

Data Path : Z:\VOASRV\HPCHEM1\MSVOA U\DATA\U070218\
 Data File : VU025144.D
 Acq On : 02 Jul 2018 15:36
 Operator : MD/SY
 Sample : J3759-04RE
 Misc : 5.0mL/MSVOA U/WATER
 ALS Vial : 13 Sample Multiplier: 1

Instrument :
 MSVOA_U
 ClientSampleId :
 WP021MW360-180625RE

Quant Time: Jul 03 02:59:47 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	206458	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	5.89	114	305788	50.00	ug/l	0.00
63) Chlorobenzene-d5	9.09	117	285608	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	11.49	152	146322	50.00	ug/l	0.00

System Monitoring Compounds

33) 1,2-Dichloroethane-d4	5.31	65	156635	46.47	ug/l	0.00
Spiked Amount	50.000		Recovery	=	92.94%	
35) Dibromofluoromethane	4.89	113	121379	47.83	ug/l	0.00
Spiked Amount	50.000		Recovery	=	95.66%	
50) Toluene-d8	7.57	98	444402	48.01	ug/l	0.00
Spiked Amount	50.000		Recovery	=	96.02%	
62) 4-Bromofluorobenzene	10.31	95	161796	44.02	ug/l	0.00
Spiked Amount	50.000		Recovery	=	88.04%	

Target Compounds

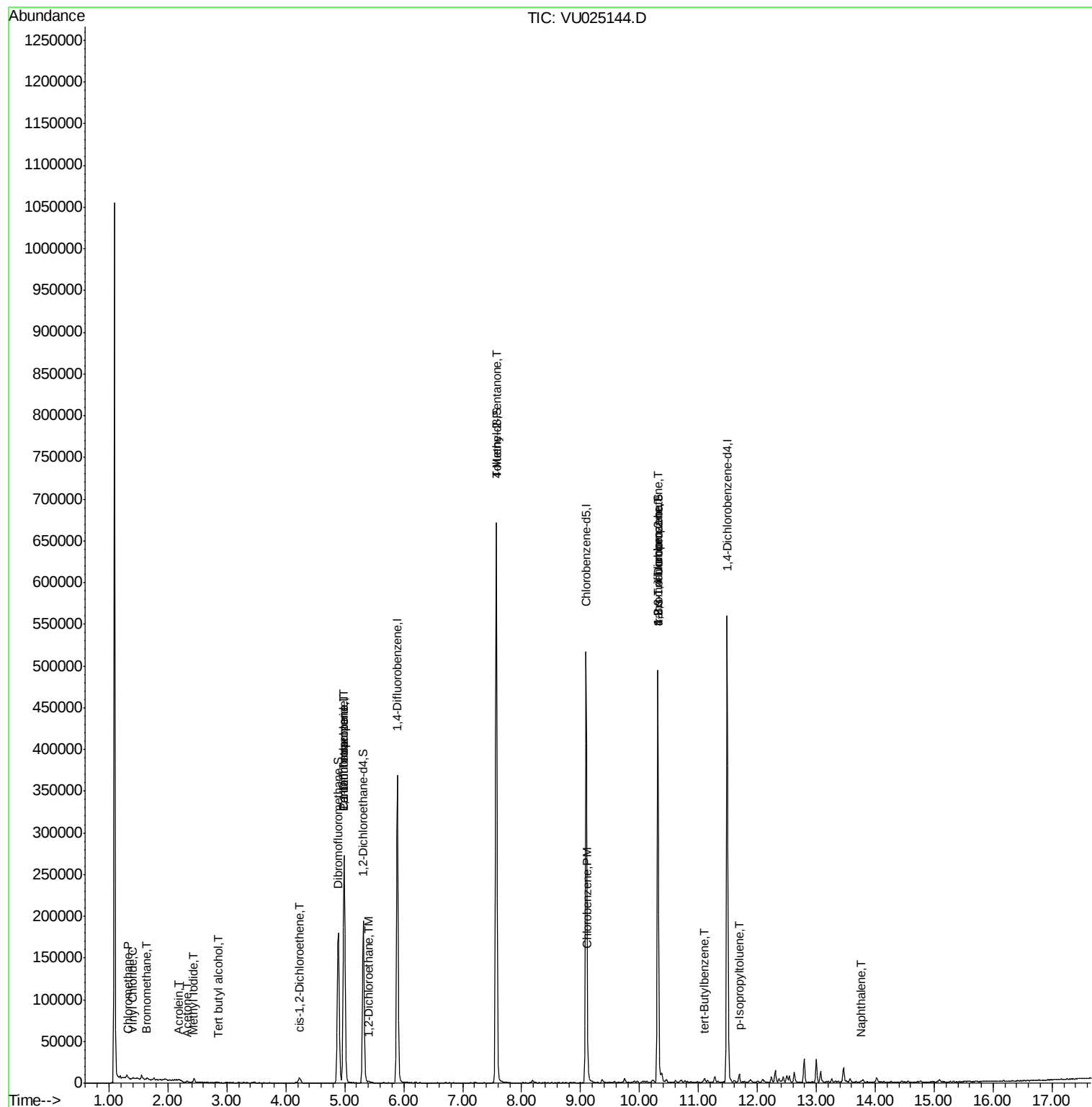
						Qvalue
3) Chloromethane	1.33	50	616	0.233	ug/l	95
4) Vinyl Chloride	1.41	62	735	0.270	ug/l	99
5) Bromomethane	1.64	94	494	0.375	ug/l #	65
6) Chloroethane	1.70	64	232	Below Cal	#	43
10) Methyl Iodide	2.42	142	41	5.305	ug/l #	40
11) Tert butyl alcohol	2.84	59	511	0.623	ug/l #	72
13) Acrolein	2.20	56	107	0.249	ug/l #	13
16) Acetone	2.32	43	1361	0.752	ug/l	100
27) cis-1,2-Dichloroethene	4.23	96	3511	1.179	ug/l	88
31) Cyclohexane	4.99	56	4218	Below Cal	#	9
36) 1,1-Dichloropropene	4.99	75	15533	4.323	ug/l #	51
38) Carbon Tetrachloride	4.99	117	19713	4.989	ug/l #	17
42) 1,2-Dichloroethane	5.41	62	780	0.200	ug/l #	77
51) 4-Methyl-2-Pentanone	7.57	43	1845	0.434	ug/l #	1
65) Chlorobenzene	9.12	112	8089	1.109	ug/l	96
76) 1,2,3-Trichloropropane	10.31	75	84875	26.347	ug/l #	35
81) trans-1,4-Dichloro-2-buten	10.31	75	84875	60.977	ug/l #	100
83) tert-Butylbenzene	11.10	119	2703	0.289	ug/l	80
86) p-Isopropyltoluene	11.69	119	5527	0.526	ug/l	93
95) Naphthalene	13.76	128	323	0.709	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# 1368

Delta R.T. -0.00 min

Lab File: VU025144.D

Acq: 02 Jul 2018 15:36

Instrument :

MSVOA_U

ClientSampleId :

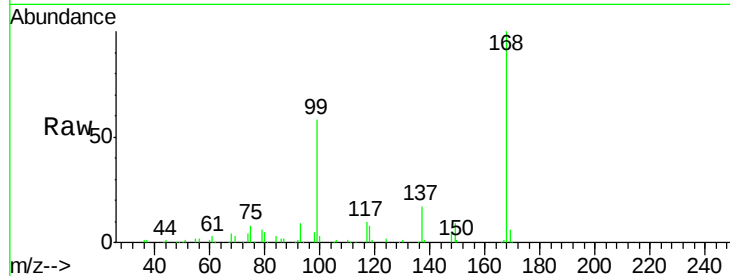
WP021MW360-180625RE

Tot Ion:168 Resp: 206458

Ion Ratio Lower Upper

168 100

99 58.1 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

4.99

100000

80000

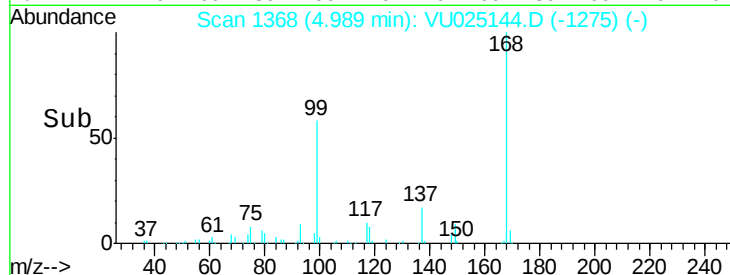
60000

40000

20000

0

Time-->



#3

Chloromethane

Concen: 0.233 ug/l

RT: 1.33 min Scan# 230

Delta R.T. -0.00 min

Lab File: VU025144.D

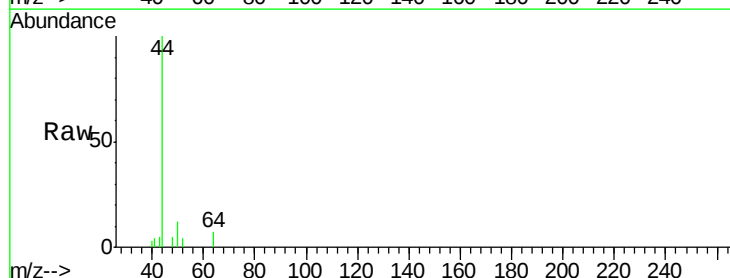
Acq: 02 Jul 2018 15:36

Tgt Ion: 50 Resp: 616

Ion Ratio Lower Upper

50 100

52 35.7 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

1.33

600

500

400

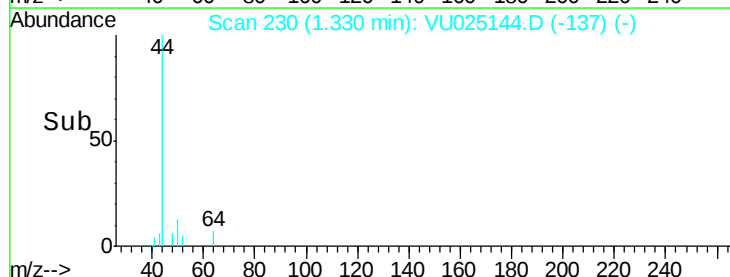
300

200

100

0

Time-->





#4

Vinyl Chloride

Concen: 0.270 ug/l

RT: 1.41 min Scan# 254

Delta R.T. 0.00 min

Lab File: VU025144.D

Acq: 02 Jul 2018 15:36

Instrument :

