

Data Path : Z:\VOASRV\HPCHEM1\MSVOA_U\DATA\VU063018\
 Data File : VU025092.D
 Acq On : 30 Jun 2018 16:47
 Operator : MD/SY
 Sample : J3759-03
 Misc : 5.0mL/MSVOA_U/WATER
 ALS Vial : 15 Sample Multiplier: 1

Instrument :
 MSVOA_U
 ClientSampleId :
 WP021MW361-180625

Quant Time: Jul 02 05:38:53 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	217099	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	5.89	114	322618	50.00	ug/l	0.00
63) Chlorobenzene-d5	9.09	117	296769	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	11.49	152	153809	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	163526	46.14	ug/l	0.00
Spiked Amount			Recovery	=	92.28%	
35) Dibromofluoromethane	4.89	113	125252	46.78	ug/l	0.00
Spiked Amount			Recovery	=	93.56%	
50) Toluene-d8	7.57	98	461682	47.27	ug/l	0.00
Spiked Amount			Recovery	=	94.54%	
62) 4-Bromofluorobenzene	10.31	95	169801	43.79	ug/l	0.00
Spiked Amount			Recovery	=	87.58%	

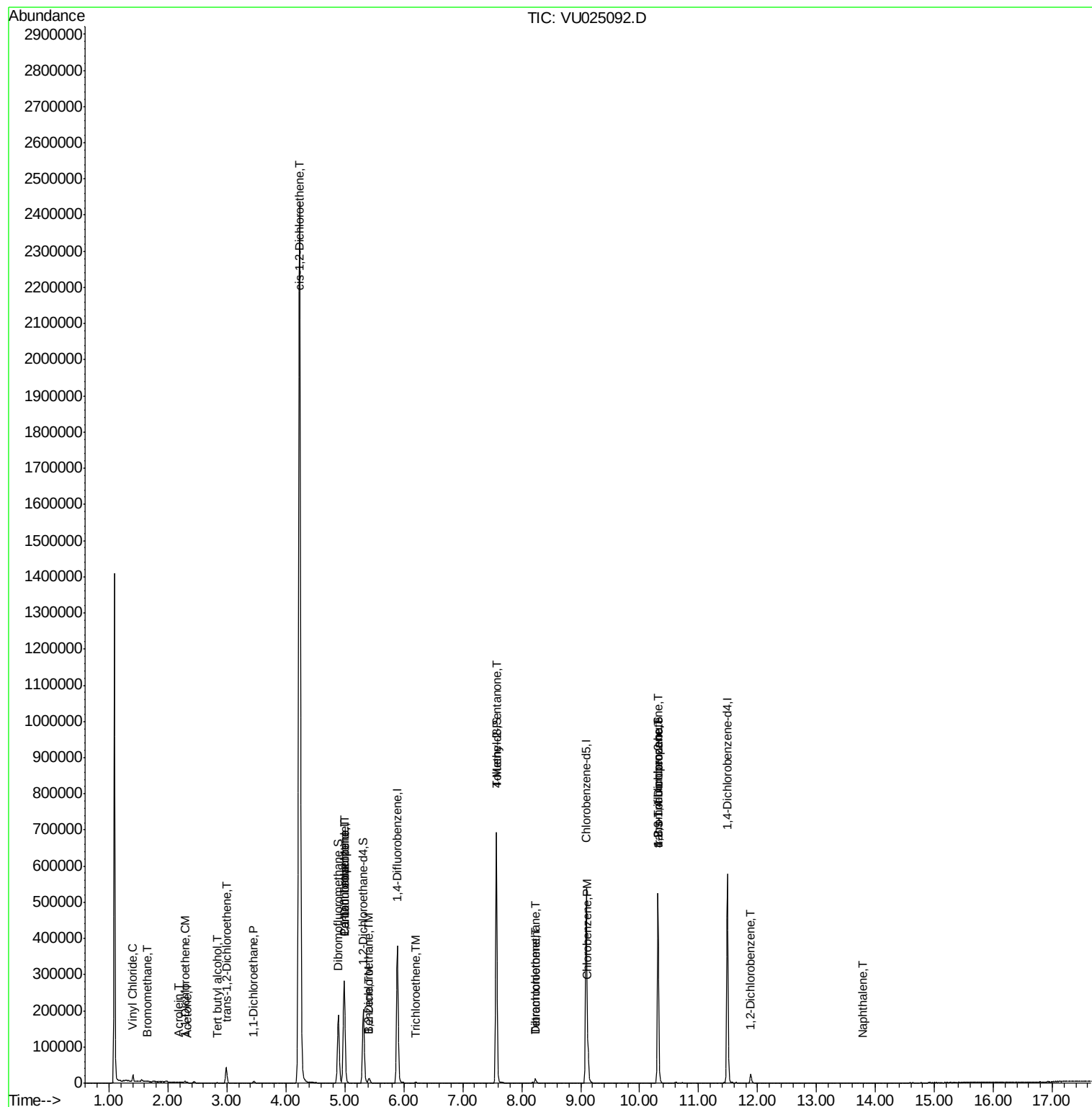
Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
4) Vinyl Chloride	1.40	62	11310	3.950	ug/l	98
5) Bromomethane	1.63	94	415	0.300	ug/l	90
6) Chloroethane	1.71	64	210	Below Cal	#	43
11) Tert butyl alcohol	2.83	59	969	1.124	ug/l #	72
12) 1,1-Dichloroethene	2.28	96	1370	0.554	ug/l #	95
13) Acrolein	2.19	56	129	0.285	ug/l #	1
16) Acetone	2.32	43	1425	0.748	ug/l	99
21) trans-1,2-Dichloroethene	2.99	96	17146	6.298	ug/l	92
24) 1,1-Dichloroethane	3.45	63	4832	0.923	ug/l #	94
27) cis-1,2-Dichloroethene	4.23	96	1361325	434.911	ug/l	89
31) Cyclohexane	4.99	56	4519	Below Cal	#	1
36) 1,1-Dichloropropene	4.99	75	16164	4.264	ug/l #	50
38) Carbon Tetrachloride	4.99	117	20743	4.976	ug/l #	15
40) Benzene	5.40	78	2524	0.234	ug/l #	90
42) 1,2-Dichloroethane	5.41	62	10638	2.586	ug/l	100
44) Trichloroethene	6.20	130	938	0.305	ug/l	100
51) 4-Methyl-2-Pentanone	7.57	43	1943	0.433	ug/l #	1
60) Dibromochloromethane	8.23	129	2637	0.749	ug/l #	11
64) Tetrachloroethene	8.24	164	2638	0.935	ug/l	96
65) Chlorobenzene	9.12	112	47534	6.270	ug/l	95
76) 1,2,3-Trichloropropane	10.31	75	89372	26.392	ug/l #	35
81) trans-1,4-Dichloro-2-buten	10.31	75	89372	61.082	ug/l #	100
91) 1,2-Dichlorobenzene	11.89	146	10219	1.847	ug/l	97
95) Naphthalene	13.79	128	297	0.705	ug/l #	69

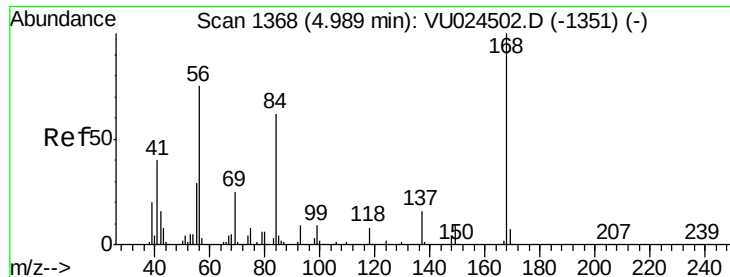
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Data Path : Z:\V0ASRV\HPCHEM1\MSVOA_U\DATA\VU063018\
Data File : VU025092.D
Acq On : 30 Jun 2018 16:47
Operator : MD/SY
Sample : J3759-03
Misc : 5.0mL/MSVOA_U/WATER
ALS Vial : 15 Sample Multiplier: 1

Instrument :
MSVOA_U
ClientSampleId :
WP021MW361-180625

Quant Time: Jul 02 05:38:53 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# 1368

Delta R.T. -0.00 min

Lab File: VU025092.D

Acq: 30 Jun 2018 16:47

Instrument :

MSVOA_U

ClientSampleId :

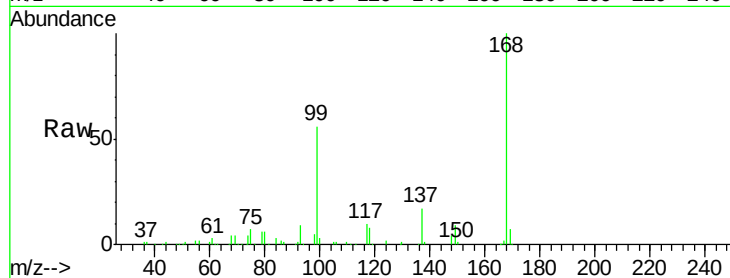
WP021MW361-180625

Tgt Ion:168 Resp: 217099

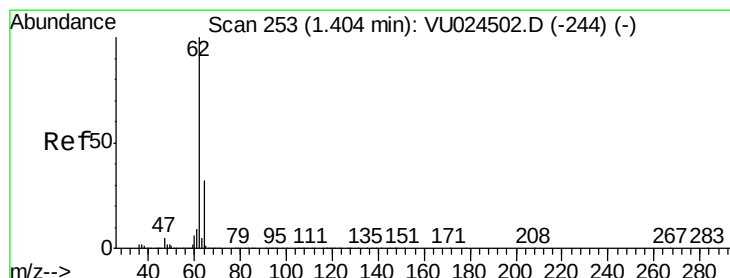
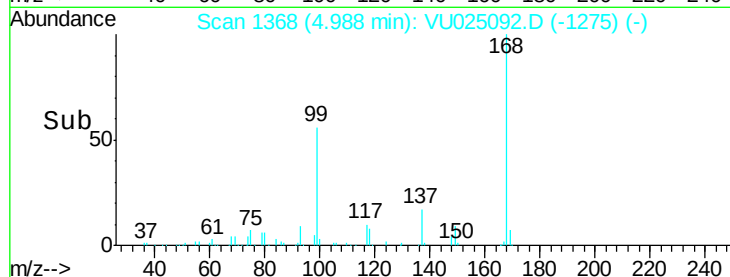
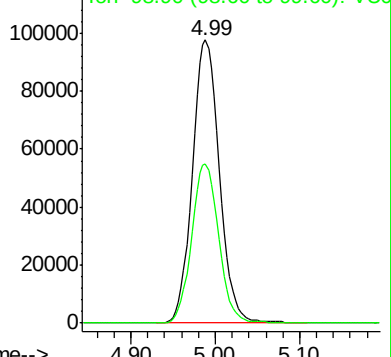
Ion Ratio Lower Upper

168 100

99 56.1 43.2 64.8



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



#4

Vinyl Chloride

Concen: 3.950 ug/l

RT: 1.40 min Scan# 253

Delta R.T. -0.00 min

Lab File: VU025092.D

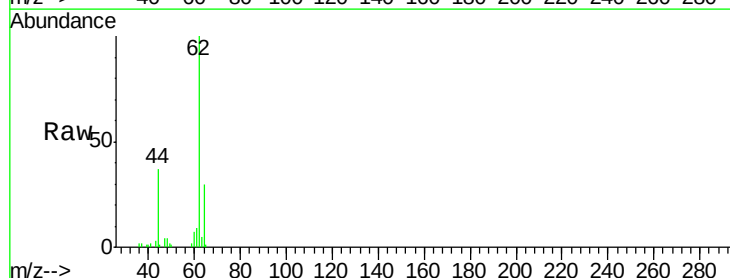
Acq: 30 Jun 2018 16:47

Tgt Ion: 62 Resp: 11310

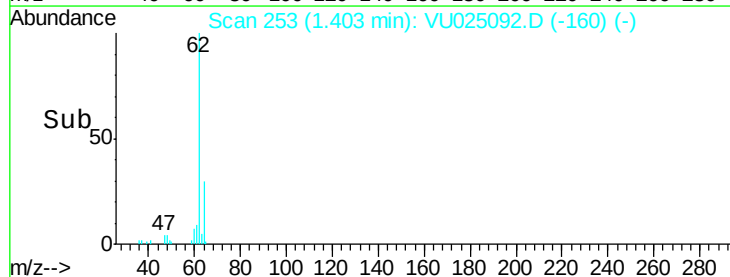
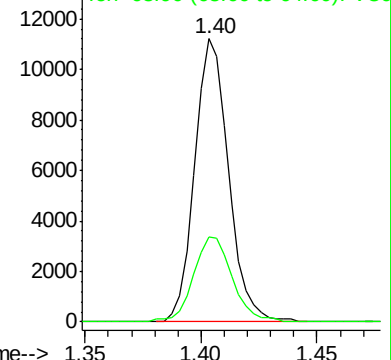
Ion Ratio Lower Upper

