

Data Path : Z:\VOASRV\HPCHEM1\MSVOA_U\DATA\VU061818\
 Data File : VU024729.D
 Acq On : 19 Jun 2018 07:33
 Operator : MD/SY
 Sample : J3535-18
 Misc : 5.0mL/MSVOA_U/WATER
 ALS Vial : 54 Sample Multiplier: 1

Instrument :
 MSVOA_U
 ClientSampleId :
 SS036MW015-180614

Quant Time: Jun 19 08:28:20 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

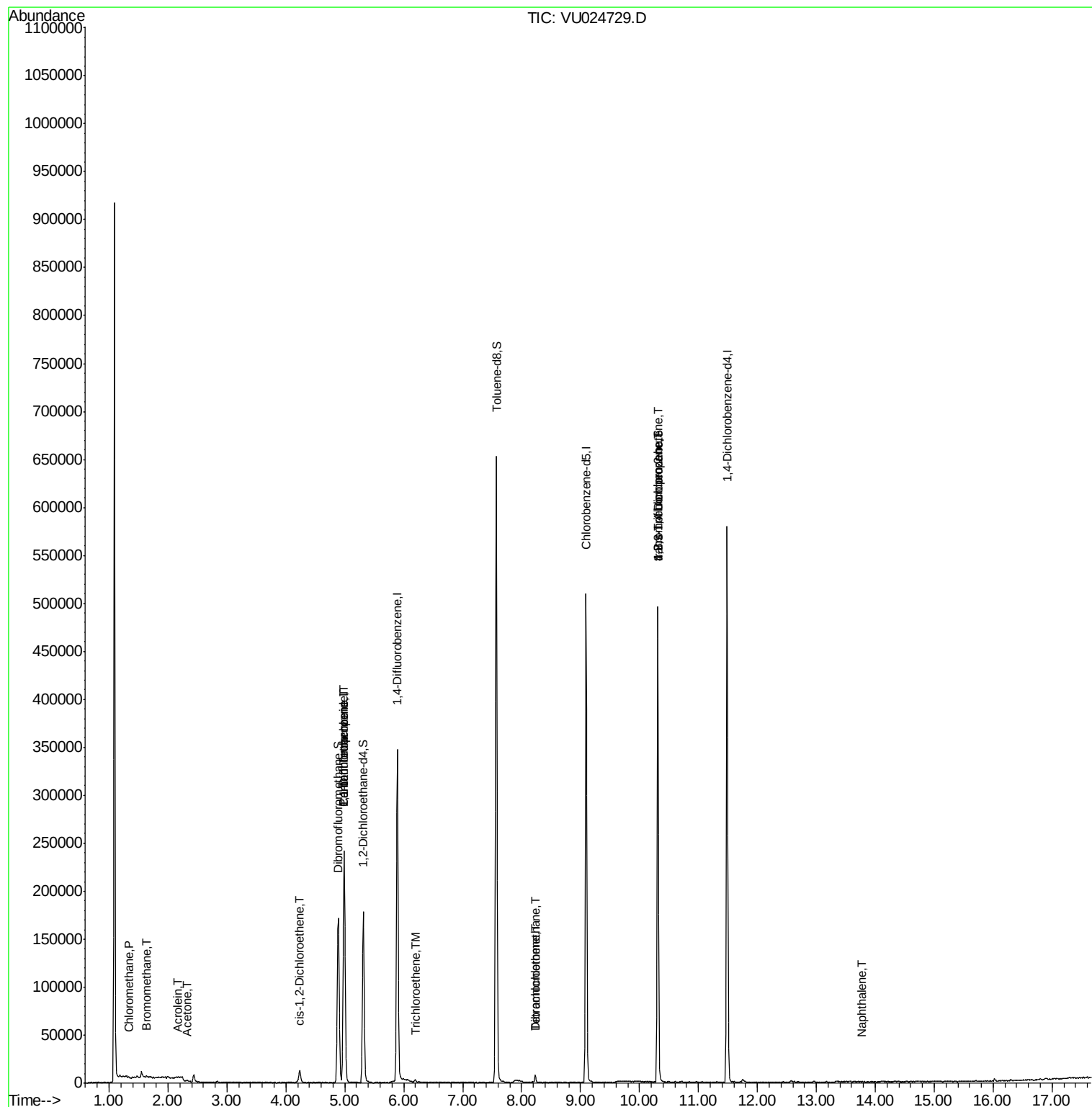
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	4.99	168	194724	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	5.89	114	303196	50.00	ug/l	0.00
63) Chlorobenzene-d5	9.09	117	284492	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	11.49	152	150167	50.00	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	5.31	65	133481	41.99	ug/l	0.00
Spiked Amount 50.000			Recovery	=	83.98%	
35) Dibromofluoromethane	4.89	113	118006	46.90	ug/l	0.00
Spiked Amount 50.000			Recovery	=	93.80%	
50) Toluene-d8	7.57	98	439548	47.89	ug/l	0.00
Spiked Amount 50.000			Recovery	=	95.78%	
62) 4-Bromofluorobenzene	10.31	95	155853	42.77	ug/l	0.00
Spiked Amount 50.000			Recovery	=	85.54%	
Target Compounds						
					Qvalue	
3) Chloromethane	1.33	50	635	0.255 ug/l	#	75
5) Bromomethane	1.64	94	381	0.307 ug/l	#	73
6) Chloroethane	1.69	64	147	Below Cal	#	43
13) Acrolein	2.18	56	85	0.209 ug/l		90
16) Acetone	2.32	43	938	0.549 ug/l		92
27) cis-1,2-Dichloroethene	4.24	96	7716	2.748 ug/l		78
31) Cyclohexane	4.99	56	3770	Below Cal	#	1
36) 1,1-Dichloropropene	4.99	75	13108	3.679 ug/l	#	49
38) Carbon Tetrachloride	4.99	117	17177	4.384 ug/l	#	16
44) Trichloroethene	6.19	130	841	0.291 ug/l		88
60) Dibromochloromethane	8.24	129	1618	0.489 ug/l	#	11
64) Tetrachloroethene	8.23	164	1801	0.666 ug/l		93
76) 1,2,3-Trichloropropane	10.31	75	78598	23.773 ug/l	#	35
81) trans-1,4-Dichloro-2-buten	10.31	75	78598	55.022 ug/l	#	100
95) Naphthalene	13.77	128	41	0.683 ug/l	#	69

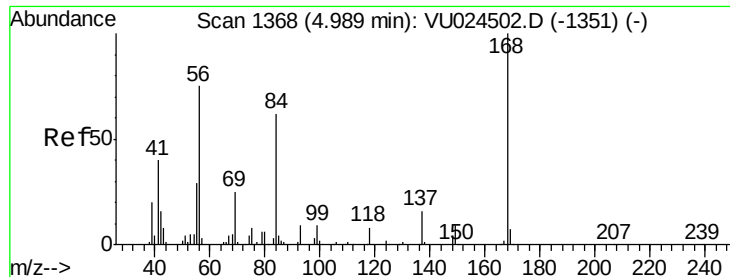
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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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: VU024729.D

Acq: 19 Jun 2018 07:33

Instrument :

MSVOA_U

ClientSampleId :

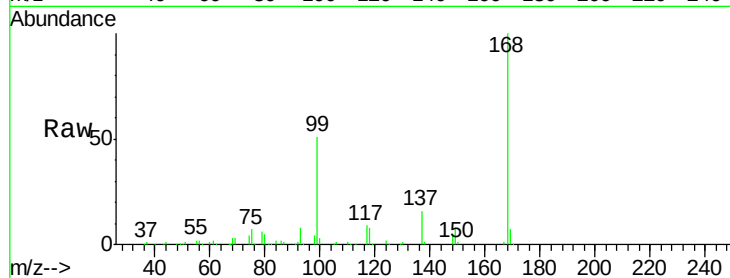
SS036MW015-180614

Tgt Ion:168 Resp: 194724

Ion Ratio Lower Upper

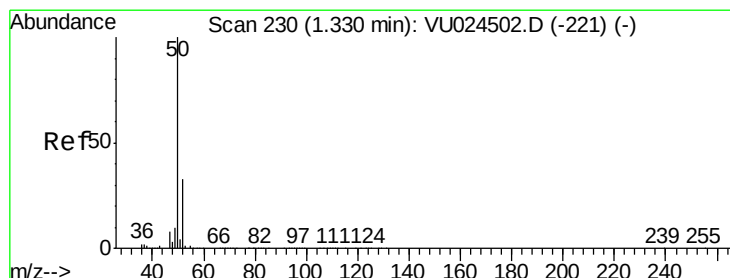
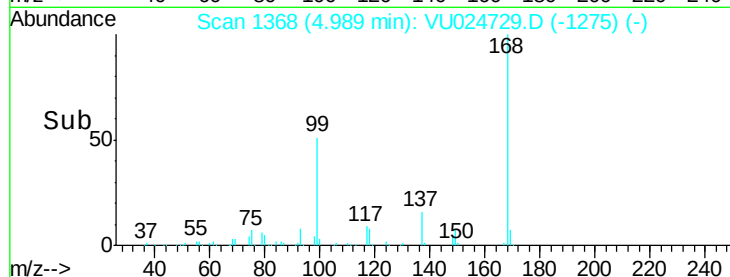
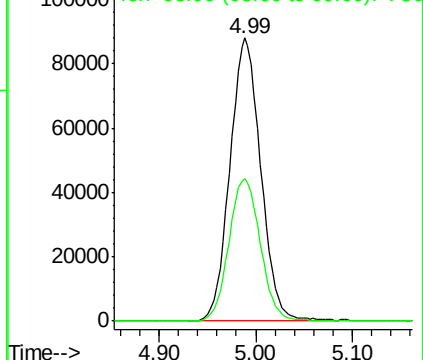
168 100