MSVOA_U

ClientSampleId :

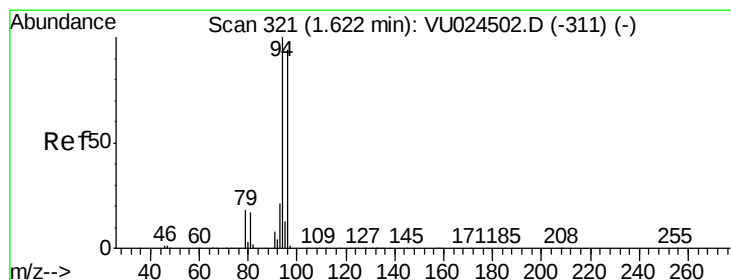
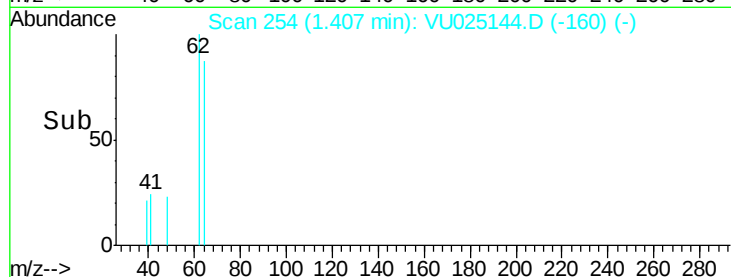
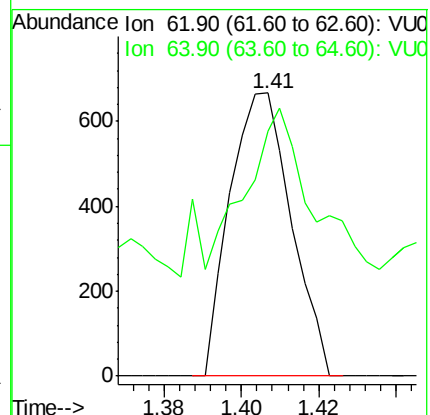
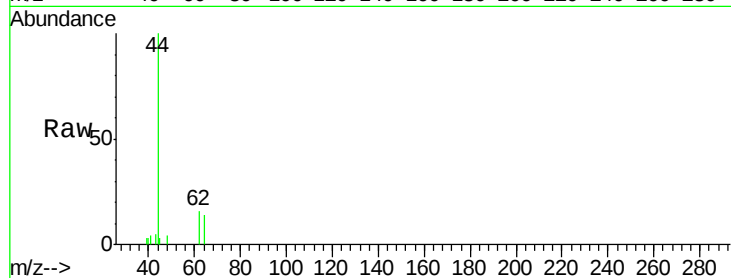
WP021MW360-180625RE

Tot Ion: 62 Resp: 735

Ion Ratio Lower Upper

62 100

64 31.6 24.8 37.2



#5

Bromomethane

Concen: 0.375 ug/l

RT: 1.64 min Scan# 327

Delta R.T. 0.02 min

Lab File: VU025144.D

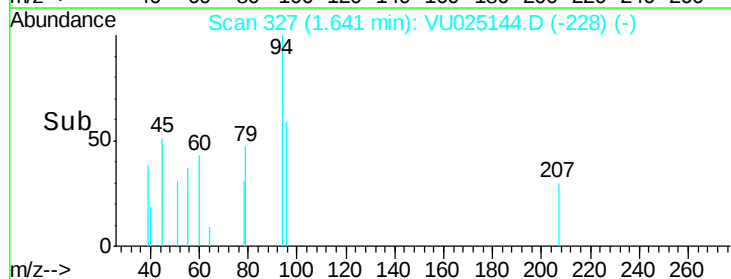
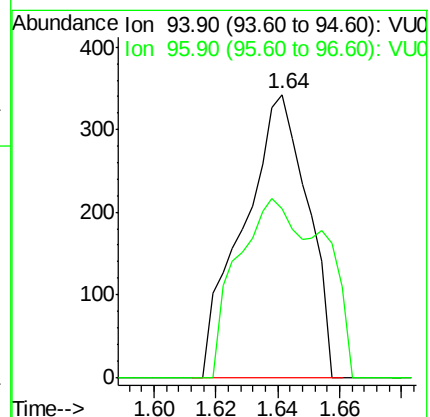
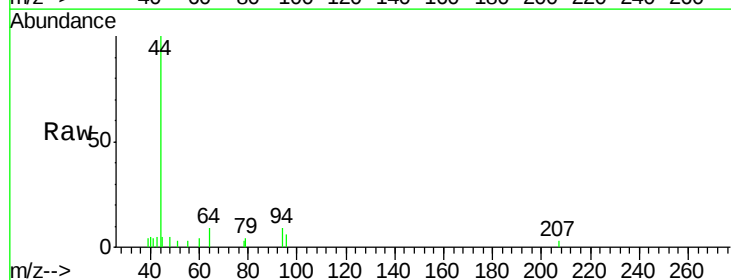
Acq: 02 Jul 2018 15:36

Tgt Ion: 94 Resp: 494

Ion Ratio Lower Upper

94 100

96 59.5 74.5 111.7#





#6

Chloroethane

Concen: Below Cal

RT: 1.70 min Scan# 345

Delta R.T. 0.00 min

Lab File: VU025144.D

Acq: 02 Jul 2018 15:36

Instrument :

MSVOA_U

ClientSampleId :

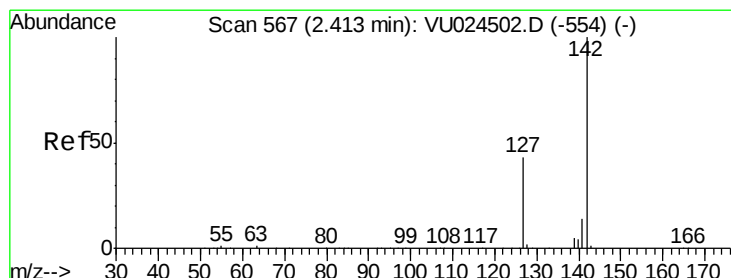
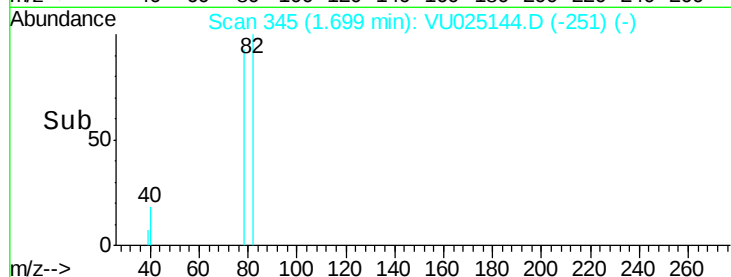
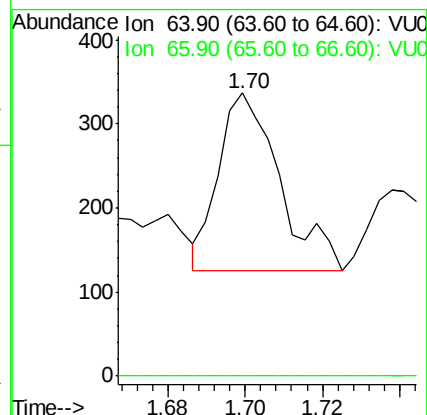
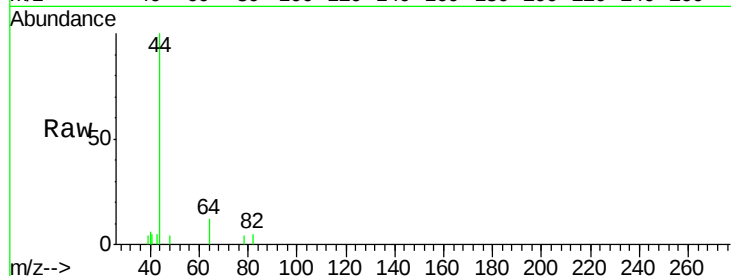
WP021MW360-180625RE

Tot Ion: 64 Resp: 232

Ion Ratio Lower Upper

64 100

66 0.0 25.5 38.3#



#10

Methyl Iodide

Concen: 5.305 ug/l

RT: 2.42 min Scan# 570

Delta R.T. 0.01 min

Lab File: VU025144.D

Acq: 02 Jul 2018 15:36

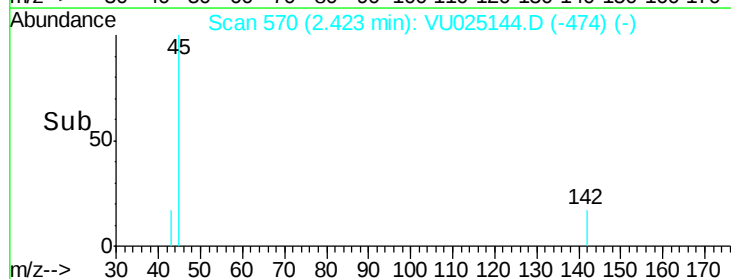
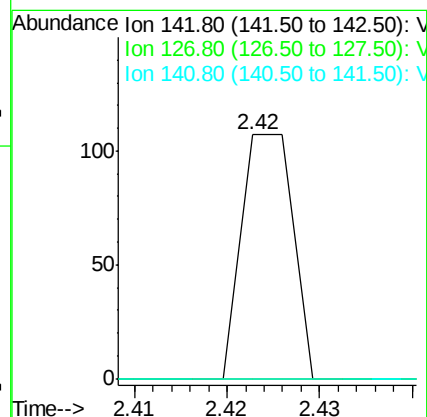
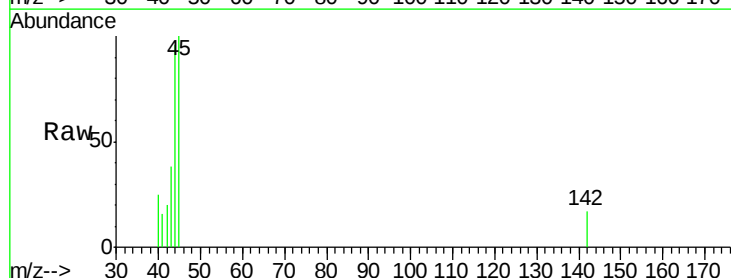
Tgt Ion: 142 Resp: 41