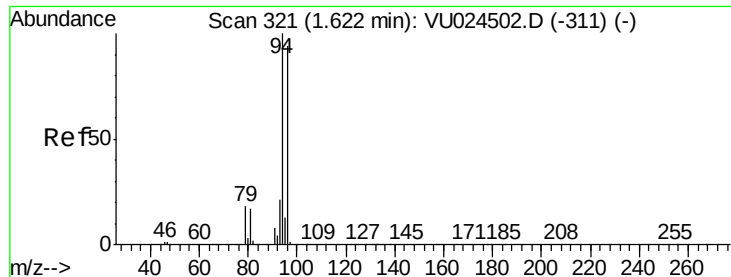
62 100

64 29.8 24.8 37.2



Abundance Ion 61.90 (61.60 to 62.60): VU024502.D (-244) (-)





#5

Bromomethane

Concen: 0.300 ug/l

RT: 1.63 min Scan# 325

Delta R.T. 0.01 min

Lab File: VU025092.D

Acq: 30 Jun 2018 16:47

Instrument :

MSVOA_U

ClientSampleId :

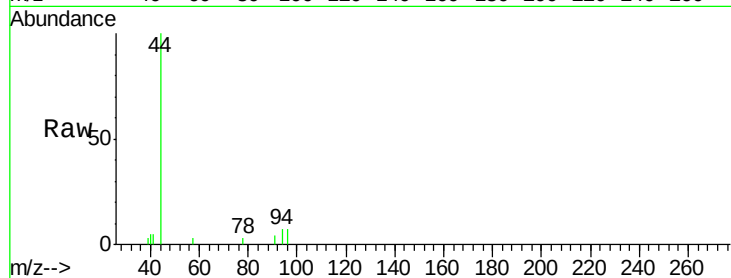
WP021MW361-180625

Tgt Ion: 94 Resp: 415

Ion Ratio Lower Upper

94 100

96 102.9 74.5 111.7



Abundance Ion 93.90 (93.60 to 94.60): VU0

Ion 95.90 (95.60 to 96.60): VU0

1.63

250

200

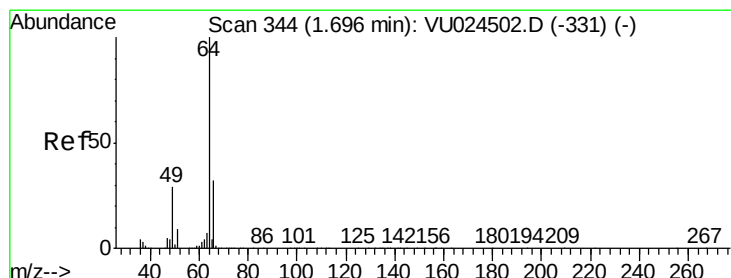
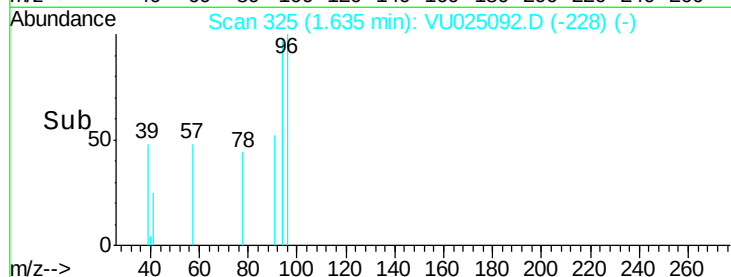
150

100

50

0

Time--> 1.60 1.62 1.64 1.66 1.68



#6

Chloroethane

Concen: Below Cal

RT: 1.71 min Scan# 347

Delta R.T. 0.01 min

Lab File: VU025092.D

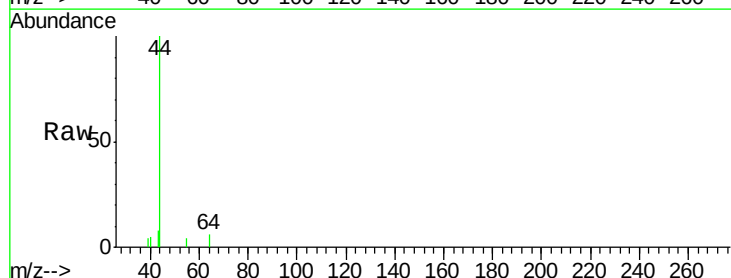
Acq: 30 Jun 2018 16:47

Tgt Ion: 64 Resp: 210

Ion Ratio Lower Upper

64 100

66 0.0 25.5 38.3#



Abundance Ion 63.90 (63.60 to 64.60): VU0

Ion 65.90 (65.60 to 66.60): VU0

1.71

200

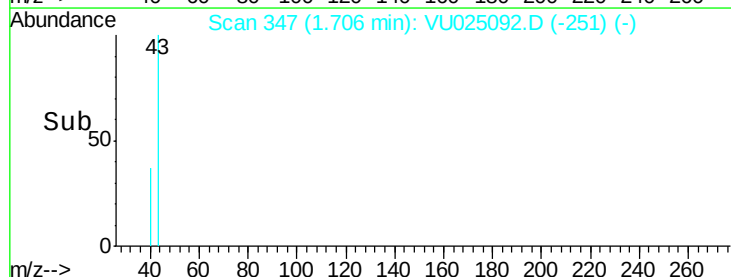
150

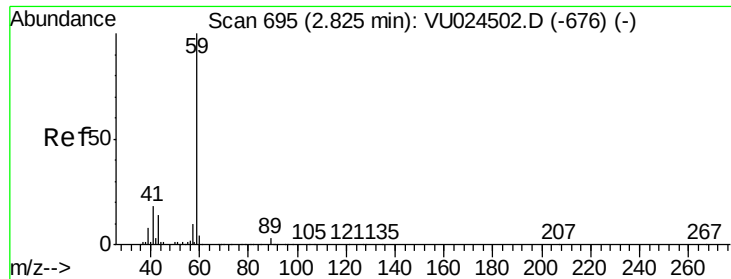
100

50

0

Time--> 1.68 1.70 1.72

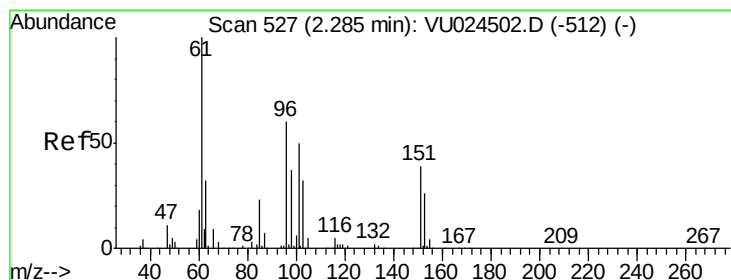
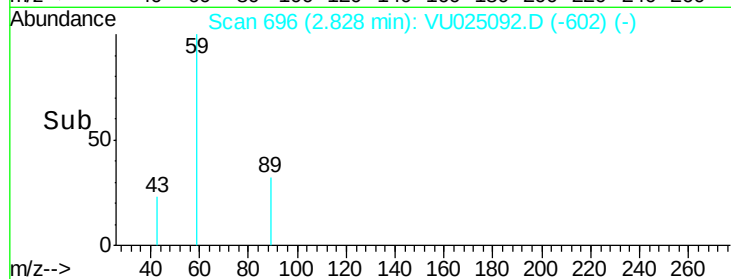
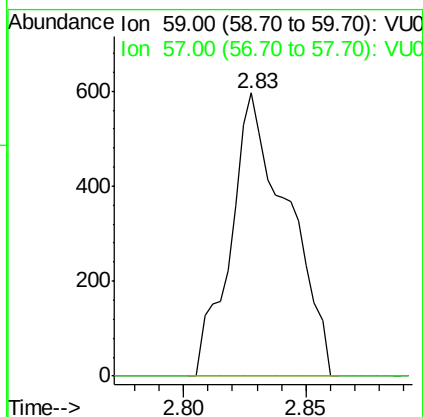
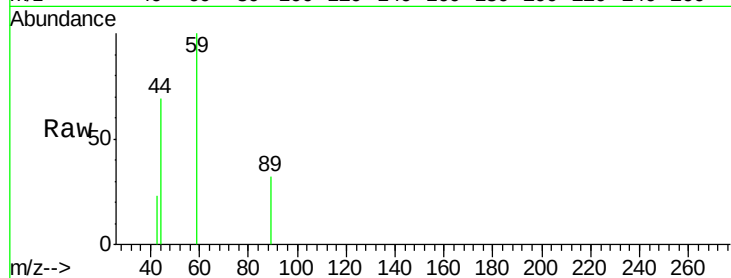




#11
Tert butyl alcohol
Concen: 1.124 ug/l
RT: 2.83 min Scan# 696
Delta R.T. 0.00 min
Lab File: VU025092.D
Acq: 30 Jun 2018 16:47

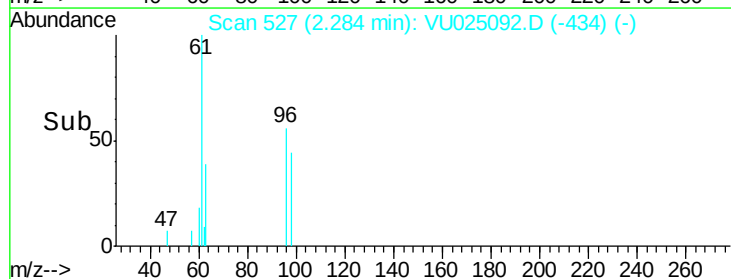
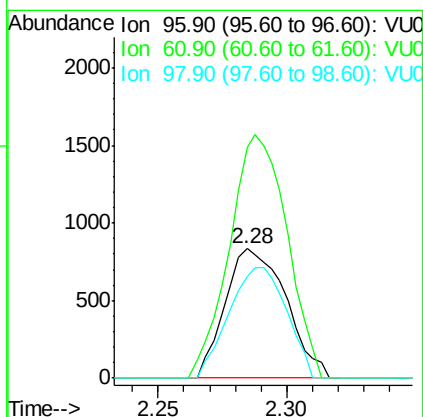
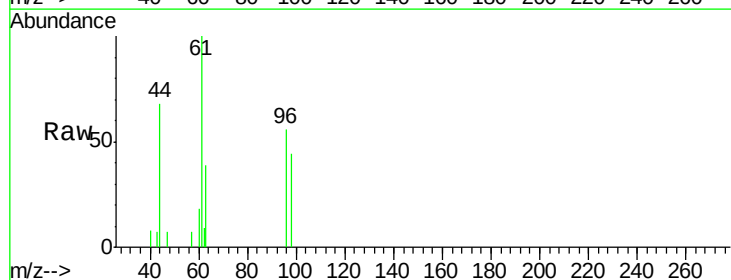
Instrument :
MSVOA_U
ClientSampleId :
WP021MW361-180625

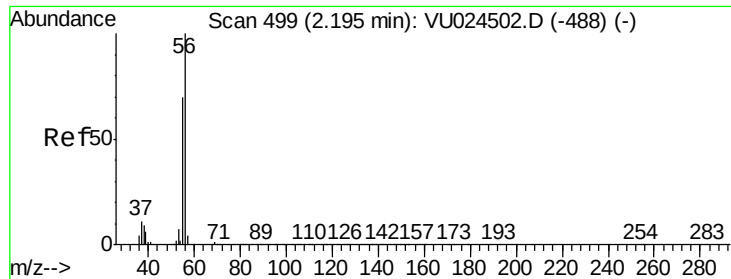
Tgt Ion: 59 Resp: 969
Ion Ratio Lower Upper
59 100
57 0.0 8.5 12.7#



#12
1,1-Dichloroethene
Concen: 0.554 ug/l
RT: 2.28 min Scan# 527
Delta R.T. -0.00 min
Lab File: VU025092.D
Acq: 30 Jun 2018 16:47

Tgt Ion: 96 Resp: 1370
Ion Ratio Lower Upper
96 100
61 177.8 141.7 212.5
98 78.0 51.6 77.4#

