

Data Path : Z:\VOASRV\HPCHEM1\MSVOA_U\DATA\VU061818\
 Data File : VU024728.D
 Acq On : 19 Jun 2018 07:09
 Operator : MD/SY
 Sample : J3535-17
 Misc : 5.0mL/MSVOA_U/WATER
 ALS Vial : 53 Sample Multiplier: 1

Instrument :
 MSVOA_U
 ClientSampleId :
 SS042RW180-180614

Quant Time: Jun 19 08:28:09 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

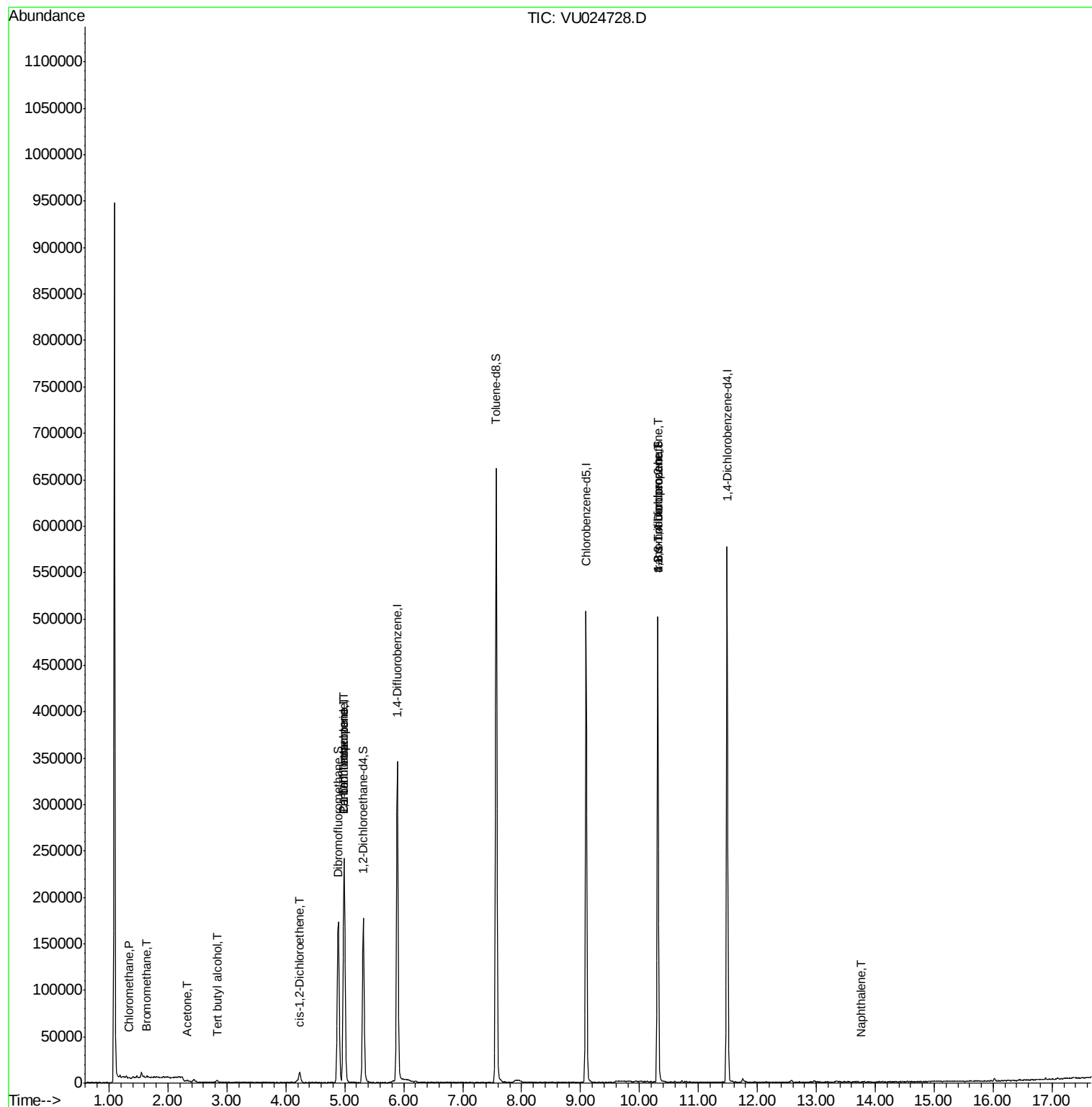
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	4.99	168	193711	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	5.89	114	301721	50.00	ug/l	0.00
63) Chlorobenzene-d5	9.09	117	277774	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	11.49	152	150878	50.00	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	5.31	65	134849	42.64	ug/l	0.00
Spiked Amount 50.000			Recovery	=	85.28%	
35) Dibromofluoromethane	4.89	113	118822	47.45	ug/l	0.00
Spiked Amount 50.000			Recovery	=	94.90%	
50) Toluene-d8	7.57	98	442048	48.40	ug/l	0.00
Spiked Amount 50.000			Recovery	=	96.80%	
62) 4-Bromofluorobenzene	10.31	95	157273	43.37	ug/l	0.00
Spiked Amount 50.000			Recovery	=	86.74%	
Target Compounds						
					Qvalue	
3) Chloromethane	1.33	50	614	0.248 ug/l	#	88
5) Bromomethane	1.64	94	463	0.375 ug/l		81
6) Chloroethane	1.70	64	168	Below Cal	#	43
11) Tert butyl alcohol	2.82	59	1189	1.546 ug/l	#	81
16) Acetone	2.33	43	1097	0.646 ug/l		99
27) cis-1,2-Dichloroethene	4.23	96	6581	2.356 ug/l		88
31) Cyclohexane	4.99	56	3610	Below Cal	#	1
36) 1,1-Dichloropropene	4.99	75	12946	3.651 ug/l	#	52
38) Carbon Tetrachloride	4.99	117	18310	4.696 ug/l	#	16
76) 1,2,3-Trichloropropane	10.31	75	79048	23.797 ug/l	#	36
81) trans-1,4-Dichloro-2-buten	10.31	75	79048	55.076 ug/l	#	100
95) Naphthalene	13.76	128	69	0.685 ug/l	#	69

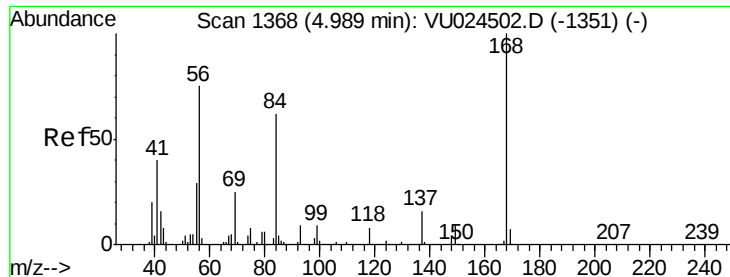
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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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: VU024728.D