99 50.5 43.2 64.8



Abundance Ion 167.90 (167.60 to 168.60): VU024729.D (-1351) (-)

Ion 98.90 (98.60 to 99.60): VU024729.D (-1351) (-)



#3

Chloromethane

Concen: 0.255 ug/l

RT: 1.33 min Scan# 230

Delta R.T. -0.00 min

Lab File: VU024729.D

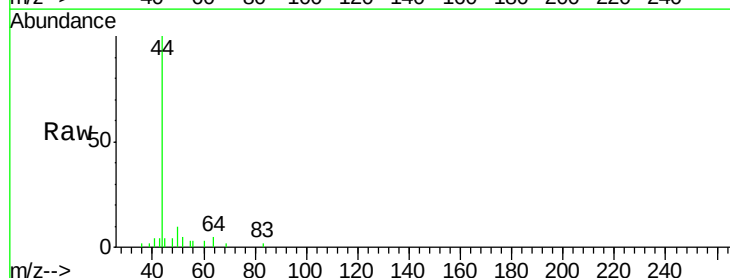
Acq: 19 Jun 2018 07:33

Tgt Ion: 50 Resp: 635

Ion Ratio Lower Upper

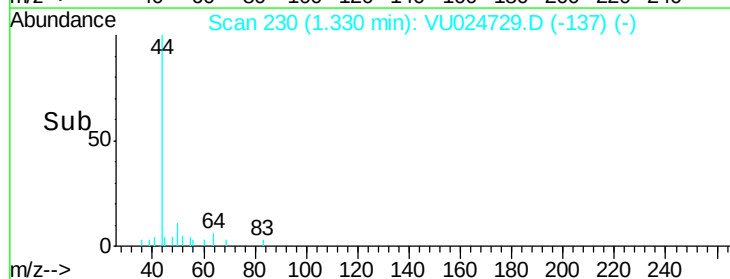
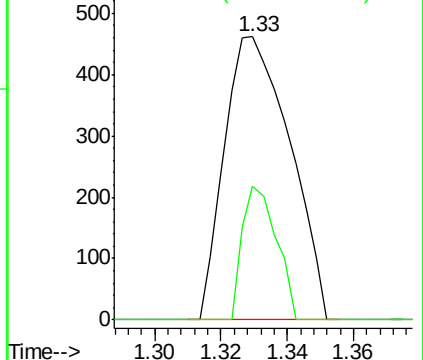
50 100

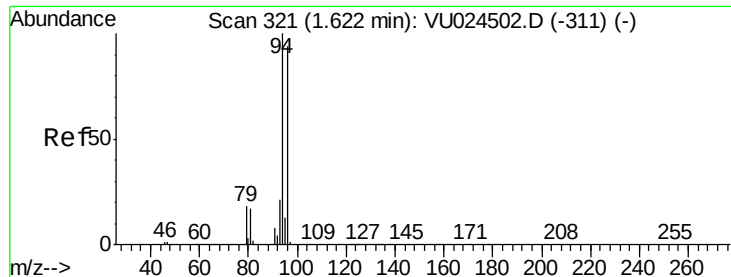
52 47.2 26.4 39.6#



Abundance Ion 49.90 (49.60 to 50.60): VU024729.D (-137) (-)

Ion 51.90 (51.60 to 52.60): VU024729.D (-137) (-)





#5

Bromomethane

Concen: 0.307 ug/l

RT: 1.64 min Scan# 325

Delta R.T. 0.01 min

Lab File: VU024729.D

Acq: 19 Jun 2018 07:33

Instrument :

MSVOA_U

ClientSampleId :

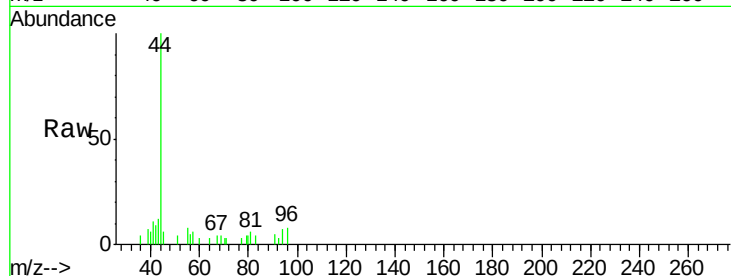
SS036MW015-180614

Tgt Ion: 94 Resp: 381

Ion Ratio Lower Upper

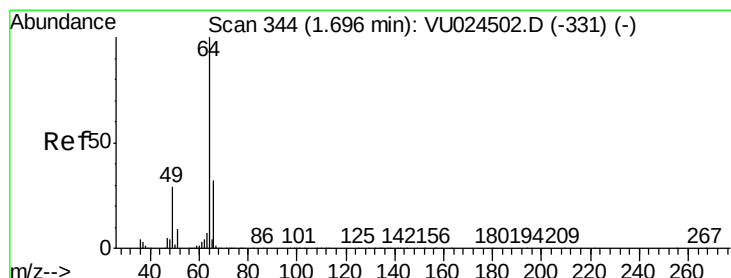
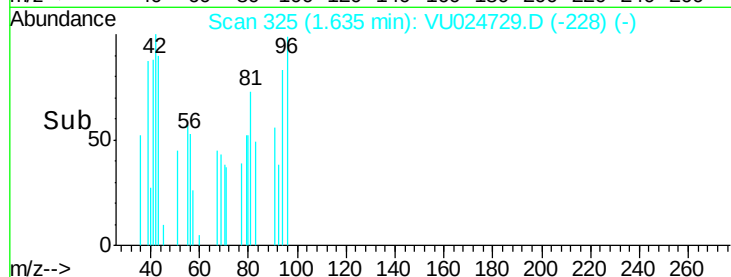
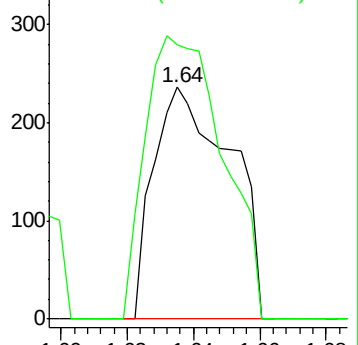
94 100

96 118.6 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# 342

Delta R.T. -0.01 min

Lab File: VU024729.D

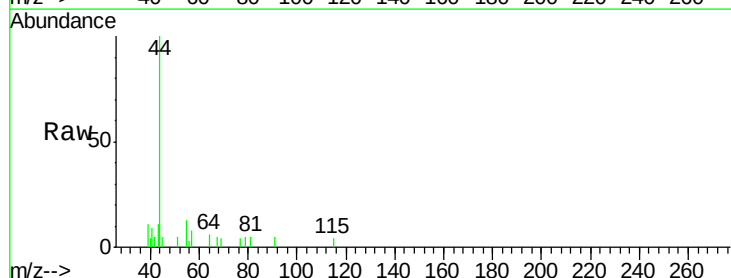
Acq: 19 Jun 2018 07:33

Tgt Ion: 64 Resp: 147

Ion Ratio Lower Upper

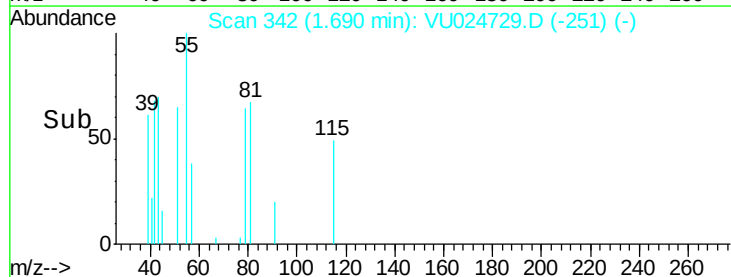
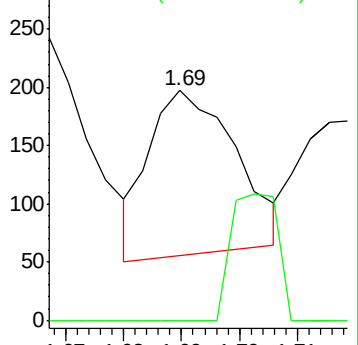
64 100

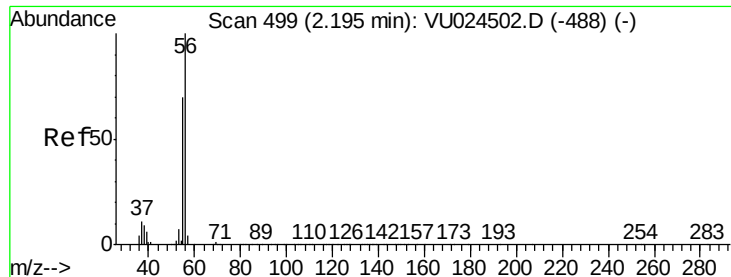
66 0.0 25.5 38.3#



Abundance Ion 63.90 (63.60 to 64.60): VU0

Ion 65.90 (65.60 to 66.60): VU0





#13

Acrolein

Concen: 0.209 ug/l

RT: 2.18 min Scan# 495

Delta R.T. -0.01 min

Lab File: VU024729.D

Acq: 19 Jun 2018 07:33

Instrument :