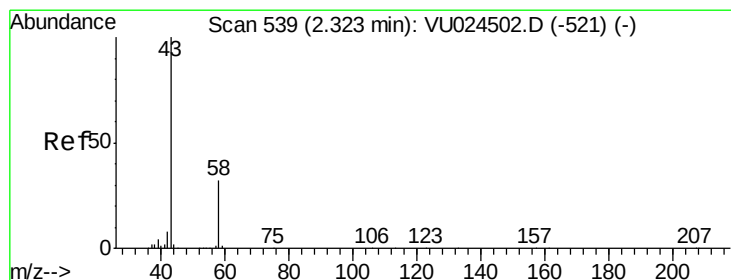
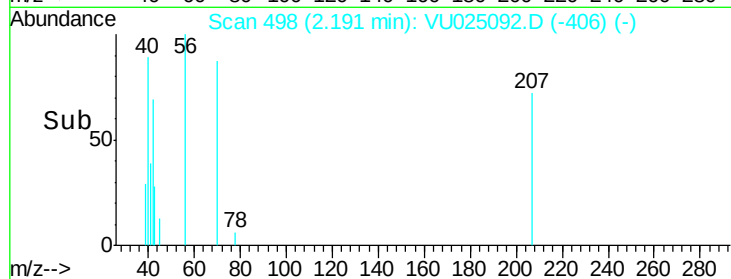
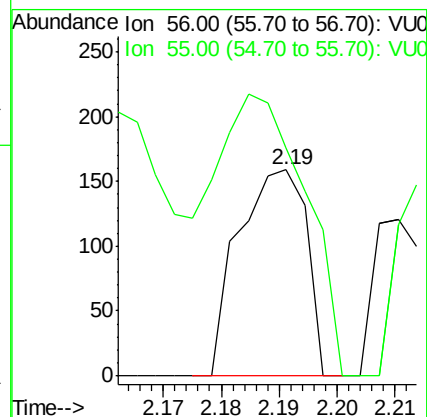
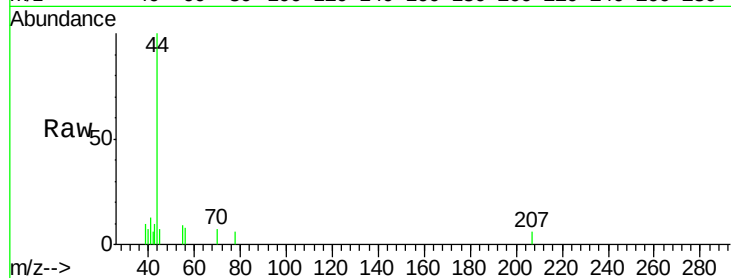




#13
Acrolein
Concen: 0.285 ug/l
RT: 2.19 min Scan# 498
Delta R.T. -0.00 min
Lab File: VU025092.D
Acq: 30 Jun 2018 16:47

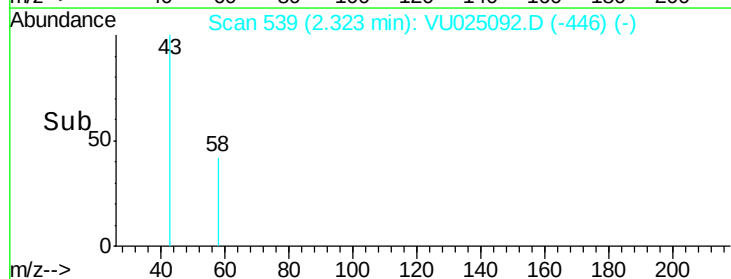
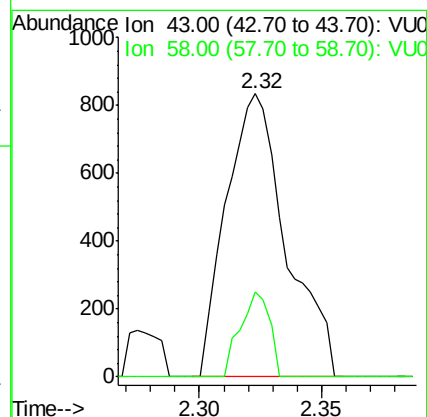
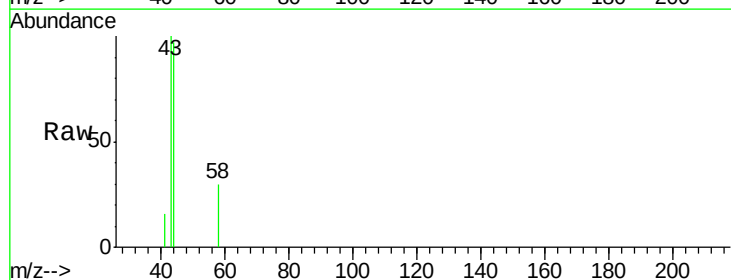
Instrument :
MSVOA_U
ClientSampleId :
WP021MW361-180625

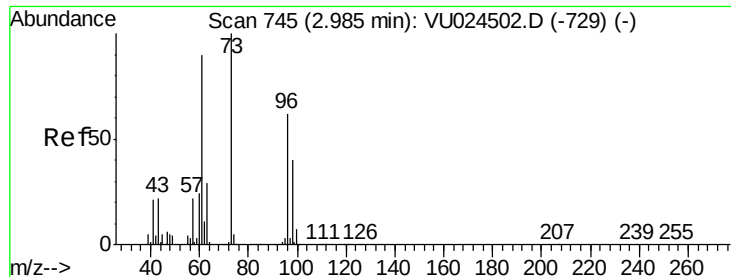
Tgt Ion: 56 Resp: 129
Ion Ratio Lower Upper
56 100
55 179.1 58.4 87.6#



#16
Acetone
Concen: 0.748 ug/l
RT: 2.32 min Scan# 539
Delta R.T. -0.00 min
Lab File: VU025092.D
Acq: 30 Jun 2018 16:47

Tgt Ion: 43 Resp: 1425
Ion Ratio Lower Upper
43 100
58 30.1 24.4 36.6





#21

trans-1,2-Dichloroethene

Concen: 6.298 ug/l

RT: 2.99 min Scan# 746

Delta R.T. 0.00 min

Lab File: VU025092.D

Acq: 30 Jun 2018 16:47

Instrument :

MSVOA_U

ClientSampleId :

WP021MW361-180625

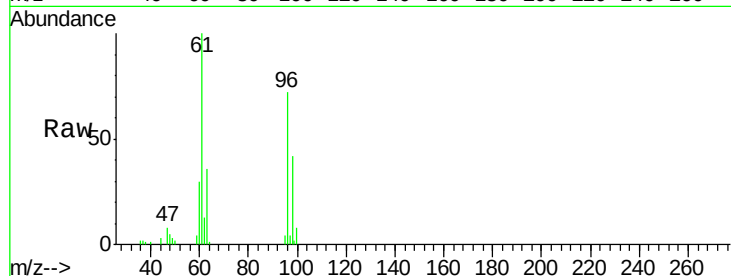
Tgt Ion: 96 Resp: 17146

Ion Ratio Lower Upper

96 100

61 139.0 119.4 179.0

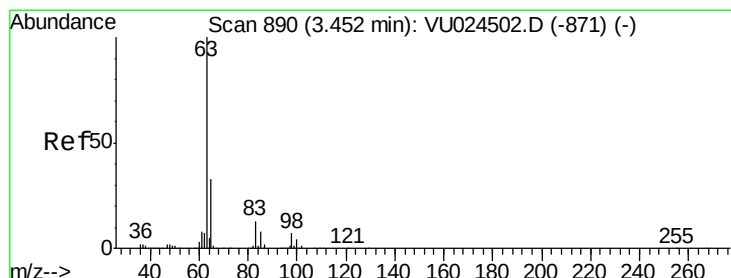
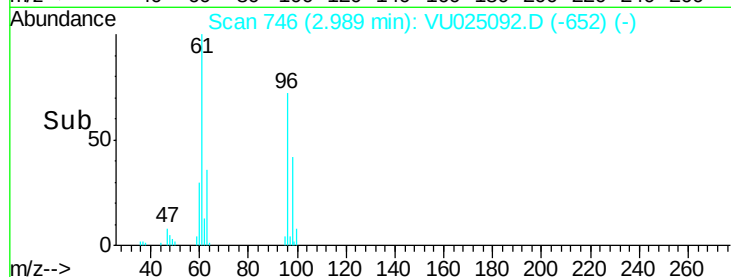
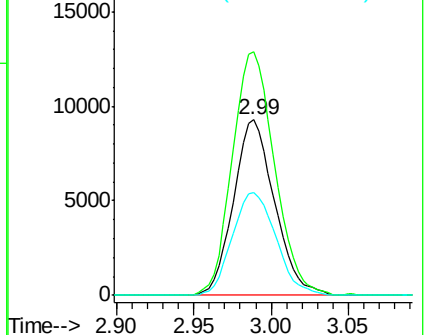
98 58.7 51.1 76.7



Abundance Ion 95.90 (95.60 to 96.60): VU0

Ion 60.90 (60.60 to 61.60): VU0

Ion 97.90 (97.60 to 98.60): VU0



#24

1,1-Dichloroethane

Concen: 0.923 ug/l

RT: 3.45 min Scan# 891

Delta R.T. 0.00 min

Lab File: VU025092.D

Acq: 30 Jun 2018 16:47

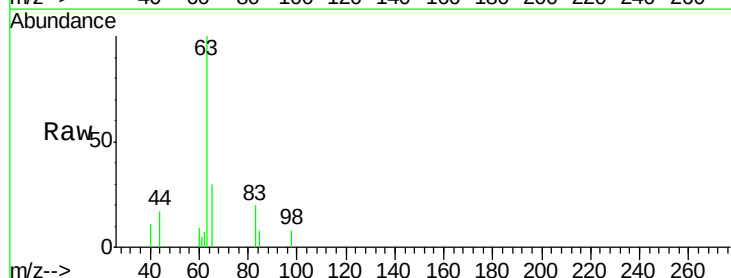
Tgt Ion: 63 Resp: 4832

Ion Ratio Lower Upper

63 100

98 7.8 3.5 10.4

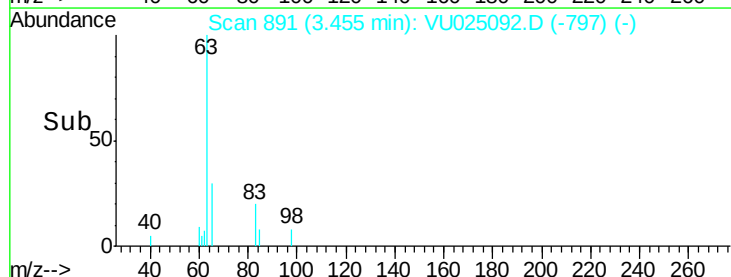
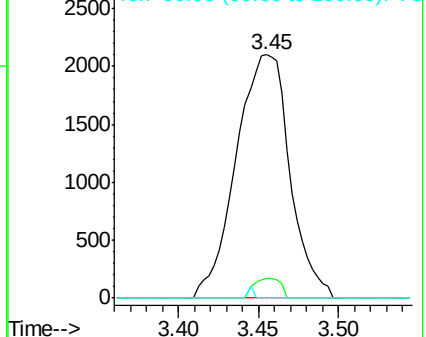
100 0.0 1.8 5.5#

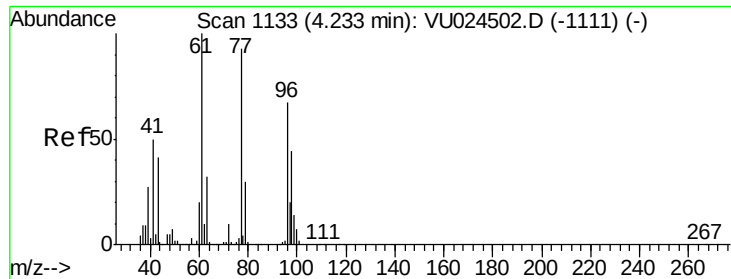


Abundance Ion 62.90 (62.60 to 63.60): VU0

Ion 97.90 (97.60 to 98.60): VU0

Ion 99.90 (99.60 to 100.60): VU0





#27

cis-1,2-Dichloroethene

Concen: 434.911 ug/l

RT: 4.23 min Scan# 1132

Delta R.T. -0.00 min

Lab File: VU025092.D

Acq: 30 Jun 2018 16:47

Instrument :

MSVOA_U

ClientSampleId :

