

Data Path : Z:\VOASRV\HPCHEM1\MSVOA_U\DATA\VU061818\
 Data File : VU024720.D
 Acq On : 19 Jun 2018 03:56
 Operator : MD/SY
 Sample : J3535-08
 Misc : 5.0mL/MSVOA_U/WATER
 ALS Vial : 45 Sample Multiplier: 1

Instrument :
 MSVOA_U
 ClientSampleId :
 KY037MW097-180613

Quant Time: Jun 19 05:20:59 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	184369	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	5.89	114	295127	50.00	ug/l	0.00
63) Chlorobenzene-d5	9.09	117	273075	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	11.49	152	146952	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	131028	43.53	ug/l	0.00
Spiked Amount			Recovery	=	87.06%	
35) Dibromofluoromethane	4.89	113	115771	47.27	ug/l	0.00
Spiked Amount			Recovery	=	94.54%	
50) Toluene-d8	7.57	98	428671	47.98	ug/l	0.00
Spiked Amount			Recovery	=	95.96%	
62) 4-Bromofluorobenzene	10.31	95	153351	43.23	ug/l	0.00
Spiked Amount			Recovery	=	86.46%	

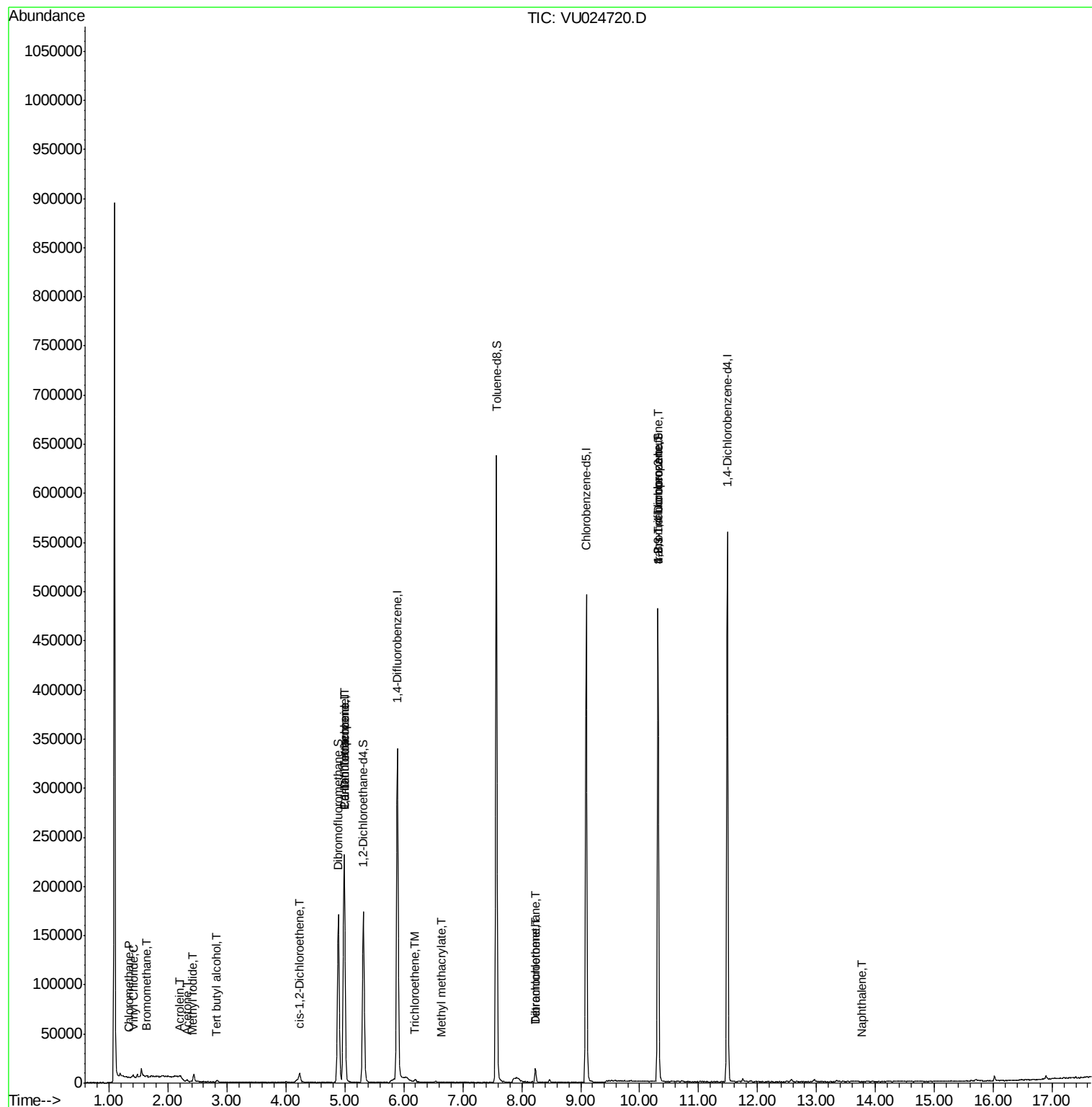
Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
3) Chloromethane	1.33	50	635	0.269	ug/l	94
4) Vinyl Chloride	1.41	62	1196	0.492	ug/l #	89
5) Bromomethane	1.64	94	557	0.474	ug/l	84
6) Chloroethane	1.69	64	131	Below Cal	#	43
10) Methyl Iodide	2.41	142	44	5.309	ug/l #	40
11) Tert butyl alcohol	2.83	59	827	1.130	ug/l #	94
13) Acrolein	2.19	56	105	0.273	ug/l #	22
16) Acetone	2.32	43	1275	0.788	ug/l	93
27) cis-1,2-Dichloroethene	4.23	96	5172	1.946	ug/l	83
31) Cyclohexane	4.99	56	3548	Below Cal	#	6
36) 1,1-Dichloropropene	4.99	75	13176	3.799	ug/l #	50
38) Carbon Tetrachloride	4.99	117	17332	4.545	ug/l #	17
44) Trichloroethene	6.19	130	837	0.298	ug/l	82
48) Methyl methacrylate	6.64	41	690	0.217	ug/l #	47
60) Dibromochloromethane	8.23	129	2910	0.903	ug/l #	11
64) Tetrachloroethene	8.23	164	3000	1.156	ug/l	97
76) 1,2,3-Trichloropropane	10.31	75	77353	23.909	ug/l #	36
81) trans-1,4-Dichloro-2-buten	10.31	75	77353	55.335	ug/l #	100
95) Naphthalene	13.77	128	68	0.685	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: VU024720.D

Acq: 19 Jun 2018 03:56

Instrument :

MSVOA_U

ClientSampleId :

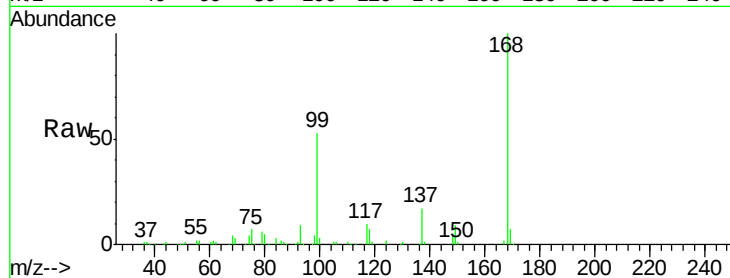
KY037MW097-180613

Tgt Ion:168 Resp: 184369

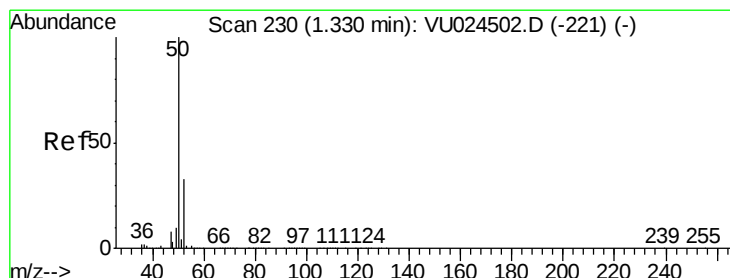
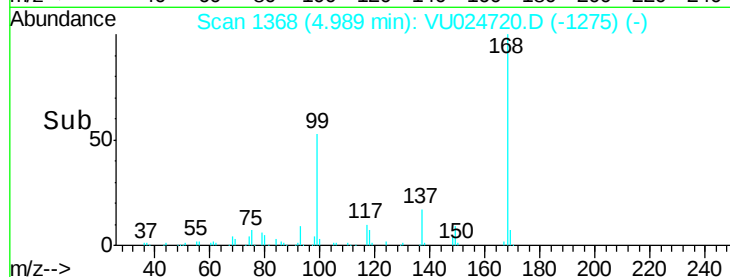
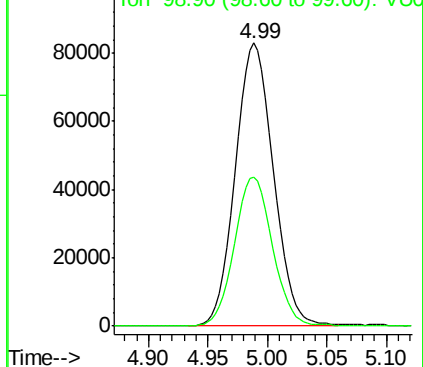
Ion Ratio Lower Upper

168 100

99 52.8 43.2 64.8



Abundance Ion 167.90 (167.60 to 168.60): VU024720.D (-1351) (-)