MSVOA_U

ClientSampleId :

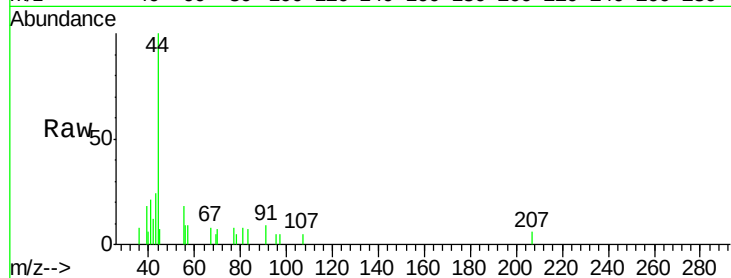
SS036MW015-180614

Tgt Ion: 56 Resp: 85

Ion Ratio Lower Upper

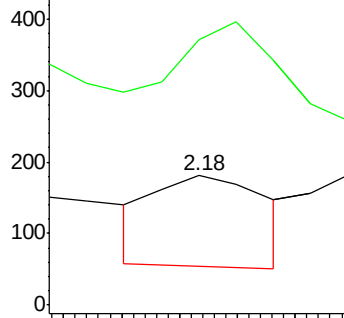
56 100

55 81.2 58.4 87.6

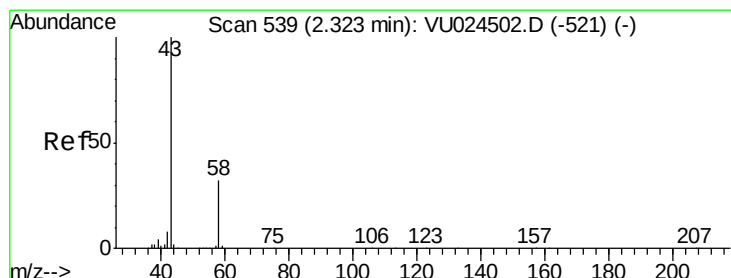
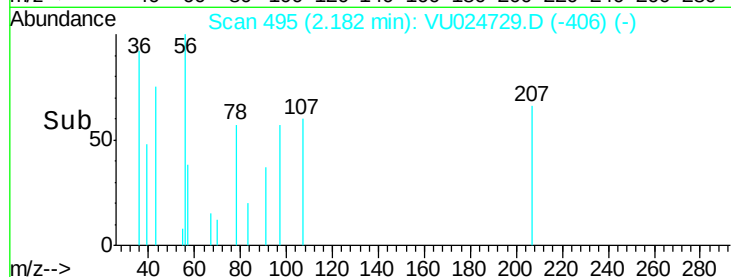


Abundance Ion 56.00 (55.70 to 56.70): VU0

Ion 55.00 (54.70 to 55.70): VU0



Time--> 2.17 2.17 2.18 2.19 2.19



#16

Acetone

Concen: 0.549 ug/l

RT: 2.32 min Scan# 538

Delta R.T. -0.00 min

Lab File: VU024729.D

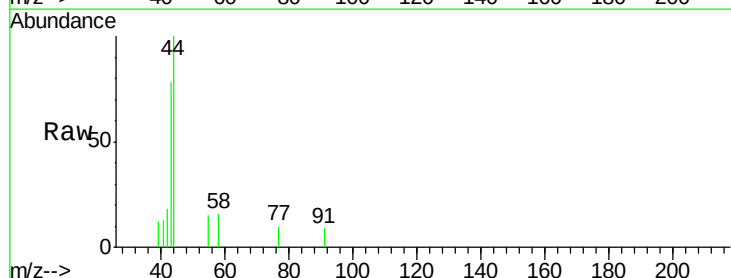
Acq: 19 Jun 2018 07:33

Tgt Ion: 43 Resp: 938

Ion Ratio Lower Upper

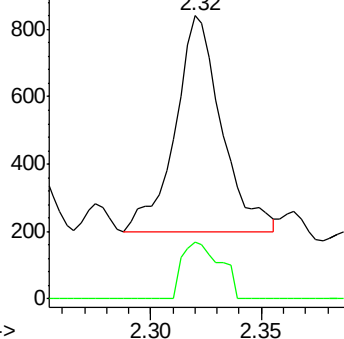
43 100

58 26.1 24.4 36.6

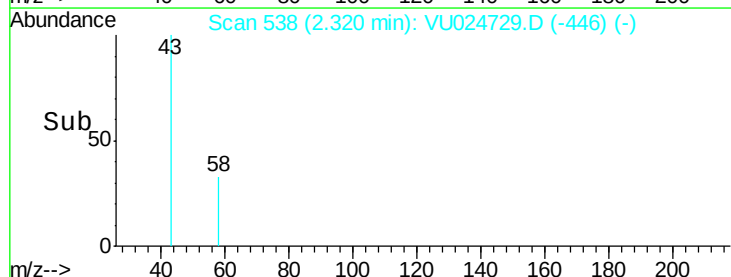


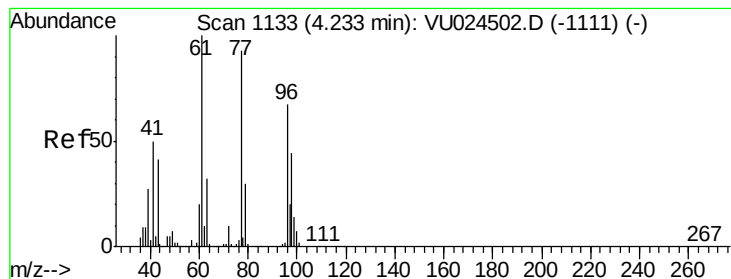
Abundance Ion 43.00 (42.70 to 43.70): VU0

Ion 58.00 (57.70 to 58.70): VU0



Time--> 2.30 2.30 2.35 2.35





#27

cis-1,2-Dichloroethene

Concen: 2.748 ug/l

RT: 4.24 min Scan# 1134

Delta R.T. 0.00 min

Lab File: VU024729.D

Acq: 19 Jun 2018 07:33

Instrument :

MSVOA_U

ClientSampleId :

SS036MW015-180614

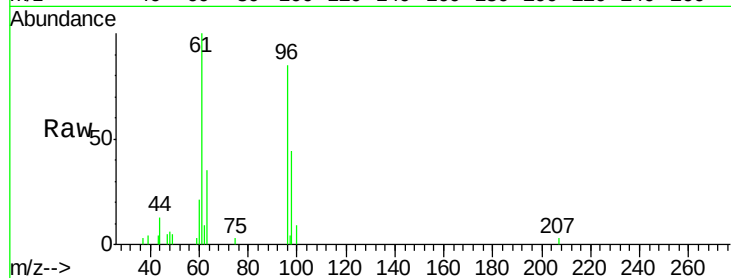
Tgt Ion: 96 Resp: 7716

Ion Ratio Lower Upper

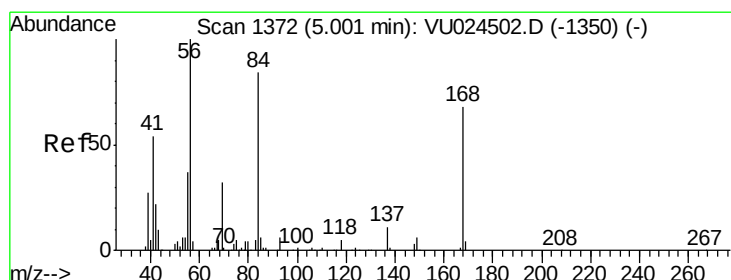
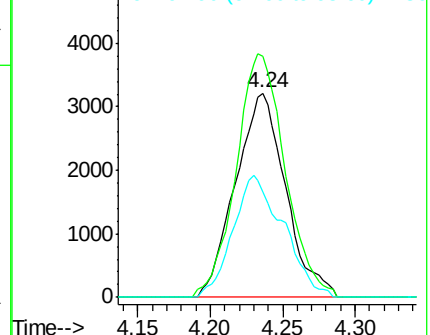
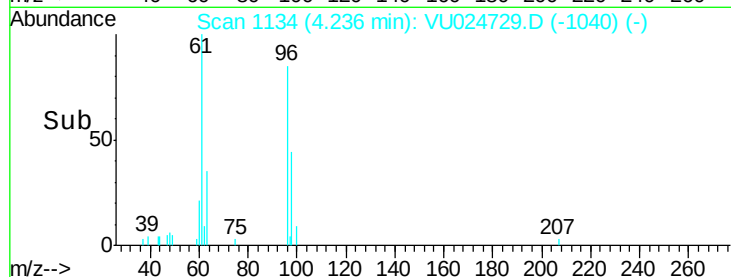
96 100

61 116.4 0.0 306.6

98 60.1 0.0 128.8



Abundance Ion 95.90 (95.60 to 96.60): VU024729.D (-1040) (-)