WP021MW361-180625

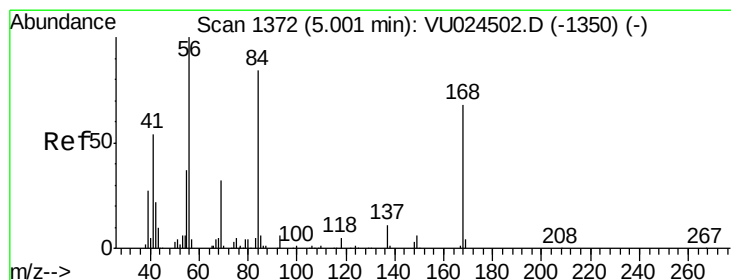
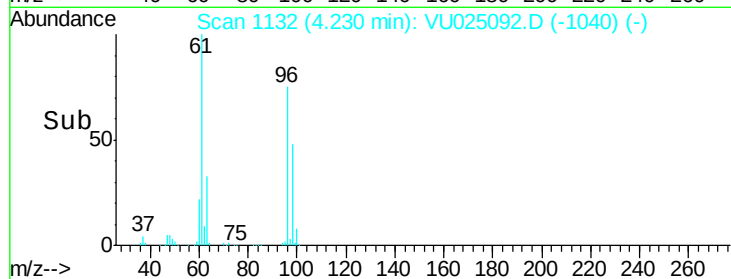
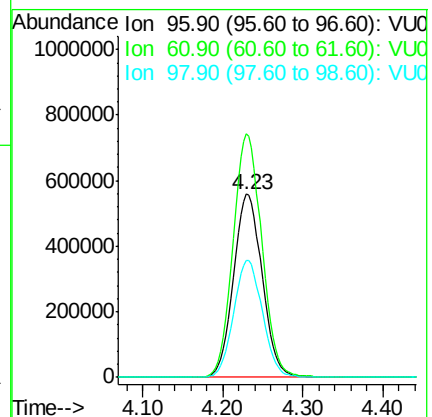
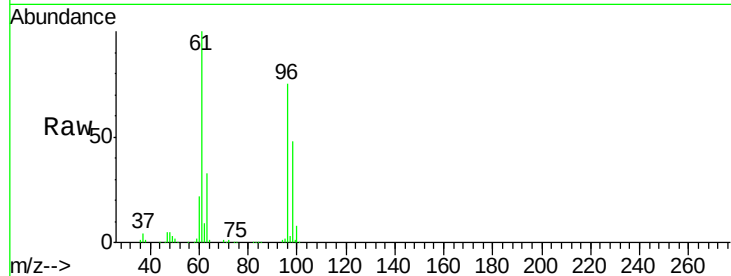
Tgt Ion: 96 Resp: 1361325

Ion Ratio Lower Upper

96 100

61 133.2 0.0 306.6

98 64.2 0.0 128.8



#31

Cyclohexane

Concen: Below Cal

RT: 4.99 min Scan# 1368

Delta R.T. -0.01 min

Lab File: VU025092.D

Acq: 30 Jun 2018 16:47

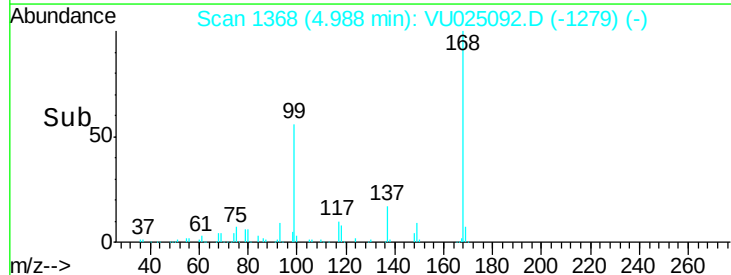
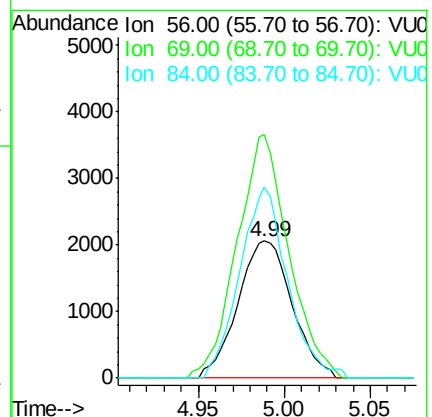
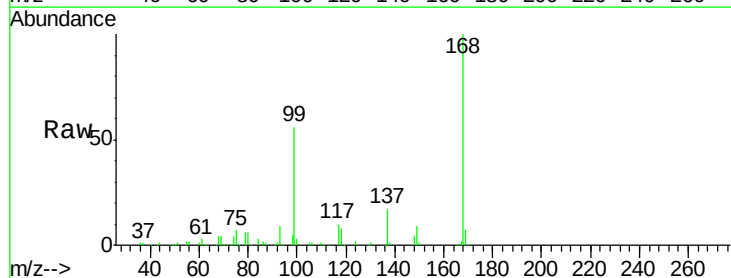
Tgt Ion: 56 Resp: 4519

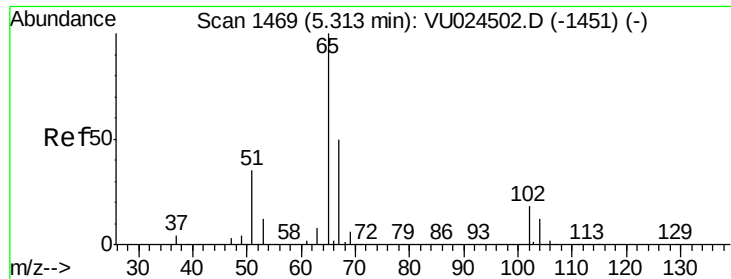
Ion Ratio Lower Upper

56 100

69 177.7 24.8 37.2#

84 139.2 65.2 97.8#

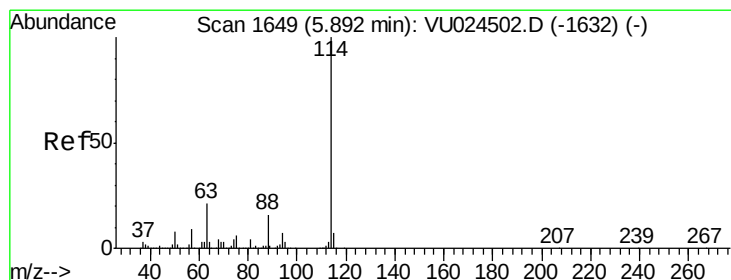
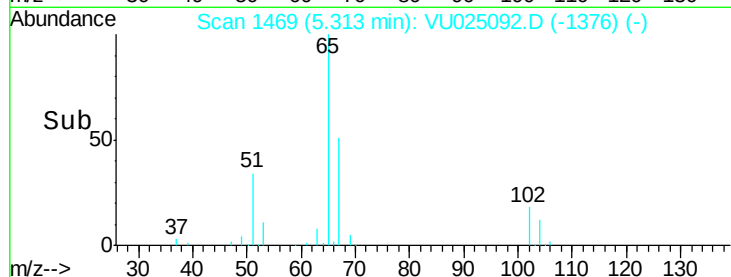
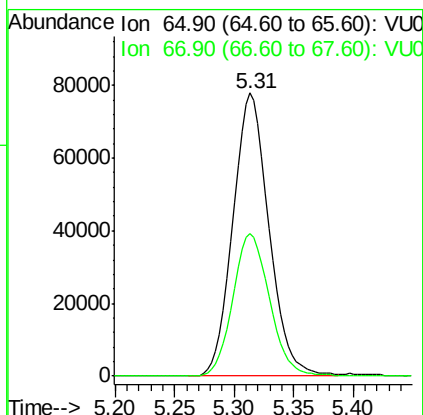
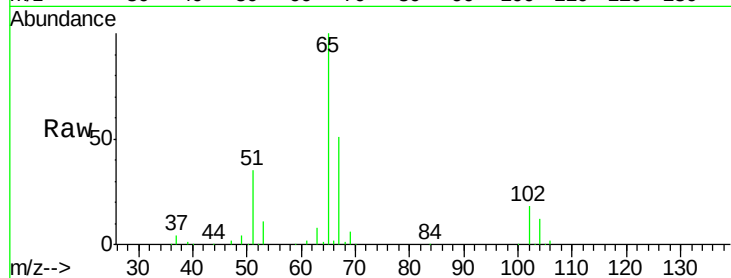




#33
 1,2-Dichloroethane-d4
 Concen: 46.139 ug/l
 RT: 5.31 min Scan# 1469
 Delta R.T. -0.00 min
 Lab File: VU025092.D
 Acq: 30 Jun 2018 16:47

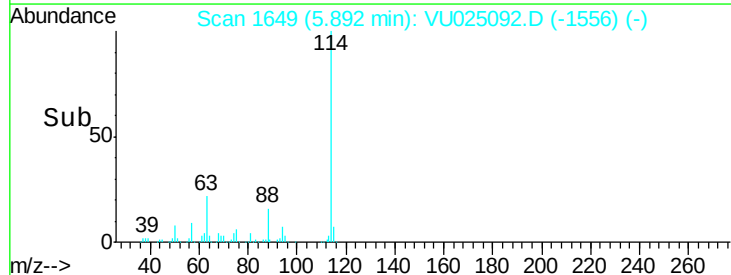
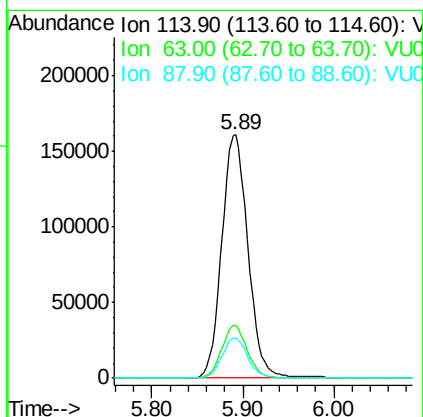
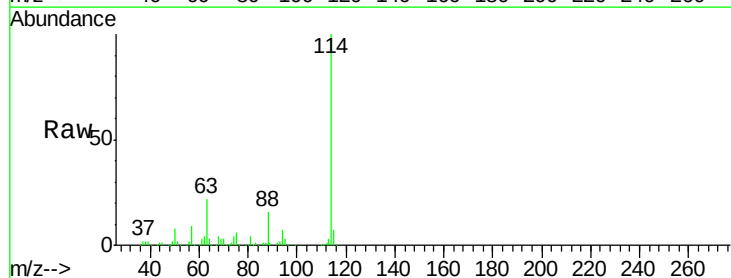
Instrument :
 MSVOA_U
 ClientSampleId :
 WP021MW361-180625

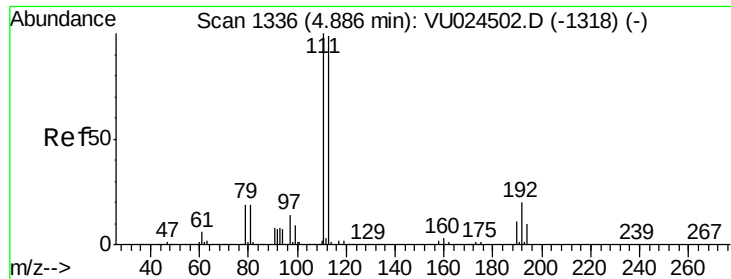
Tgt Ion: 65 Resp: 163526
 Ion Ratio Lower Upper
 65 100
 67 51.2 0.0 107.0



#34
 1,4-Difluorobenzene
 Concen: 50.000 ug/l
 RT: 5.89 min Scan# 1649
 Delta R.T. -0.00 min
 Lab File: VU025092.D
 Acq: 30 Jun 2018 16:47

Tgt Ion: 114 Resp: 322618
 Ion Ratio Lower Upper
 114 100
 63 21.8 0.0 45.4
 88 16.2 0.0 31.0