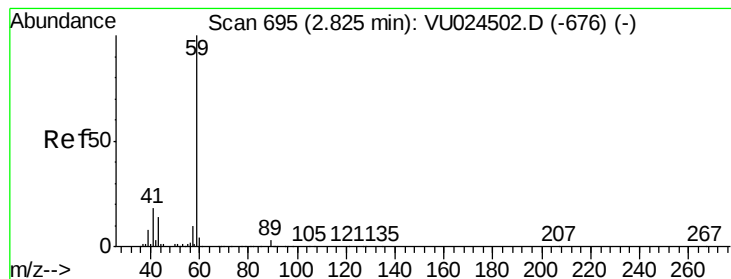
Ion Ratio Lower Upper

142 100

127 0.0 35.6 53.4#

141 0.0 11.7 17.5#



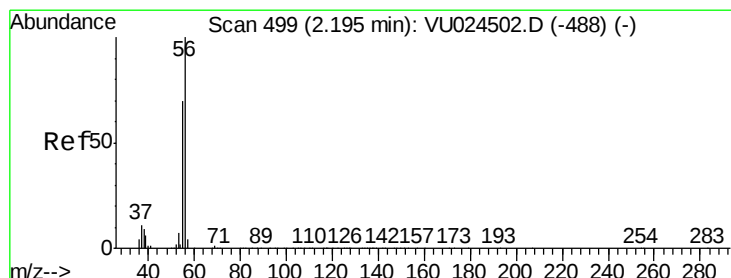
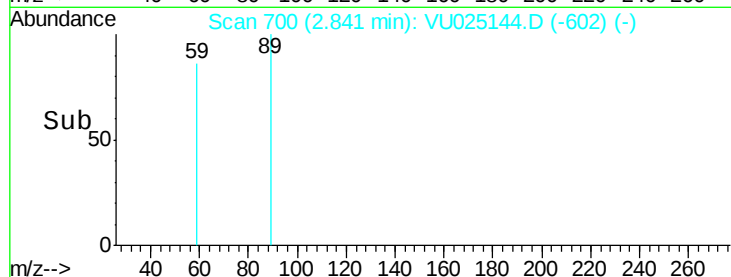
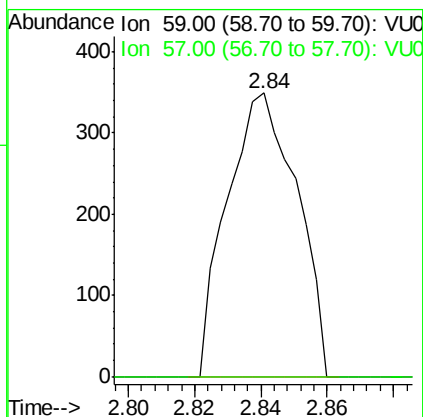
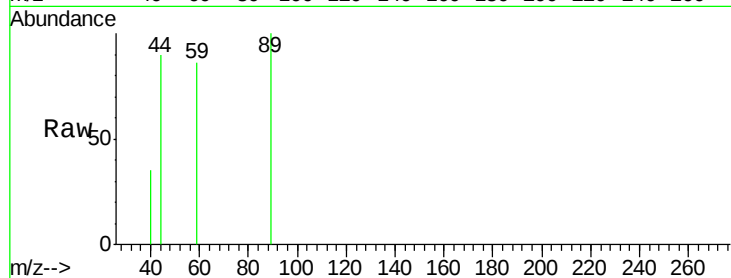


#11

Tert butyl alcohol
 Concen: 0.623 ug/l
 RT: 2.84 min Scan# 700
 Delta R.T. 0.02 min
 Lab File: VU025144.D
 Acq: 02 Jul 2018 15:36

Instrument :
 MSVOA_U
 ClientSampleId :
 WP021MW360-180625RE

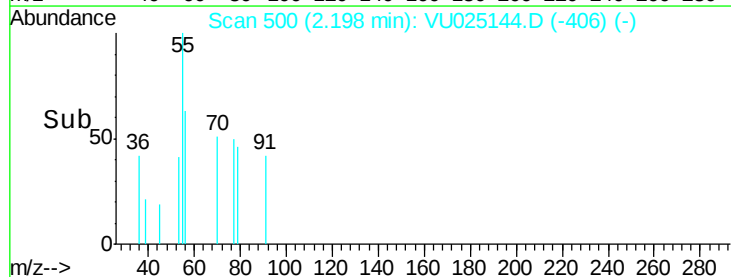
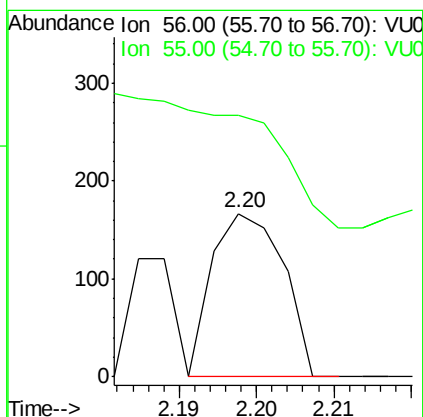
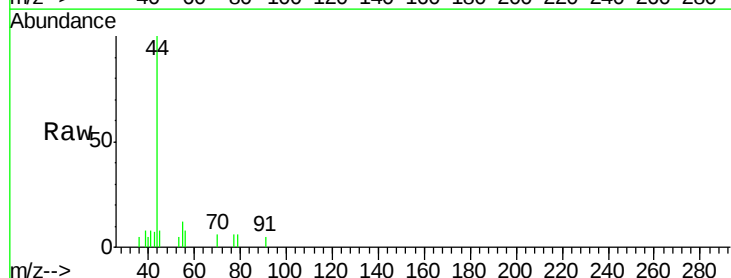
Tot Ion: 59 Resp: 511
 Ion Ratio Lower Upper
 59 100
 57 0.0 8.5 12.7#



#13

Acrolein
 Concen: 0.249 ug/l
 RT: 2.20 min Scan# 500
 Delta R.T. 0.00 min
 Lab File: VU025144.D
 Acq: 02 Jul 2018 15:36

Tgt Ion: 56 Resp: 107
 Ion Ratio Lower Upper
 56 100
 55 0.0 58.4 87.6#





#16

Acetone

Concen: 0.752 ug/l

RT: 2.32 min Scan# 538

Delta R.T. -0.00 min

Lab File: VU025144.D

Acq: 02 Jul 2018 15:36

Instrument :

MSVOA_U

ClientSampleId :

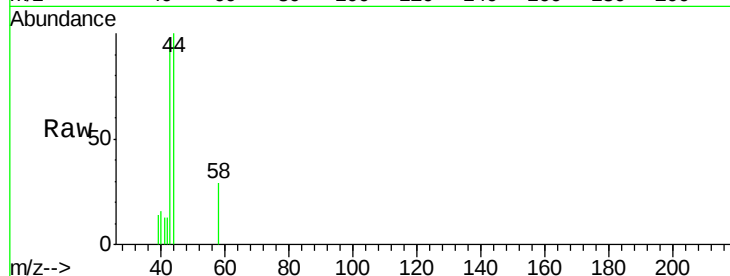
WP021MW360-180625RE

Tot Ion: 43 Resp: 1361

Ion Ratio Lower Upper

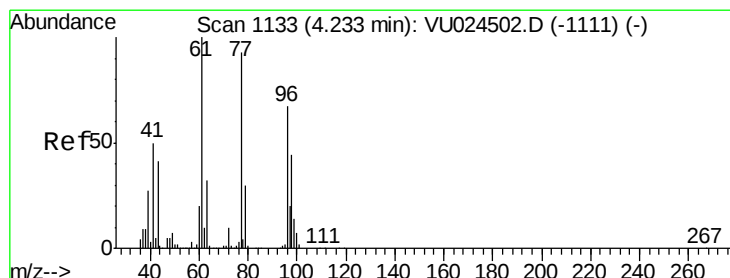
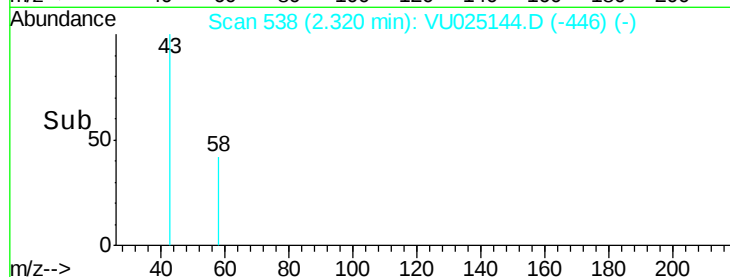
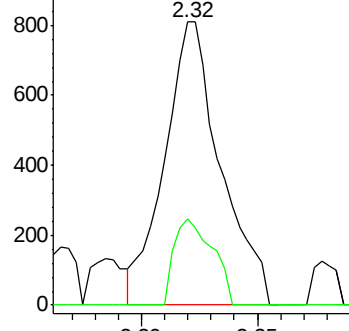
43 100

58 30.3 24.4 36.6



Abundance Ion 43.00 (42.70 to 43.70): VU0

Ion 58.00 (57.70 to 58.70): VU0



#27

cis-1,2-Dichloroethene

Concen: 1.179 ug/l

RT: 4.23 min Scan# 1132

Delta R.T. -0.00 min

Lab File: VU025144.D

Acq: 02 Jul 2018 15:36

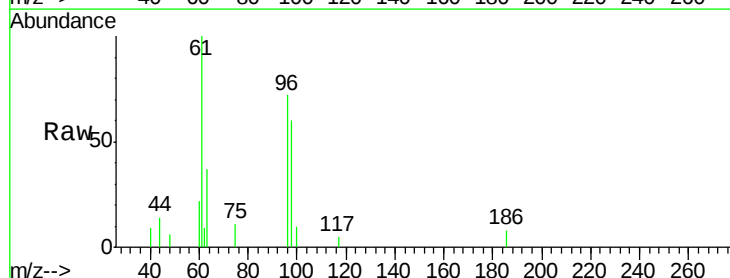
Tgt Ion: 96 Resp: 3511

Ion Ratio Lower Upper

96 100

61 141.3 0.0 306.6

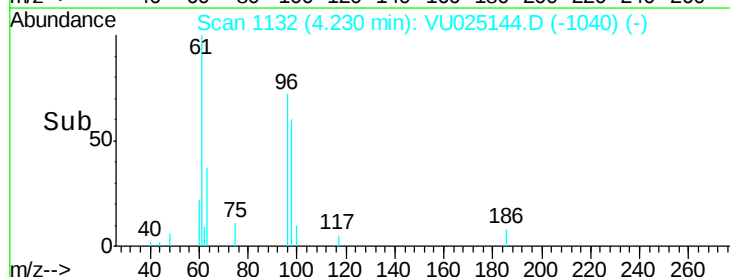
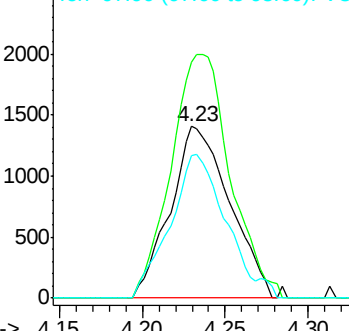
98 79.0 0.0 128.8