#3

Chloromethane

Concen: 0.269 ug/l

RT: 1.33 min Scan# 230

Delta R.T. -0.00 min

Lab File: VU024720.D

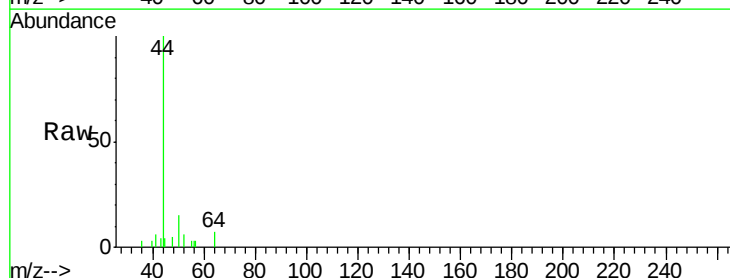
Acq: 19 Jun 2018 03:56

Tgt Ion: 50 Resp: 635

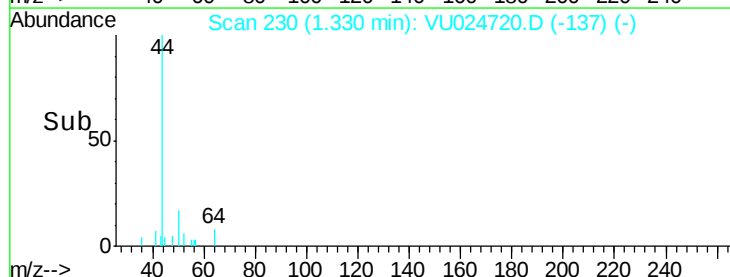
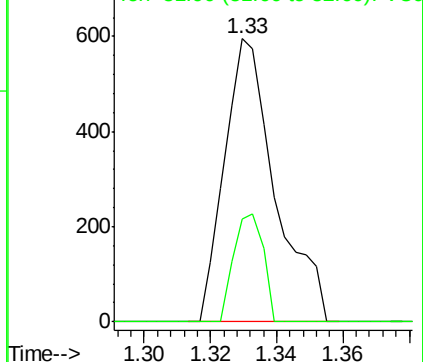
Ion Ratio Lower Upper

50 100

52 36.3 26.4 39.6



Abundance Ion 49.90 (49.60 to 50.60): VU024720.D (-137) (-)





#4

Vinyl Chloride

Concen: 0.492 ug/l

RT: 1.41 min Scan# 254

Delta R.T. 0.00 min

Lab File: VU024720.D

Acq: 19 Jun 2018 03:56

Instrument :

MSVOA_U

ClientSampleId :

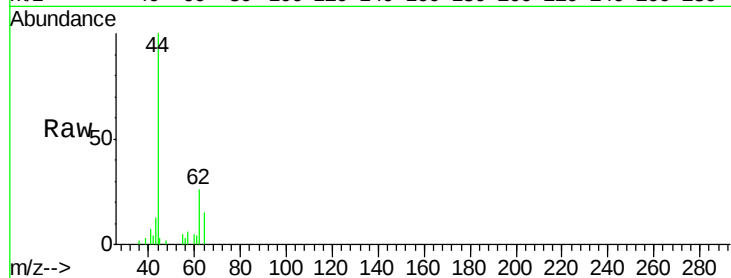
KY037MW097-180613

Tgt Ion: 62 Resp: 1196

Ion Ratio Lower Upper

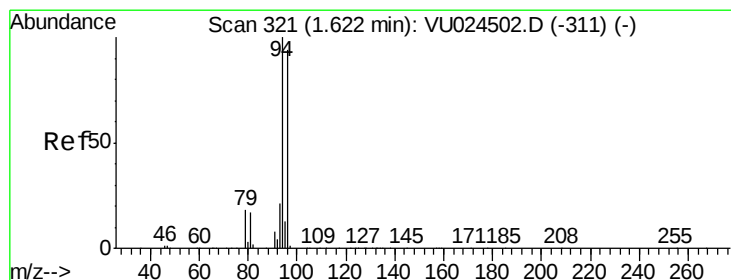
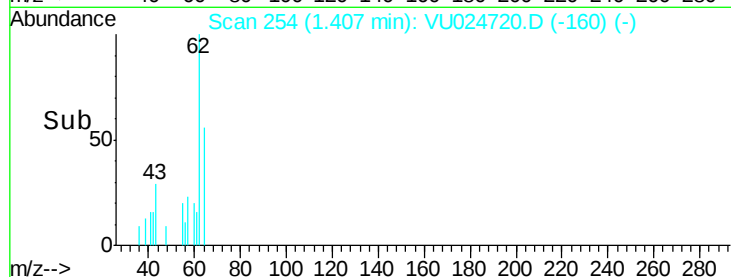
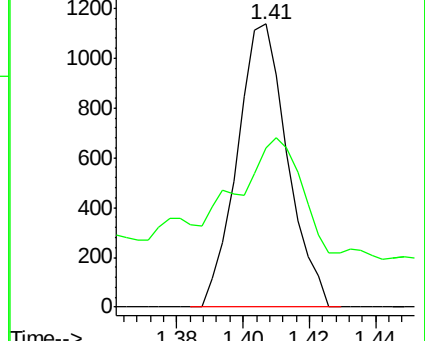
62 100

64 37.2 24.8 37.2#



Abundance Ion 61.90 (61.60 to 62.60): VU0

Ion 63.90 (63.60 to 64.60): VU0



#5

Bromomethane

Concen: 0.474 ug/l

RT: 1.64 min Scan# 327

Delta R.T. 0.02 min

Lab File: VU024720.D

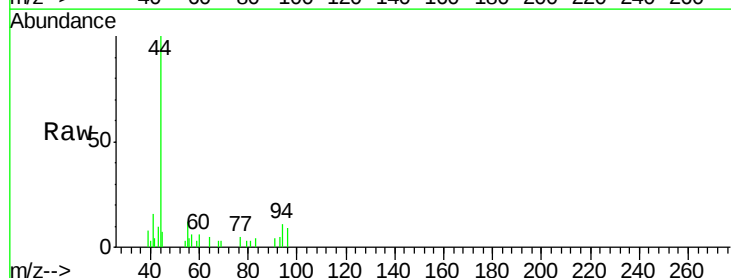
Acq: 19 Jun 2018 03:56

Tgt Ion: 94 Resp: 557

Ion Ratio Lower Upper

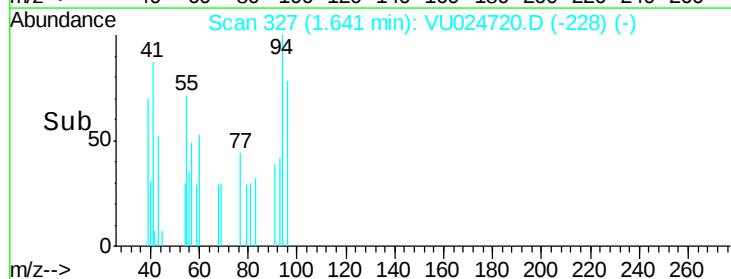
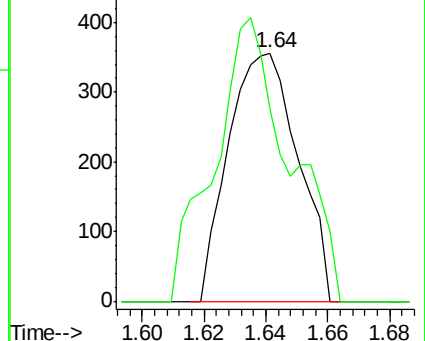
94 100

96 77.8 74.5 111.7



Abundance Ion 93.90 (93.60 to 94.60): VU0

Ion 95.90 (95.60 to 96.60): VU0





#6

Chloroethane

Concen: Below Cal

RT: 1.69 min Scan# 343

Delta R.T. -0.00 min

Lab File: VU024720.D

Acq: 19 Jun 2018 03:56

Instrument :

MSVOA_U

ClientSampleId :

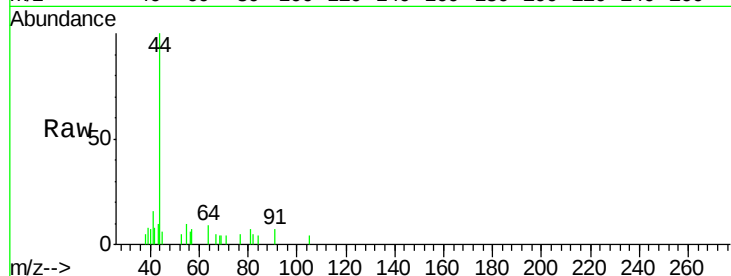
KY037MW097-180613

Tgt Ion: 64 Resp: 131

Ion Ratio Lower Upper

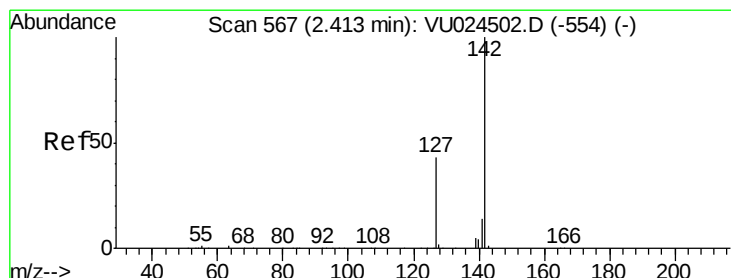
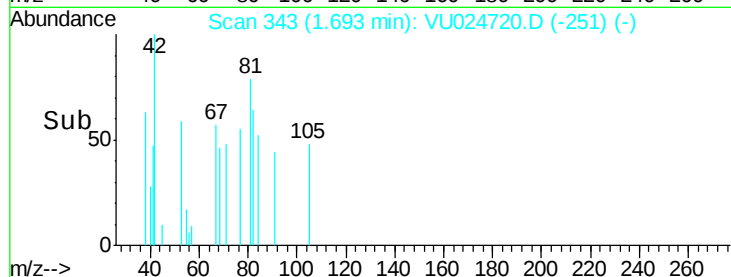
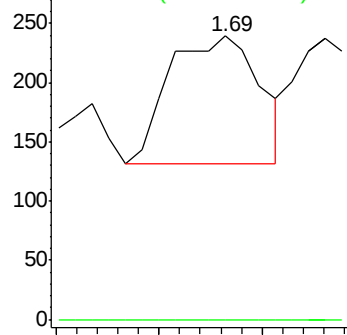
64 100