#31

Cyclohexane

Concen: Below Cal

RT: 4.99 min Scan# 1369

Delta R.T. -0.01 min

Lab File: VU024729.D

Acq: 19 Jun 2018 07:33

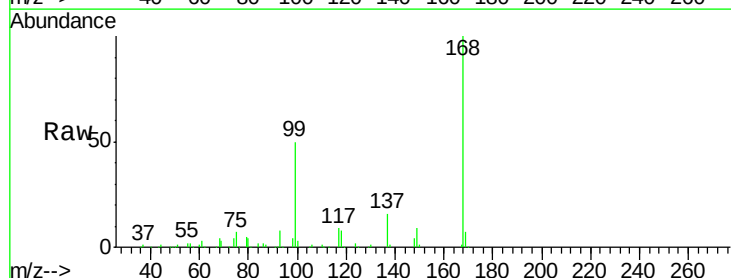
Tgt Ion: 56 Resp: 3770

Ion Ratio Lower Upper

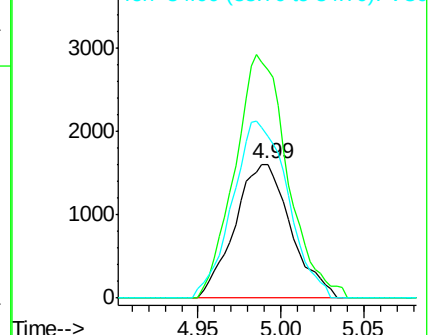
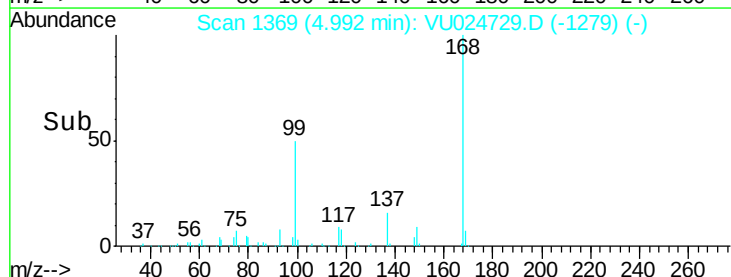
56 100

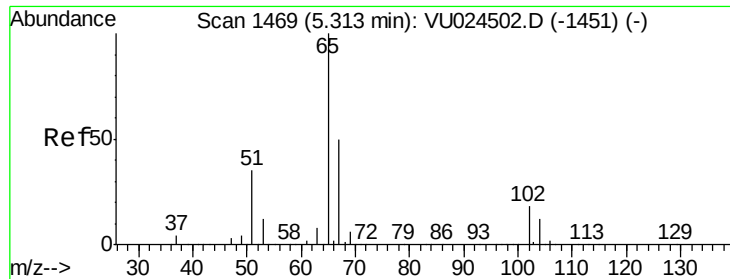
69 170.2 24.8 37.2#

84 120.7 65.2 97.8#



Abundance Ion 56.00 (55.70 to 56.70): VU024729.D (-1279) (-)

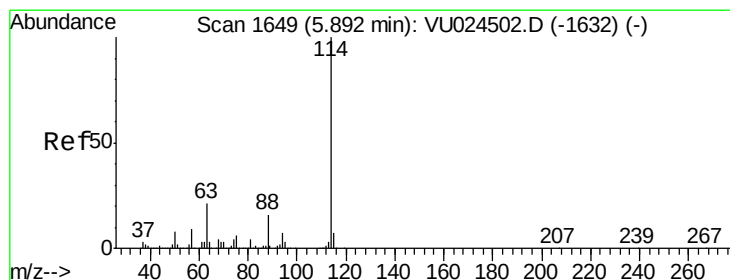
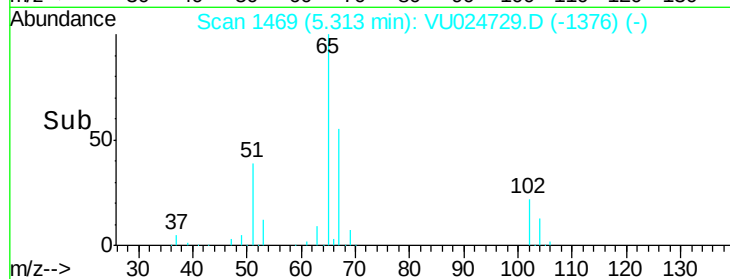
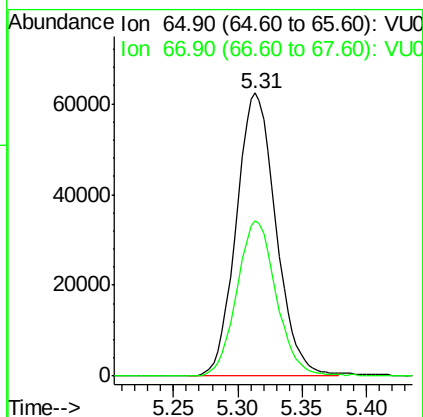
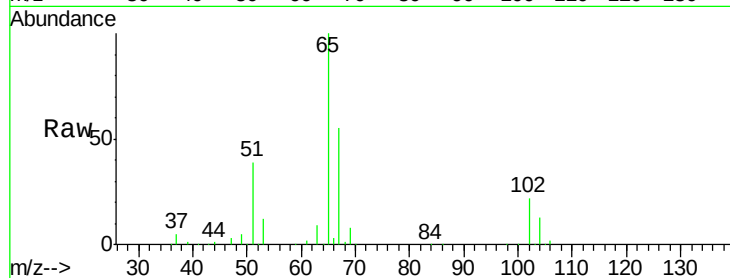




#33
 1,2-Dichloroethane-d4
 Concen: 41.990 ug/l
 RT: 5.31 min Scan# 1469
 Delta R.T. -0.00 min
 Lab File: VU024729.D
 Acq: 19 Jun 2018 07:33

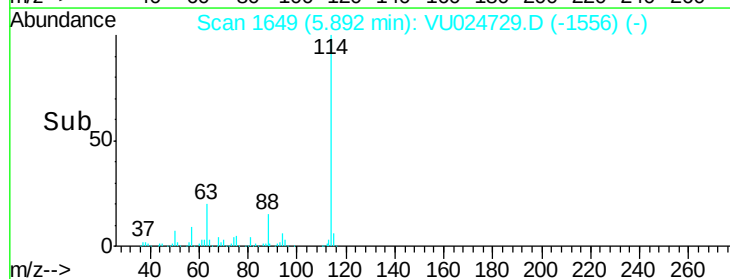
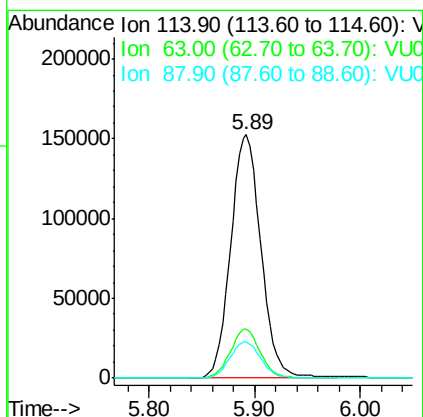
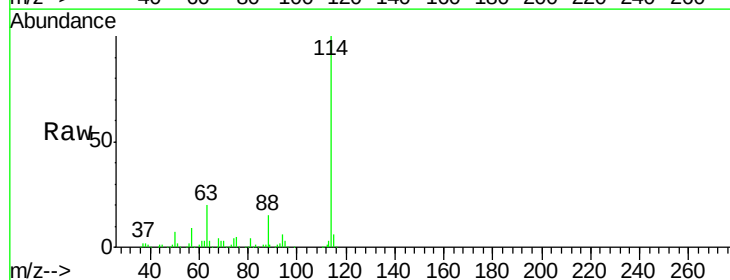
Instrument :
 MSVOA_U
 ClientSampleId :
 SS036MW015-180614

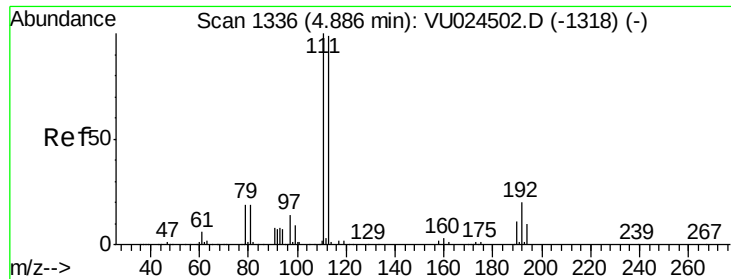
Tgt Ion: 65 Resp: 133481
 Ion Ratio Lower Upper
 65 100
 67 54.5 0.0 107.0



#34
 1,4-Difluorobenzene
 Concen: 50.000 ug/l
 RT: 5.89 min Scan# 1649
 Delta R.T. -0.00 min
 Lab File: VU024729.D
 Acq: 19 Jun 2018 07:33

Tgt Ion: 114 Resp: 303196
 Ion Ratio Lower Upper
 114 100
 63 20.1 0.0 45.4
 88 14.7 0.0 31.0





#35

Dibromofluoromethane

Concen: 46.897 ug/l

RT: 4.89 min Scan# 1337

Delta R.T. 0.00 min

Lab File: VU024729.D

Acq: 19 Jun 2018 07:33

Instrument :