Acq: 19 Jun 2018 07:09

Instrument :

MSVOA_U

ClientSampleId :

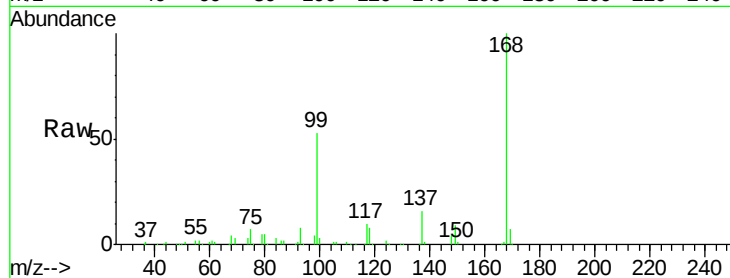
SS042RW180-180614

Tgt Ion:168 Resp: 193711

Ion Ratio Lower Upper

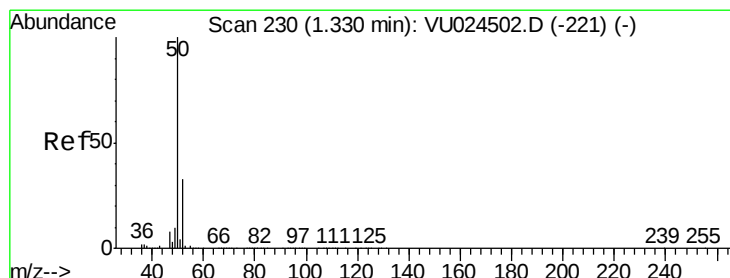
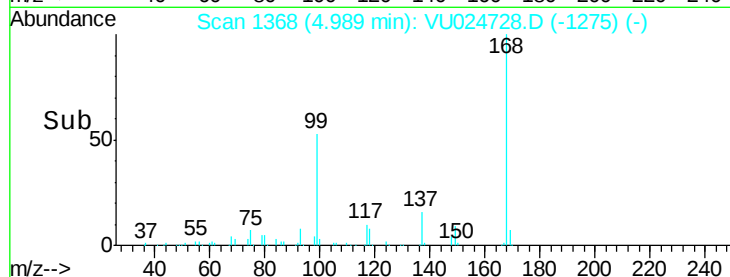
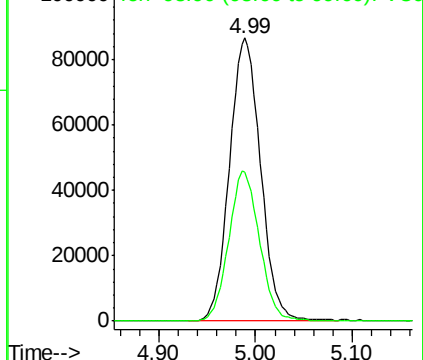
168 100

99 52.8 43.2 64.8



Abundance Ion 167.90 (167.60 to 168.60): VU024728.D (-1351) (-)

Ion 98.90 (98.60 to 99.60): VU024728.D (-1351) (-)



#3

Chloromethane

Concen: 0.248 ug/l

RT: 1.33 min Scan# 229

Delta R.T. -0.00 min

Lab File: VU024728.D

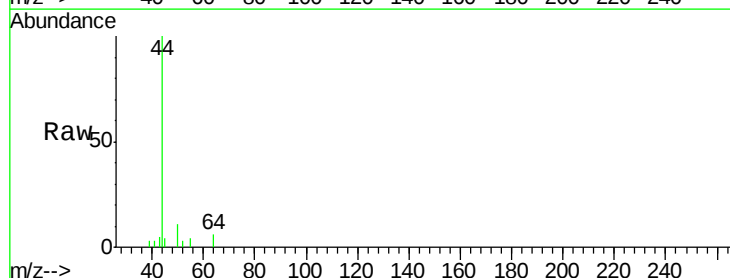
Acq: 19 Jun 2018 07:09

Tgt Ion: 50 Resp: 614

Ion Ratio Lower Upper

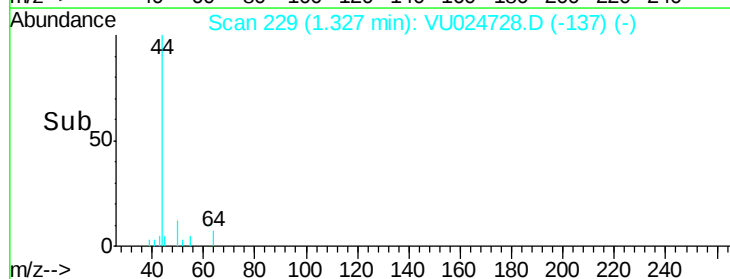
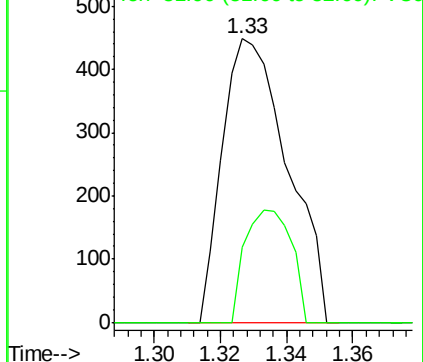
50 100

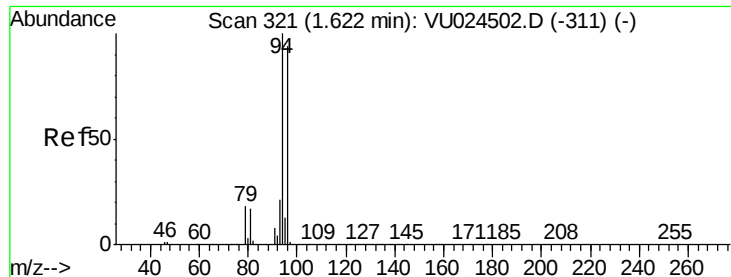
52 26.3 26.4 39.6#



Abundance Ion 49.90 (49.60 to 50.60): VU024728.D (-137) (-)

Ion 51.90 (51.60 to 52.60): VU024728.D (-137) (-)





#5

Bromomethane

Concen: 0.375 ug/l

RT: 1.64 min Scan# 326

Delta R.T. 0.02 min

Lab File: VU024728.D

Acq: 19 Jun 2018 07:09

Instrument :

MSVOA_U

ClientSampleId :

