
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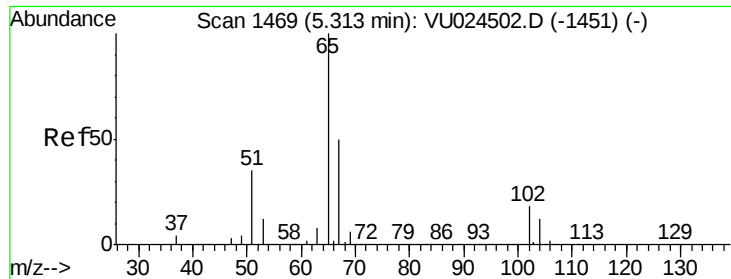
Tgt Ion	Ratio	Lower	Upper
96	100		
61	133.1	0.0	306.6
98	64.1	0.0	128.8



#31
 Cyclohexane
 Concen: Below Cal
 RT: 4.98 min Scan# 1365
 Delta R.T. -0.02 min
 Lab File: VU024939.D
 Acq: 26 Jun 2018 23:09

Tgt Ion	Ratio	Lower	Upper
56	100		
69	172.4	24.8	37.2#
84	128.6	65.2	97.8#

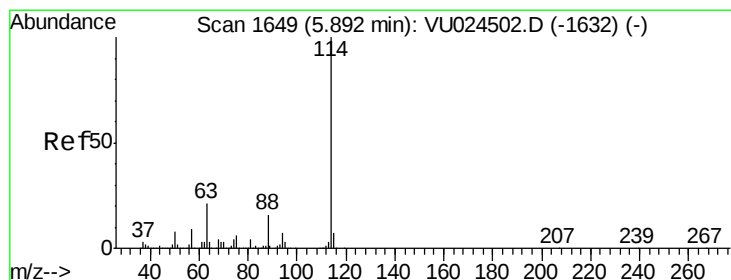
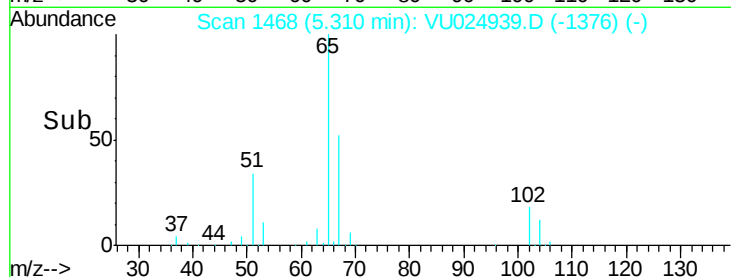
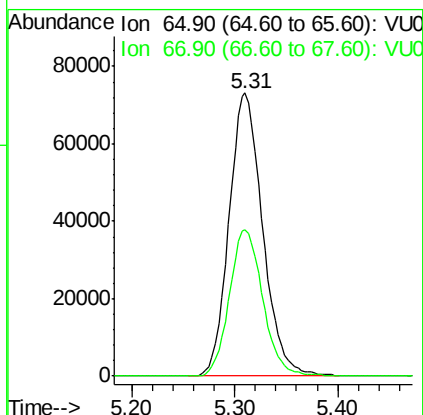
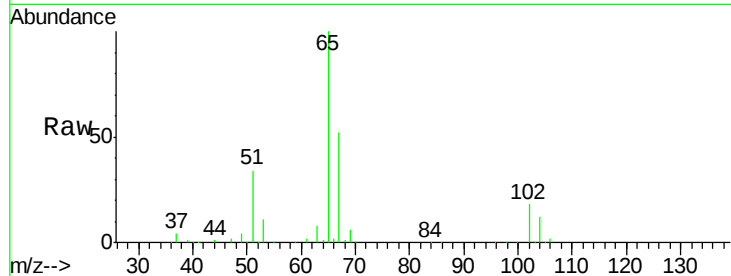




#33
 1,2-Dichloroethane-d4
 Concen: 47.250 ug/l
 RT: 5.31 min Scan# 1468
 Delta R.T. -0.00 min
 Lab File: VU024939.D
 Acq: 26 Jun 2018 23:09

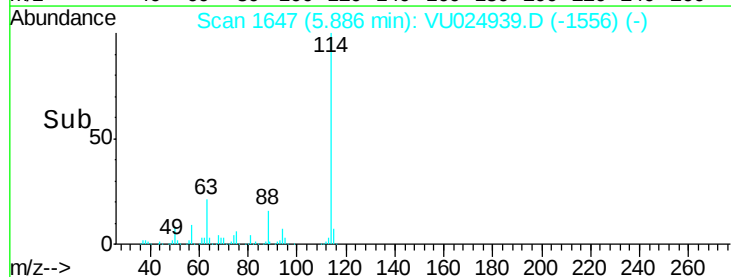
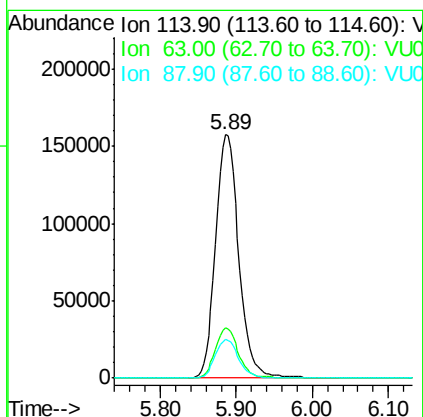
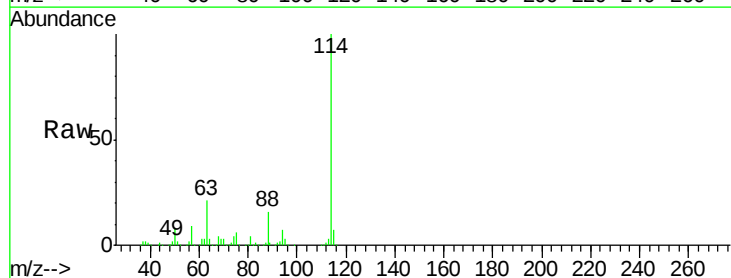
Instrument :
 MSVOA_U
 ClientSampleId :
 WP021SB475-25-27-180620ME