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



#10

Methyl Iodide

Concen: 5.309 ug/l

RT: 2.41 min Scan# 565

Delta R.T. -0.01 min

Lab File: VU024720.D

Acq: 19 Jun 2018 03:56

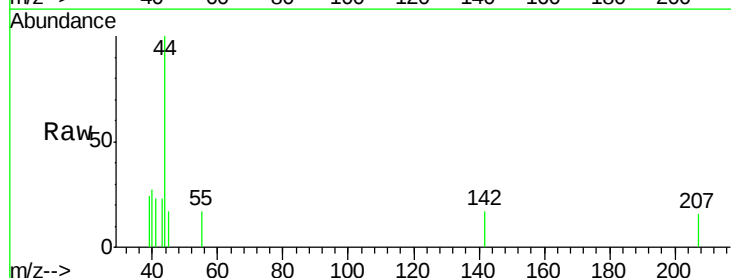
Tgt Ion: 142 Resp: 44

Ion Ratio Lower Upper

142 100

127 0.0 35.6 53.4#

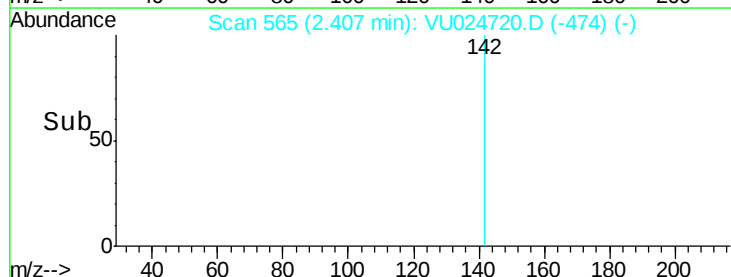
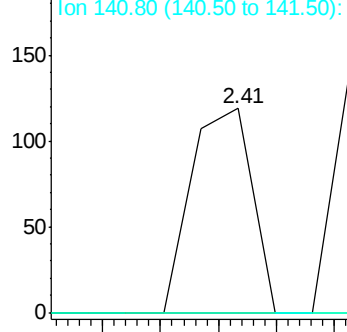
141 0.0 11.7 17.5#

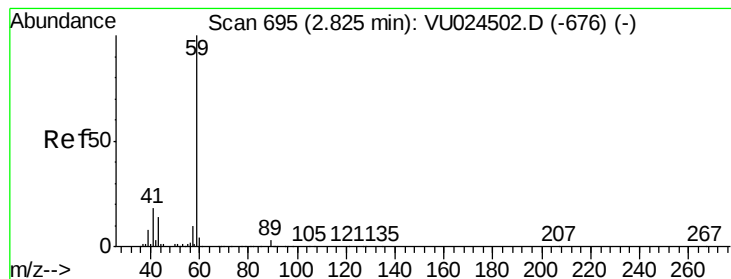


Abundance Ion 141.80 (141.50 to 142.50): V

Ion 126.80 (126.50 to 127.50): V

Ion 140.80 (140.50 to 141.50): V



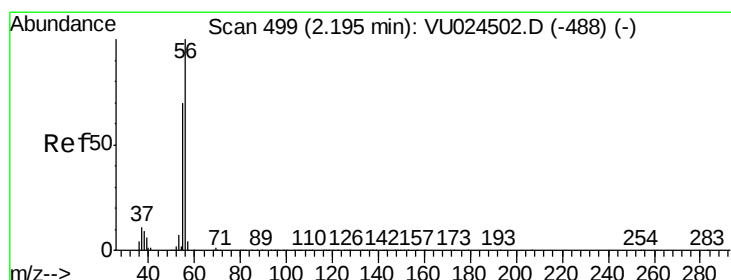
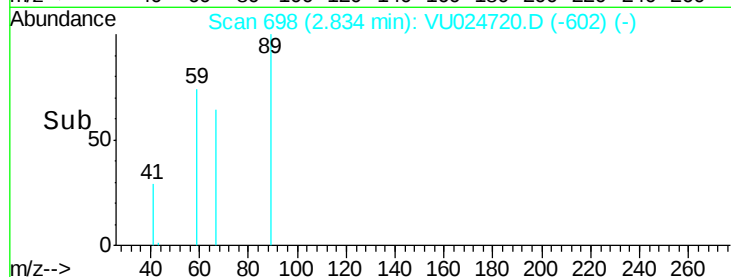
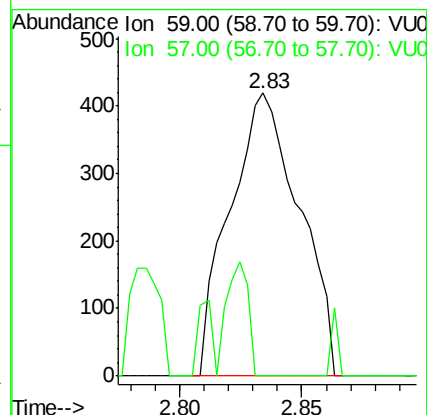
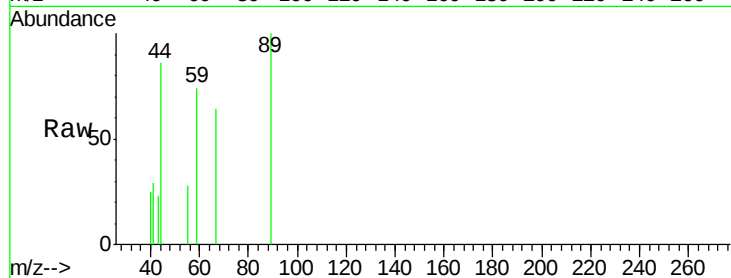


#11

Tert butyl alcohol
 Concen: 1.130 ug/l
 RT: 2.83 min Scan# 698
 Delta R.T. 0.01 min
 Lab File: VU024720.D
 Acq: 19 Jun 2018 03:56

Instrument :
 MSVOA_U
 ClientSampleId :
 KY037MW097-180613

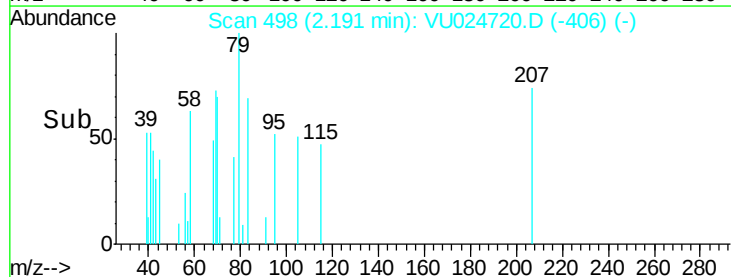
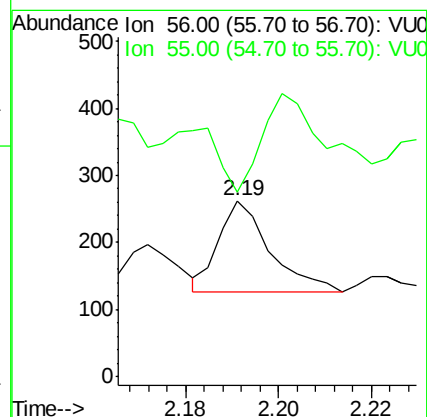
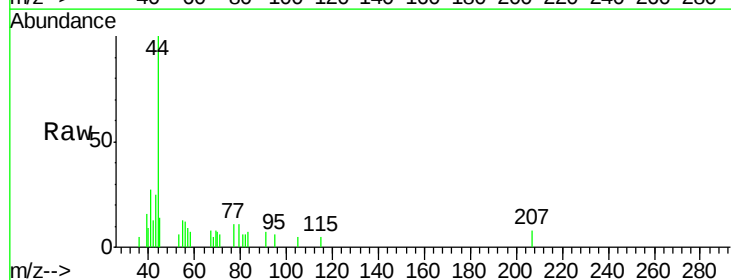
Tgt Ion: 59 Resp: 827
 Ion Ratio Lower Upper
 59 100
 57 12.8 8.5 12.7#



#13

Acrolein
 Concen: 0.273 ug/l
 RT: 2.19 min Scan# 498
 Delta R.T. -0.00 min
 Lab File: VU024720.D
 Acq: 19 Jun 2018 03:56

Tgt Ion: 56 Resp: 105
 Ion Ratio Lower Upper
 56 100
 55 138.1 58.4 87.6#





#16

Acetone

Concen: 0.788 ug/l

RT: 2.32 min Scan# 538

Delta R.T. -0.00 min

Lab File: VU024720.D

Acq: 19 Jun 2018 03:56

Instrument :

MSVOA_U

ClientSampleId :

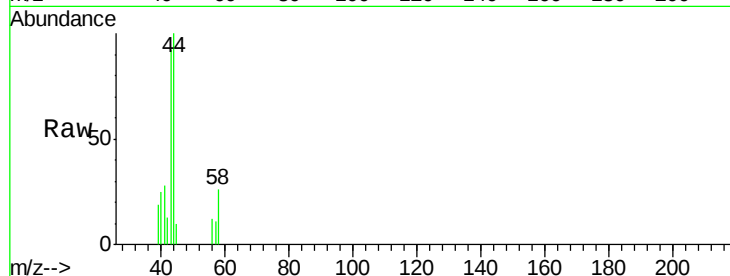
KY037MW097-180613

Tgt Ion: 43 Resp: 1275

Ion Ratio Lower Upper

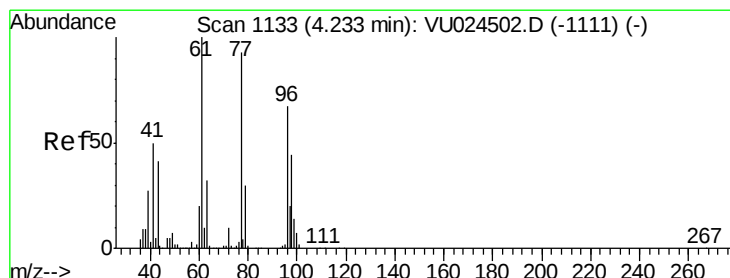
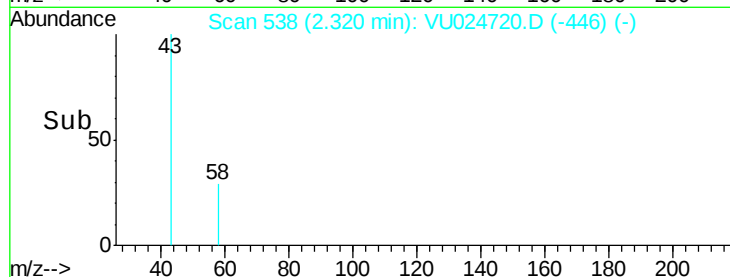
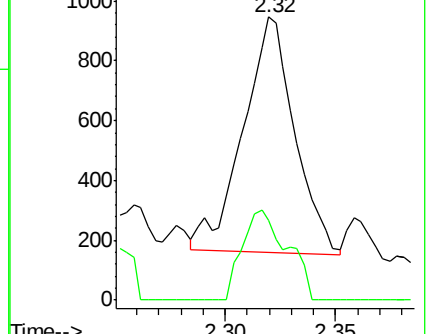
43 100