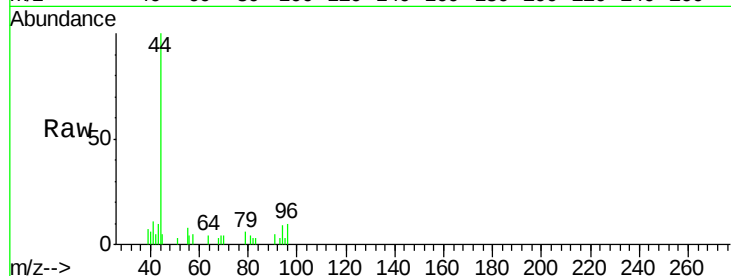
SS042RW180-180614

Tgt Ion: 94 Resp: 463

Ion Ratio Lower Upper

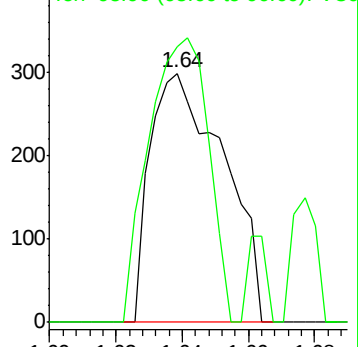
94 100

96 111.0 74.5 111.7

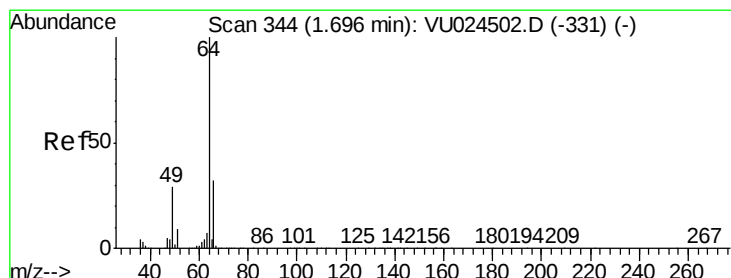
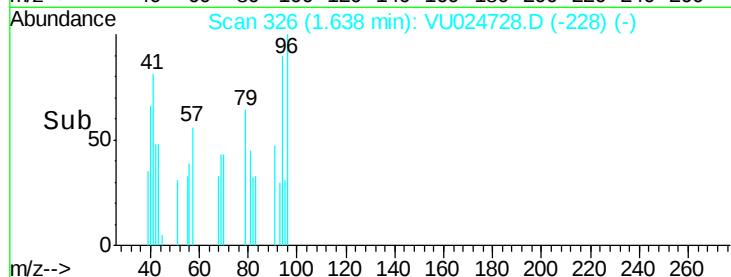


Abundance Ion 93.90 (93.60 to 94.60): VU024728.D (-228) (-)

Ion 95.90 (95.60 to 96.60): VU024728.D (-228) (-)



Time-->



#6

Chloroethane

Concen: Below Cal

RT: 1.70 min Scan# 345

Delta R.T. 0.00 min

Lab File: VU024728.D

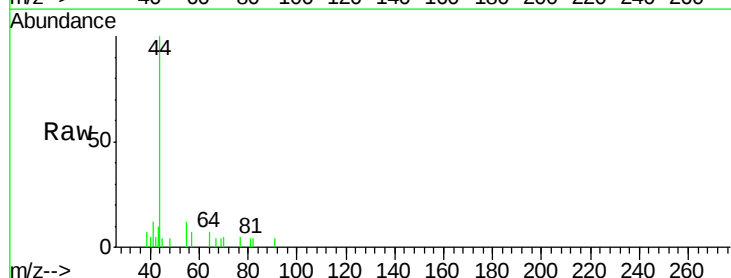
Acq: 19 Jun 2018 07:09

Tgt Ion: 64 Resp: 168

Ion Ratio Lower Upper

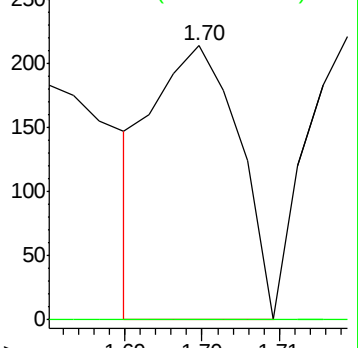
64 100

66 0.0 25.5 38.3#

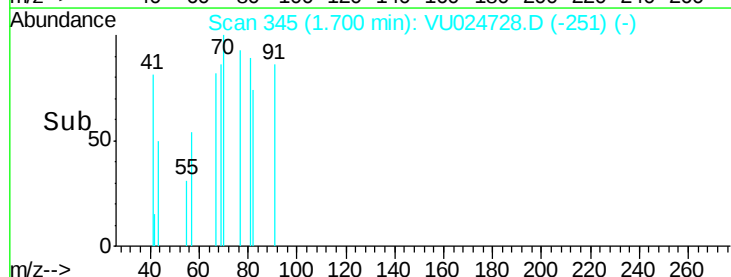


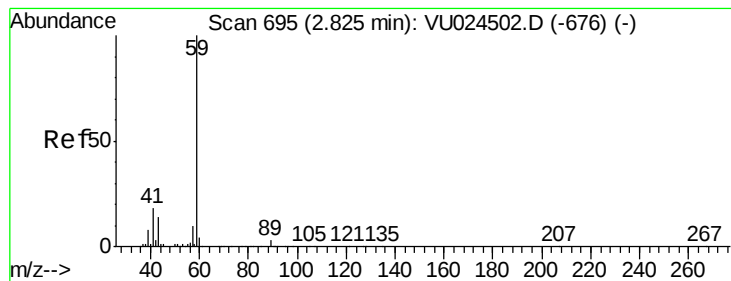
Abundance Ion 63.90 (63.60 to 64.60): VU024728.D (-251) (-)

Ion 65.90 (65.60 to 66.60): VU024728.D (-251) (-)



Time-->





#11

Tert butyl alcohol

Concen: 1.546 ug/l

RT: 2.82 min Scan# 695

Delta R.T. 0.00 min

Lab File: VU024728.D

Acq: 19 Jun 2018 07:09

Instrument :

MSVOA_U

ClientSampleId :