MSVOA_U

ClientSampleId :

SS036MW015-180614

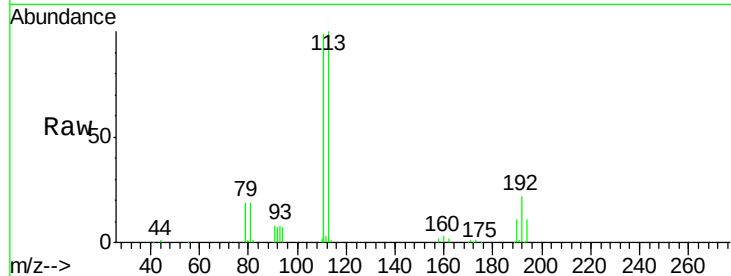
Tgt Ion:113 Resp: 118006

Ion Ratio Lower Upper

113 100

111 101.4 82.2 123.4

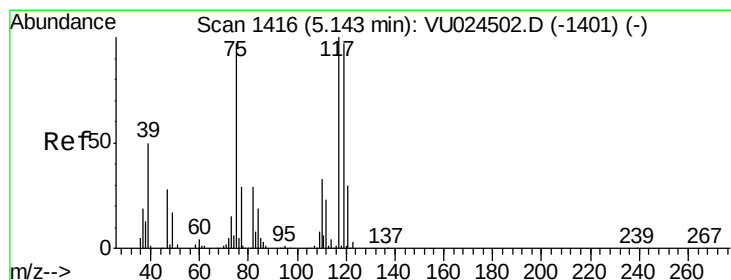
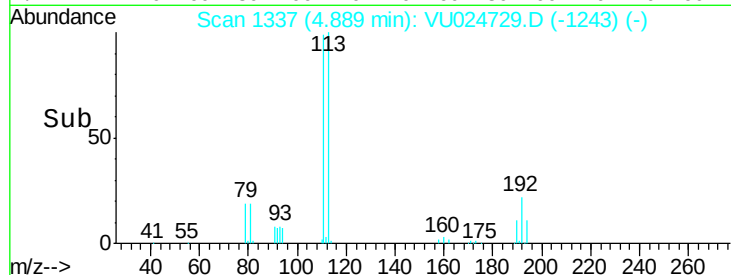
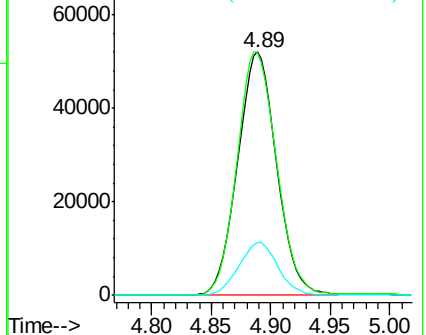
192 21.8 16.2 24.4



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: 3.679 ug/l

RT: 4.99 min Scan# 1368

Delta R.T. -0.15 min

Lab File: VU024729.D

Acq: 19 Jun 2018 07:33

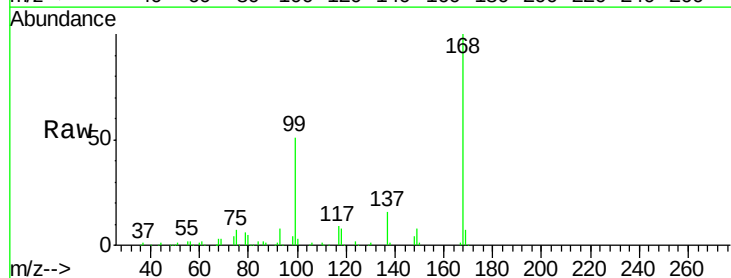
Tgt Ion: 75 Resp: 13108

Ion Ratio Lower Upper

75 100

110 7.5 17.0 50.9#

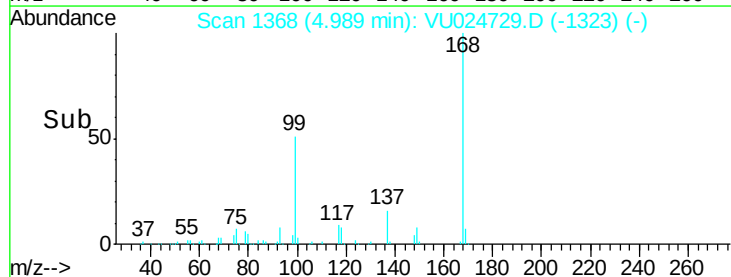
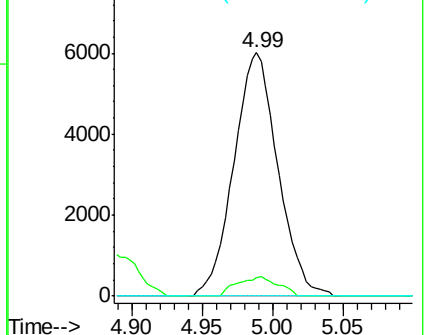
77 0.0 24.2 36.4#

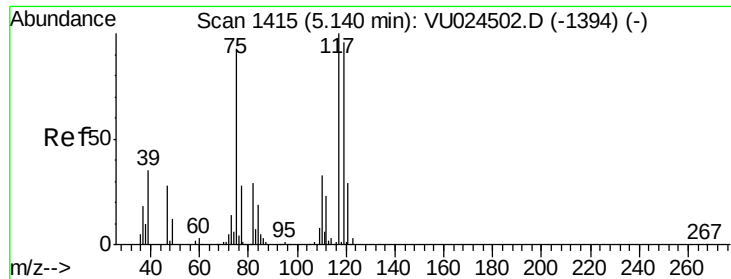


Abundance Ion 74.90 (74.60 to 75.60): VU0

Ion 109.90 (109.60 to 110.60): V

Ion 76.90 (76.60 to 77.60): VU0





#38

Carbon Tetrachloride

Concen: 4.384 ug/l

RT: 4.99 min Scan# 1368

Delta R.T. -0.15 min

Lab File: VU024729.D

Acq: 19 Jun 2018 07:33

Instrument :

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ClientSampleId :

SS036MW015-180614

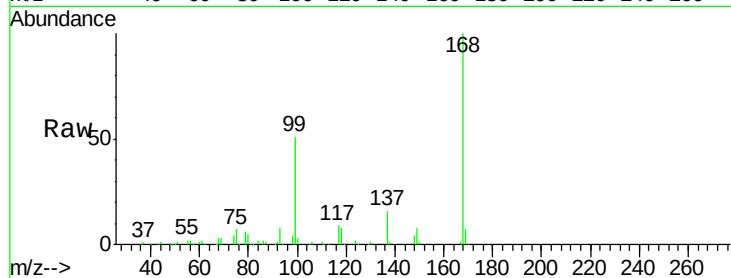
Tgt Ion:117 Resp: 17177

Ion Ratio Lower Upper

117 100

119 4.2 76.1 114.1#

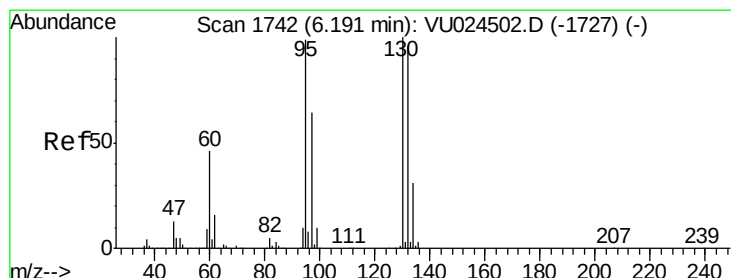
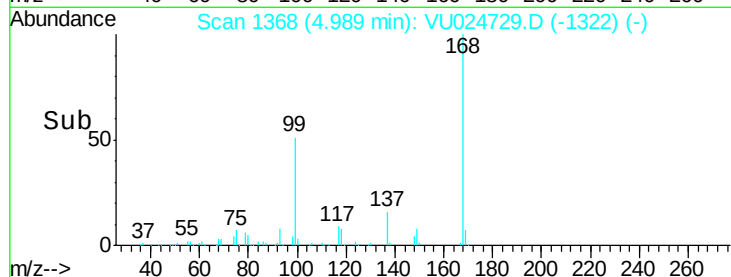
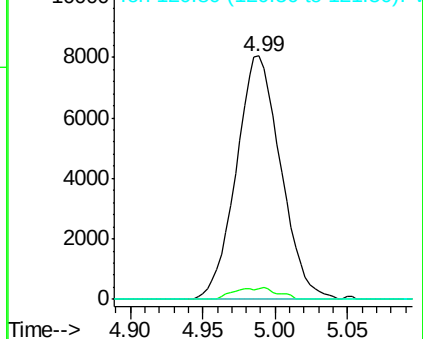
121 0.0 23.7 35.5#