58 34.4 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: 1.946 ug/l

RT: 4.23 min Scan# 1133

Delta R.T. -0.00 min

Lab File: VU024720.D

Acq: 19 Jun 2018 03:56

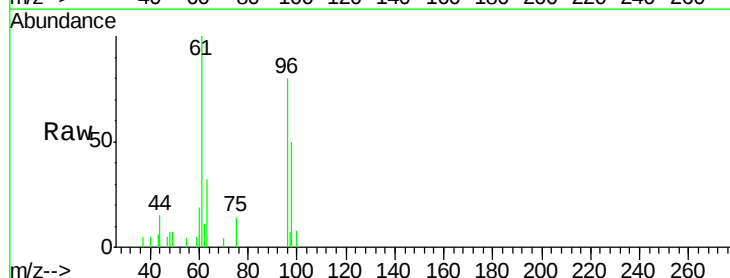
Tgt Ion: 96 Resp: 5172

Ion Ratio Lower Upper

96 100

61 123.3 0.0 306.6

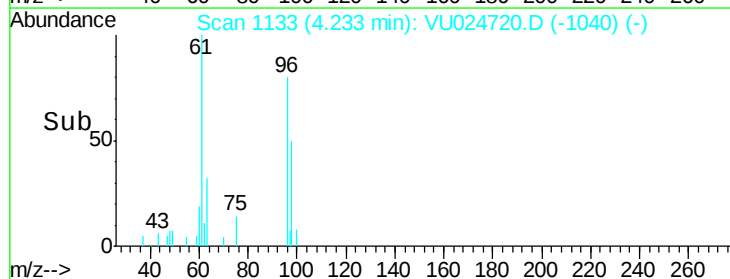
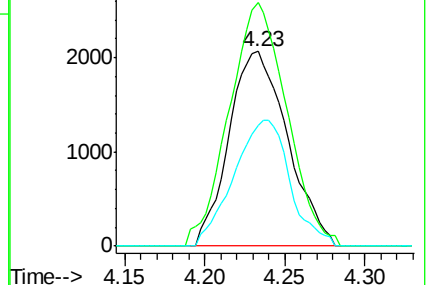
98 62.1 0.0 128.8

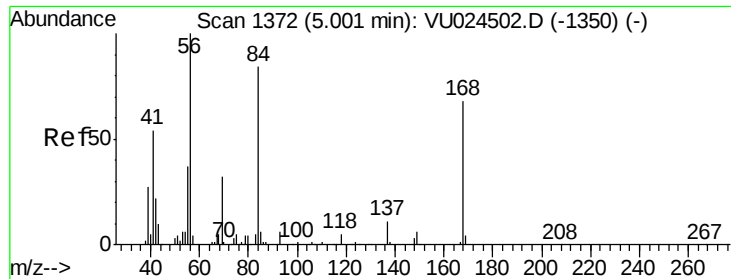


Abundance Ion 95.90 (95.60 to 96.60): VU0

Ion 60.90 (60.60 to 61.60): VU0

Ion 97.90 (97.60 to 98.60): VU0

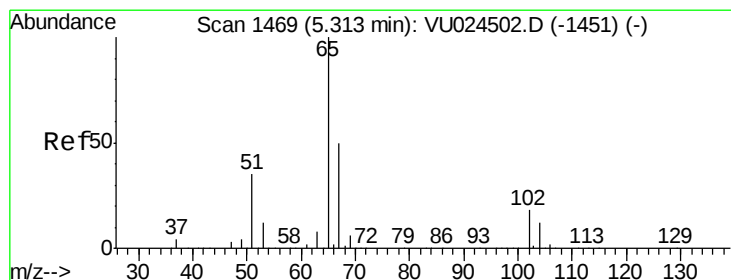
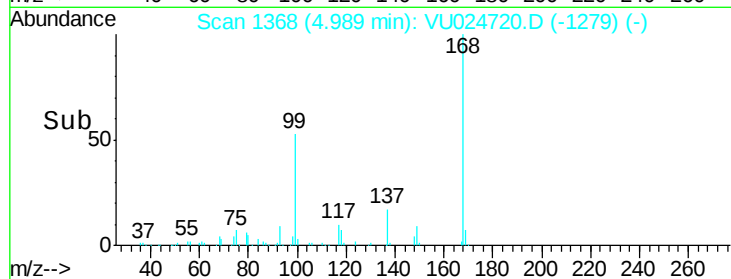
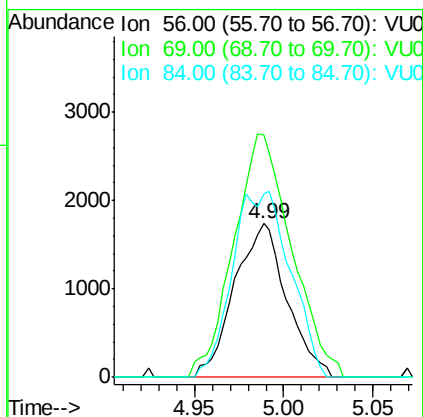
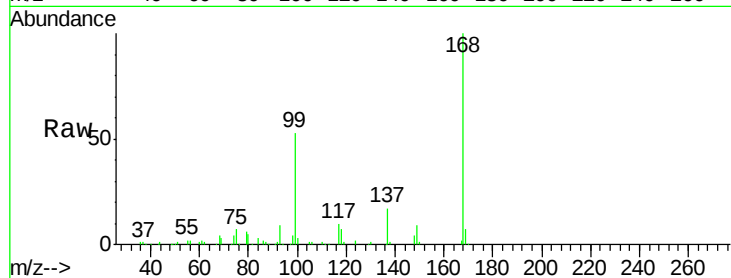




#31
Cyclohexane
Concen: Below Cal
RT: 4.99 min Scan# 1368
Delta R.T. -0.01 min
Lab File: VU024720.D
Acq: 19 Jun 2018 03:56

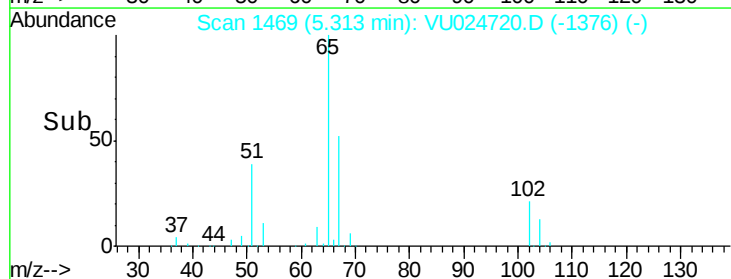
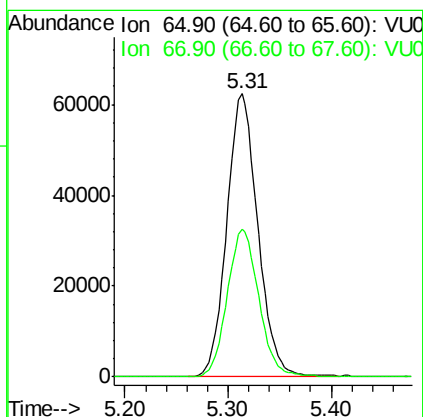
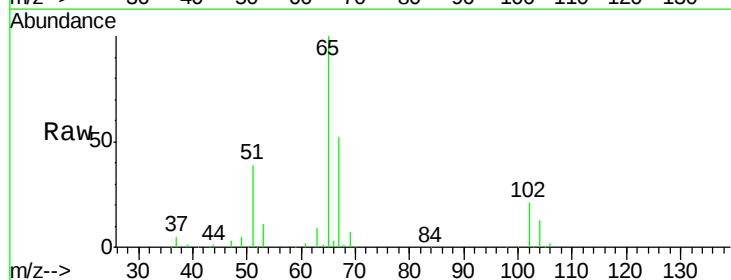
Instrument :
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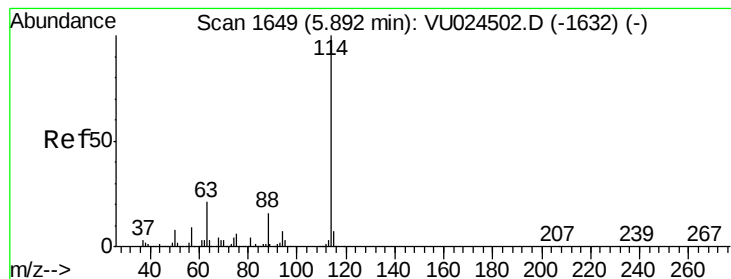
Tgt Ion: 56 Resp: 3548
Ion Ratio Lower Upper
56 100
69 158.0 24.8 37.2#
84 119.3 65.2 97.8#



#33
1,2-Dichloroethane-d4
Concen: 43.533 ug/l
RT: 5.31 min Scan# 1469
Delta R.T. -0.00 min
Lab File: VU024720.D
Acq: 19 Jun 2018 03:56

Tgt Ion: 65 Resp: 131028
Ion Ratio Lower Upper
65 100
67 53.1 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: VU024720.D

Acq: 19 Jun 2018 03:56

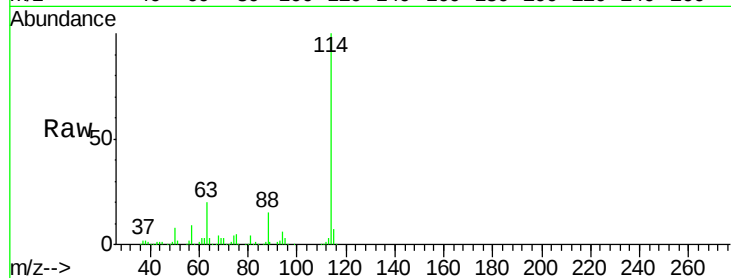
Instrument :

MSVOA_U

ClientSampleId :