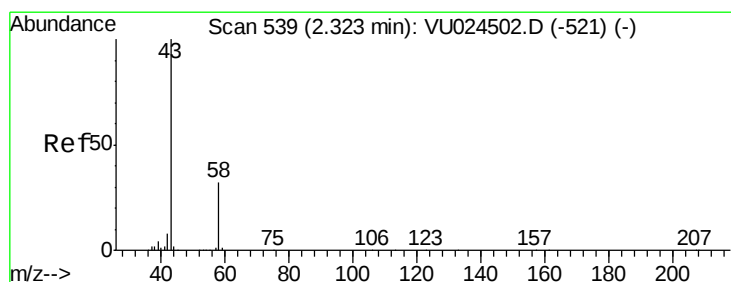
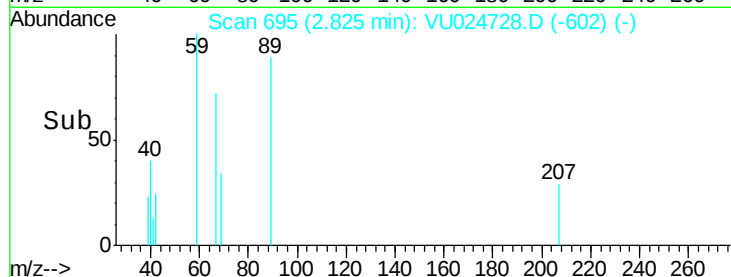
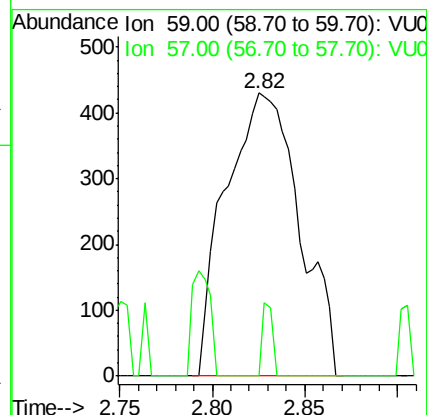
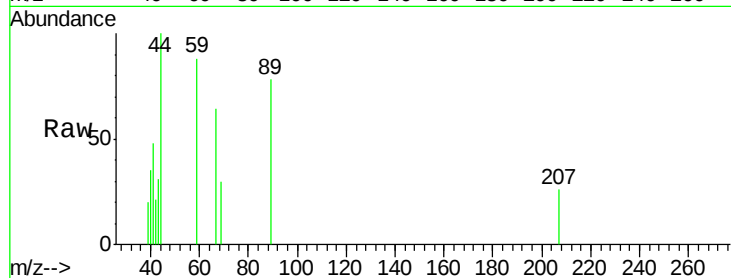
SS042RW180-180614

Tgt Ion: 59 Resp: 1189

Ion Ratio Lower Upper

59 100

57 3.4 8.5 12.7#



#16

Acetone

Concen: 0.646 ug/l

RT: 2.33 min Scan# 540

Delta R.T. 0.00 min

Lab File: VU024728.D

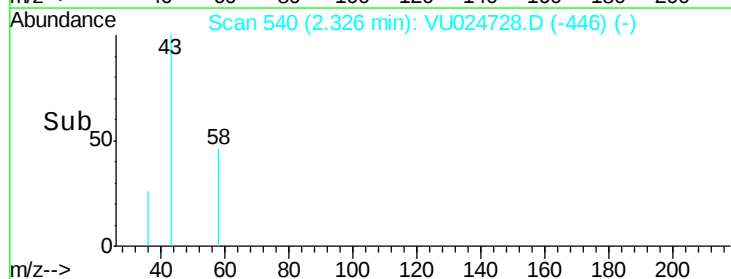
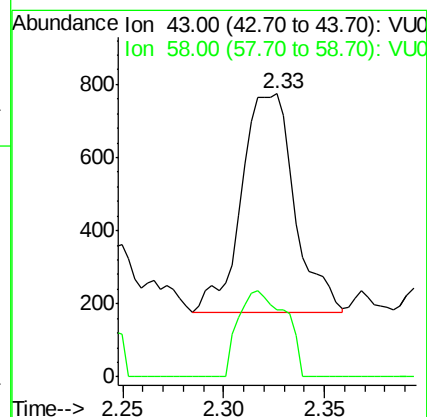
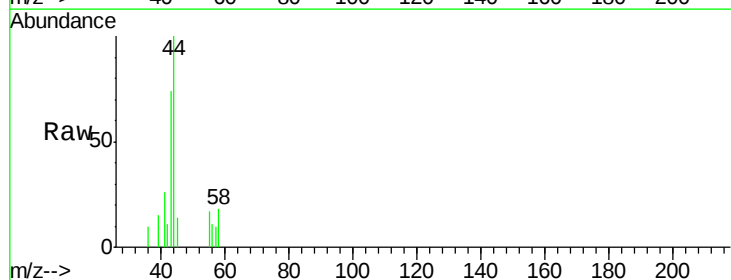
Acq: 19 Jun 2018 07:09

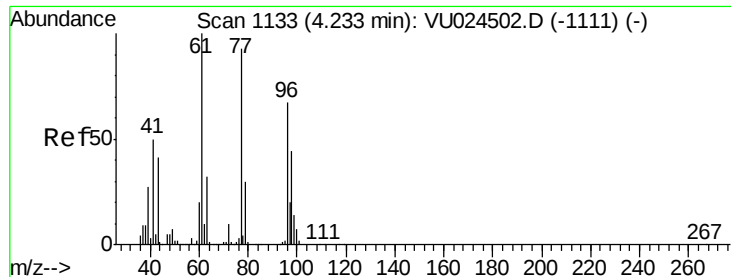
Tgt Ion: 43 Resp: 1097

Ion Ratio Lower Upper

43 100

58 31.0 24.4 36.6





#27

cis-1,2-Dichloroethene

Concen: 2.356 ug/l

RT: 4.23 min Scan# 1133

Delta R.T. 0.00 min

Lab File: VU024728.D

Acq: 19 Jun 2018 07:09

Instrument :

MSVOA_U

ClientSampleId :

SS042RW180-180614

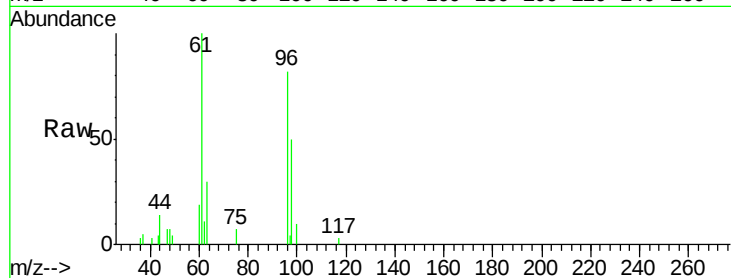
Tgt Ion: 96 Resp: 6581

Ion Ratio Lower Upper

96 100

61 131.5 0.0 306.6

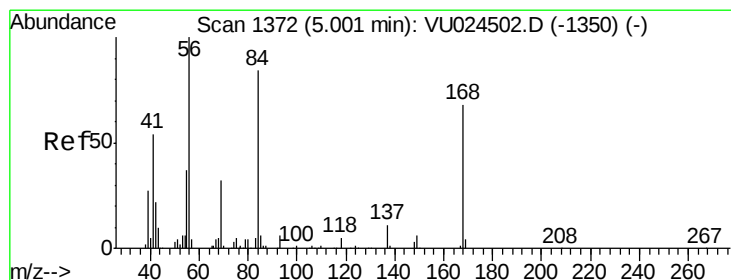
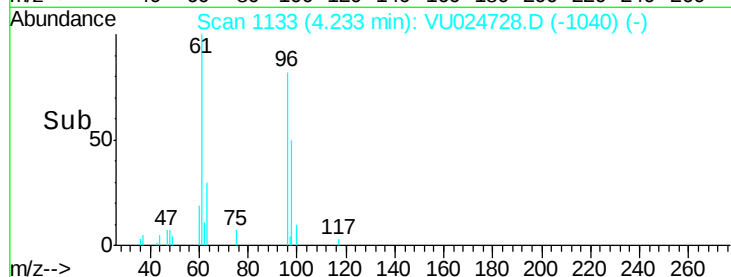
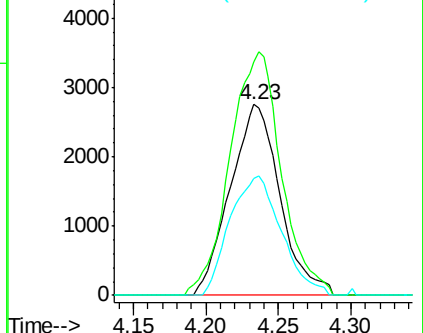
98 64.4 0.0 128.8