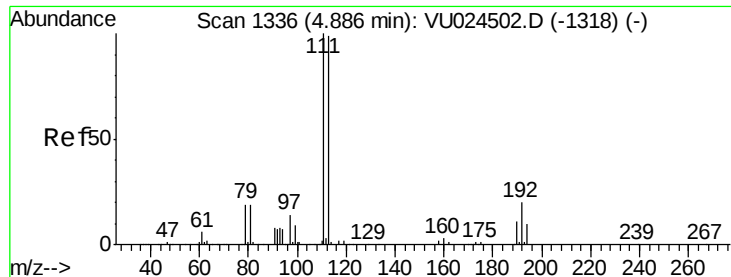
Tgt Ion: 65 Resp: 166175
 Ion Ratio Lower Upper
 65 100
 67 51.4 0.0 107.0



#34
 1,4-Difluorobenzene
 Concen: 50.000 ug/l
 RT: 5.89 min Scan# 1647
 Delta R.T. -0.01 min
 Lab File: VU024939.D
 Acq: 26 Jun 2018 23:09

Tgt Ion: 114 Resp: 334329
 Ion Ratio Lower Upper
 114 100
 63 20.6 0.0 45.4
 88 15.7 0.0 31.0

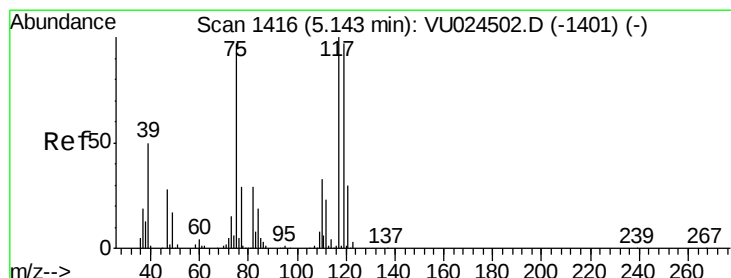
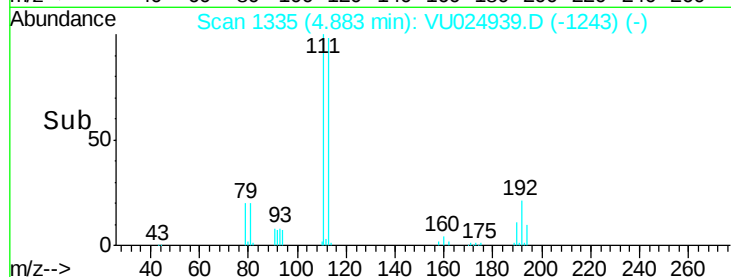
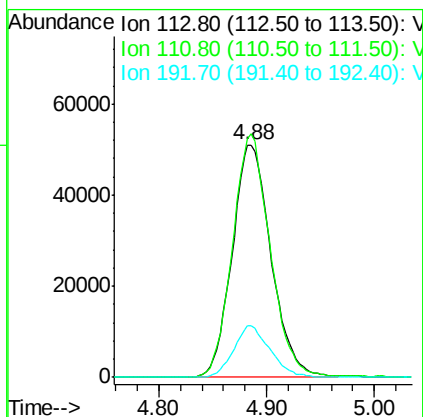
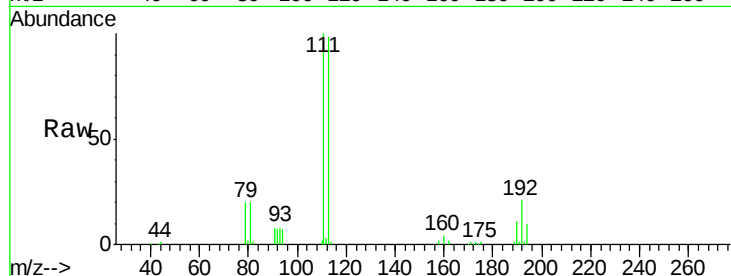




#35
 Dibromofluoromethane
 Concen: 46.133 ug/l
 RT: 4.88 min Scan# 1335
 Delta R.T. -0.00 min
 Lab File: VU024939.D
 Acq: 26 Jun 2018 23:09

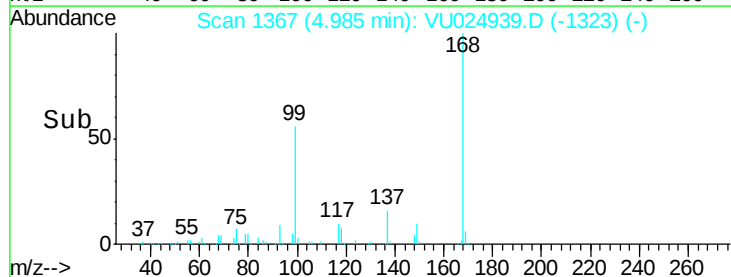
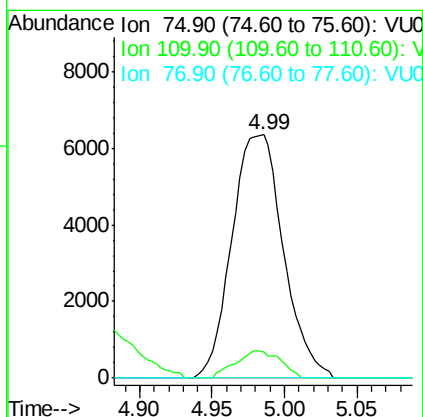
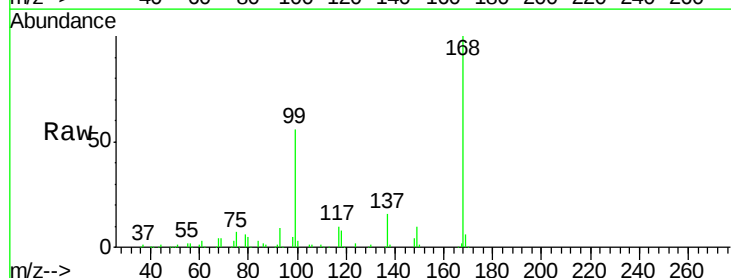
Instrument :
 MSVOA_U
 ClientSampleId :
 WP021SB475-25-27-180620ME