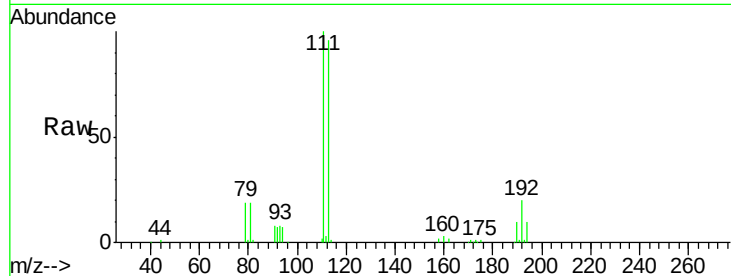




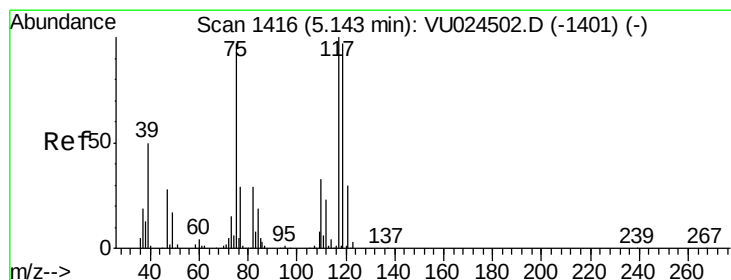
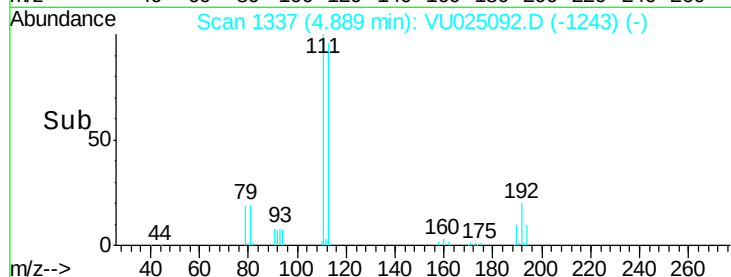
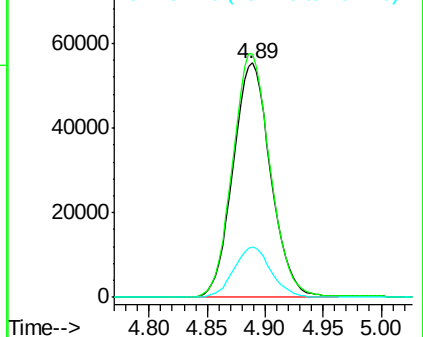
#35
 Dibromofluoromethane
 Concen: 46.780 ug/l
 RT: 4.89 min Scan# 1337
 Delta R.T. 0.00 min
 Lab File: VU025092.D
 Acq: 30 Jun 2018 16:47

Instrument :
 MSVOA_U
 ClientSampleId :
 WP021MW361-180625

Tgt Ion	Ratio	Lower	Upper
113	100		
111	103.7	82.2	123.4
192	21.0	16.2	24.4

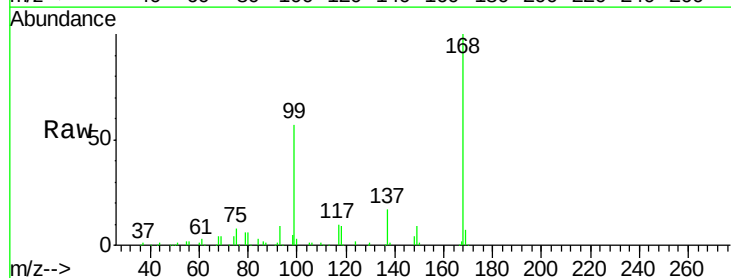


Abundance Ion 112.80 (112.50 to 113.50): V
 Ion 110.80 (110.50 to 111.50): V
 Ion 191.70 (191.40 to 192.40): V

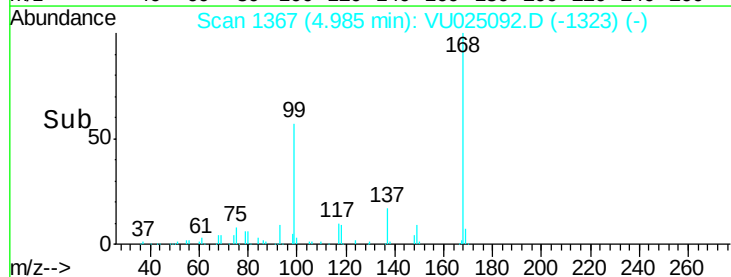
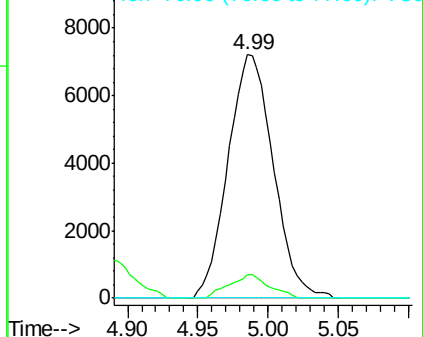


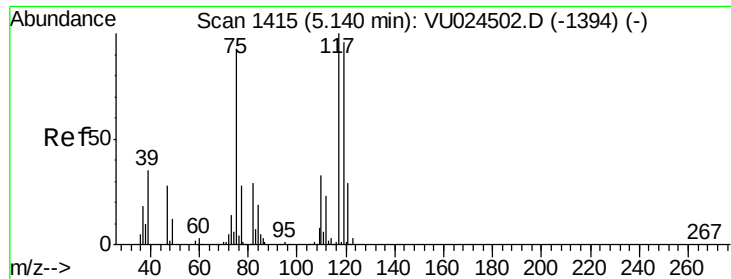
#36
 1,1-Dichloropropene
 Concen: 4.264 ug/l
 RT: 4.99 min Scan# 1367
 Delta R.T. -0.16 min
 Lab File: VU025092.D
 Acq: 30 Jun 2018 16:47

Tgt 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: 4.976 ug/l

RT: 4.99 min Scan# 1368

Delta R.T. -0.15 min

Lab File: VU025092.D

Acq: 30 Jun 2018 16:47

Instrument :

MSVOA_U

ClientSampleId :

WP021MW361-180625

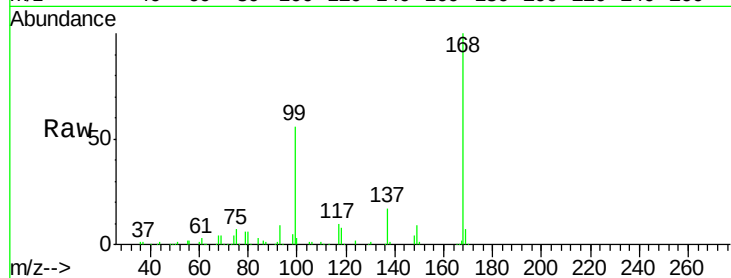
Tgt Ion:117 Resp: 20743

Ion Ratio Lower Upper

117 100

119 3.7 76.1 114.1#

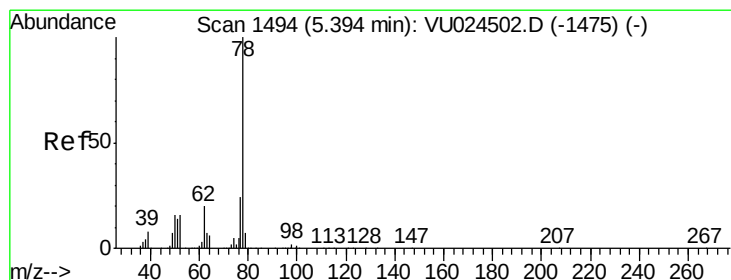
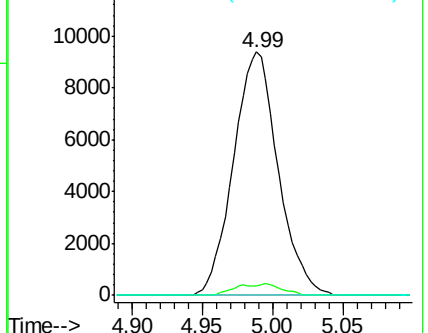
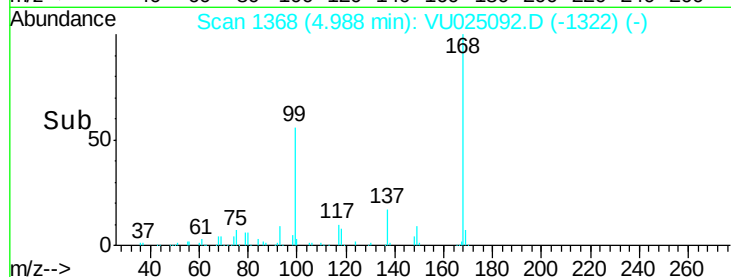
121 0.0 23.7 35.5#



Abundance Ion 116.80 (116.50 to 117.50): V

Ion 118.80 (118.50 to 119.50): V

Ion 120.80 (120.50 to 121.50): V



#40

Benzene

Concen: 0.234 ug/l

RT: 5.40 min Scan# 1495

Delta R.T. 0.00 min

Lab File: VU025092.D

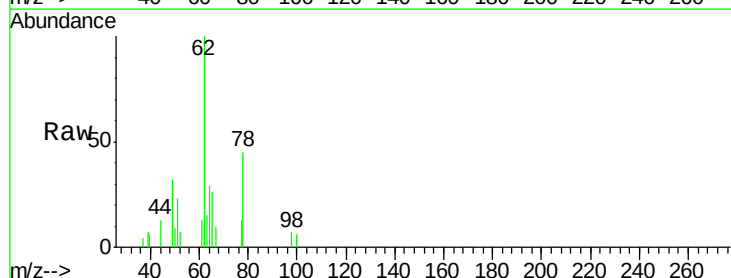
Acq: 30 Jun 2018 16:47

Tgt Ion: 78 Resp: 2524

Ion Ratio Lower Upper

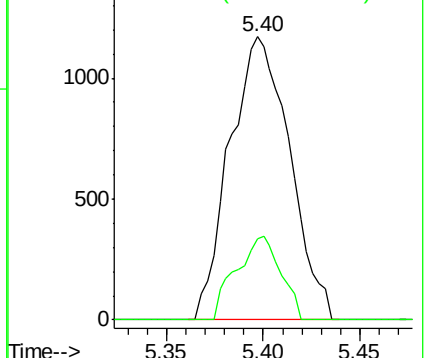
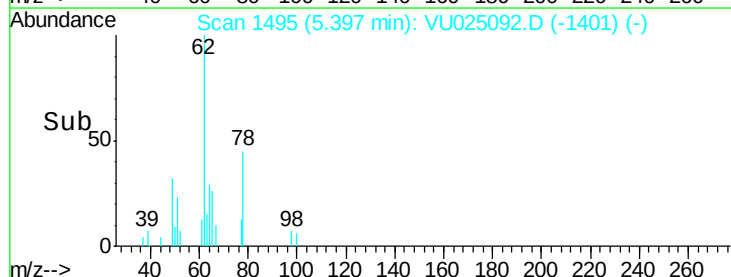
78 100

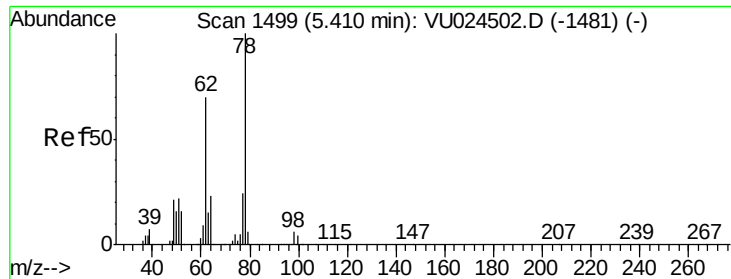
77 28.9 19.2 28.8#



Abundance Ion 78.00 (77.70 to 78.70): VU0

Ion 77.00 (76.70 to 77.70): VU0

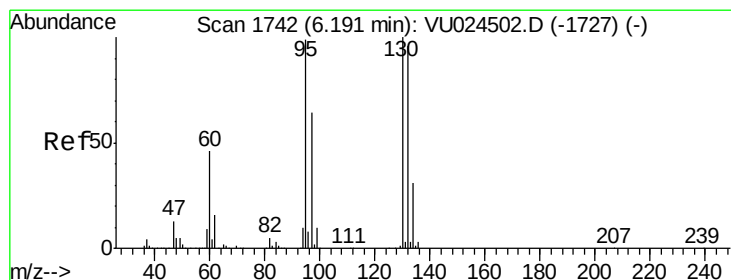
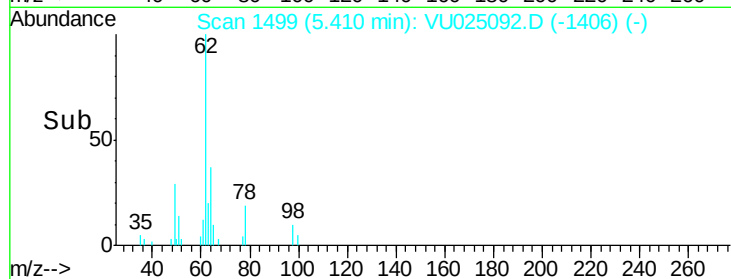
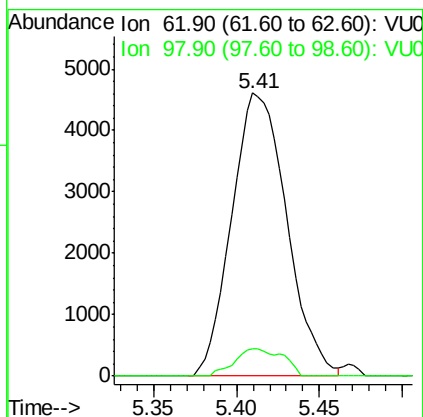
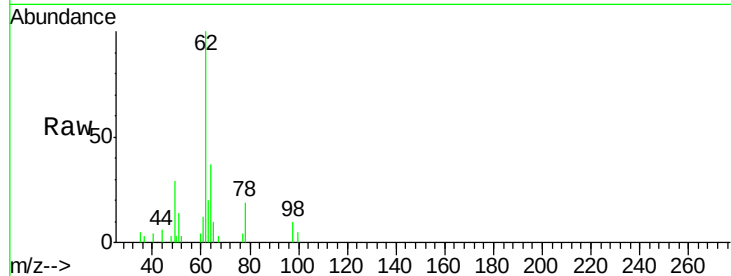