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: VU024728.D

Acq: 19 Jun 2018 07:09

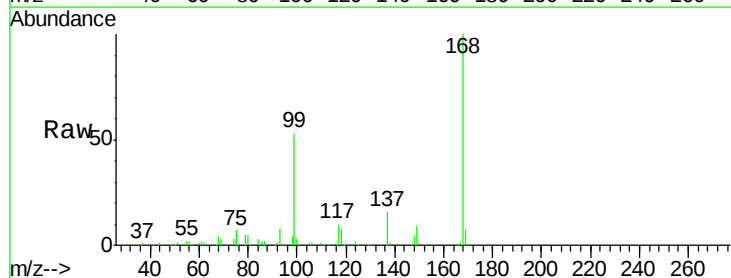
Tgt Ion: 56 Resp: 3610

Ion Ratio Lower Upper

56 100

69 175.6 24.8 37.2#

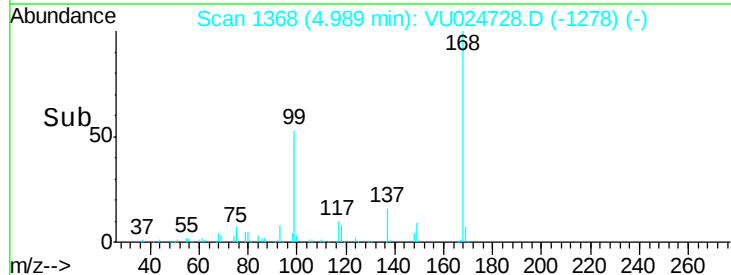
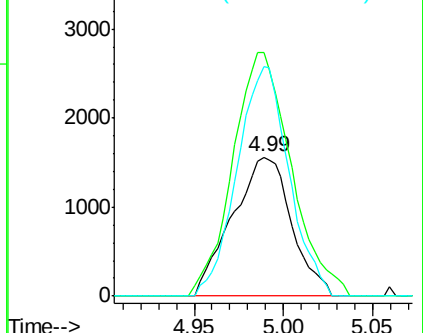
84 165.9 65.2 97.8#

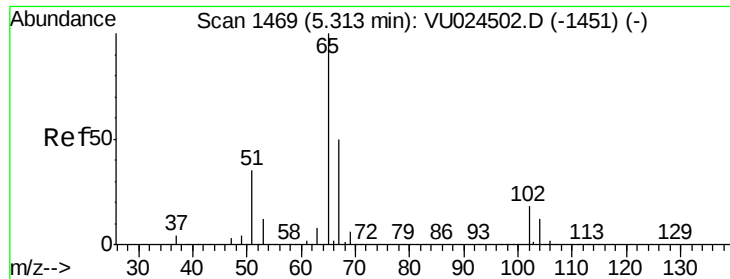


Abundance Ion 56.00 (55.70 to 56.70): VU0

Ion 69.00 (68.70 to 69.70): VU0

Ion 84.00 (83.70 to 84.70): VU0

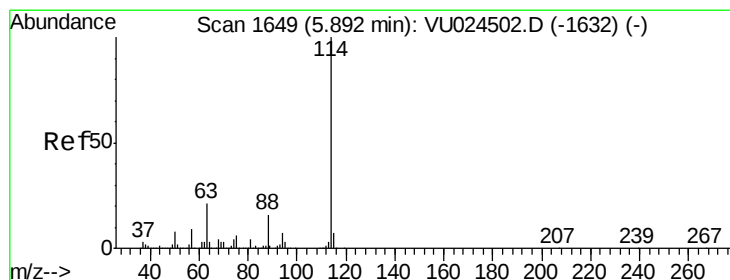
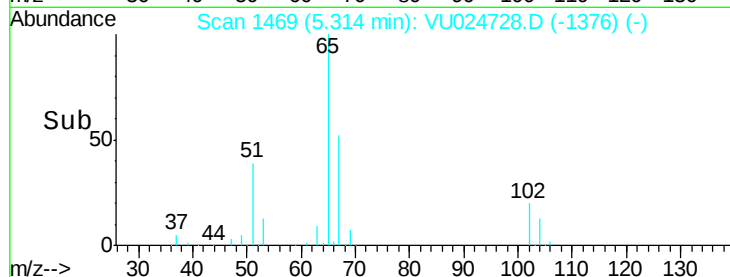
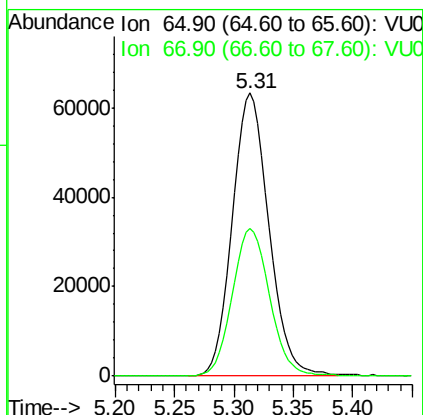
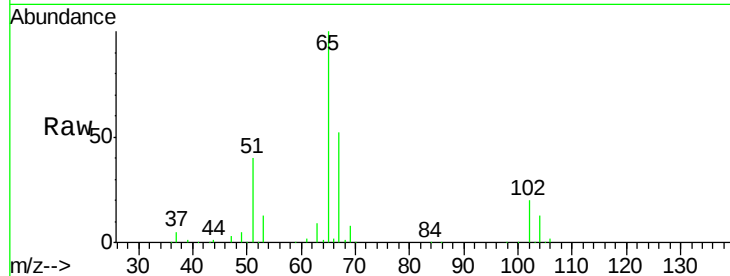




#33
 1,2-Dichloroethane-d4
 Concen: 42.642 ug/l
 RT: 5.31 min Scan# 1469
 Delta R.T. 0.00 min
 Lab File: VU024728.D
 Acq: 19 Jun 2018 07:09