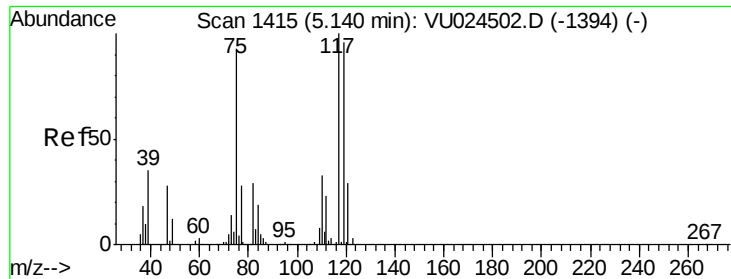
Tgt Ion:113 Resp: 128003
 Ion Ratio Lower Upper
 113 100
 111 101.7 82.2 123.4
 192 20.8 16.2 24.4



#36
 1,1-Dichloropropene
 Concen: 3.996 ug/l
 RT: 4.99 min Scan# 1367
 Delta R.T. -0.16 min
 Lab File: VU024939.D
 Acq: 26 Jun 2018 23:09

Tgt Ion: 75 Resp: 15698
 Ion Ratio Lower Upper
 75 100
 110 9.7 17.0 50.9#
 77 0.0 24.2 36.4#

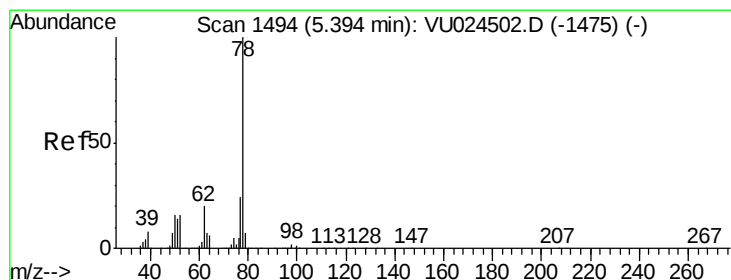
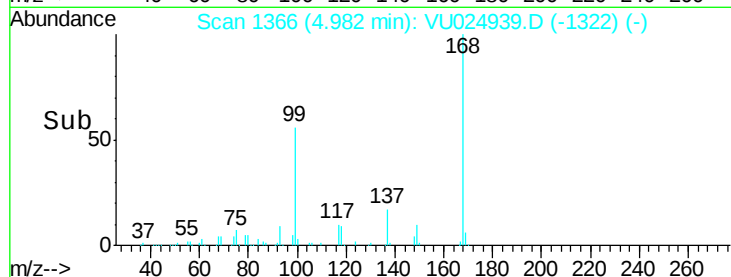
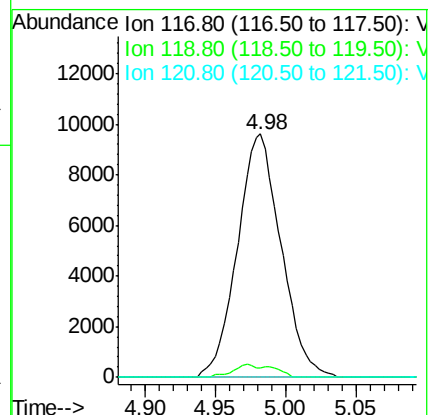
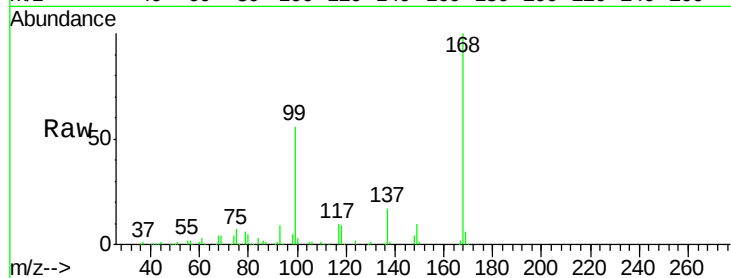




#38
 Carbon Tetrachloride
 Concen: 4.809 ug/l
 RT: 4.98 min Scan# 1366
 Delta R.T. -0.16 min
 Lab File: VU024939.D
 Acq: 26 Jun 2018 23:09