#42
1,2-Dichloroethane
Concen: 2.586 ug/l
RT: 5.41 min Scan# 1499
Delta R.T. -0.00 min
Lab File: VU025092.D
Acq: 30 Jun 2018 16:47

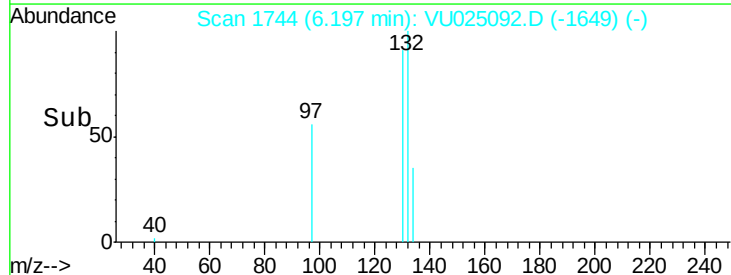
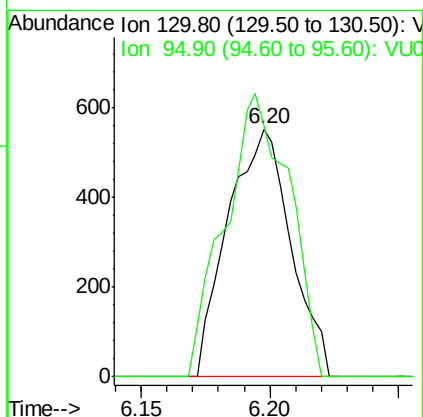
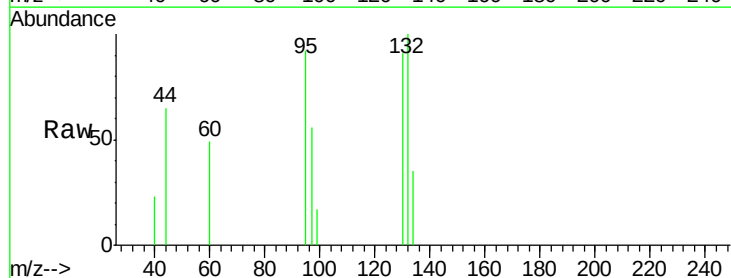
Instrument :
MSVOA_U
ClientSampleId :
WP021MW361-180625

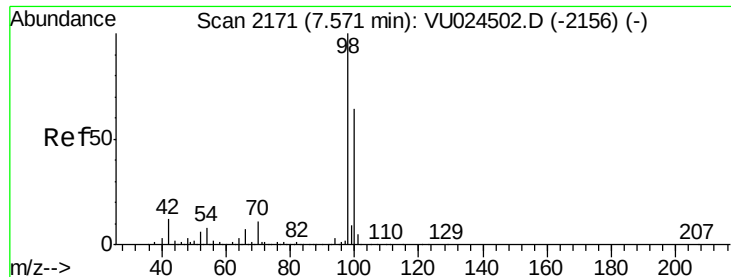
Tgt Ion: 62 Resp: 10638
Ion Ratio Lower Upper
62 100
98 8.4 0.0 16.6



#44
Trichloroethene
Concen: 0.305 ug/l
RT: 6.20 min Scan# 1744
Delta R.T. 0.01 min
Lab File: VU025092.D
Acq: 30 Jun 2018 16:47

Tgt Ion: 130 Resp: 938
Ion Ratio Lower Upper
130 100
95 101.6 0.0 202.4





#50

Toluene-d8

Concen: 47.273 ug/l

RT: 7.57 min Scan# 2171

Delta R.T. -0.00 min

Lab File: VU025092.D

Acq: 30 Jun 2018 16:47

Instrument :

MSVOA_U

ClientSampleId :

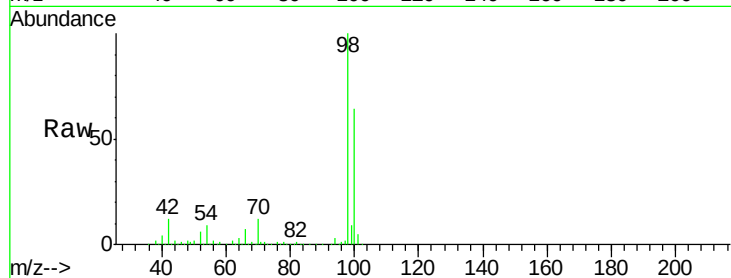
WP021MW361-180625

Tgt Ion: 98 Resp: 461682

Ion Ratio Lower Upper

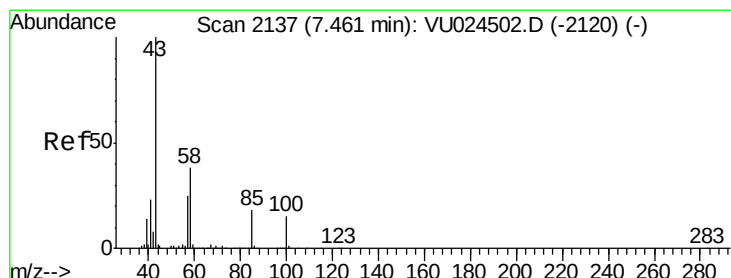
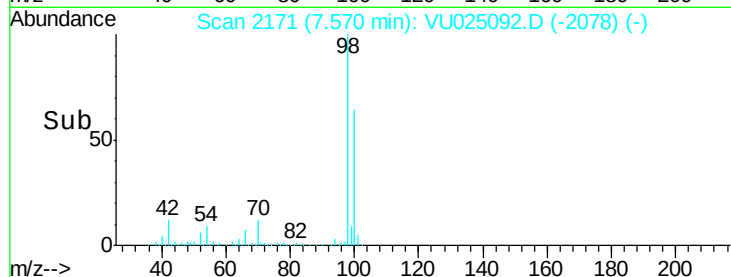
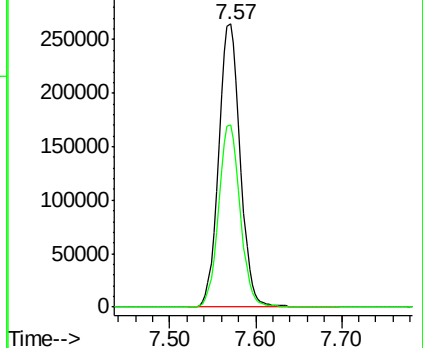
98 100

100 64.1 51.1 76.7



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

Ion 100.00 (99.70 to 100.70): VU024502.D (-2156) (-)



#51

4-Methyl-2-Pentanone

Concen: 0.433 ug/l

RT: 7.57 min Scan# 2170

Delta R.T. 0.11 min

Lab File: VU025092.D

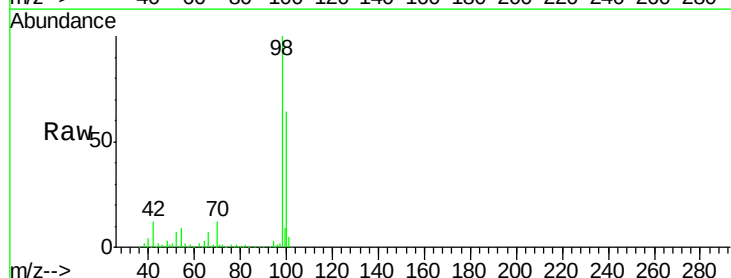
Acq: 30 Jun 2018 16:47

Tgt Ion: 43 Resp: 1943

Ion Ratio Lower Upper

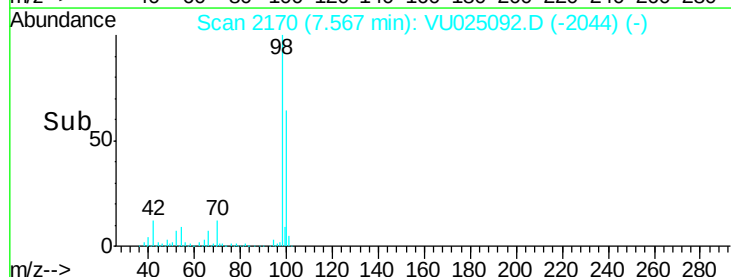
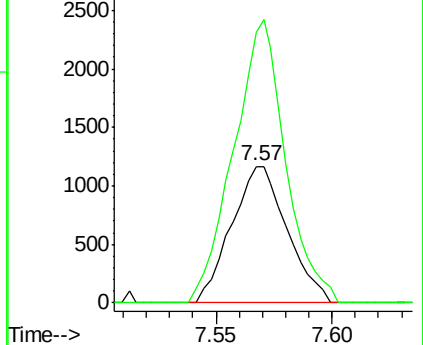
43 100

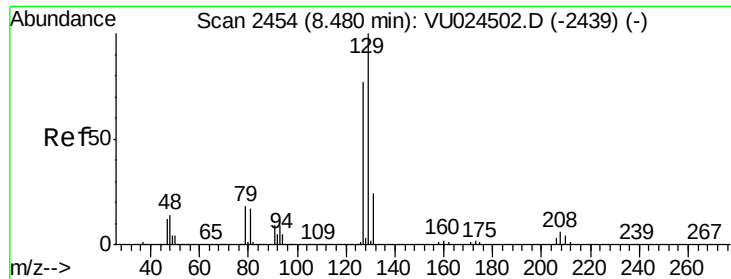
58 193.7 30.0 45.0#



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

Ion 58.00 (57.70 to 58.70): VU024502.D (-2120) (-)





#60

Dibromochloromethane

Concen: 0.749 ug/l

RT: 8.23 min Scan# 2376

Delta R.T. -0.25 min

Lab File: VU025092.D

Acq: 30 Jun 2018 16:47

Instrument :

MSVOA_U

ClientSampleId :

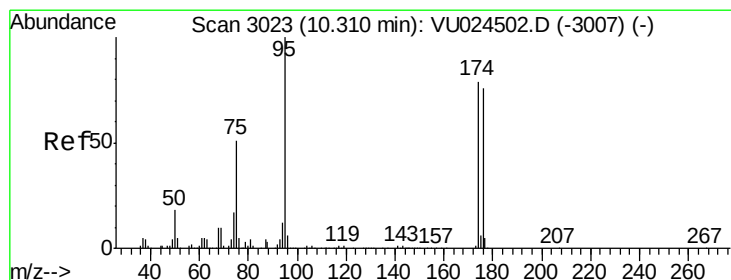
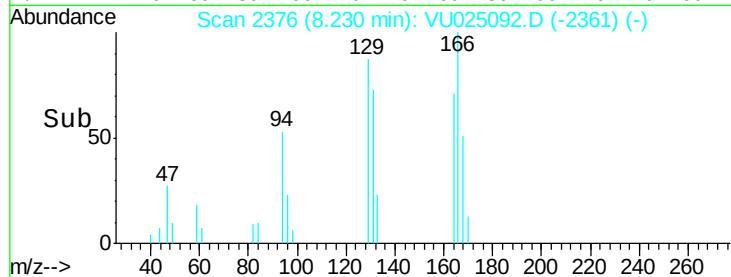
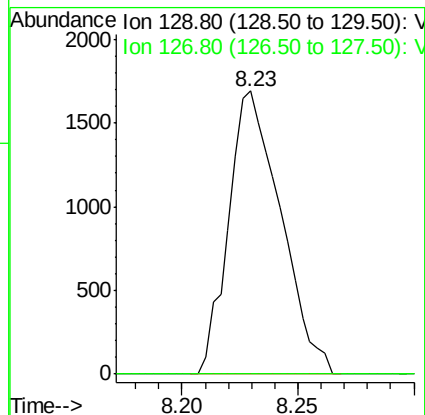
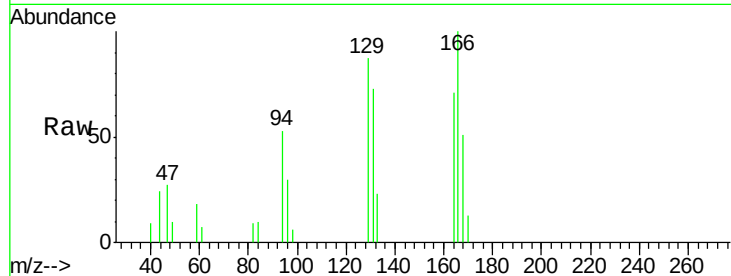
WP021MW361-180625