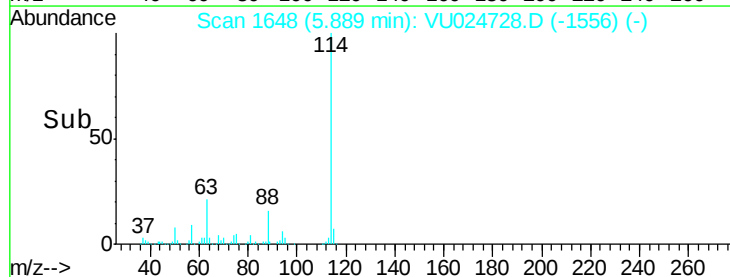
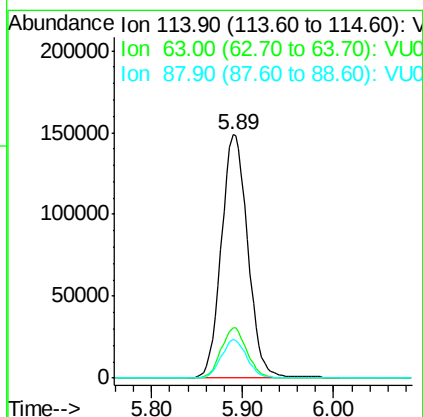
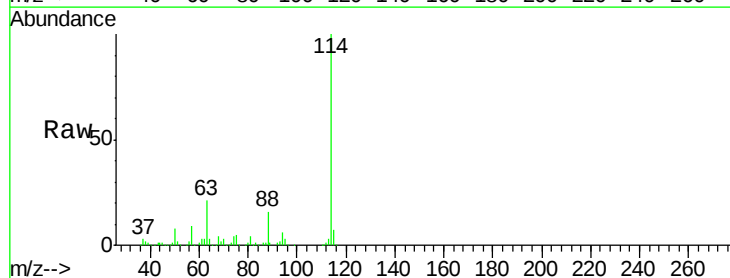
Instrument :
 MSVOA_U
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 SS042RW180-180614

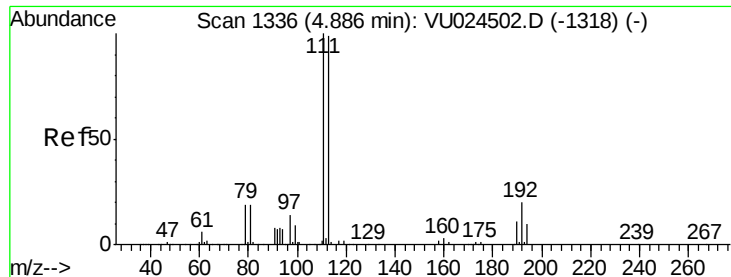
Tgt Ion: 65 Resp: 134849
 Ion Ratio Lower Upper
 65 100
 67 53.3 0.0 107.0



#34
 1,4-Difluorobenzene
 Concen: 50.000 ug/l
 RT: 5.89 min Scan# 1648
 Delta R.T. -0.00 min
 Lab File: VU024728.D
 Acq: 19 Jun 2018 07:09

Tgt Ion: 114 Resp: 301721
 Ion Ratio Lower Upper
 114 100
 63 20.6 0.0 45.4
 88 15.9 0.0 31.0





#35

Dibromofluoromethane

Concen: 47.452 ug/l

RT: 4.89 min Scan# 1337

Delta R.T. 0.00 min

Lab File: VU024728.D

Acq: 19 Jun 2018 07:09

Instrument :

MSVOA_U

ClientSampleId :

SS042RW180-180614

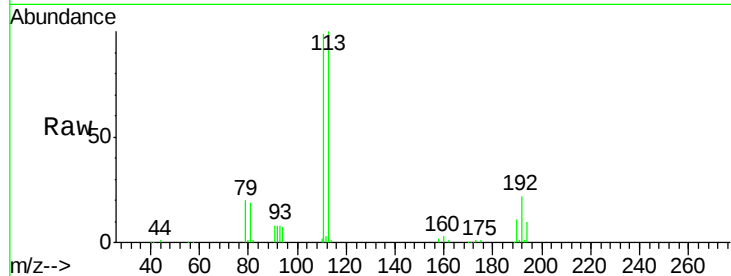
Tgt Ion:113 Resp: 118822

Ion Ratio Lower Upper

113 100

111 99.2 82.2 123.4

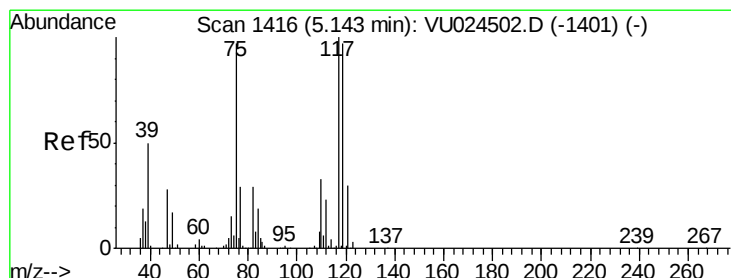
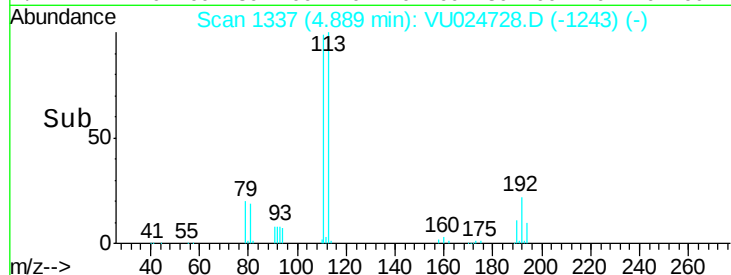
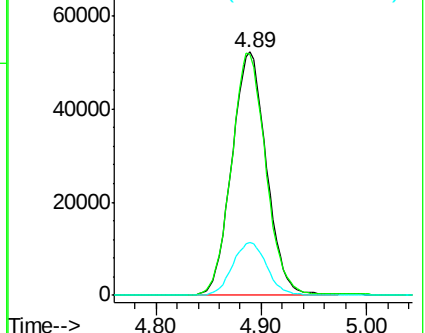
192 21.5 16.2 24.4