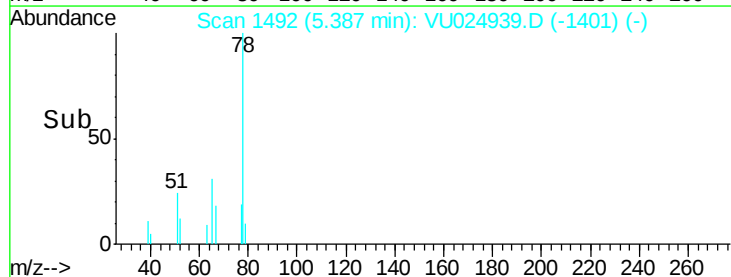
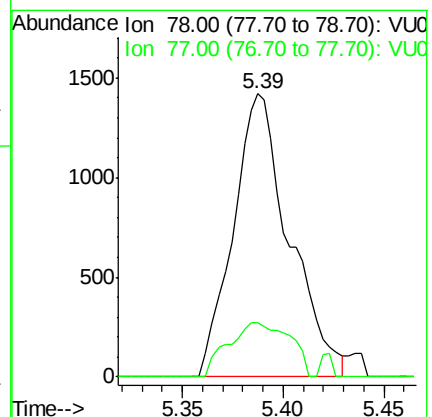
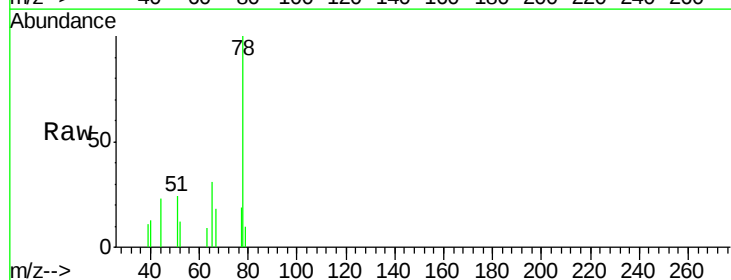
Instrument :
 MSVOA_U
 ClientSampleId :
 WP021SB475-25-27-180620ME

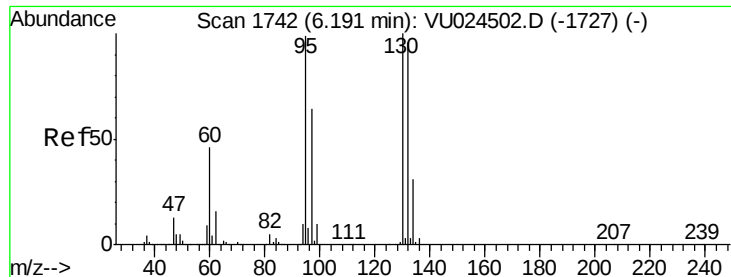
Tgt Ion:117 Resp: 20776
 Ion Ratio Lower Upper
 117 100
 119 3.8 76.1 114.1#
 121 0.0 23.7 35.5#



#40
 Benzene
 Concen: 0.246 ug/l
 RT: 5.39 min Scan# 1492
 Delta R.T. -0.01 min
 Lab File: VU024939.D
 Acq: 26 Jun 2018 23:09

Tgt Ion: 78 Resp: 2751
 Ion Ratio Lower Upper
 78 100
 77 19.1 19.2 28.8#





#44

Trichloroethene

Concen: 58.590 ug/l

RT: 6.18 min Scan# 1740

Delta R.T. -0.01 min

Lab File: VU024939.D

Acq: 26 Jun 2018 23:09

Instrument :

MSVOA_U

ClientSampleId :

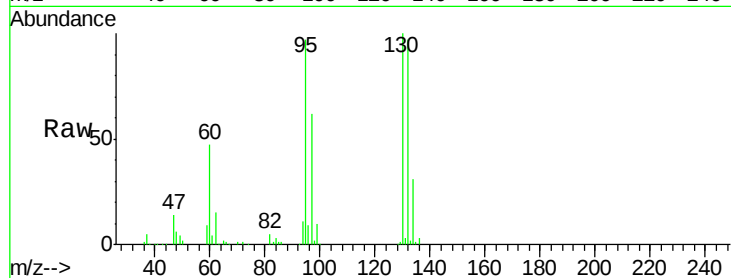
WP021SB475-25-27-180620ME

Tgt Ion:130 Resp: 186663

Ion Ratio Lower Upper

130 100

95 97.4 0.0 202.4



Abundance Ion 129.80 (129.50 to 130.50): V

Ion 94.90 (94.60 to 95.60): VU0

6.18

100000

80000

60000

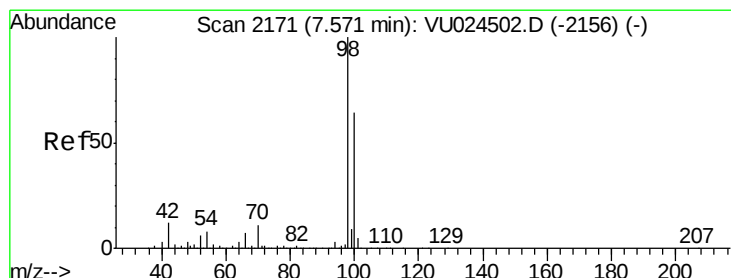
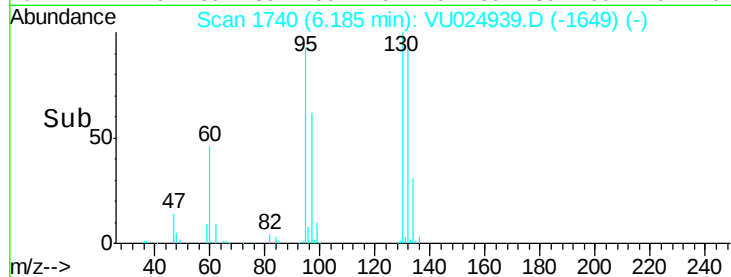
40000