KY037MW097-180613

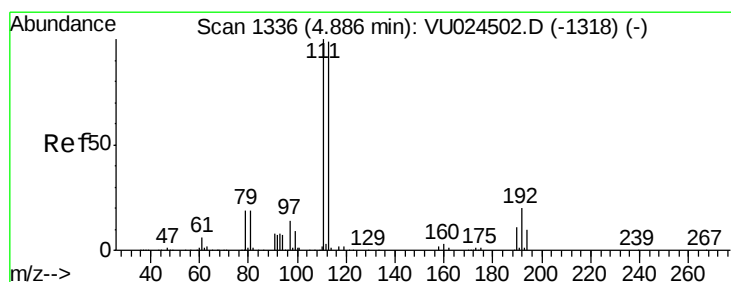
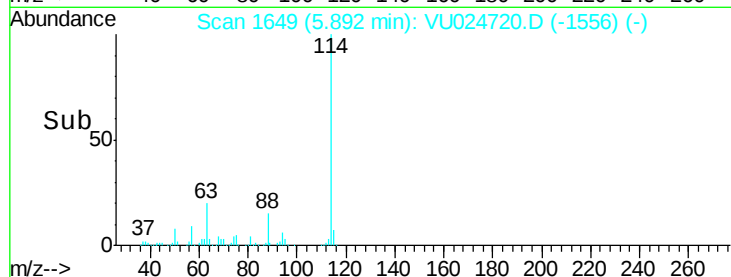
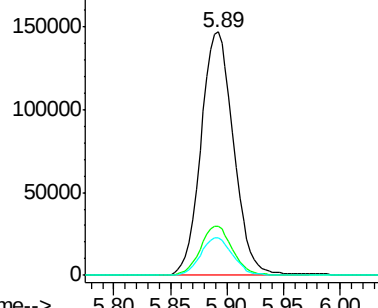
Tgt Ion:	114	Resp:	295127
Ion	Ratio	Lower	Upper
114	100		
63	20.1	0.0	45.4
88	15.4	0.0	31.0



Abundance Ion 113.90 (113.60 to 114.60): V

Ion 63.00 (62.70 to 63.70): VU0

Ion 87.90 (87.60 to 88.60): VU0



#35

Dibromofluoromethane

Concen: 47.266 ug/l

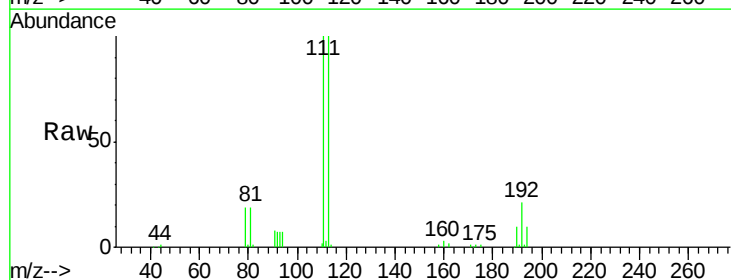
RT: 4.89 min Scan# 1337

Delta R.T. 0.00 min

Lab File: VU024720.D

Acq: 19 Jun 2018 03:56

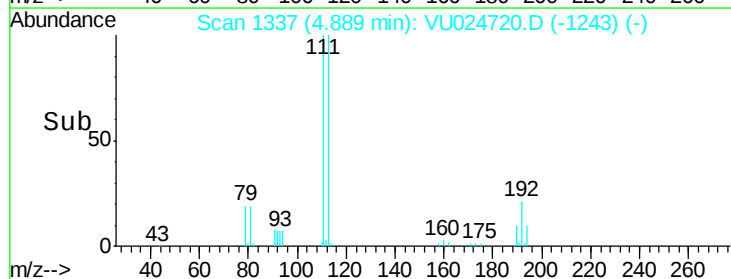
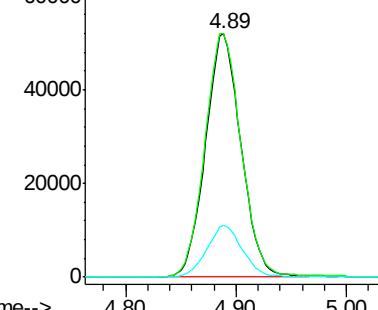
Tgt Ion:	113	Resp:	115771
Ion	Ratio	Lower	Upper
113	100		
111	102.5	82.2	123.4
192	21.3	16.2	24.4

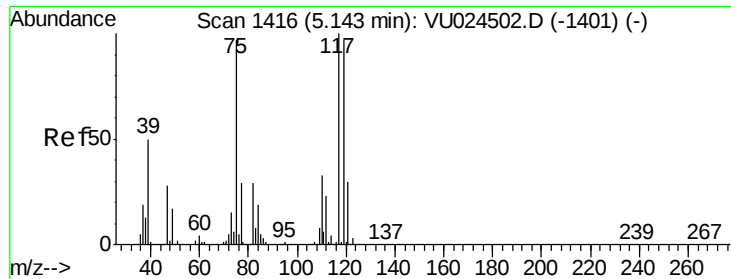


Abundance Ion 112.80 (112.50 to 113.50): V

Ion 110.80 (110.50 to 111.50): V

Ion 191.70 (191.40 to 192.40): V





#36

1,1-Dichloropropene

Concen: 3.799 ug/l

RT: 4.99 min Scan# 1367

Delta R.T. -0.16 min

Lab File: VU024720.D

Acq: 19 Jun 2018 03:56

Instrument :

MSVOA_U

ClientSampleId :

KY037MW097-180613

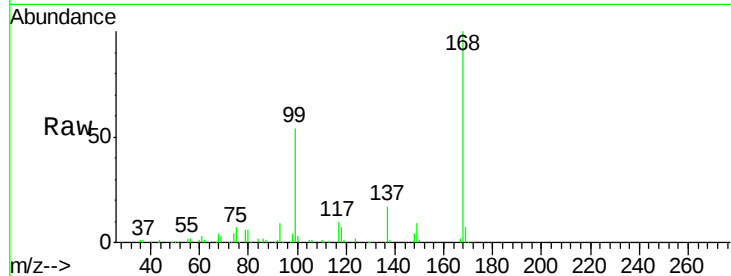
Tgt Ion: 75 Resp: 13176

Ion Ratio Lower Upper

75 100

110 8.7 17.0 50.9#

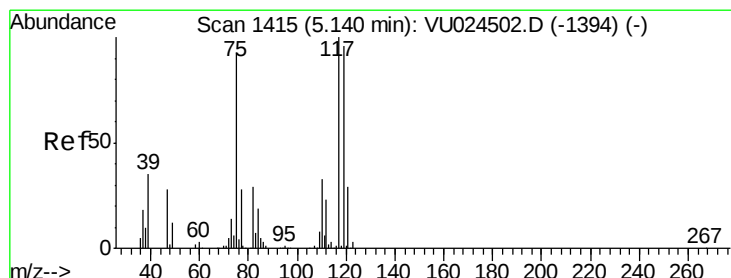
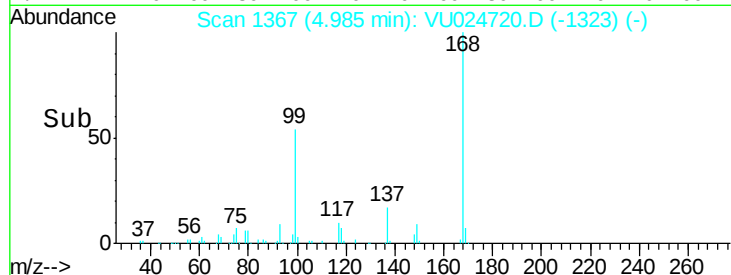
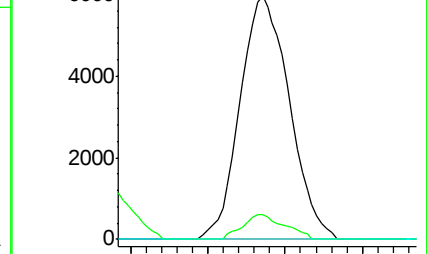
77 0.0 24.2 36.4#



Abundance Ion 74.90 (74.60 to 75.60): VU024720.D (-1367) (-)

Ion 109.90 (109.60 to 110.60): VU024720.D (-1367) (-)

Ion 76.90 (76.60 to 77.60): VU024720.D (-1367) (-)



#38

Carbon Tetrachloride

Concen: 4.545 ug/l

RT: 4.99 min Scan# 1368

Delta R.T. -0.15 min

Lab File: VU024720.D

Acq: 19 Jun 2018 03:56

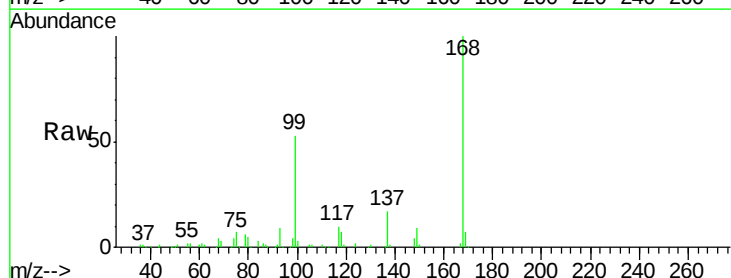
Tgt Ion: 117 Resp: 17332

Ion Ratio Lower Upper

117 100

119 5.5 76.1 114.1#

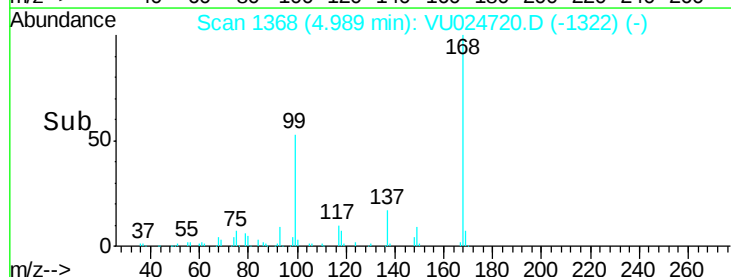
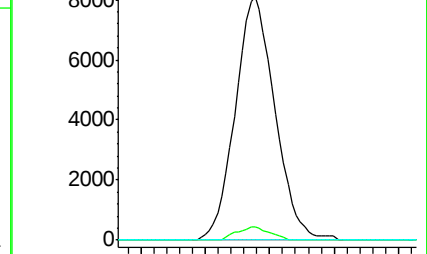
121 0.0 23.7 35.5#

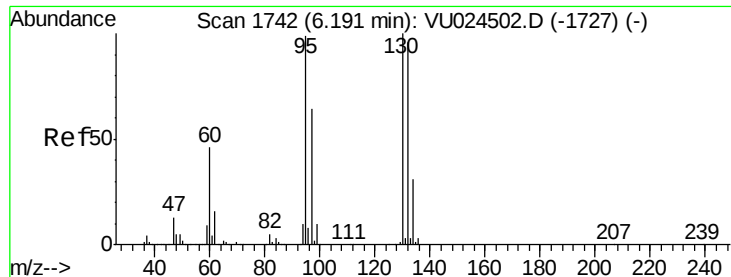


Abundance Ion 116.80 (116.50 to 117.50): VU024720.D (-1368) (-)

Ion 118.80 (118.50 to 119.50): VU024720.D (-1368) (-)

Ion 120.80 (120.50 to 121.50): VU024720.D (-1368) (-)