Tgt Ion:129 Resp: 2637

Ion Ratio Lower Upper

129 100

127 0.0 38.6 116.0#



#62

4-Bromofluorobenzene

Concen: 43.790 ug/l

RT: 10.31 min Scan# 3023

Delta R.T. -0.00 min

Lab File: VU025092.D

Acq: 30 Jun 2018 16:47

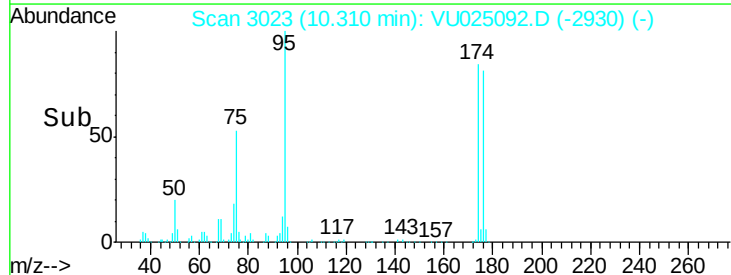
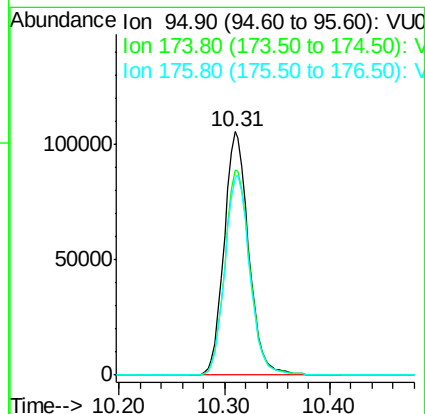
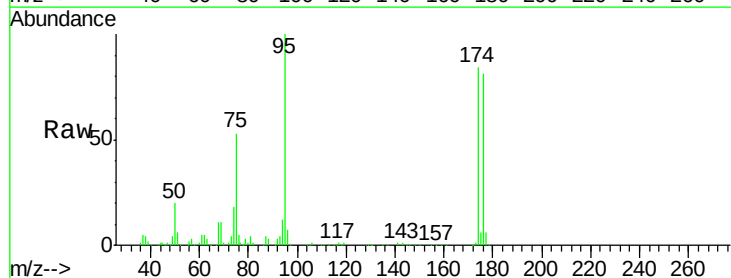
Tgt Ion: 95 Resp: 169801

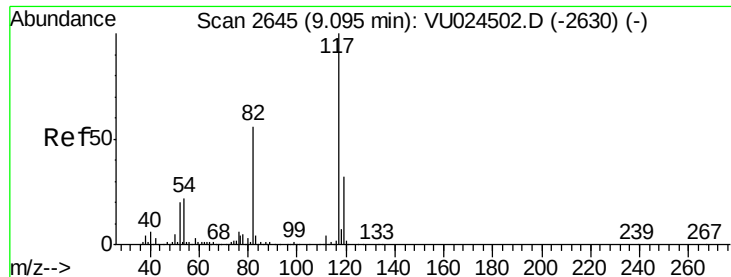
Ion Ratio Lower Upper

95 100

174 86.0 0.0 165.8

176 83.0 0.0 159.4

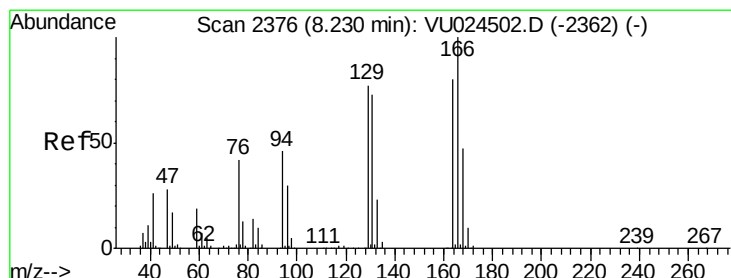
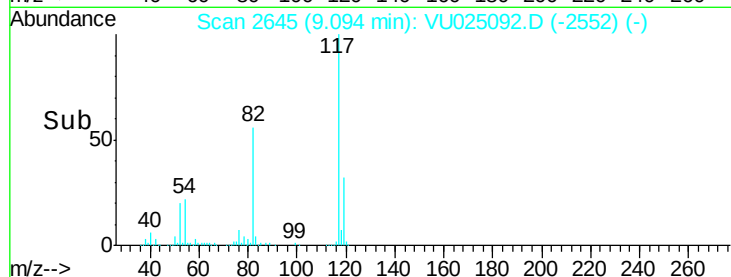
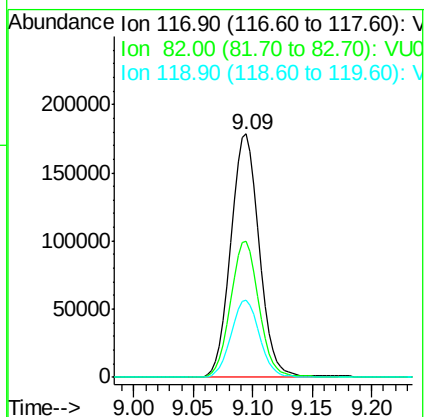
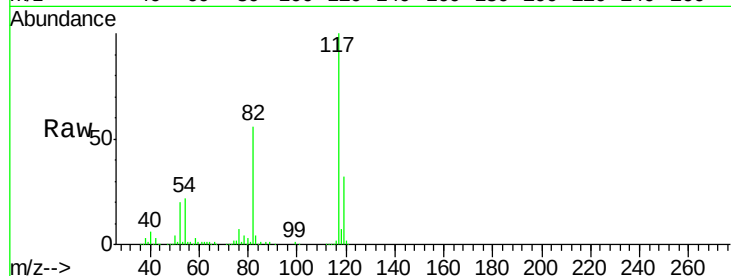




#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 9.09 min Scan# 2645
Delta R.T. -0.00 min
Lab File: VU025092.D
Acq: 30 Jun 2018 16:47

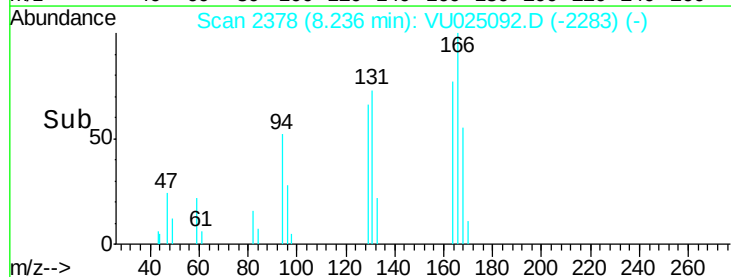
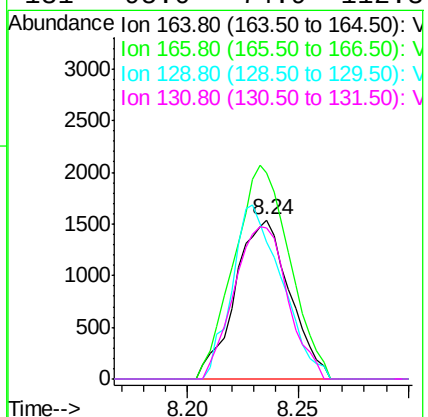
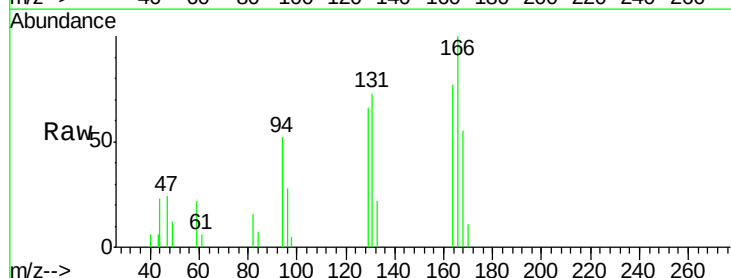
Instrument :
MSVOA_U
ClientSampleId :
WP021MW361-180625

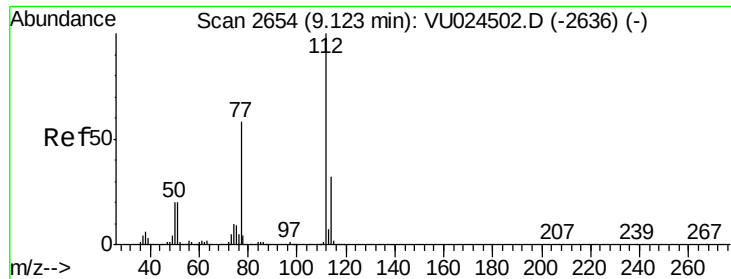
Tgt Ion:117 Resp: 296769
Ion Ratio Lower Upper
117 100
82 55.8 44.3 66.5
119 31.7 25.4 38.2



#64
Tetrachloroethene
Concen: 0.935 ug/l
RT: 8.24 min Scan# 2378
Delta R.T. 0.01 min
Lab File: VU025092.D
Acq: 30 Jun 2018 16:47

Tgt Ion:164 Resp: 2638
Ion Ratio Lower Upper
164 100
166 129.4 101.7 152.5
129 85.9 76.9 115.3
131 95.0 74.9 112.3

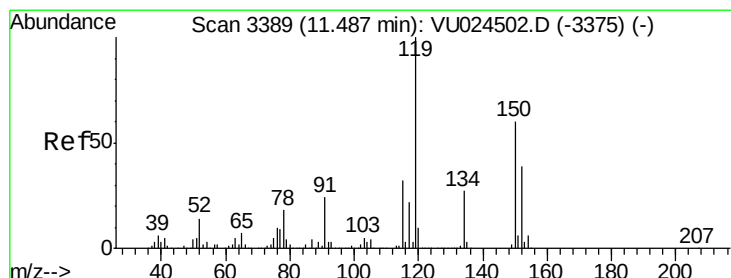
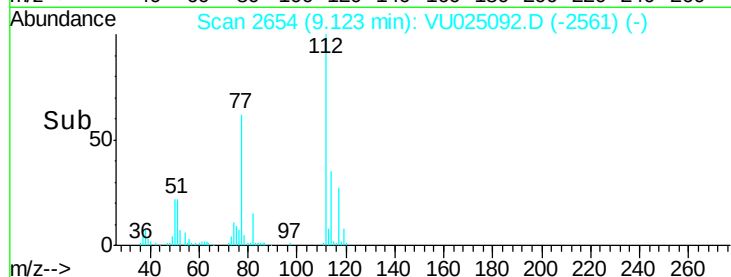
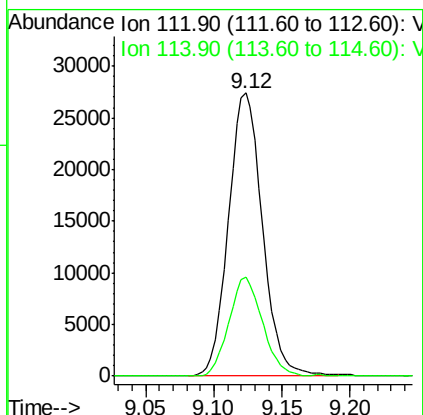
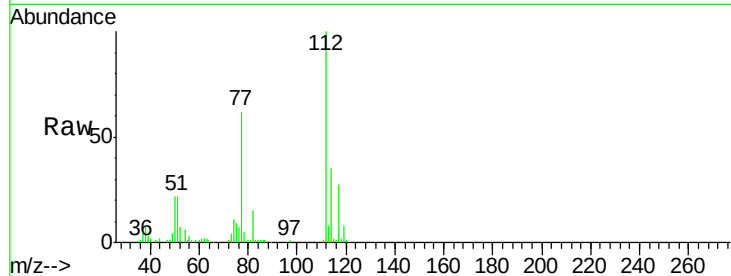




#65
Chlorobenzene
Concen: 6.270 ug/l
RT: 9.12 min Scan# 2654
Delta R.T. -0.00 min
Lab File: VU025092.D
Acq: 30 Jun 2018 16:47