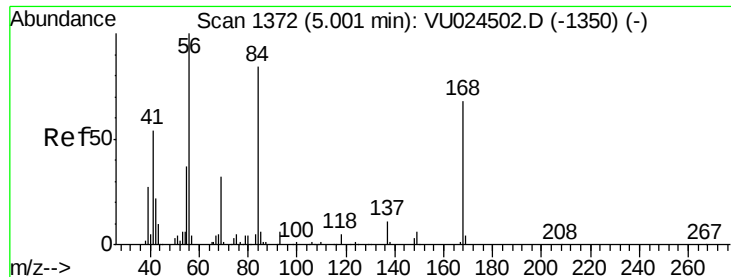


Abundance Ion 95.90 (95.60 to 96.60): VU0

Ion 60.90 (60.60 to 61.60): VU0

Ion 97.90 (97.60 to 98.60): VU0

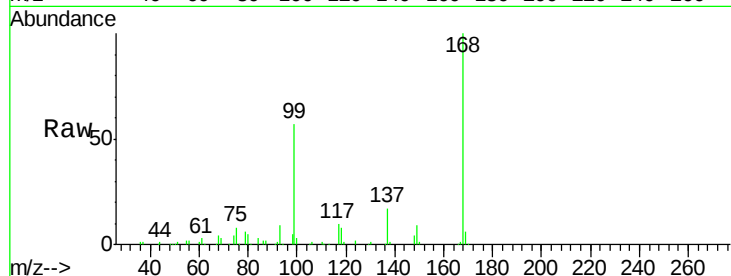




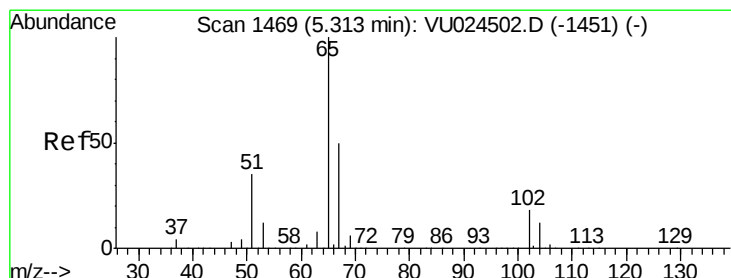
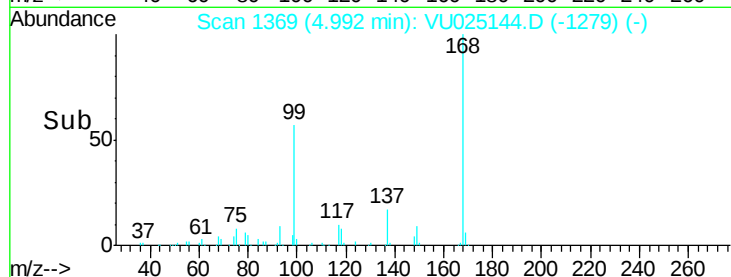
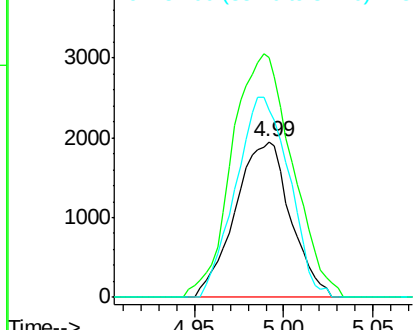
#31
Cyclohexane
Concen: Below Cal
RT: 4.99 min Scan# 1369
Delta R.T. -0.01 min
Lab File: VU025144.D
Acq: 02 Jul 2018 15:36

Instrument :
MSVOA_U
ClientSampleId :
WP021MW360-180625RE

Tot Ion: 56 Resp: 4218
Ion Ratio Lower Upper
56 100
69 148.9 24.8 37.2#
84 120.7 65.2 97.8#

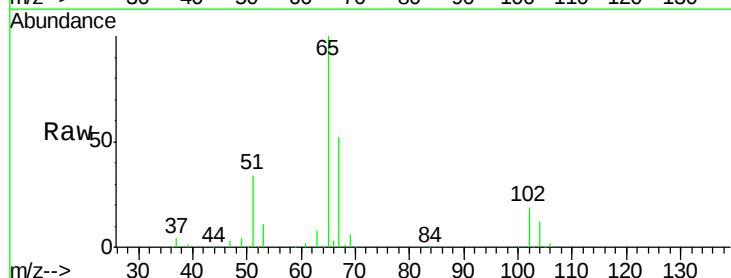


Abundance Ion 56.00 (55.70 to 56.70): VU0
Ion 69.00 (68.70 to 69.70): VU0
Ion 84.00 (83.70 to 84.70): VU0

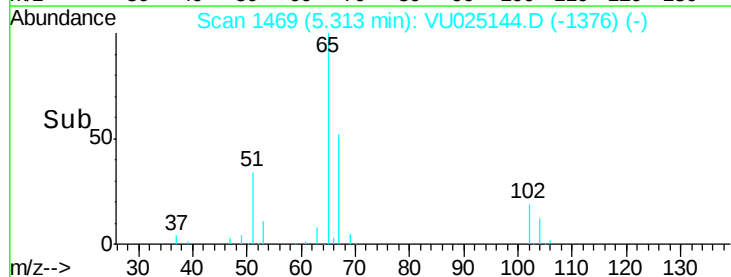
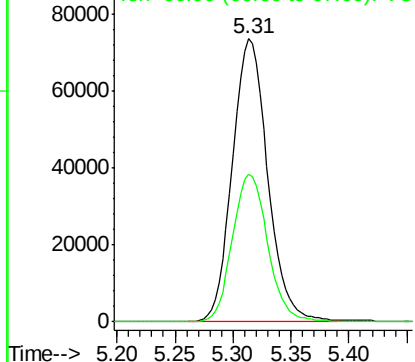


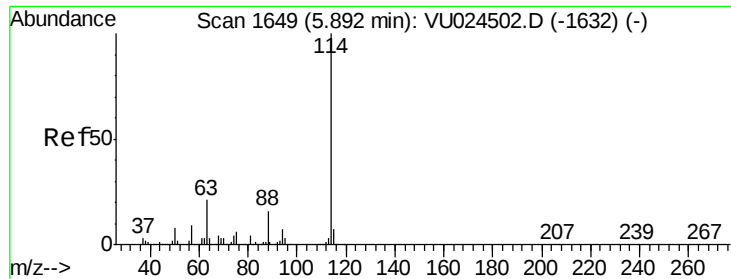
#33
1,2-Dichloroethane-d4
Concen: 46.473 ug/l
RT: 5.31 min Scan# 1469
Delta R.T. -0.00 min
Lab File: VU025144.D
Acq: 02 Jul 2018 15:36

Tgt Ion: 65 Resp: 156635
Ion Ratio Lower Upper
65 100
67 52.1 0.0 107.0



Abundance Ion 64.90 (64.60 to 65.60): VU0
Ion 66.90 (66.60 to 67.60): VU0

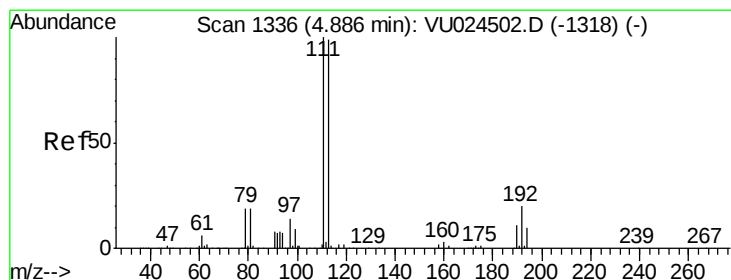
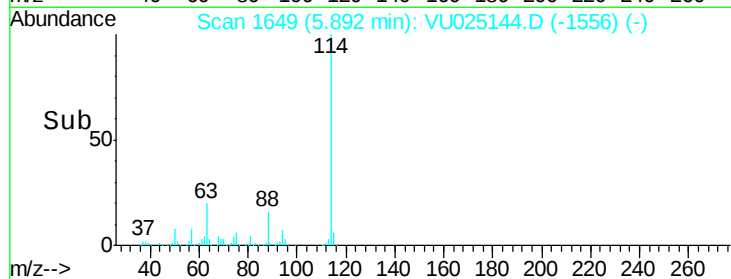
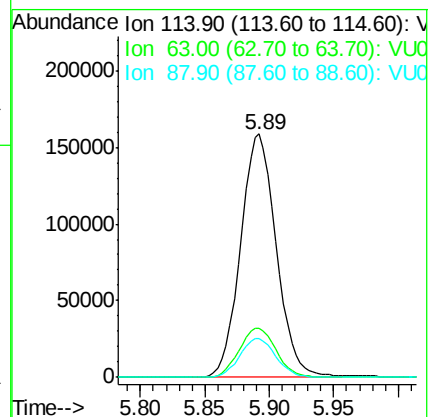
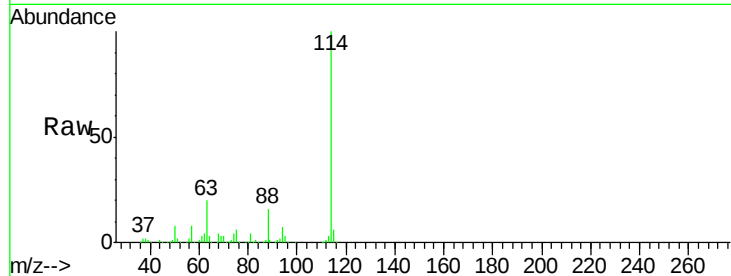




#34
 1,4-Difluorobenzene
 Concen: 50.000 ug/l
 RT: 5.89 min Scan# 1649
 Delta R.T. -0.00 min
 Lab File: VU025144.D
 Acq: 02 Jul 2018 15:36