20000

0

Time-->

6.10 6.20 6.30



#50

Toluene-d8

Concen: 47.663 ug/l

RT: 7.57 min Scan# 2170

Delta R.T. -0.00 min

Lab File: VU024939.D

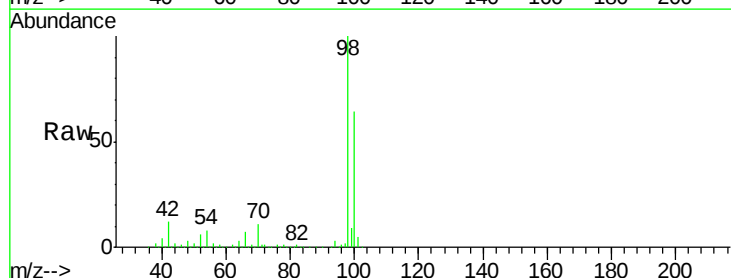
Acq: 26 Jun 2018 23:09

Tgt Ion: 98 Resp: 482394

Ion Ratio Lower Upper

98 100

100 63.4 51.1 76.7



Abundance Ion 98.00 (97.70 to 98.70): VU0

Ion 100.00 (99.70 to 100.70): VU

7.57

300000

250000

200000

150000

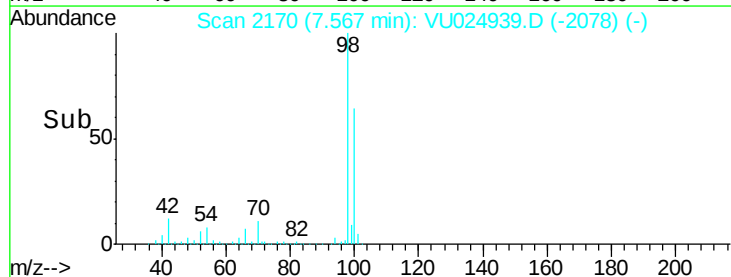
100000

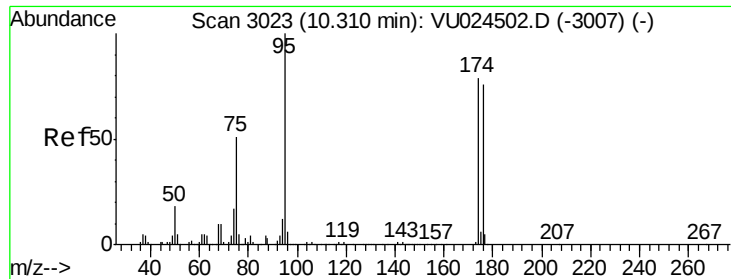
50000

0

Time-->

7.50 7.55 7.60 7.65





#62

4-Bromofluorobenzene

Concen: 49.251 ug/l

RT: 10.32 min Scan# 3025

Delta R.T. 0.01 min

Lab File: VU024939.D

Acq: 26 Jun 2018 23:09

Instrument :

MSVOA_U

ClientSampleId :

WP021SB475-25-27-180620ME

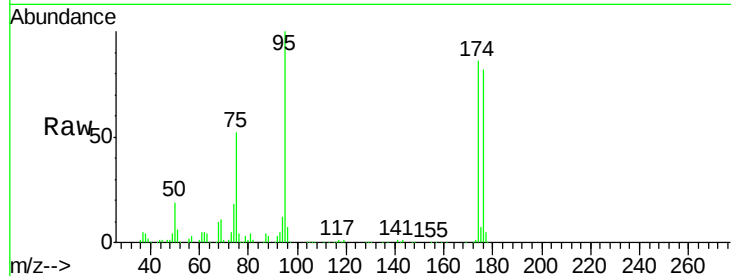
Tgt Ion: 95 Resp: 197910

Ion Ratio Lower Upper

95 100

174 84.7 0.0 165.8

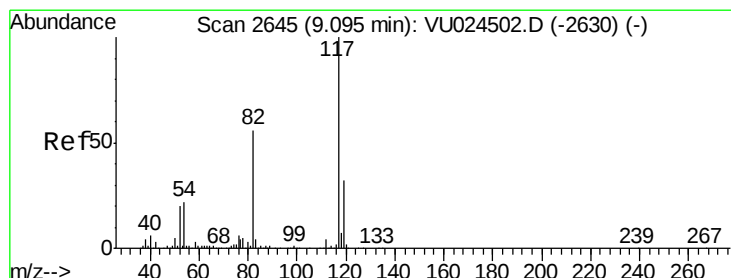
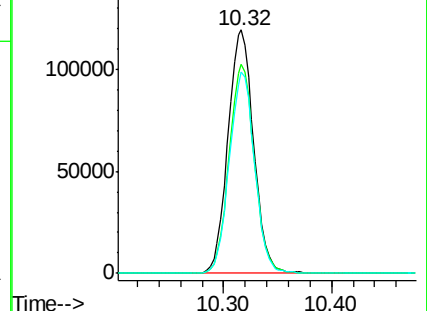
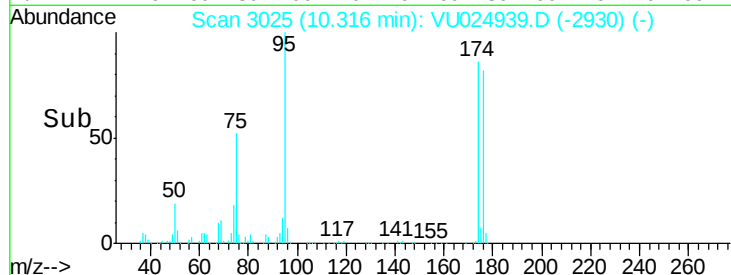
176 81.4 0.0 159.4