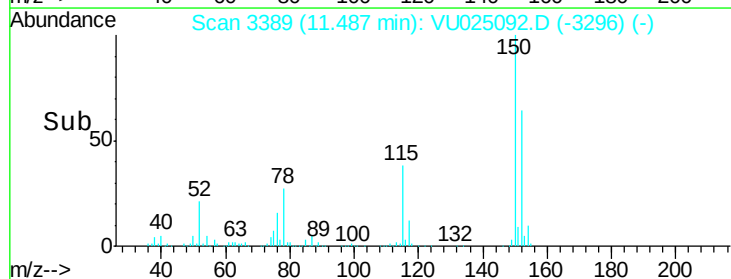
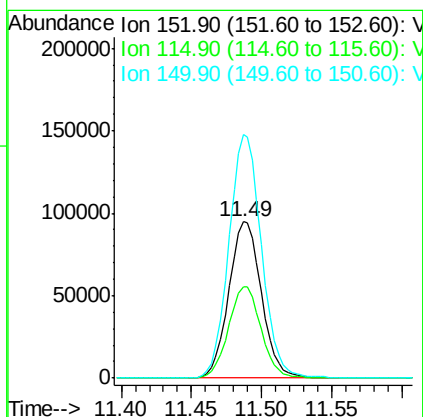
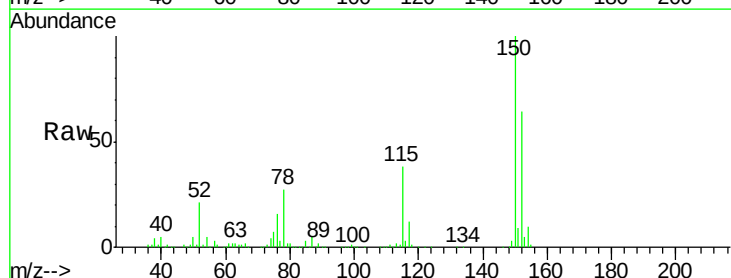
Instrument :
MSVOA_U
ClientSampleId :
WP021MW361-180625

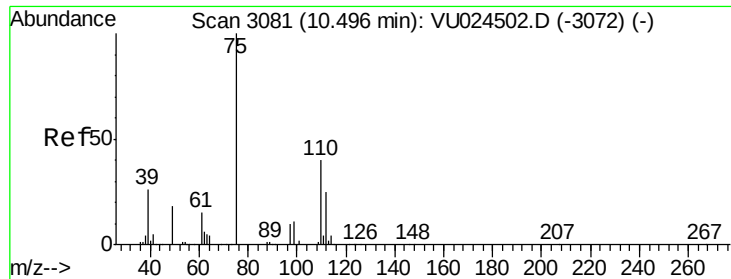
Tgt Ion:112 Resp: 47534
Ion Ratio Lower Upper
112 100
114 34.9 25.6 38.4



#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 11.49 min Scan# 3389
Delta R.T. -0.00 min
Lab File: VU025092.D
Acq: 30 Jun 2018 16:47

Tgt Ion:152 Resp: 153809
Ion Ratio Lower Upper
152 100
115 58.5 43.0 129.0
150 155.4 0.0 354.0

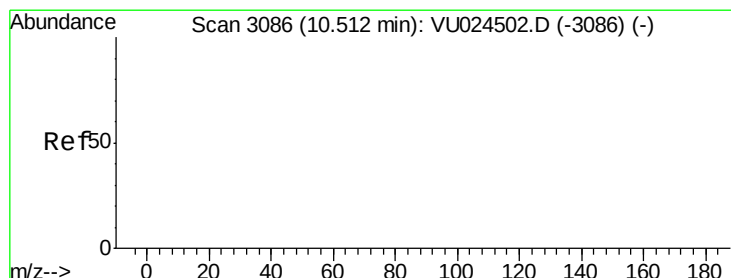
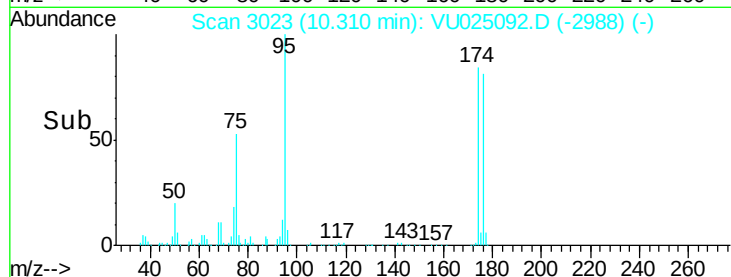
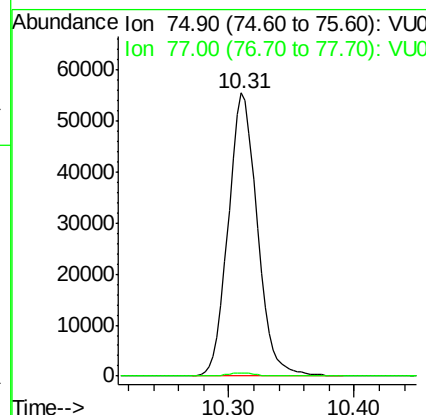
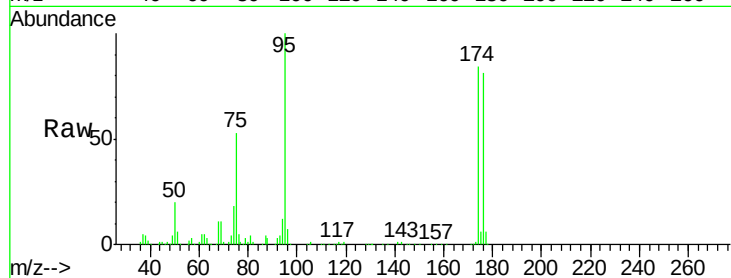




#76
 1,2,3-Trichloropropane
 Concen: 26.392 ug/l
 RT: 10.31 min Scan# 3023
 Delta R.T. -0.19 min
 Lab File: VU025092.D
 Acq: 30 Jun 2018 16:47

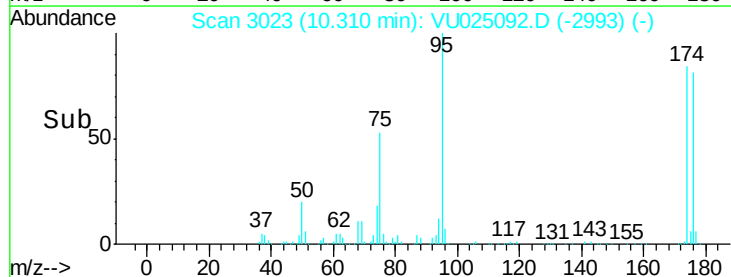
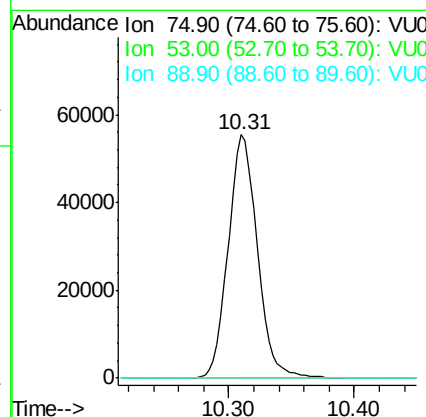
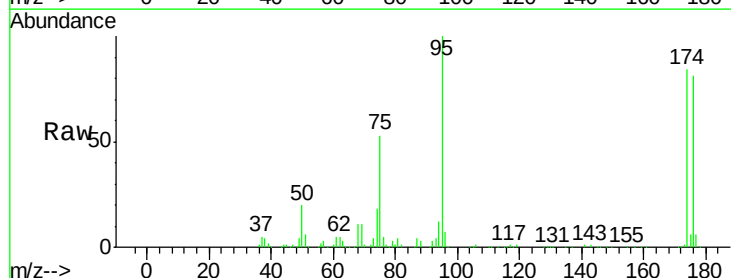
Instrument :
 MSVOA_U
 ClientSampleId :
 WP021MW361-180625

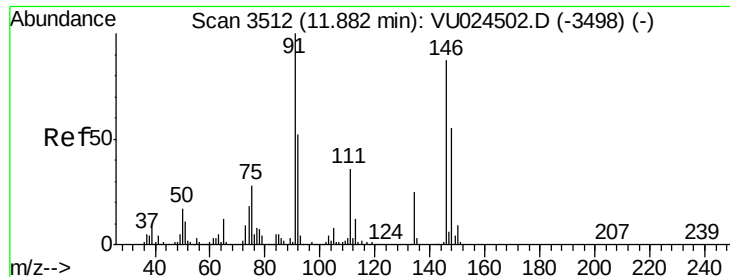
Tgt Ion: 75 Resp: 89372
 Ion Ratio Lower Upper
 75 100
 77 1.0 20.9 62.7#



#81
 trans-1,4-Dichloro-2-butene
 Concen: 61.082 ug/l
 RT: 10.31 min Scan# 3023
 Delta R.T. -0.20 min
 Lab File: VU025092.D
 Acq: 30 Jun 2018 16:47

Tgt Ion: 75 Resp: 89372
 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: 1.847 ug/l

RT: 11.89 min Scan# 3513

Delta R.T. 0.00 min

Lab File: VU025092.D

Acq: 30 Jun 2018 16:47

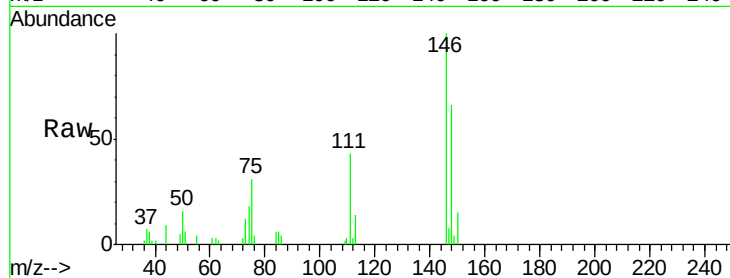
Instrument :

MSVOA_U

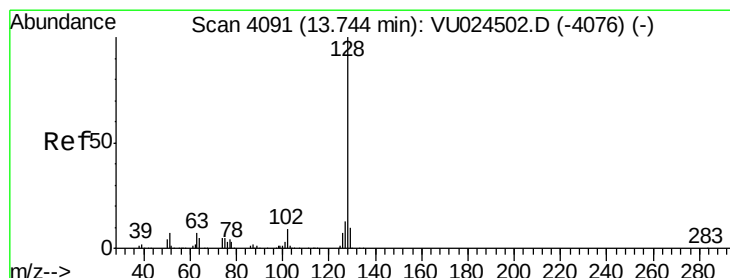
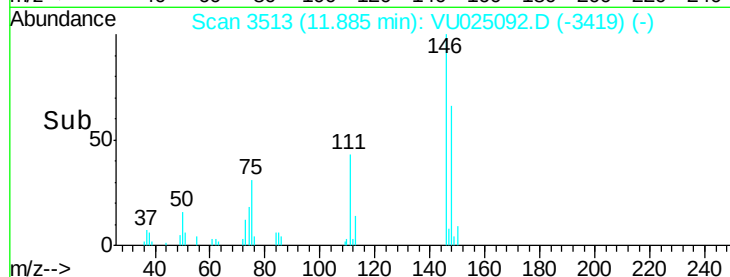
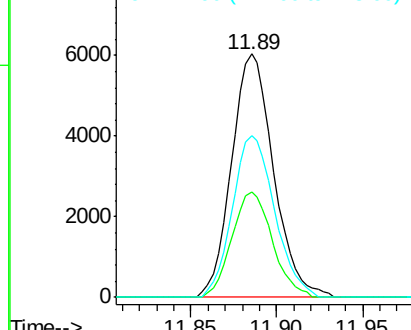
ClientSampleId :

WP021MW361-180625

Tgt Ion:	146	Resp:	10219
Ion	Ratio	Lower	Upper
146	100		
111	41.7	20.5	61.6
148	67.0	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: 0.705 ug/l

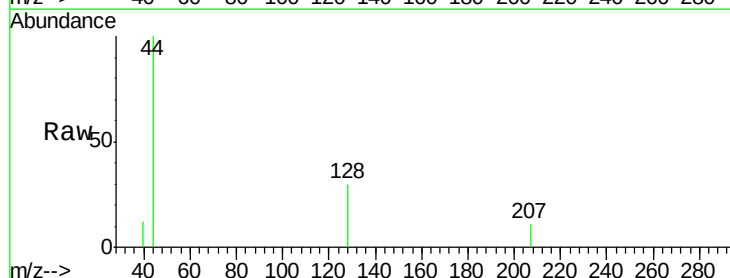
RT: 13.79 min Scan# 4104

Delta R.T. 0.04 min

Lab File: VU025092.D

Acq: 30 Jun 2018 16:47

Tgt Ion:	128	Resp:	297
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