#44

Trichloroethene

Concen: 0.298 ug/l

RT: 6.19 min Scan# 1742

Delta R.T. -0.00 min

Lab File: VU024720.D

Acq: 19 Jun 2018 03:56

Instrument :

MSVOA_U

ClientSampleId :

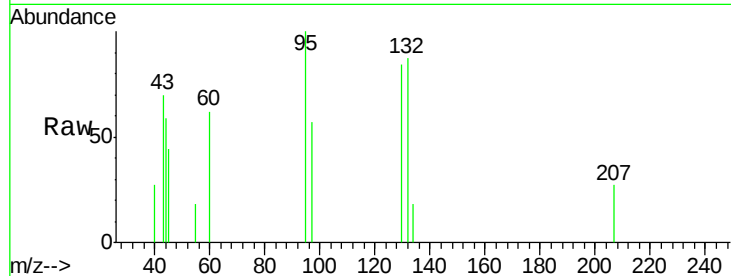
KY037MW097-180613

Tgt Ion:130 Resp: 837

Ion Ratio Lower Upper

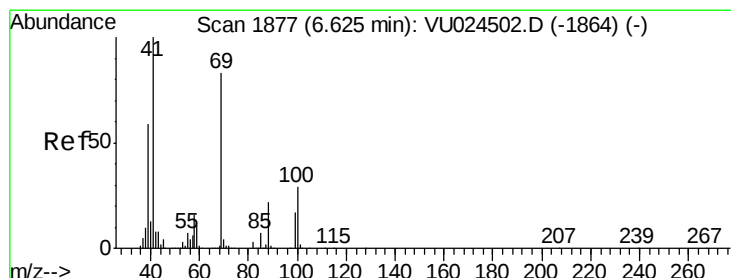
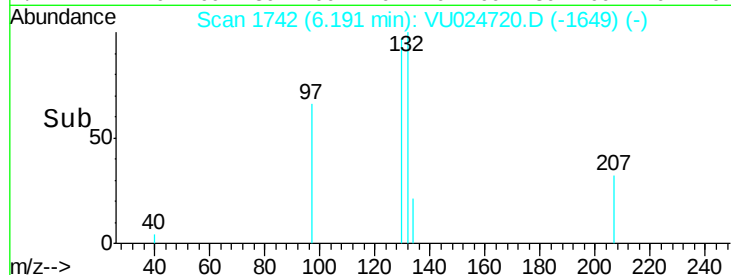
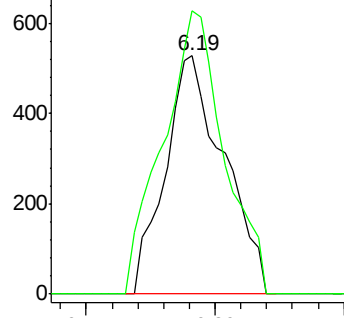
130 100

95 119.0 0.0 202.4



Abundance Ion 129.80 (129.50 to 130.50): V

Ion 94.90 (94.60 to 95.60): VU0



#48

Methyl methacrylate

Concen: 0.217 ug/l

RT: 6.64 min Scan# 1882

Delta R.T. 0.02 min

Lab File: VU024720.D

Acq: 19 Jun 2018 03:56

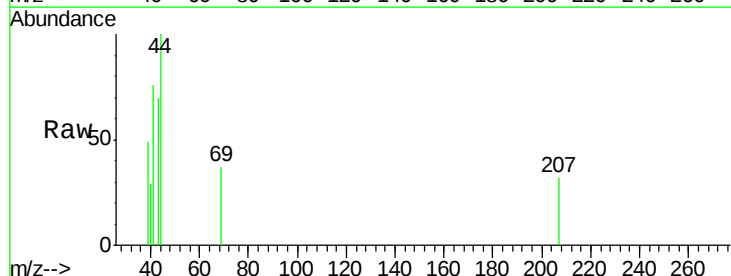
Tgt Ion: 41 Resp: 690

Ion Ratio Lower Upper

41 100

69 21.3 67.3 100.9#

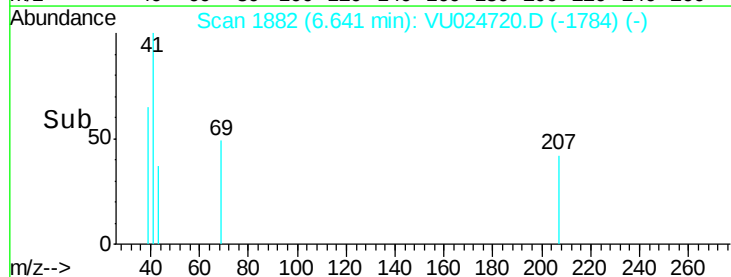
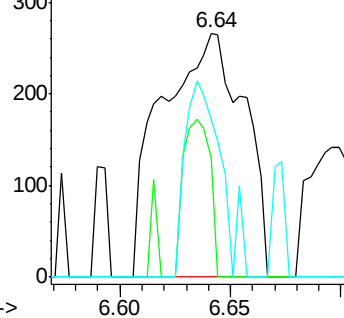
39 35.4 46.5 69.7#

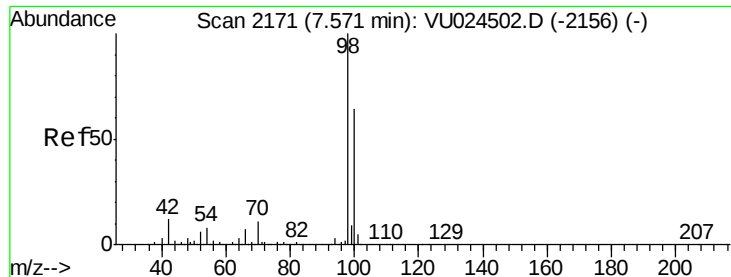


Abundance Ion 41.00 (40.70 to 41.70): VU0

Ion 69.00 (68.70 to 69.70): VU0

Ion 39.00 (38.70 to 39.70): VU0





#50

Toluene-d8

Concen: 47.981 ug/l

RT: 7.57 min Scan# 2171

Delta R.T. -0.00 min

Lab File: VU024720.D

Acq: 19 Jun 2018 03:56

Instrument :

MSVOA_U

ClientSampleId :

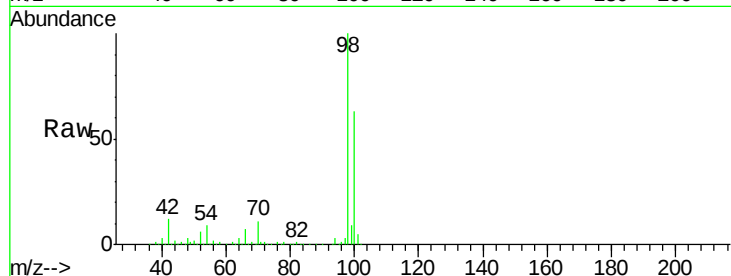
KY037MW097-180613

Tgt Ion: 98 Resp: 428671

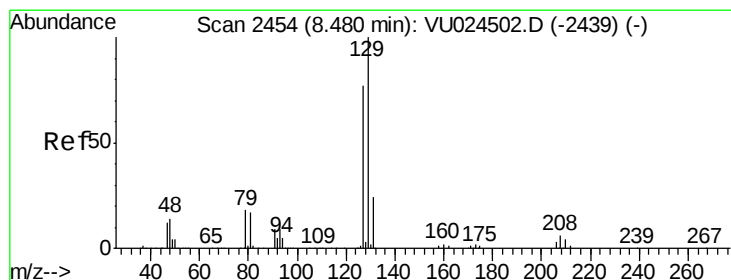
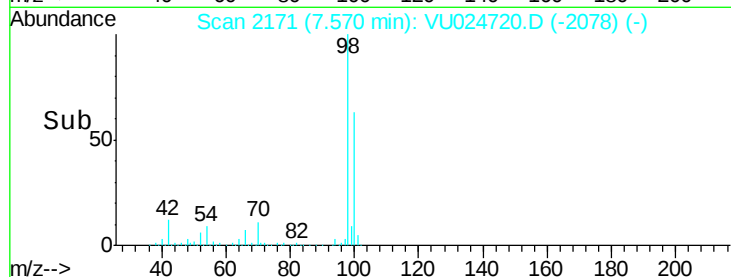
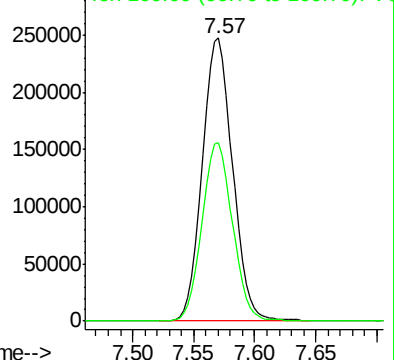
Ion Ratio Lower Upper

98 100

100 63.7 51.1 76.7



Abundance Ion 98.00 (97.70 to 98.70): VU024720.D (-2078) (-)



#60

Dibromochloromethane

Concen: 0.903 ug/l

RT: 8.23 min Scan# 2377

Delta R.T. -0.25 min

Lab File: VU024720.D

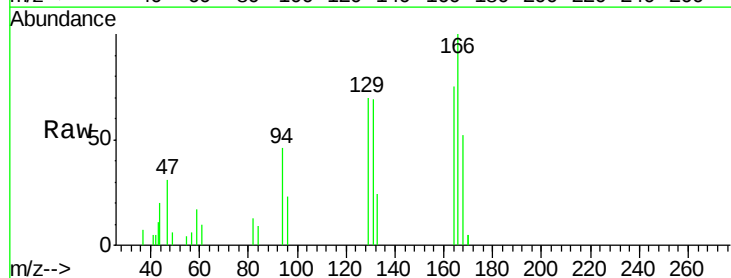
Acq: 19 Jun 2018 03:56

Tgt Ion: 129 Resp: 2910

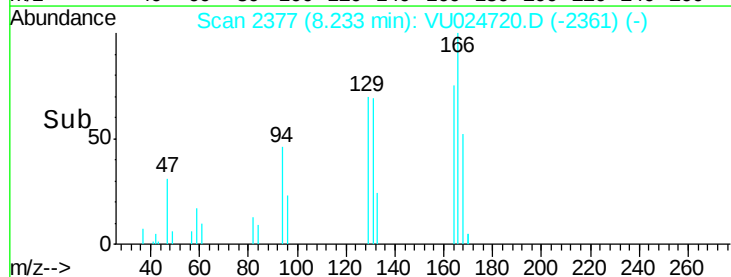
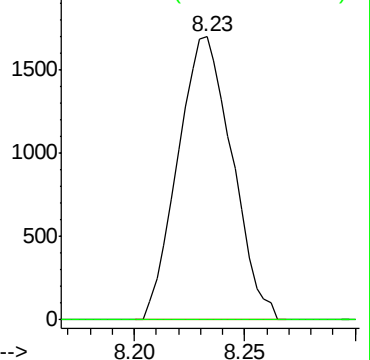
Ion Ratio Lower Upper