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: 50.000 ug/l

RT: 9.09 min Scan# 2645

Delta R.T. 0.00 min

Lab File: VU024939.D

Acq: 26 Jun 2018 23:09

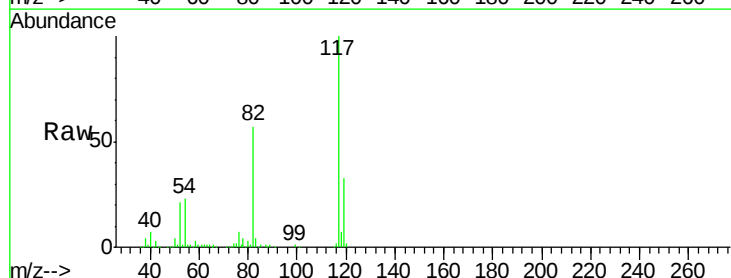
Tgt Ion: 117 Resp: 316373

Ion Ratio Lower Upper

117 100

82 56.8 44.3 66.5

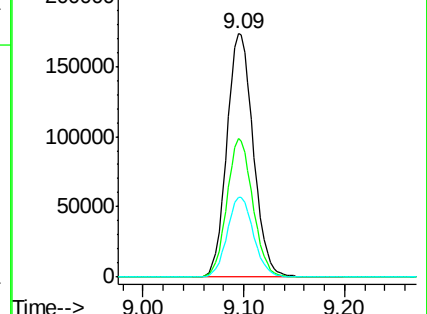
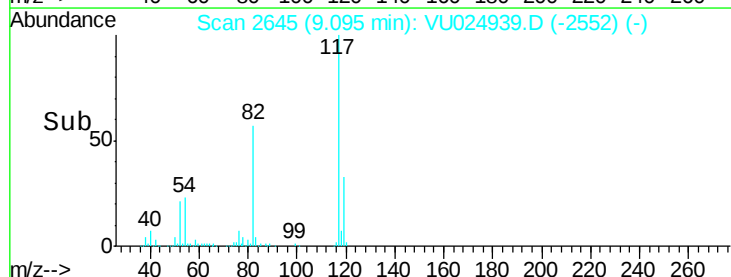
119 32.6 25.4 38.2

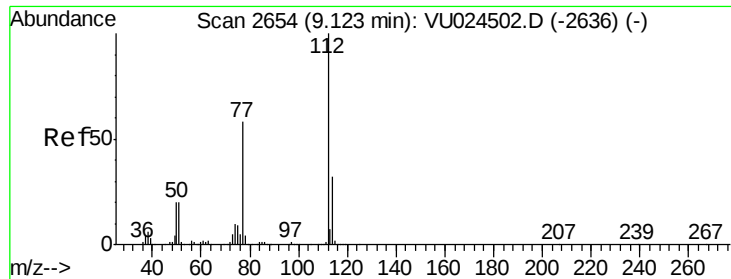


Abundance Ion 116.90 (116.60 to 117.60): VU024502.D (-2630) (-)

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: 0.285 ug/l

RT: 9.12 min Scan# 2654

Delta R.T. 0.00 min

Lab File: VU024939.D

Acq: 26 Jun 2018 23:09

Instrument :

MSVOA_U

ClientSampleId :

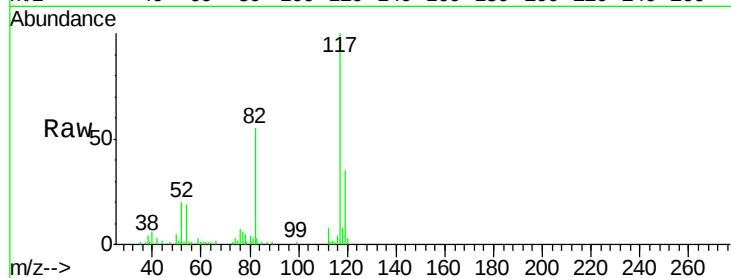
WP021SB475-25-27-180620ME

Tgt Ion:112 Resp: 2306

Ion Ratio Lower Upper

112 100

114 29.7 25.6 38.4



Abundance Ion 111.90 (111.60 to 112.60): V

Ion 113.90 (113.60 to 114.60): V

1500

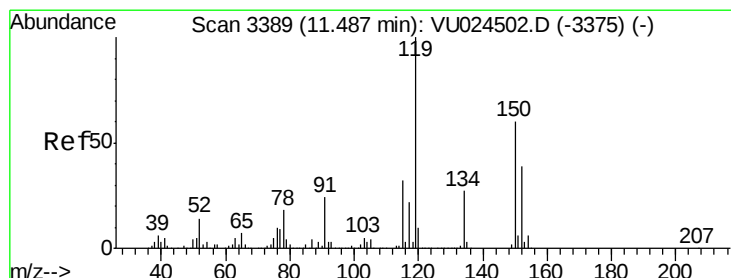
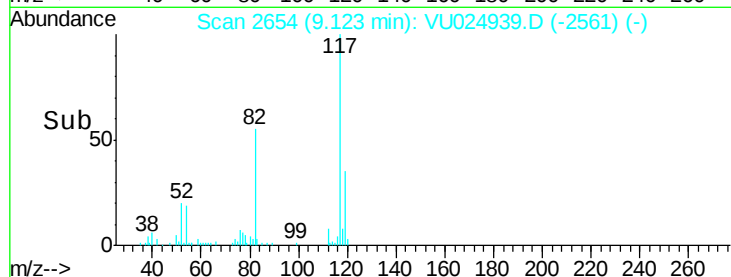
1000