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



#44

Trichloroethene

Concen: 0.291 ug/l

RT: 6.19 min Scan# 1743

Delta R.T. 0.00 min

Lab File: VU024729.D

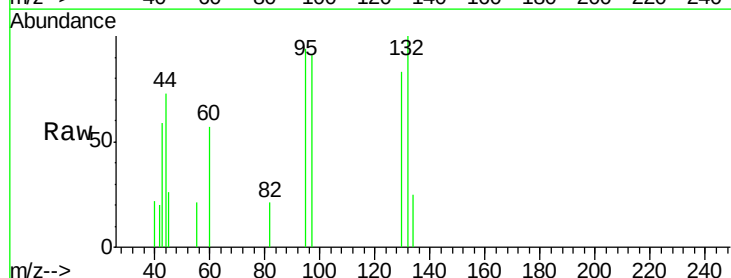
Acq: 19 Jun 2018 07:33

Tgt Ion:130 Resp: 841

Ion Ratio Lower Upper

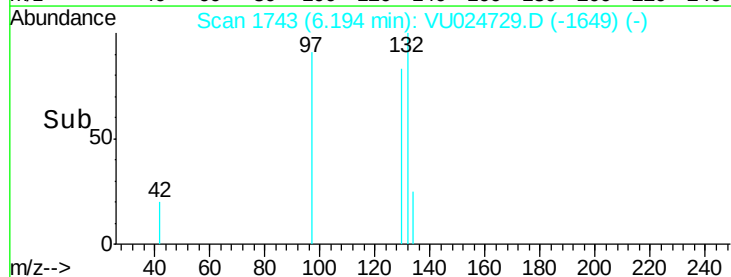
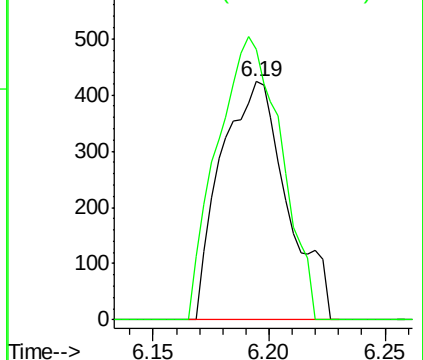
130 100

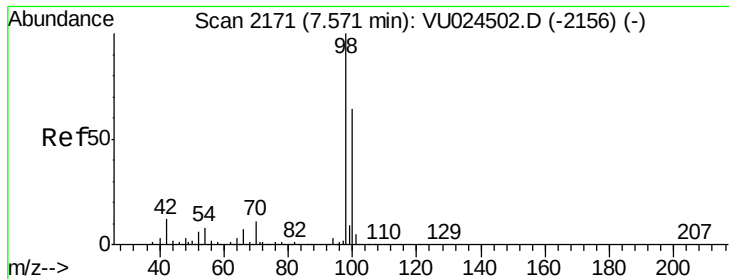
95 113.4 0.0 202.4



Abundance Ion 129.80 (129.50 to 130.50): V

Ion 94.90 (94.60 to 95.60): VU0

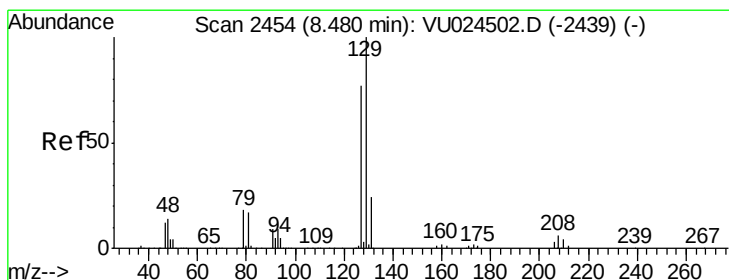
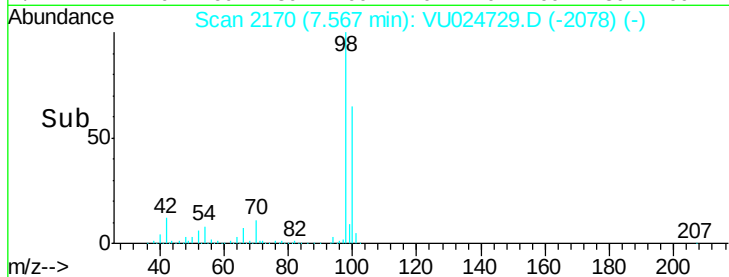
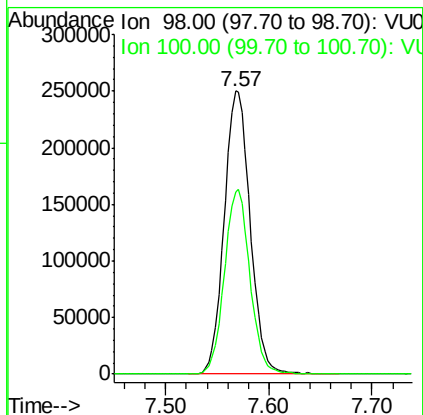
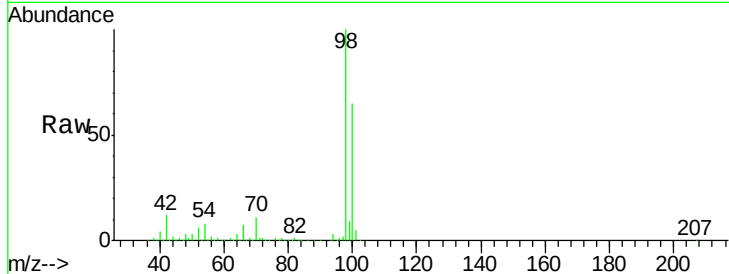




#50
Toluene-d8
Concen: 47.889 ug/l
RT: 7.57 min Scan# 2170
Delta R.T. -0.00 min
Lab File: VU024729.D
Acq: 19 Jun 2018 07:33

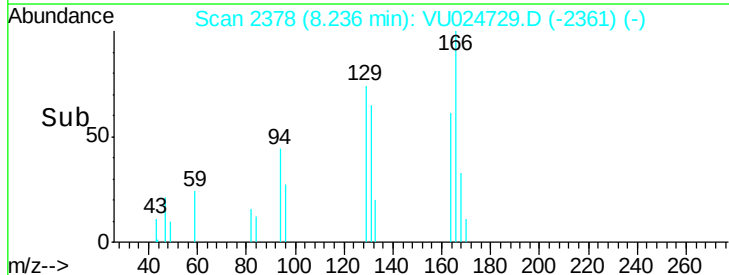
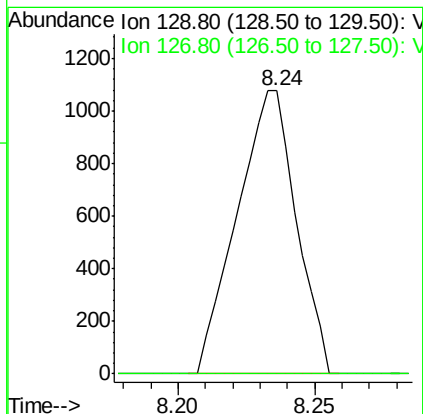
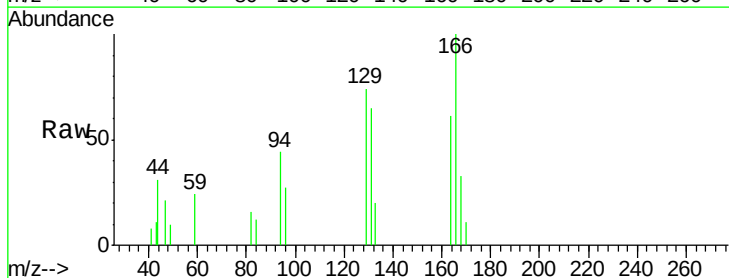
Instrument :
MSVOA_U
ClientSampleId :
SS036MW015-180614

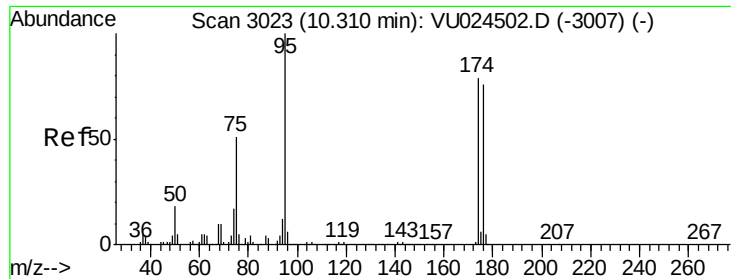
Tgt Ion: 98 Resp: 439548
Ion Ratio Lower Upper
98 100
100 64.1 51.1 76.7



#60
Dibromochloromethane
Concen: 0.489 ug/l
RT: 8.24 min Scan# 2378
Delta R.T. -0.24 min
Lab File: VU024729.D
Acq: 19 Jun 2018 07:33

Tgt Ion: 129 Resp: 1618
Ion Ratio Lower Upper
129 100
127 0.0 38.6 116.0#





#62

4-Bromofluorobenzene

Concen: 42.767 ug/l

RT: 10.31 min Scan# 3023

Delta R.T. -0.00 min

Lab File: VU024729.D

Acq: 19 Jun 2018 07:33

Instrument :

MSVOA_U

ClientSampleId :