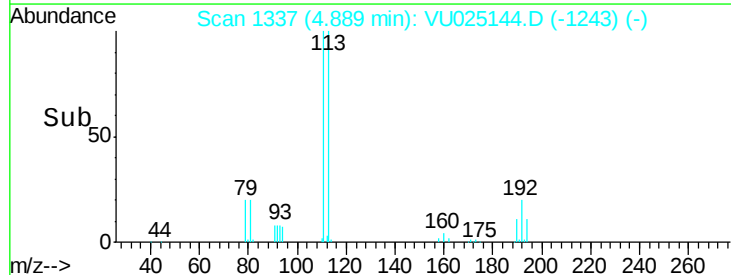
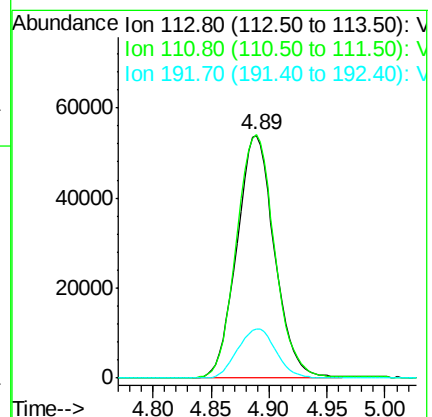
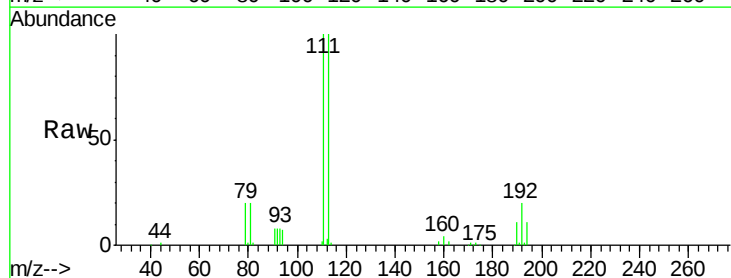
Instrument :
 MSVOA_U
 ClientSampleId :
 WP021MW360-180625RE

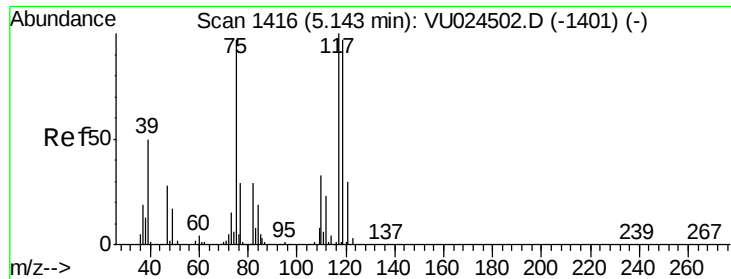
Tot Ion	Ratio	Lower	Upper
114	100		
63	20.2	0.0	45.4
88	15.8	0.0	31.0



#35
 Dibromofluoromethane
 Concen: 47.828 ug/l
 RT: 4.89 min Scan# 1337
 Delta R.T. 0.00 min
 Lab File: VU025144.D
 Acq: 02 Jul 2018 15:36

Tgt Ion	Ratio	Lower	Upper
113	100		
111	101.7	82.2	123.4
192	20.9	16.2	24.4





#36

1,1-Dichloropropene

Concen: 4.323 ug/l

RT: 4.99 min Scan# 1368

Delta R.T. -0.15 min

Lab File: VU025144.D

Acq: 02 Jul 2018 15:36

Instrument :

MSVOA_U

ClientSampleId :

WP021MW360-180625RE

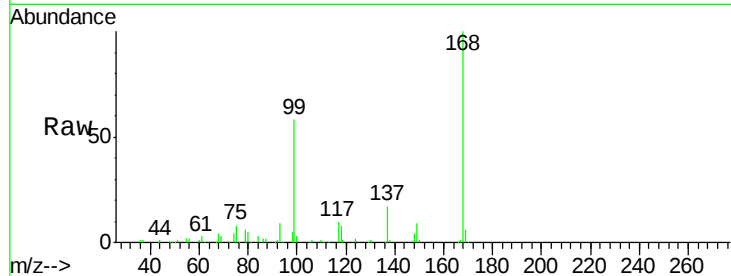
Tot Ion: 75 Resp: 15533

Ion Ratio Lower Upper

75 100

110 8.9 17.0 50.9#

77 0.0 24.2 36.4#

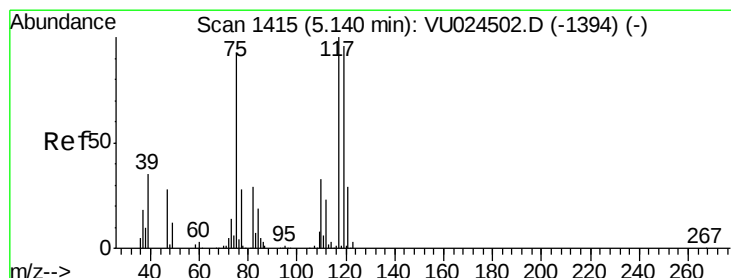
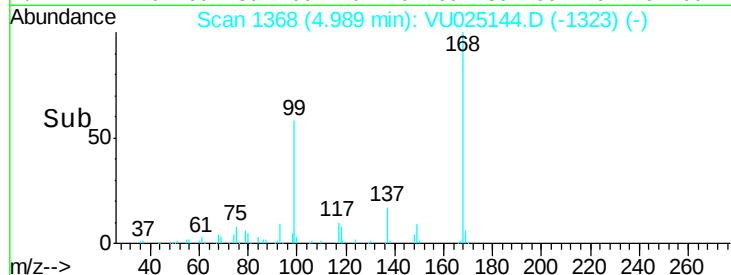


Abundance Ion 74.90 (74.60 to 75.60): VU025144.D (-1323) (-)

Ion 109.90 (109.60 to 110.60): VU025144.D (-1323) (-)

Ion 76.90 (76.60 to 77.60): VU025144.D (-1323) (-)

Time-->



#38

Carbon Tetrachloride

Concen: 4.989 ug/l

RT: 4.99 min Scan# 1368

Delta R.T. -0.15 min

Lab File: VU025144.D

Acq: 02 Jul 2018 15:36

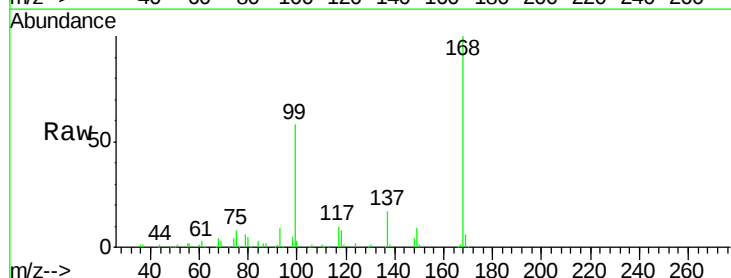
Tgt Ion: 117 Resp: 19713

Ion Ratio Lower Upper

117 100

119 5.7 76.1 114.1#

121 0.0 23.7 35.5#

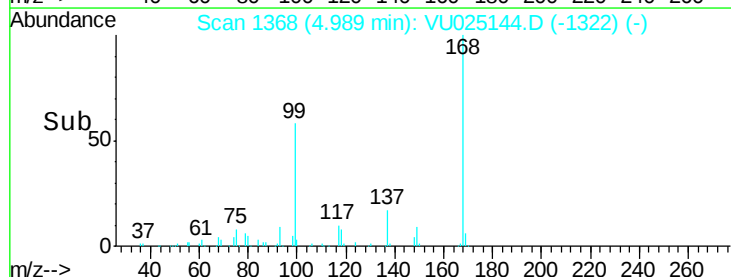


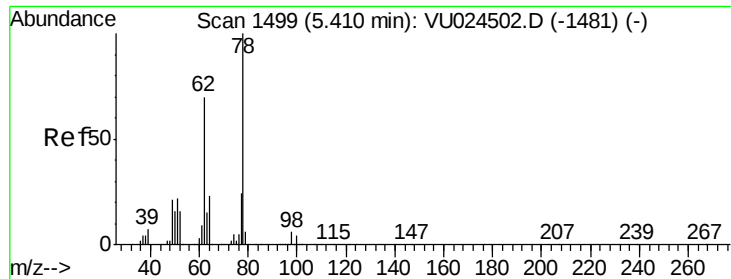
Abundance Ion 116.80 (116.50 to 117.50): VU025144.D (-1322) (-)

Ion 118.80 (118.50 to 119.50): VU025144.D (-1322) (-)

Ion 120.80 (120.50 to 121.50): VU025144.D (-1322) (-)

Time-->





#42

1,2-Dichloroethane

Concen: 0.200 ug/l

RT: 5.41 min Scan# 1498

Delta R.T. -0.00 min

Lab File: VU025144.D

Acq: 02 Jul 2018 15:36

Instrument :

MSVOA_U

ClientSampleId :

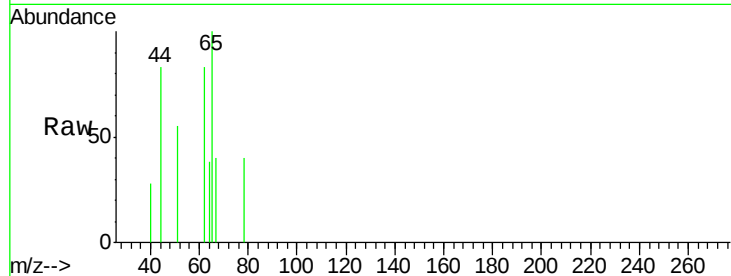
WP021MW360-180625RE

Tot Ion: 62 Resp: 780

Ion Ratio Lower Upper

62 100

98 0.0 0.0 16.6



Abundance Ion 61.90 (61.60 to 62.60): VU0

Ion 97.90 (97.60 to 98.60): VU0

5.41

400

300

200

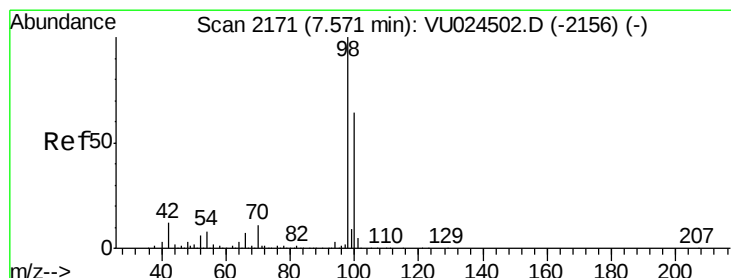
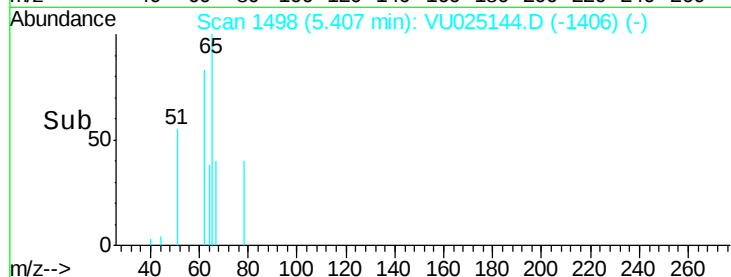
100