500

0

9.10 9.15

Time-->



#72

1,4-Dichlorobenzene-d4

Concen: 50.000 ug/l

RT: 11.49 min Scan# 3390

Delta R.T. 0.00 min

Lab File: VU024939.D

Acq: 26 Jun 2018 23:09

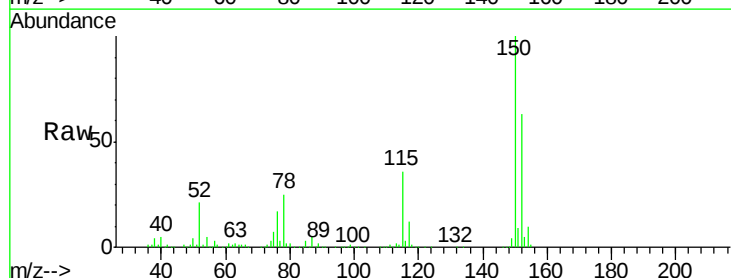
Tgt Ion:152 Resp: 182814

Ion Ratio Lower Upper

152 100

115 57.8 43.0 129.0

150 156.7 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

250000

200000

150000

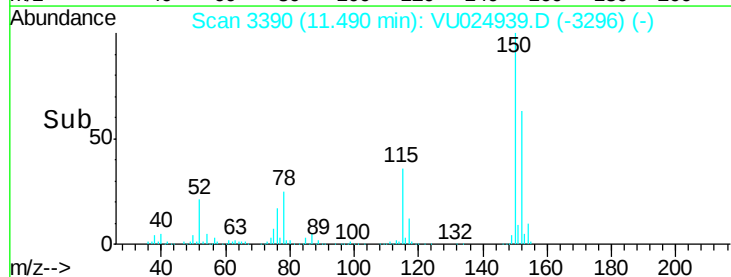
100000

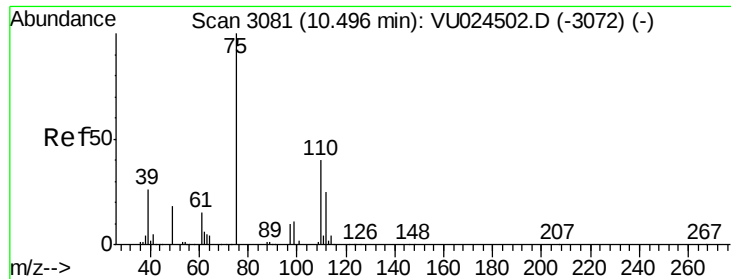
50000

0

11.40 11.45 11.50 11.55

Time-->

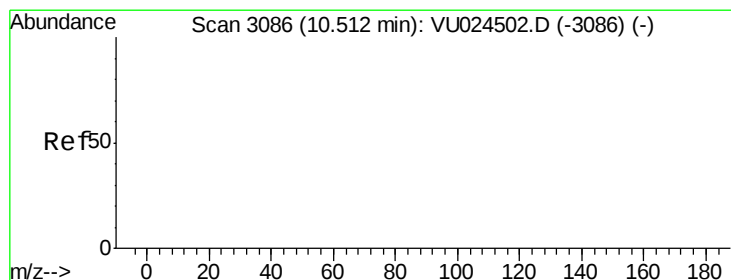
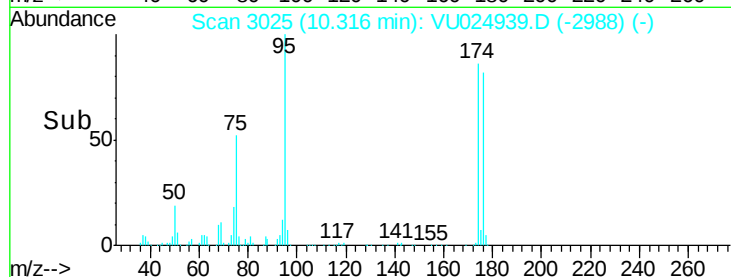
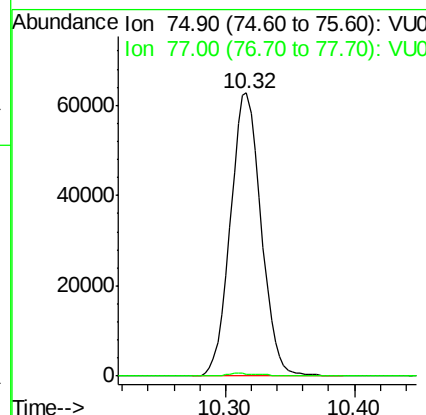
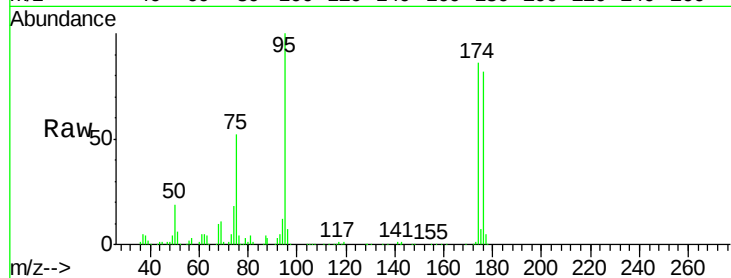




#76
 1,2,3-Trichloropropane
 Concen: 25.713 ug/l
 RT: 10.32 min Scan# 3025
 Delta R.T. -0.18 min
 Lab File: VU024939.D
 Acq: 26 Jun 2018 23:09

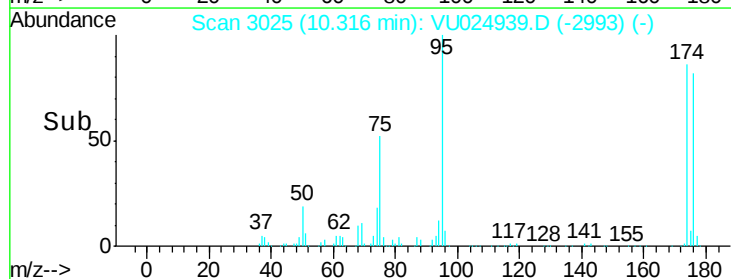
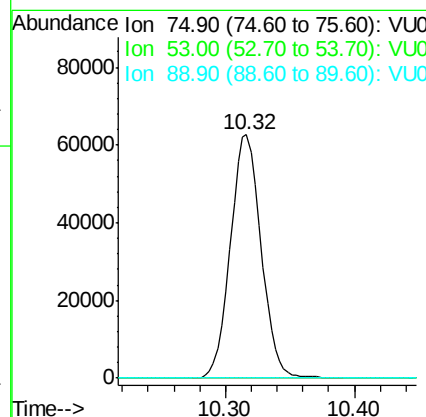
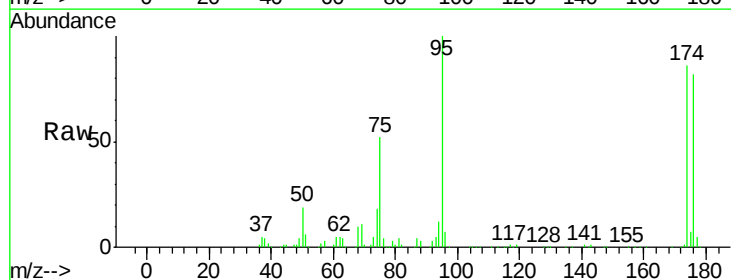
Instrument :
 MSVOA_U
 ClientSampleId :
 WP021SB475-25-27-180620ME