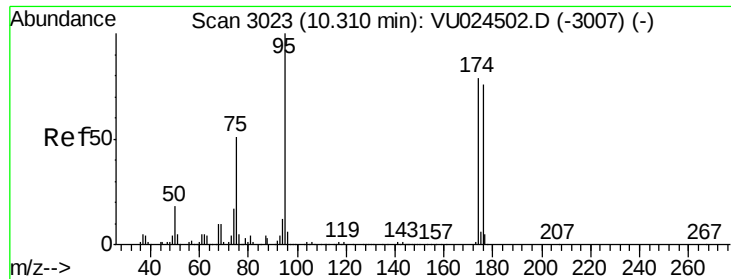
129 100

127 0.0 38.6 116.0#



Abundance Ion 128.80 (128.50 to 129.50): VU024720.D (-2361) (-)





#62

4-Bromofluorobenzene

Concen: 43.231 ug/l

RT: 10.31 min Scan# 3023

Delta R.T. -0.00 min

Lab File: VU024720.D

Acq: 19 Jun 2018 03:56

Instrument :

MSVOA_U

ClientSampleId :

KY037MW097-180613

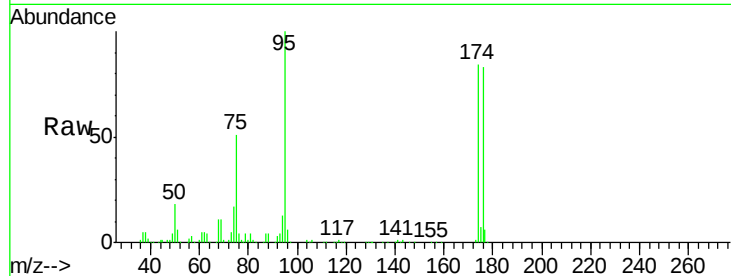
Tgt Ion: 95 Resp: 153351

Ion Ratio Lower Upper

95 100

174 86.8 0.0 165.8

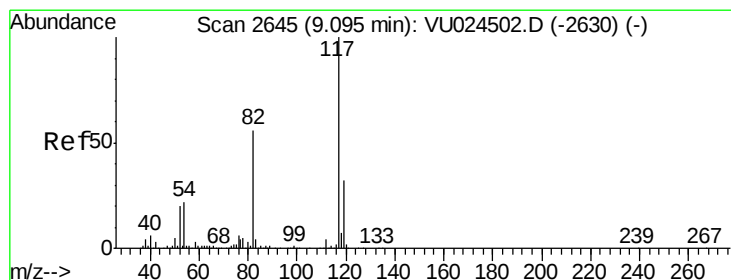
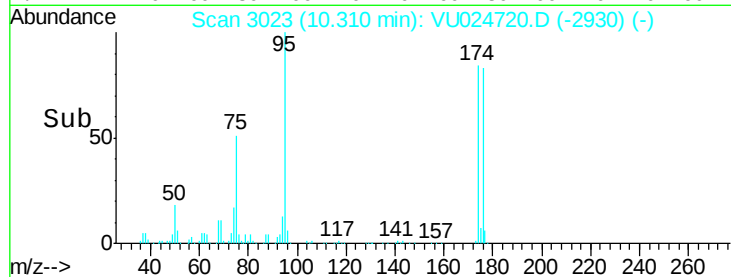
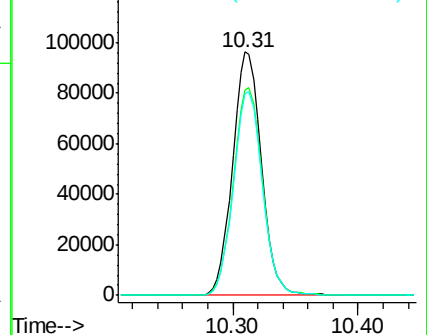
176 84.3 0.0 159.4



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: VU024720.D

Acq: 19 Jun 2018 03:56

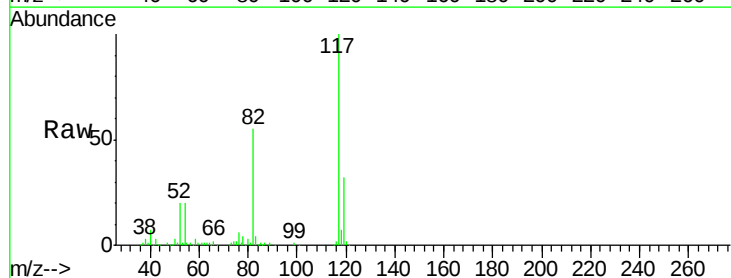
Tgt Ion: 117 Resp: 273075

Ion Ratio Lower Upper

117 100

82 54.8 44.3 66.5

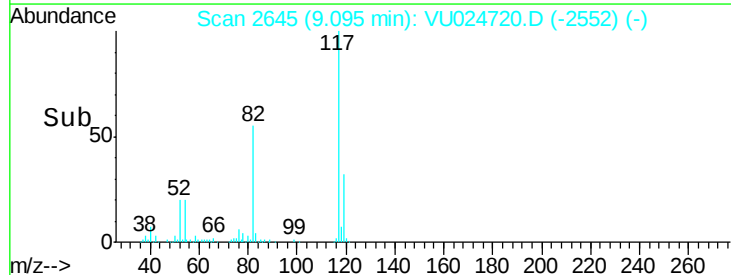
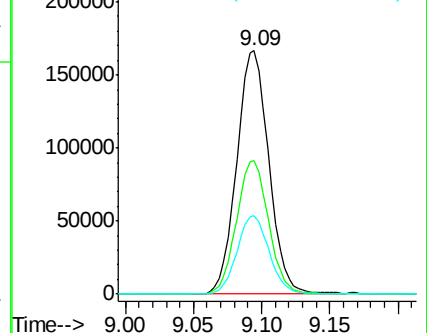
119 32.2 25.4 38.2

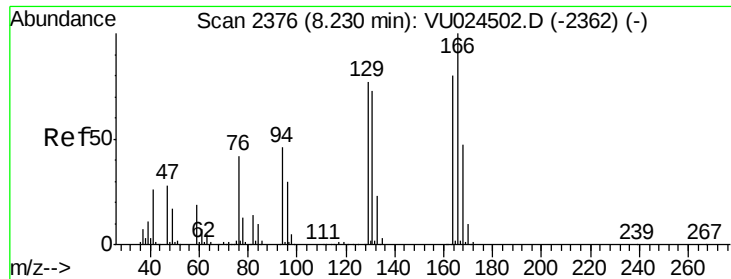


Abundance Ion 116.90 (116.60 to 117.60): V

Ion 82.00 (81.70 to 82.70): VU0

Ion 118.90 (118.60 to 119.60): V





#64

Tetrachloroethene

Concen: 1.156 ug/l

RT: 8.23 min Scan# 2377

Delta R.T. 0.00 min

Lab File: VU024720.D

Acq: 19 Jun 2018 03:56

Instrument :

MSVOA_U

ClientSampleId :

KY037MW097-180613

Tgt Ion:164 Resp: 3000

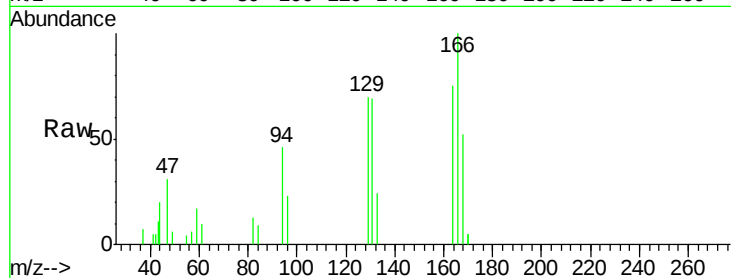
Ion Ratio Lower Upper

164 100

166 133.6 101.7 152.5

129 93.8 76.9 115.3

131 92.5 74.9 112.3

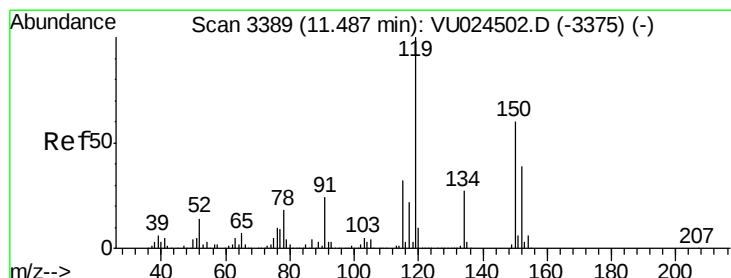
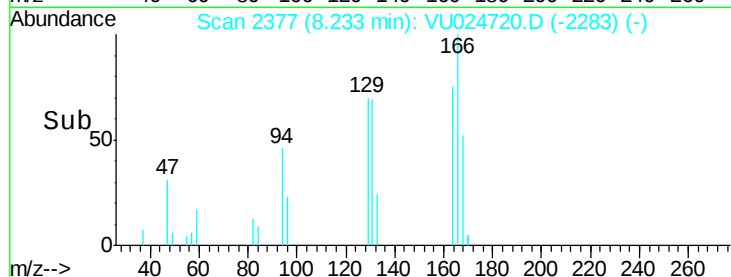
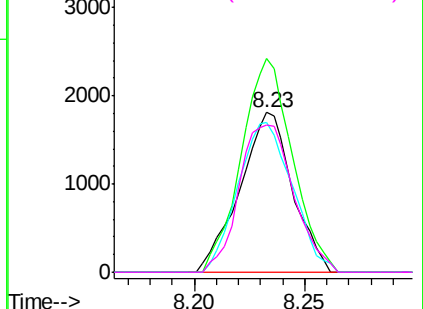