0

Time--> 5.35

5.40

5.45



#50

Toluene-d8

Concen: 48.008 ug/l

RT: 7.57 min Scan# 2171

Delta R.T. -0.00 min

Lab File: VU025144.D

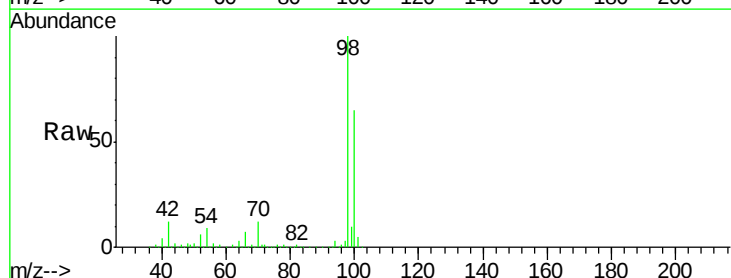
Acq: 02 Jul 2018 15:36

Tgt Ion: 98 Resp: 444402

Ion Ratio Lower Upper

98 100

100 64.2 51.1 76.7



Abundance Ion 98.00 (97.70 to 98.70): VU0

Ion 100.00 (99.70 to 100.70): VU0

7.57

300000

250000

200000

150000

100000

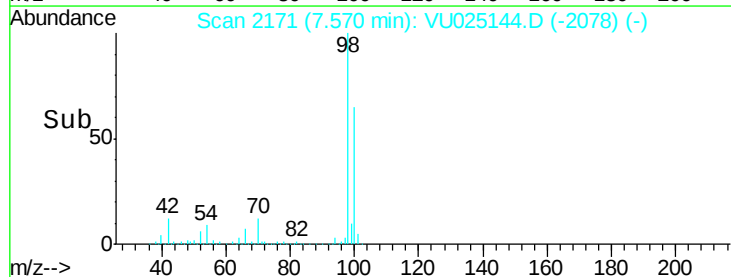
50000

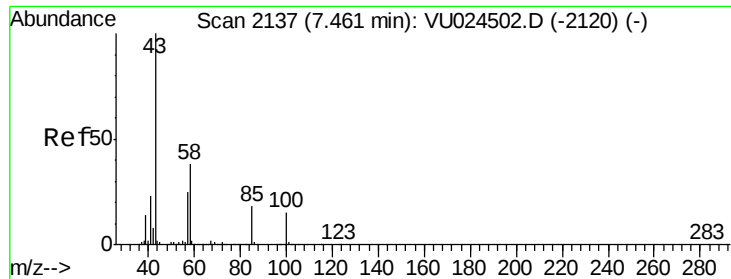
0

Time--> 7.55

7.60

7.70





#51

4-Methyl-2-Pentanone

Concen: 0.434 ug/l

RT: 7.57 min Scan# 2171

Delta R.T. 0.11 min

Lab File: VU025144.D

Acq: 02 Jul 2018 15:36

Instrument :

MSVOA_U

ClientSampleId :

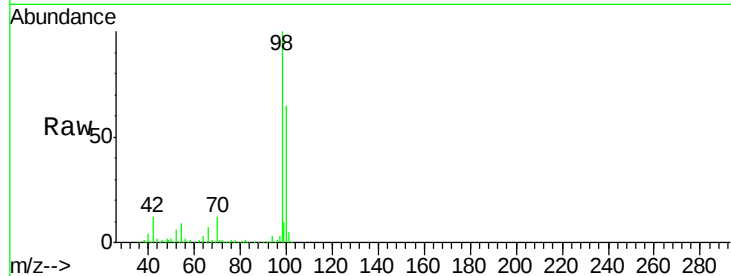
WP021MW360-180625RE

Tot Ion: 43 Resp: 1845

Ion Ratio Lower Upper

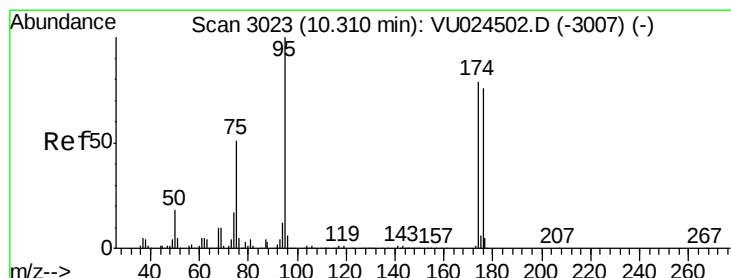
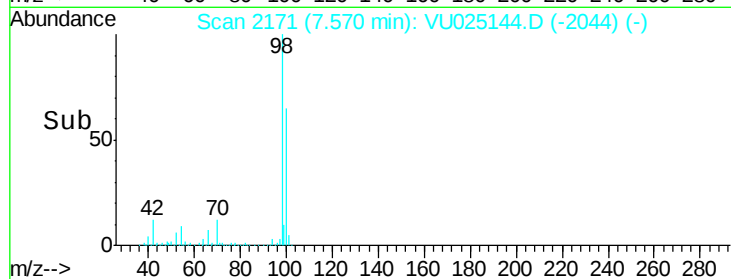
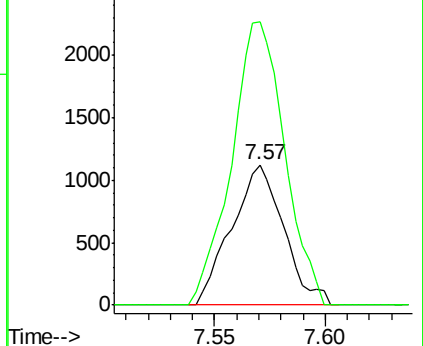
43 100

58 205.1 30.0 45.0#



Abundance Ion 43.00 (42.70 to 43.70): VU0

Ion 58.00 (57.70 to 58.70): VU0



#62

4-Bromofluorobenzene

Concen: 44.022 ug/l

RT: 10.31 min Scan# 3024

Delta R.T. 0.00 min

Lab File: VU025144.D

Acq: 02 Jul 2018 15:36

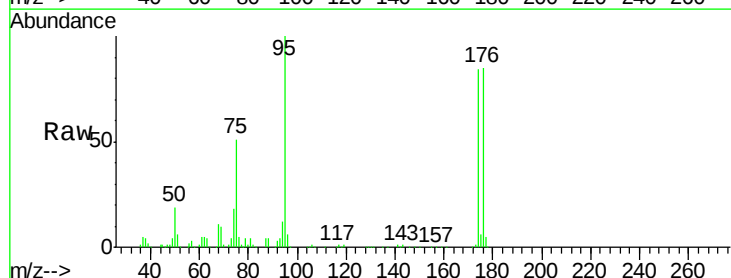
Tgt Ion: 95 Resp: 161796

Ion Ratio Lower Upper

95 100

174 83.9 0.0 165.8

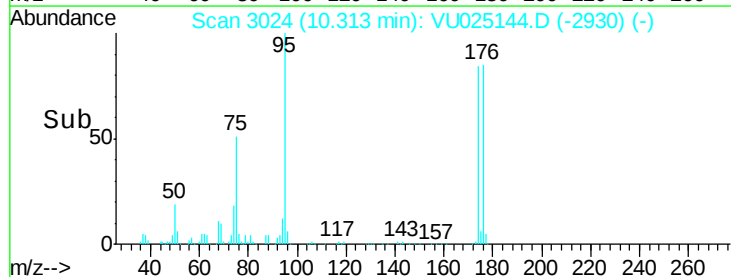
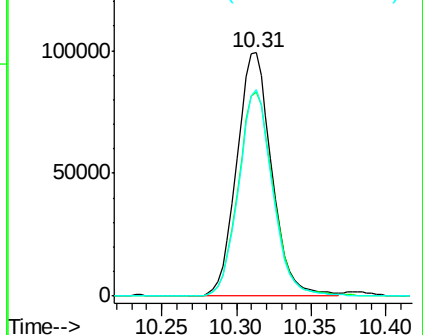
176 82.0 0.0 159.4