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: 3.651 ug/l

RT: 4.99 min Scan# 1368

Delta R.T. -0.15 min

Lab File: VU024728.D

Acq: 19 Jun 2018 07:09

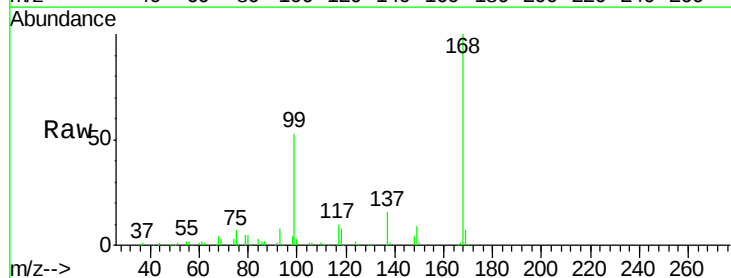
Tgt Ion: 75 Resp: 12946

Ion Ratio Lower Upper

75 100

110 10.0 17.0 50.9#

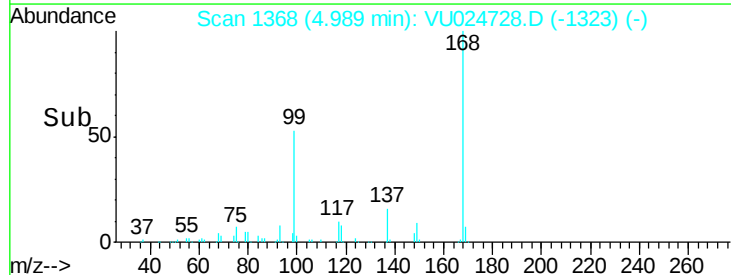
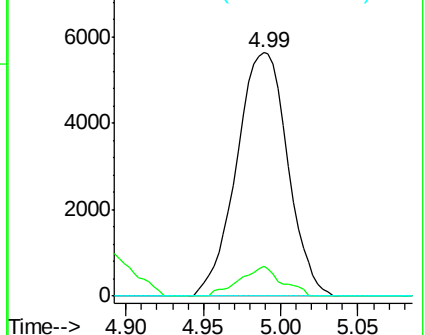
77 0.0 24.2 36.4#

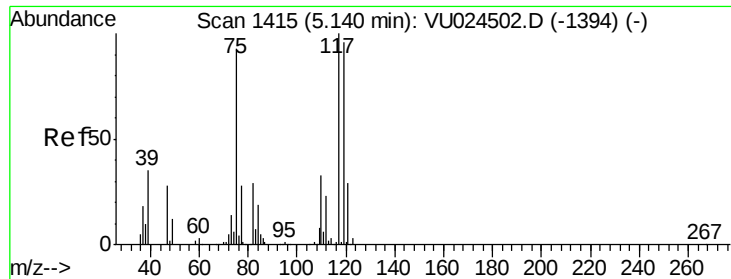


Abundance Ion 74.90 (74.60 to 75.60): VU0

Ion 109.90 (109.60 to 110.60): V

Ion 76.90 (76.60 to 77.60): VU0





#38

Carbon Tetrachloride

Concen: 4.696 ug/l

RT: 4.99 min Scan# 1368

Delta R.T. -0.15 min

Lab File: VU024728.D

Acq: 19 Jun 2018 07:09

Instrument :

MSVOA_U

ClientSampleId :

SS042RW180-180614

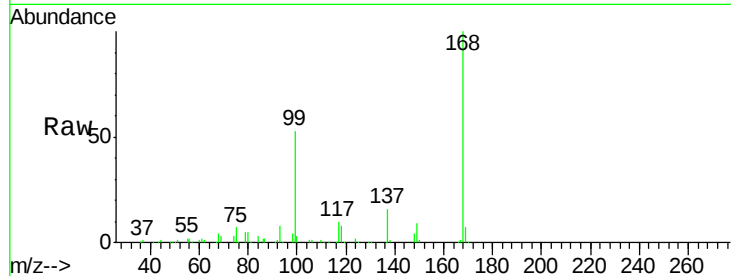
Tgt Ion:117 Resp: 18310

Ion Ratio Lower Upper

117 100

119 4.9 76.1 114.1#

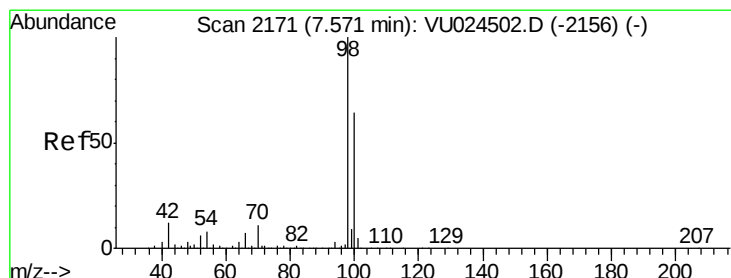
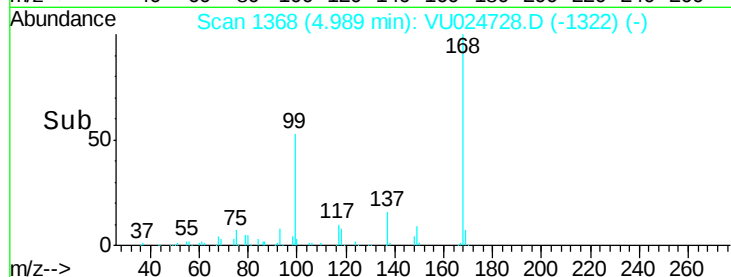
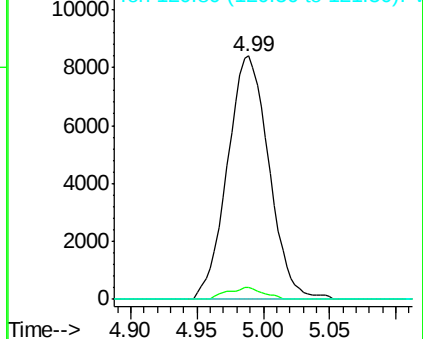
121 0.0 23.7 35.5#



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



#50

Toluene-d8

Concen: 48.397 ug/l

RT: 7.57 min Scan# 2170

Delta R.T. -0.00 min

Lab File: VU024728.D

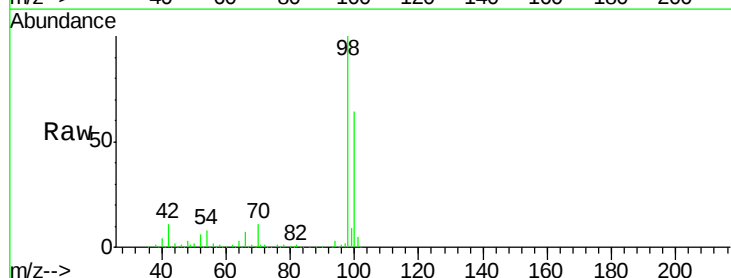
Acq: 19 Jun 2018 07:09

Tgt Ion: 98 Resp: 442048

Ion Ratio Lower Upper

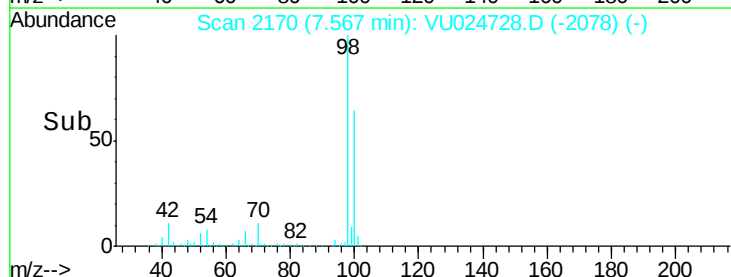
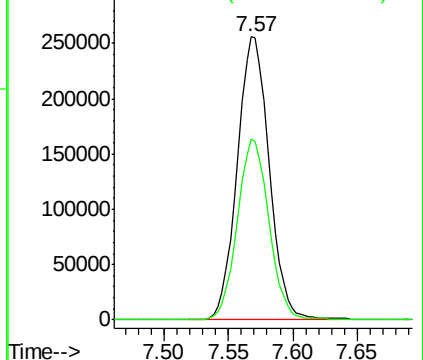
98 100