SS036MW015-180614

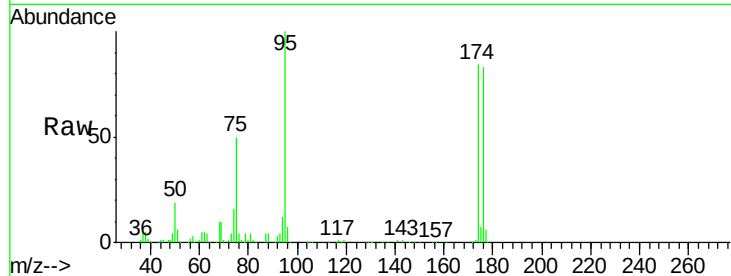
Tgt Ion: 95 Resp: 155853

Ion Ratio Lower Upper

95 100

174 86.8 0.0 165.8

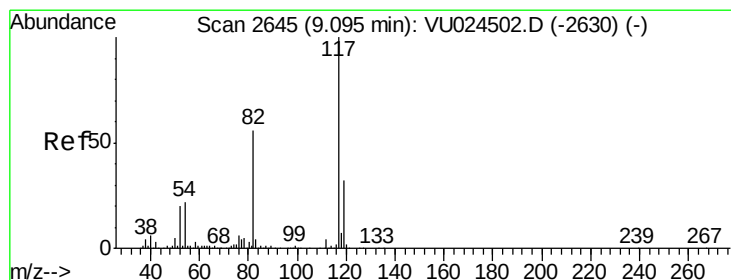
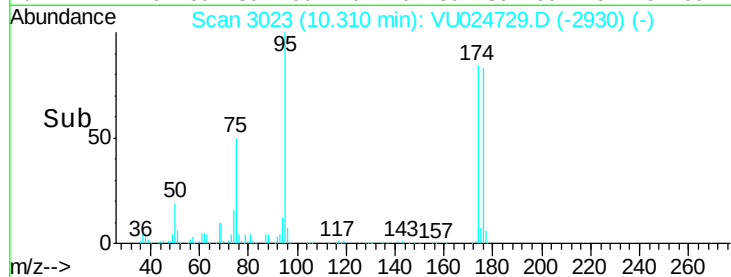
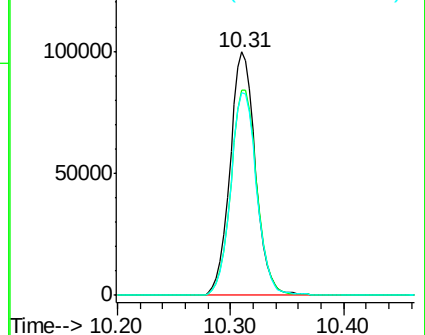
176 85.3 0.0 159.4



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: VU024729.D

Acq: 19 Jun 2018 07:33

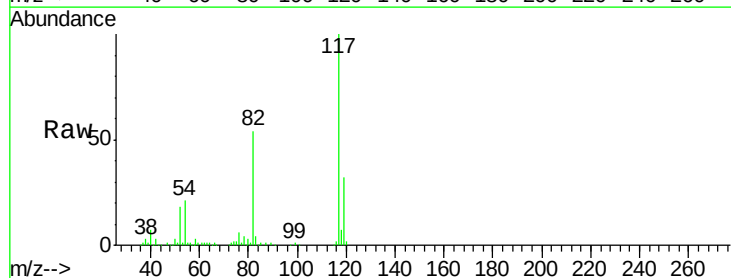
Tgt Ion: 117 Resp: 284492

Ion Ratio Lower Upper

117 100

82 54.0 44.3 66.5

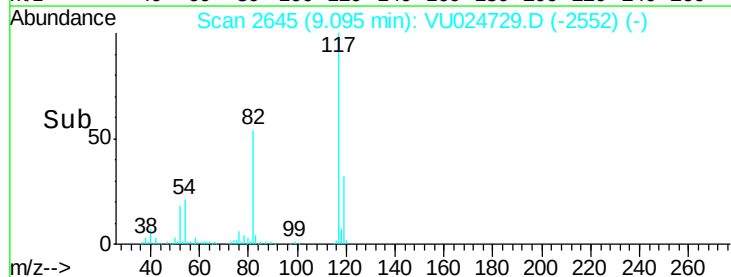
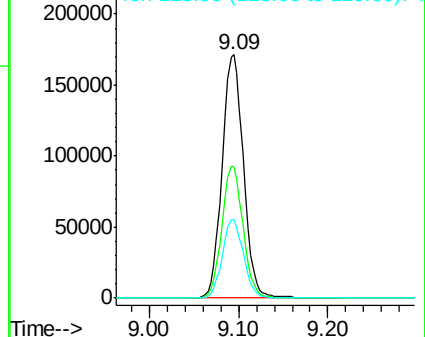
119 32.0 25.4 38.2

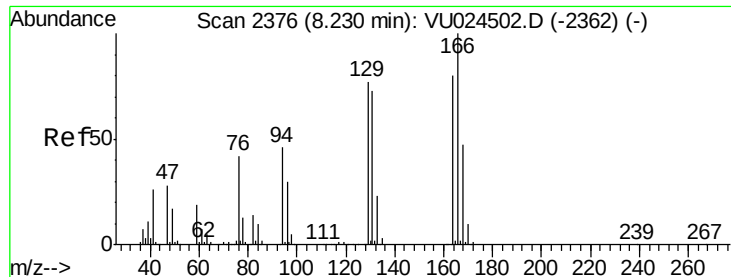


Abundance Ion 116.90 (116.60 to 117.60): VU024502.D (-2630) (-)

Ion 82.00 (81.70 to 82.70): VU024502.D (-2630) (-)

Ion 118.90 (118.60 to 119.60): VU024502.D (-2630) (-)





#64

Tetrachloroethene

Concen: 0.666 ug/l

RT: 8.23 min Scan# 2375

Delta R.T. -0.00 min

Lab File: VU024729.D

Acq: 19 Jun 2018 07:33

Instrument :

MSVOA_U

ClientSampleId :

SS036MW015-180614

Tgt Ion:164 Resp: 1801

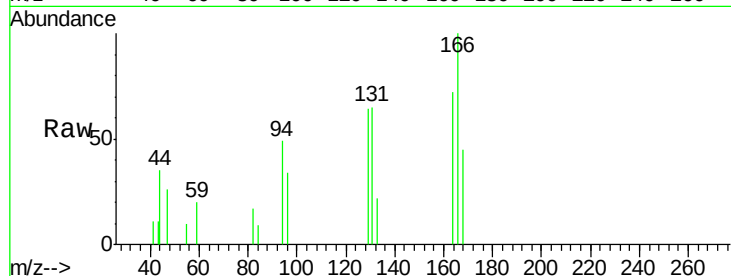
Ion Ratio Lower Upper

164 100

166 139.4 101.7 152.5

129 88.8 76.9 115.3

131 91.1 74.9 112.3

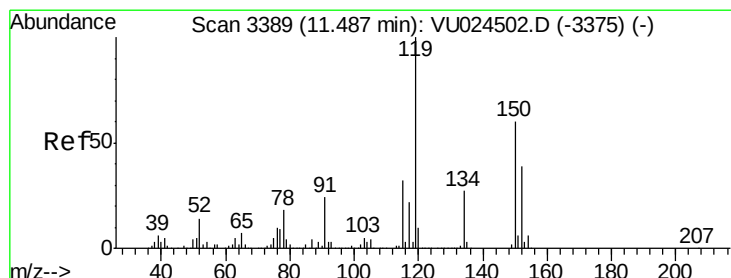
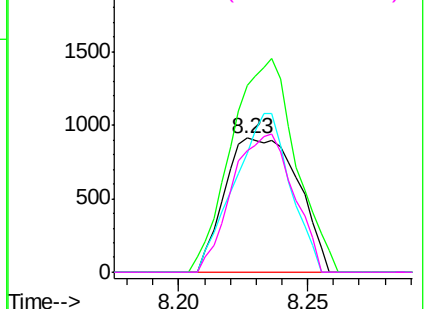
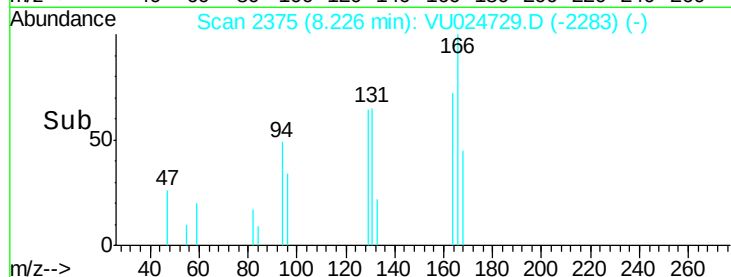