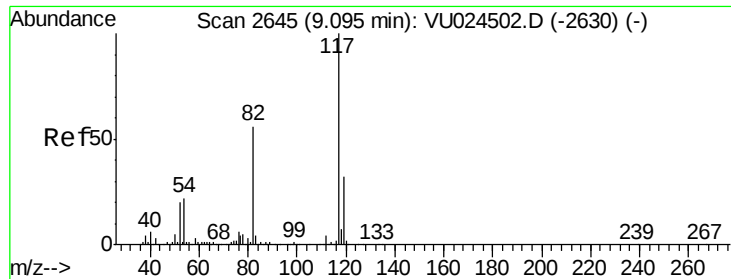


Abundance Ion 94.90 (94.60 to 95.60): VU0

Ion 173.80 (173.50 to 174.50): V

Ion 175.80 (175.50 to 176.50): V

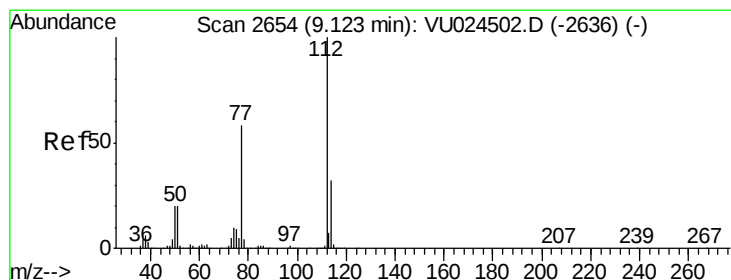
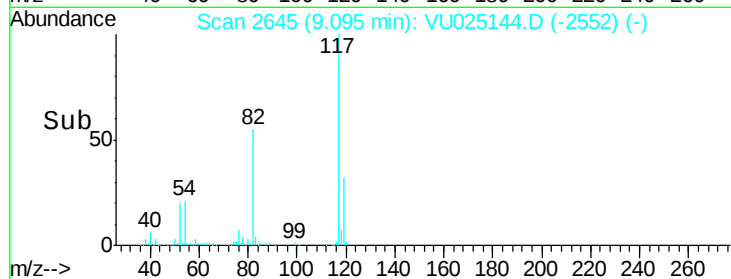
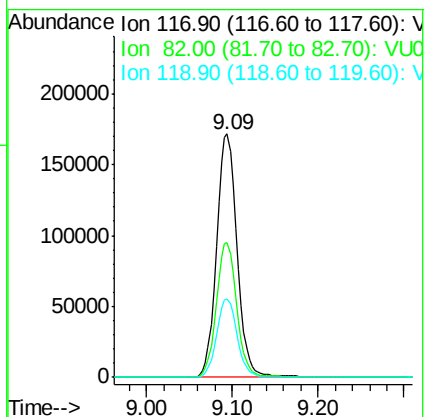
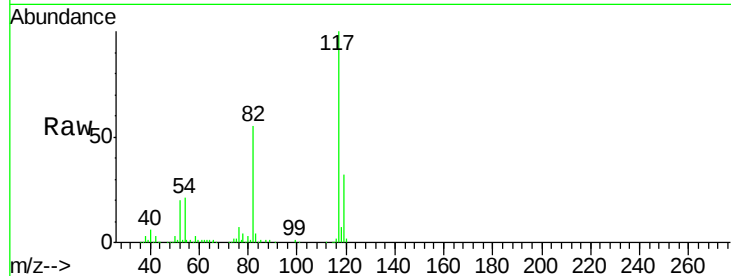




#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 9.09 min Scan# 2645
Delta R.T. -0.00 min
Lab File: VU025144.D
Acq: 02 Jul 2018 15:36

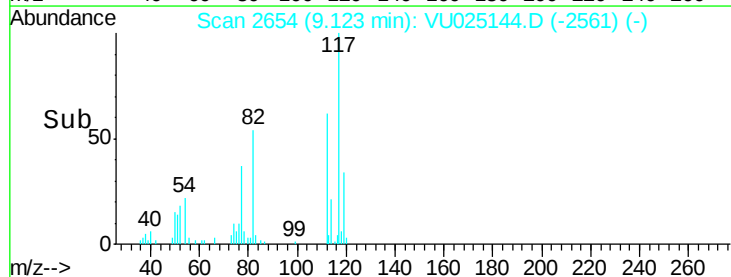
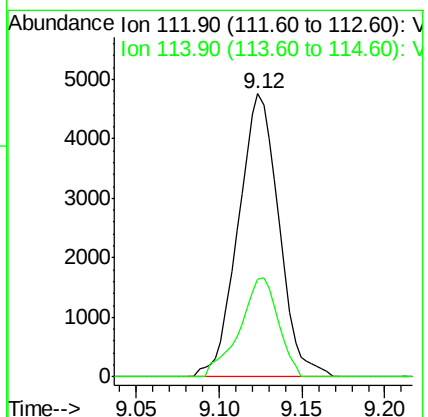
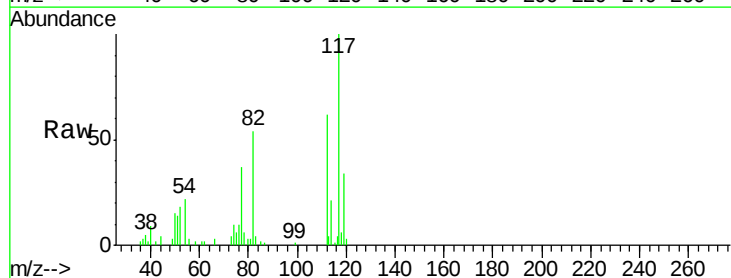
Instrument :
MSVOA_U
ClientSampleId :
WP021MW360-180625RE

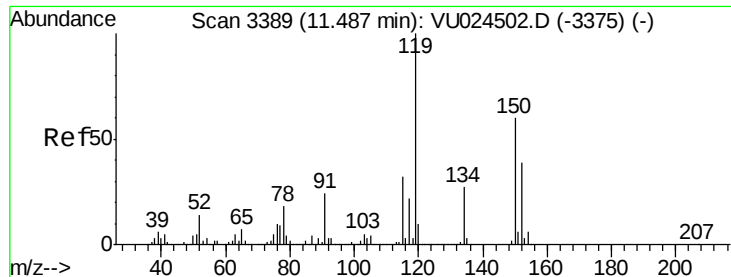
Tot Ion:117 Resp: 285608
Ion Ratio Lower Upper
117 100
82 55.3 44.3 66.5
119 32.4 25.4 38.2



#65
Chlorobenzene
Concen: 1.109 ug/l
RT: 9.12 min Scan# 2654
Delta R.T. -0.00 min
Lab File: VU025144.D
Acq: 02 Jul 2018 15:36

Tgt Ion:112 Resp: 8089
Ion Ratio Lower Upper
112 100
114 34.5 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: VU025144.D

Acq: 02 Jul 2018 15:36

Instrument :

MSVOA_U

ClientSampleId :

WP021MW360-180625RE

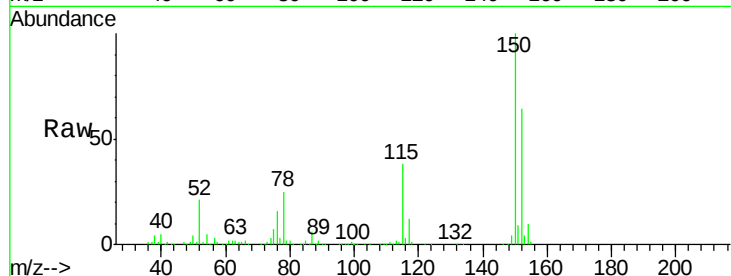
Tot Ion:152 Resp: 146322

Ion Ratio Lower Upper

152 100

115 57.5 43.0 129.0

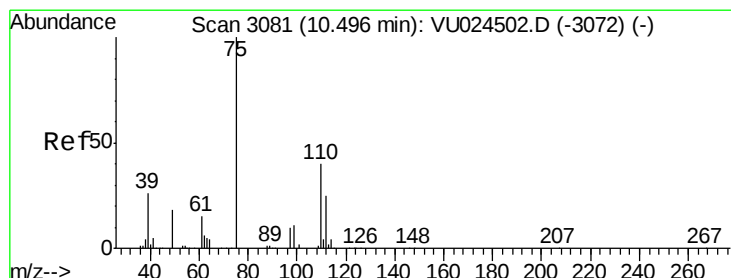
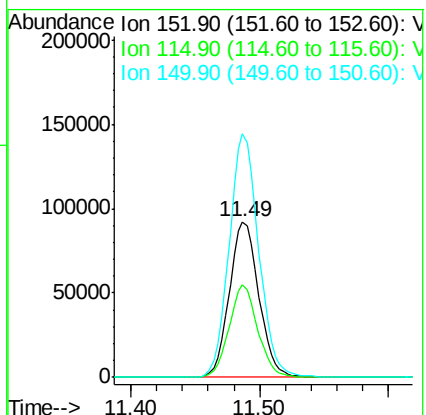
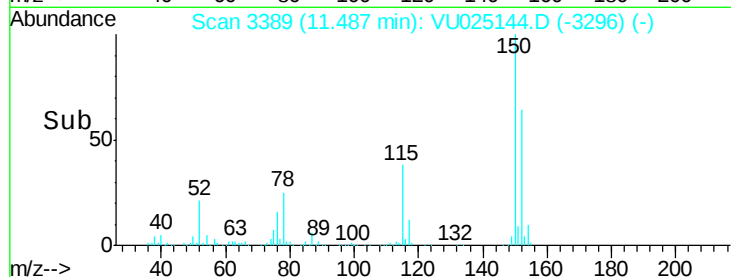
150 156.4 0.0 354.0



Abundance Ion 151.90 (151.60 to 152.60): V

Ion 114.90 (114.60 to 115.60): V

Ion 149.90 (149.60 to 150.60): V



#76

1,2,3-Trichloropropane

Concen: 26.347 ug/l

RT: 10.31 min Scan# 3023

Delta R.T. -0.19 min

Lab File: VU025144.D

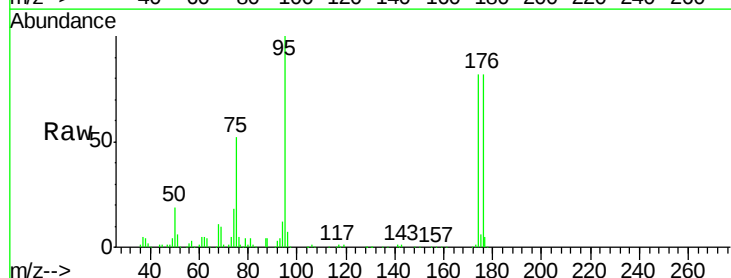
Acq: 02 Jul 2018 15:36

Tgt Ion: 75 Resp: 84875

Ion Ratio Lower Upper

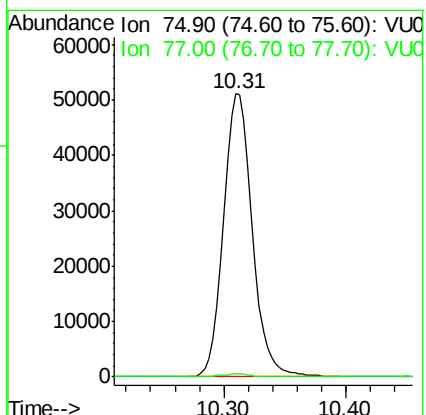
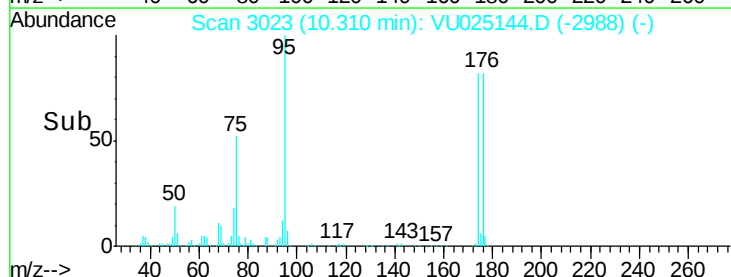
75 100