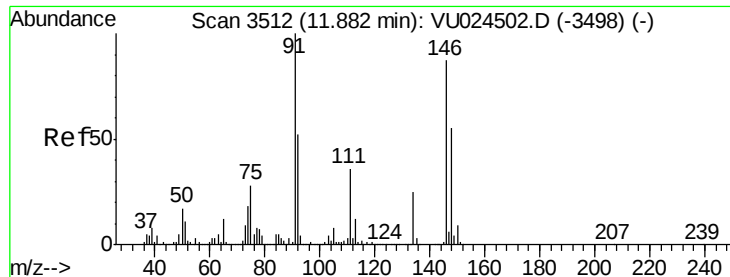
Tgt Ion: 75 Resp: 103492
 Ion Ratio Lower Upper
 75 100
 77 1.0 20.9 62.7#



#81
 trans-1,4-Dichloro-2-butene
 Concen: 59.510 ug/l
 RT: 10.32 min Scan# 3025
 Delta R.T. -0.20 min
 Lab File: VU024939.D
 Acq: 26 Jun 2018 23:09

Tgt Ion: 75 Resp: 103492
 Ion Ratio Lower Upper
 75 100
 53 0.0 0.0 0.0
 89 0.0 0.0 0.0





#91

1,2-Dichlorobenzene

Concen: 0.808 ug/l

RT: 11.89 min Scan# 3514

Delta R.T. 0.01 min

Lab File: VU024939.D

Acq: 26 Jun 2018 23:09

Instrument :

MSVOA_U

ClientSampleId :

WP021SB475-25-27-180620ME

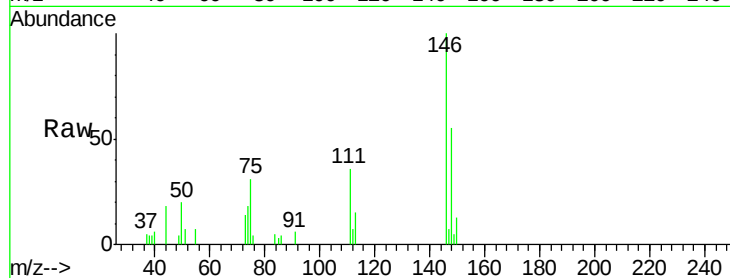
Tgt Ion:146 Resp: 5313

Ion Ratio Lower Upper

146 100

111 37.5 20.5 61.6

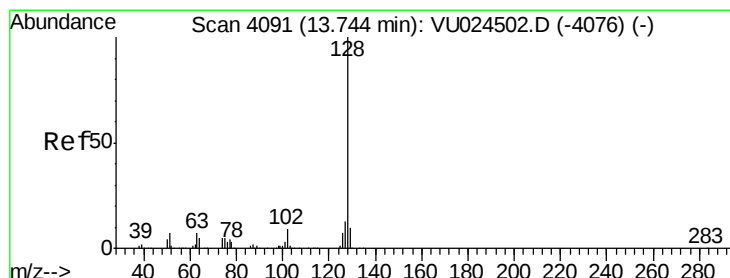
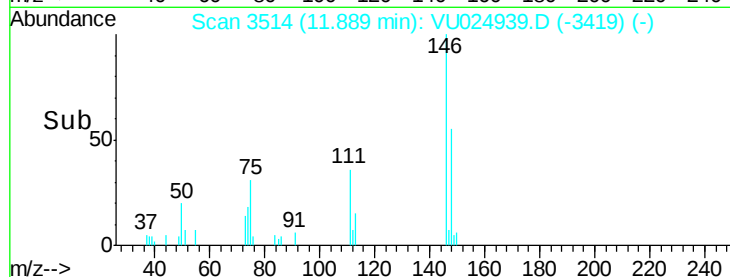
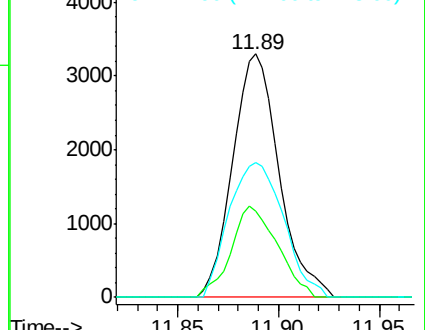
148 65.3 31.9 95.7



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: 0.682 ug/l

RT: 13.77 min Scan# 4099

Delta R.T. 0.03 min

Lab File: VU024939.D

Acq: 26 Jun 2018 23:09

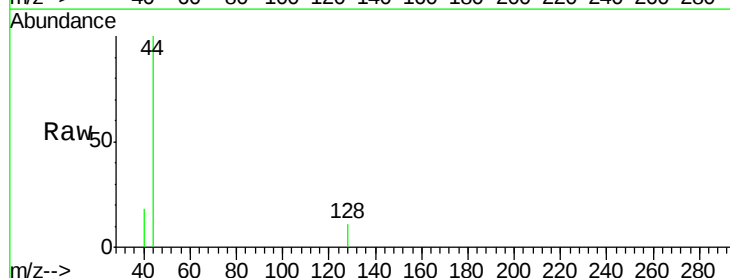
Tgt Ion:128 Resp: 43

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

Ion 127.00 (126.70 to 127.70): V

Ion 129.00 (128.70 to 129.70): V