Abundance Ion 163.80 (163.50 to 164.50): V

Ion 165.80 (165.50 to 166.50): V

Ion 128.80 (128.50 to 129.50): V

Ion 130.80 (130.50 to 131.50): V



#72

1,4-Dichlorobenzene-d4

Concen: 50.000 ug/l

RT: 11.49 min Scan# 3389

Delta R.T. -0.00 min

Lab File: VU024720.D

Acq: 19 Jun 2018 03:56

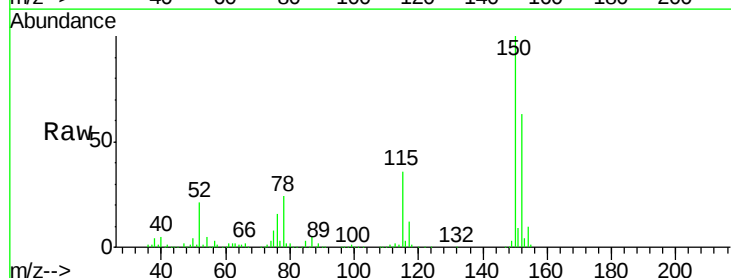
Tgt Ion:152 Resp: 146952

Ion Ratio Lower Upper

152 100

115 56.4 43.0 129.0

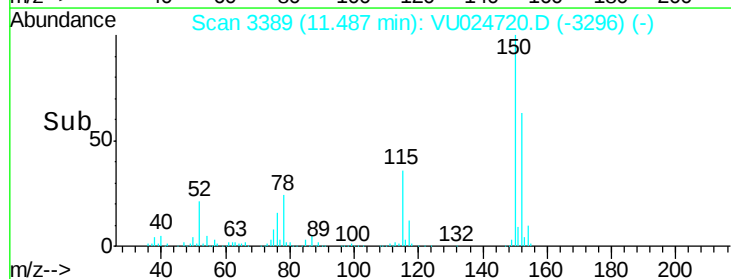
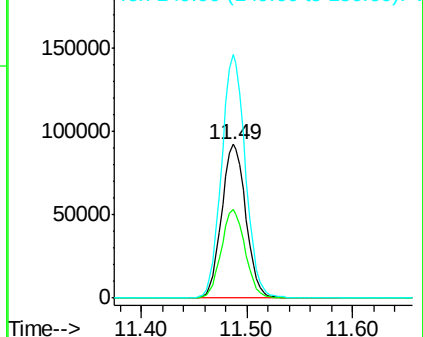
150 155.5 0.0 354.0

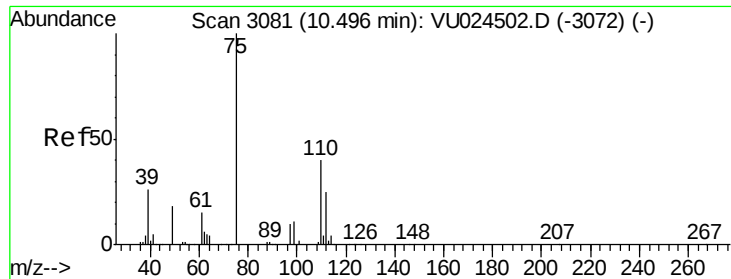


Abundance Ion 151.90 (151.60 to 152.60): V

Ion 114.90 (114.60 to 115.60): V

Ion 149.90 (149.60 to 150.60): V

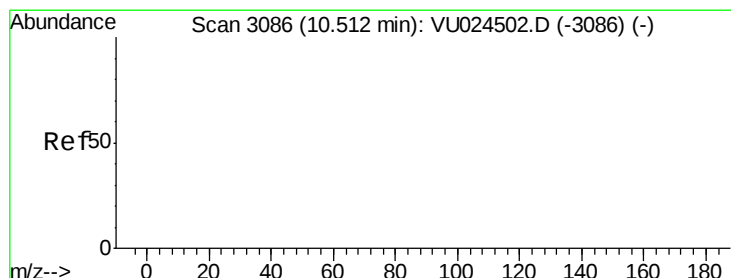
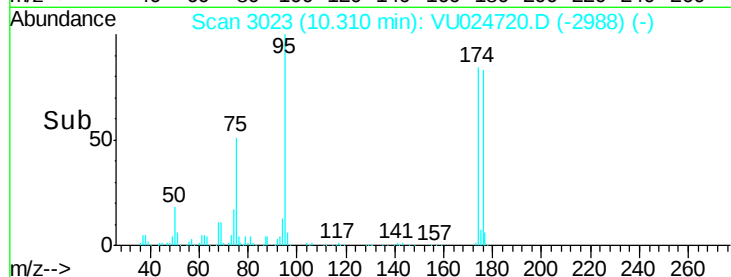
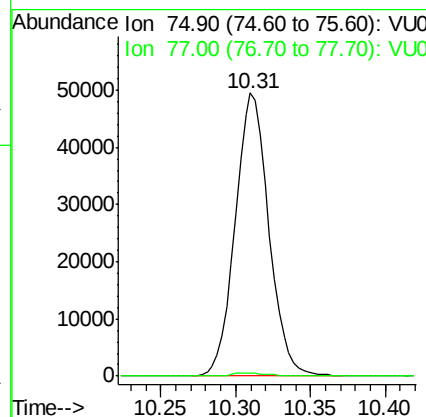
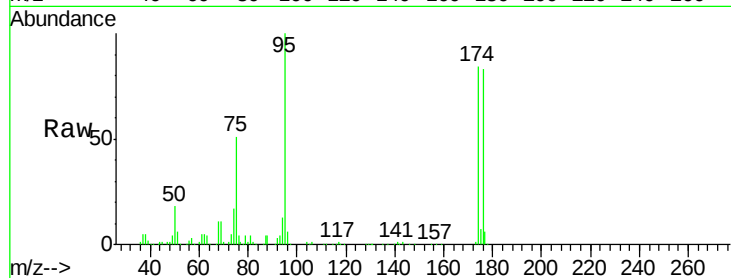




#76
 1,2,3-Trichloropropane
 Concen: 23.909 ug/l
 RT: 10.31 min Scan# 3023
 Delta R.T. -0.19 min
 Lab File: VU024720.D
 Acq: 19 Jun 2018 03:56

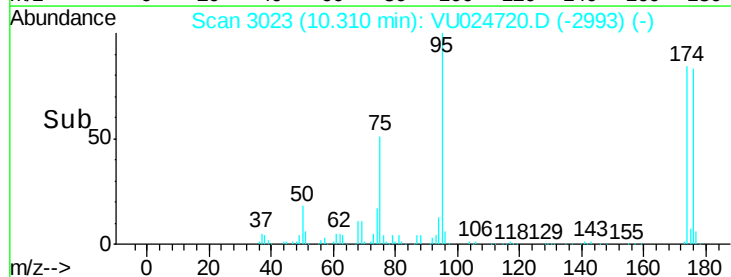
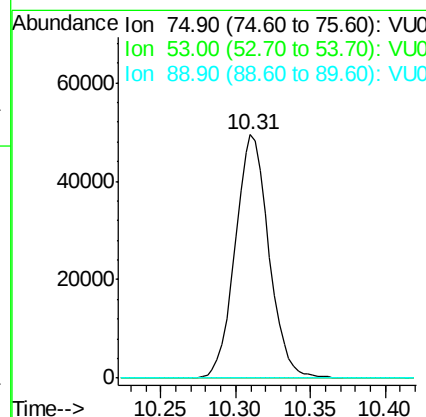
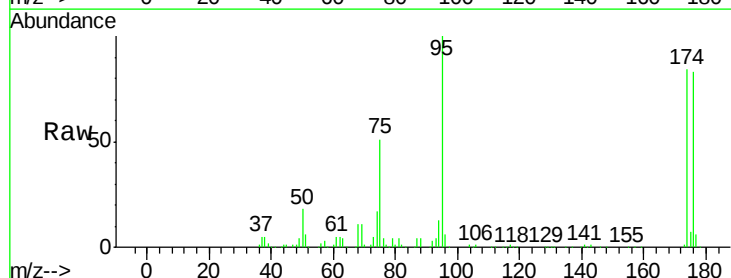
Instrument :
 MSVOA_U
 ClientSampleId :
 KY037MW097-180613

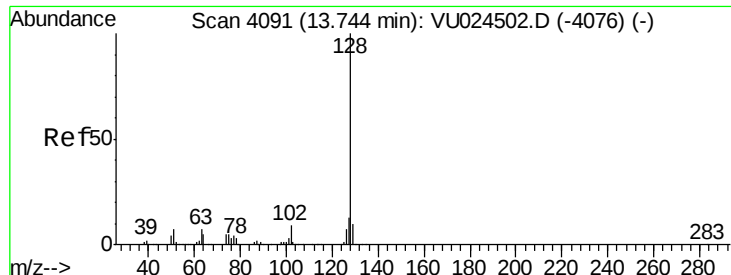
Tgt Ion: 75 Resp: 77353
 Ion Ratio Lower Upper
 75 100
 77 1.2 20.9 62.7#



#81
 trans-1,4-Dichloro-2-butene
 Concen: 55.335 ug/l
 RT: 10.31 min Scan# 3023
 Delta R.T. -0.20 min
 Lab File: VU024720.D
 Acq: 19 Jun 2018 03:56

Tgt Ion: 75 Resp: 77353
 Ion Ratio Lower Upper
 75 100
 53 0.0 0.0 0.0
 89 0.0 0.0 0.0





#95

Naphthalene

Concen: 0.685 ug/l

RT: 13.77 min Scan# 4098

Delta R.T. 0.02 min

Lab File: VU024720.D

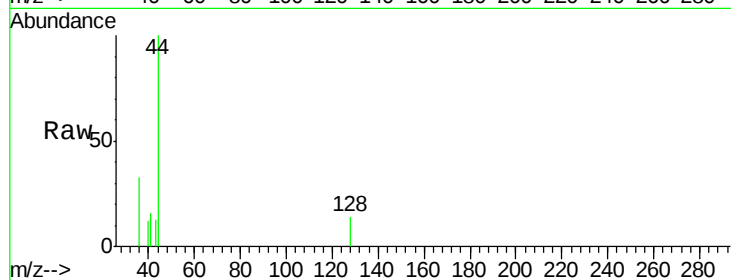
Acq: 19 Jun 2018 03:56

Instrument :

MSVOA_U

ClientSampleId :

KY037MW097-180613



Tgt Ion:	128	Resp:	68
Ion	Ratio	Lower	Upper
128	100		
127	0.0	10.6	16.0#
129	0.0	8.6	12.8#