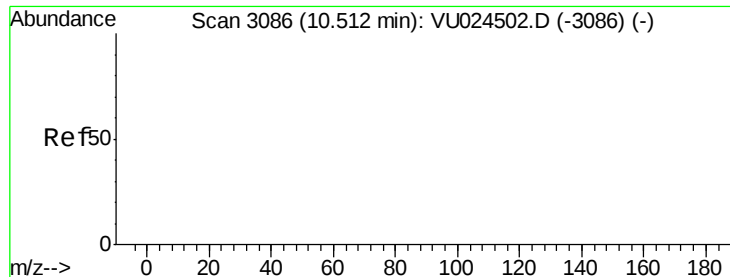
77 0.9 20.9 62.7#



Abundance Ion 74.90 (74.60 to 75.60): VU0

Ion 77.00 (76.70 to 77.70): VU0

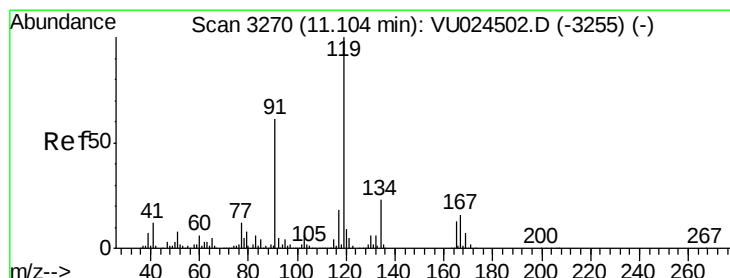
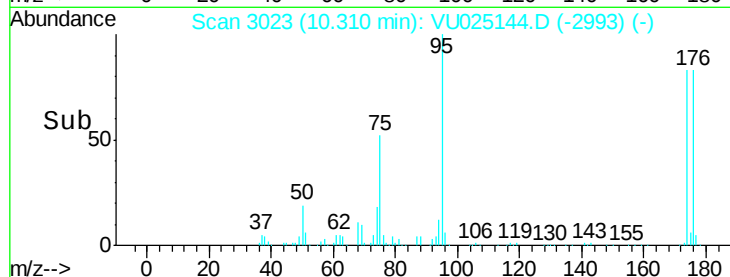
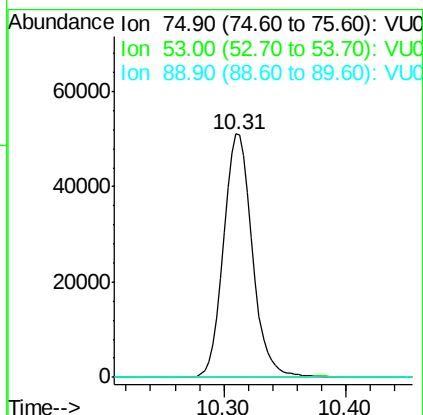
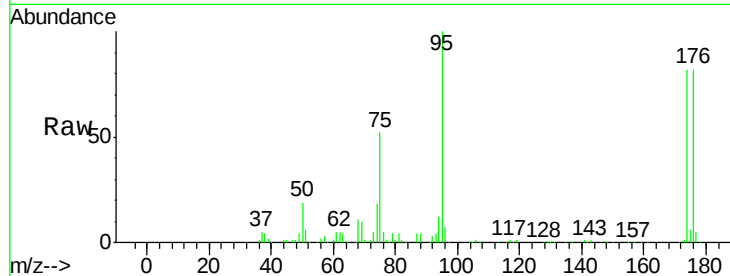




#81
trans-1,4-Dichloro-2-butene
Concen: 60.977 ug/l
RT: 10.31 min Scan# 3023
Delta R.T. -0.20 min
Lab File: VU025144.D
Acq: 02 Jul 2018 15:36

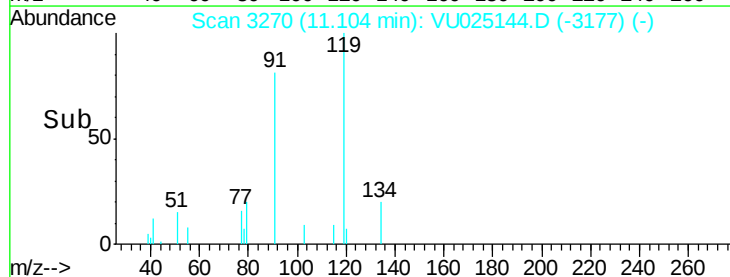
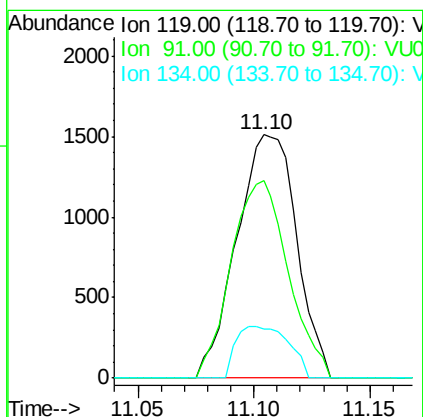
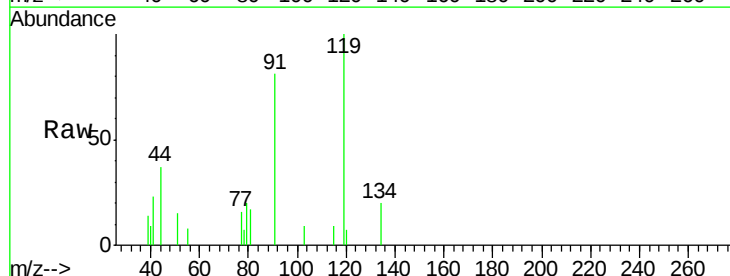
Instrument :
MSVOA_U
ClientSampleId :
WP021MW360-180625RE

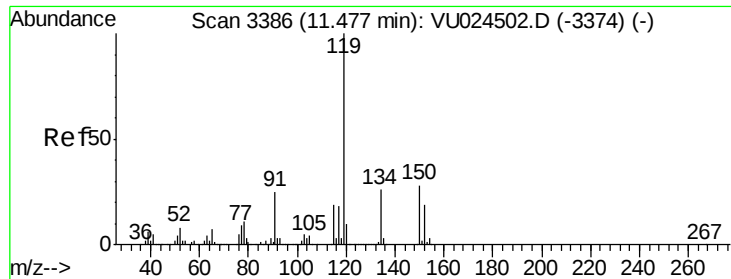
Tot Ion: 75 Resp: 84875
Ion Ratio Lower Upper
75 100
53 0.0 0.0 0.0
89 0.0 0.0 0.0



#83
tert-Butylbenzene
Concen: 0.289 ug/l
RT: 11.10 min Scan# 3270
Delta R.T. -0.00 min
Lab File: VU025144.D
Acq: 02 Jul 2018 15:36

Tgt Ion: 119 Resp: 2703
Ion Ratio Lower Upper
119 100
91 77.5 29.7 89.1
134 18.6 11.6 34.7

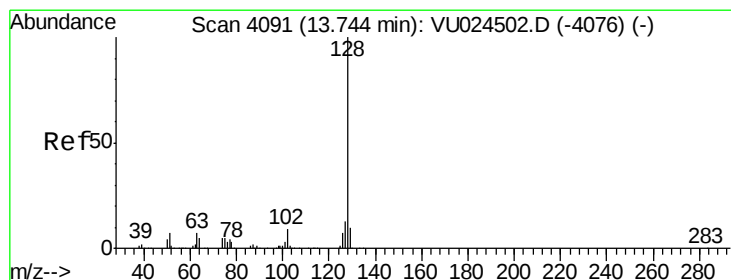
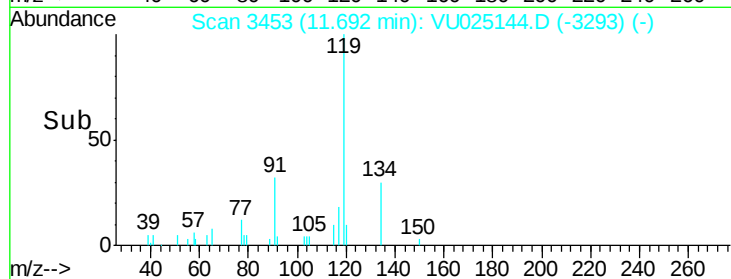
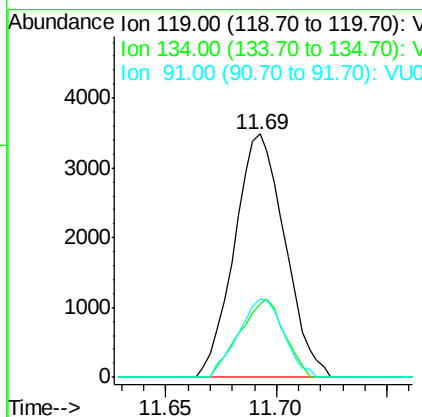
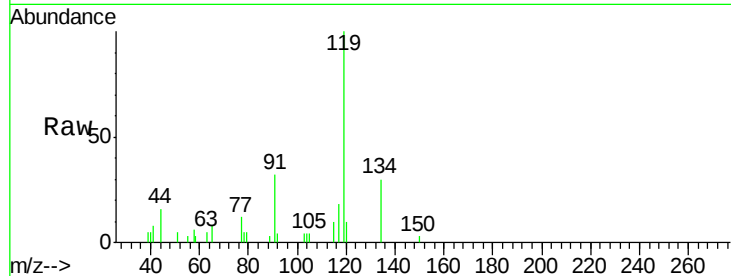




#86
 p-Isopropyltoluene
 Concen: 0.526 ug/l
 RT: 11.69 min Scan# 3453
 Delta R.T. 0.22 min
 Lab File: VU025144.D
 Acq: 02 Jul 2018 15:36

Instrument :
 MSVOA_U
 ClientSampleId :
 WP021MW360-180625RE

Tot Ion	Ratio	Lower	Upper
119	100		
134	28.3	12.9	38.6
91	29.1	12.0	36.1



#95
 Naphthalene
 Concen: 0.709 ug/l
 RT: 13.76 min Scan# 4096
 Delta R.T. 0.02 min
 Lab File: VU025144.D
 Acq: 02 Jul 2018 15:36

Tgt Ion	Ratio	Lower	Upper
128	100		
127	0.0	10.6	16.0#
129	0.0	8.6	12.8#