Abundance Ion 163.80 (163.50 to 164.50): V

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: VU024729.D

Acq: 19 Jun 2018 07:33

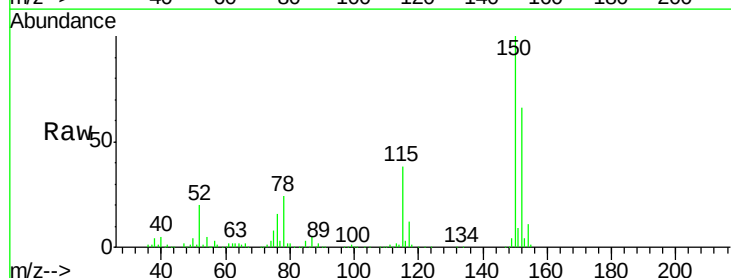
Tgt Ion:152 Resp: 150167

Ion Ratio Lower Upper

152 100

115 56.9 43.0 129.0

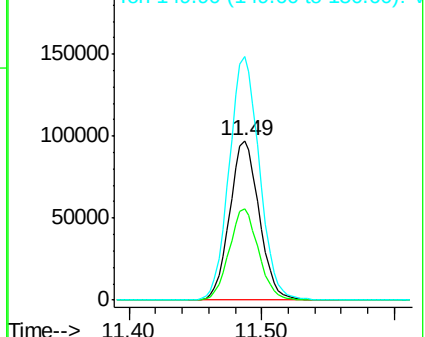
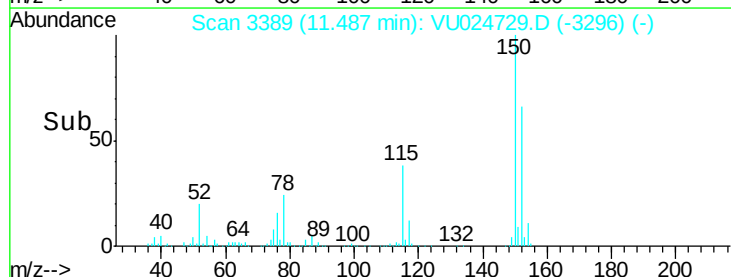
150 156.2 0.0 354.0

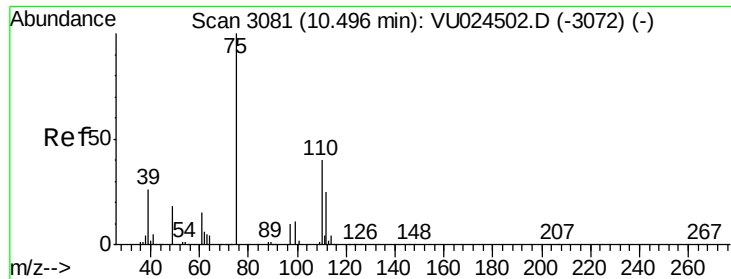


Abundance Ion 151.90 (151.60 to 152.60): V

Ion 114.90 (114.60 to 115.60): V

Ion 149.90 (149.60 to 150.60): V

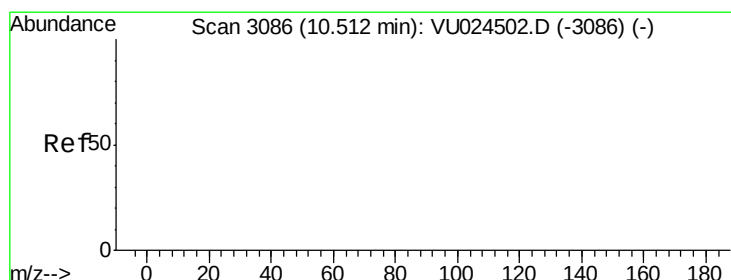
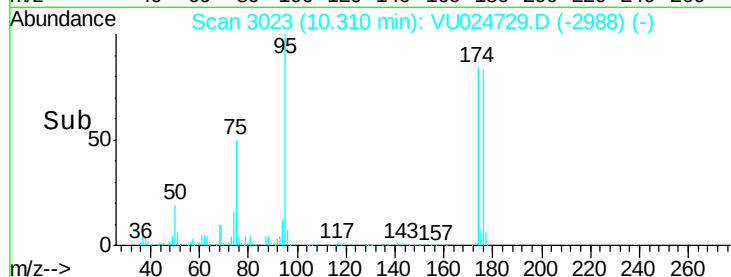
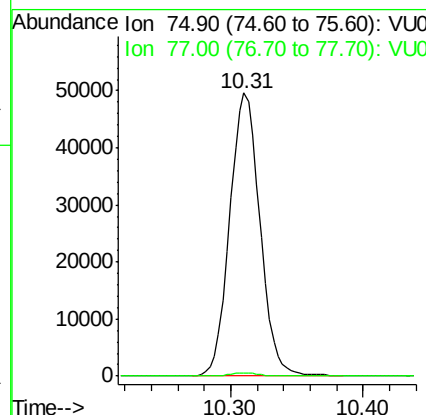
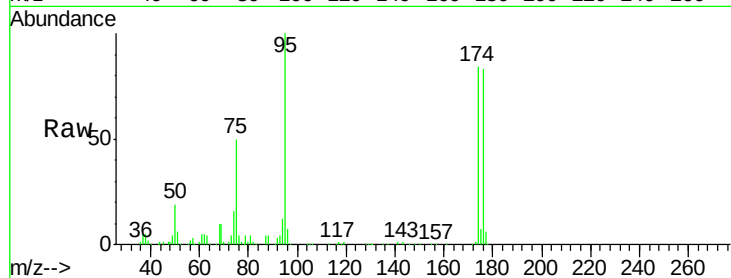




#76
 1,2,3-Trichloropropane
 Concen: 23.773 ug/l
 RT: 10.31 min Scan# 3023
 Delta R.T. -0.19 min
 Lab File: VU024729.D
 Acq: 19 Jun 2018 07:33

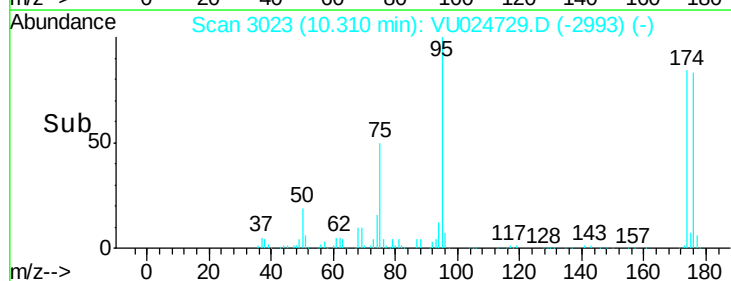
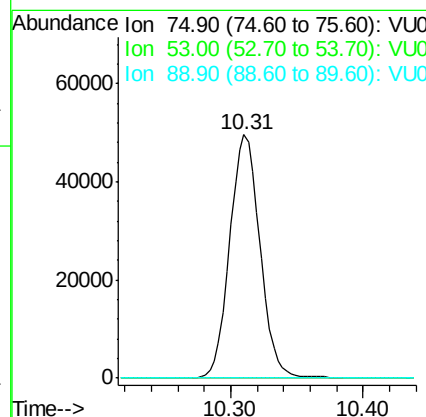
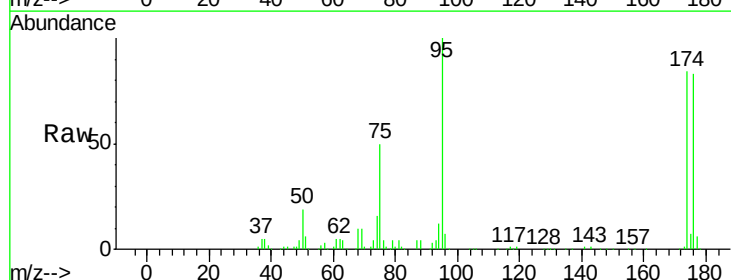
Instrument :
 MSVOA_U
 ClientSampleId :
 SS036MW015-180614

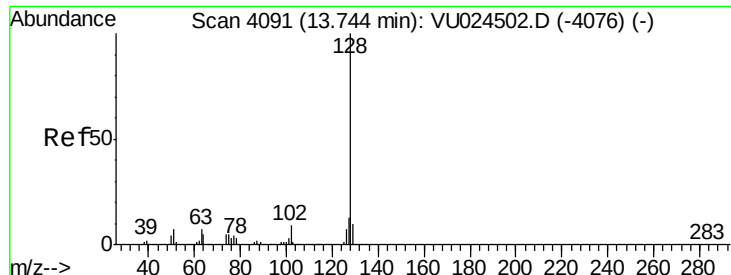
Tgt Ion: 75 Resp: 78598
 Ion Ratio Lower Upper
 75 100
 77 1.1 20.9 62.7#



#81
 trans-1,4-Dichloro-2-butene
 Concen: 55.022 ug/l
 RT: 10.31 min Scan# 3023
 Delta R.T. -0.20 min
 Lab File: VU024729.D
 Acq: 19 Jun 2018 07:33

Tgt Ion: 75 Resp: 78598
 Ion Ratio Lower Upper
 75 100
 53 0.0 0.0 0.0
 89 0.0 0.0 0.0

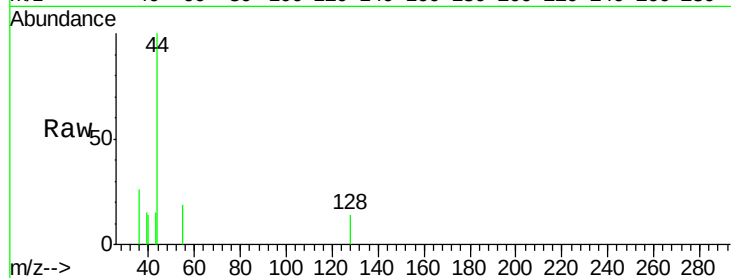




#95
Naphthalene
Concen: 0.683 ug/l
RT: 13.77 min Scan# 4100
Delta R.T. 0.03 min
Lab File: VU024729.D
Acq: 19 Jun 2018 07:33

Instrument :
MSVOA_U
ClientSampleId :
SS036MW015-180614

Tgt 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