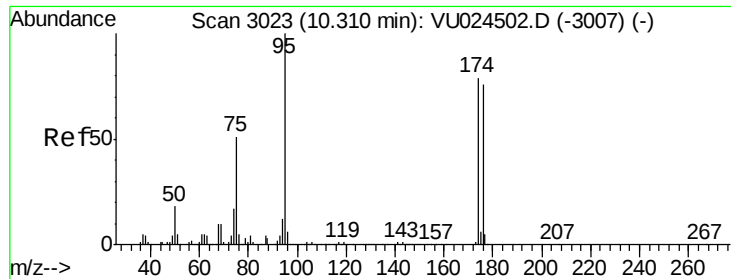
100 63.4 51.1 76.7



Abundance Ion 98.00 (97.70 to 98.70): VU0

Ion 100.00 (99.70 to 100.70): VU





#62

4-Bromofluorobenzene

Concen: 43.368 ug/l

RT: 10.31 min Scan# 3023

Delta R.T. 0.00 min

Lab File: VU024728.D

Acq: 19 Jun 2018 07:09

Instrument :

MSVOA_U

ClientSampleId :

SS042RW180-180614

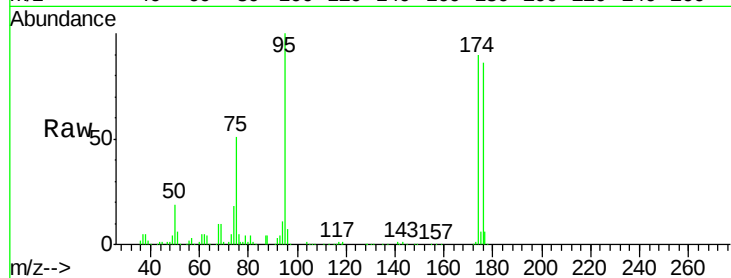
Tgt Ion: 95 Resp: 157273

Ion Ratio Lower Upper

95 100

174 87.1 0.0 165.8

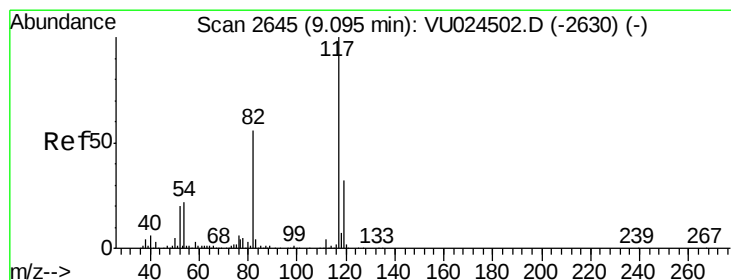
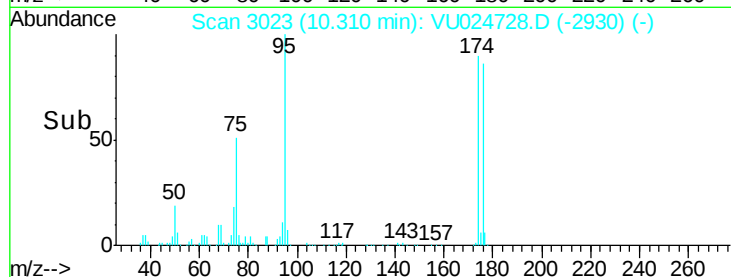
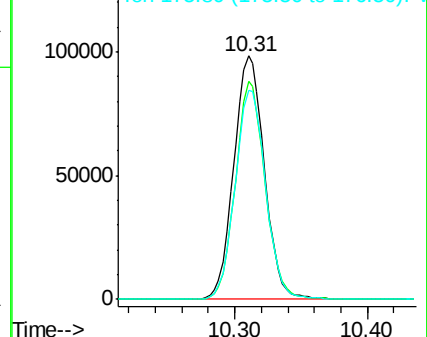
176 86.0 0.0 159.4



Abundance Ion 94.90 (94.60 to 95.60): VU024728.D (-2930) (-)

Ion 173.80 (173.50 to 174.50): VU024728.D (-2930) (-)

Ion 175.80 (175.50 to 176.50): VU024728.D (-2930) (-)



#63

Chlorobenzene-d5

Concen: 50.000 ug/l

RT: 9.09 min Scan# 2644

Delta R.T. -0.00 min

Lab File: VU024728.D

Acq: 19 Jun 2018 07:09

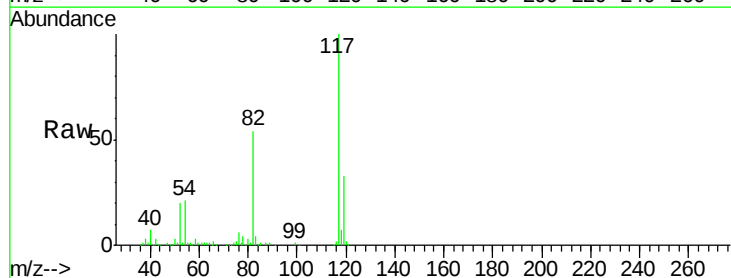
Tgt Ion: 117 Resp: 277774

Ion Ratio Lower Upper

117 100

82 54.3 44.3 66.5

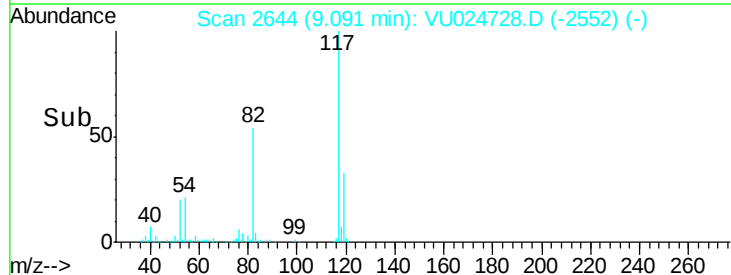
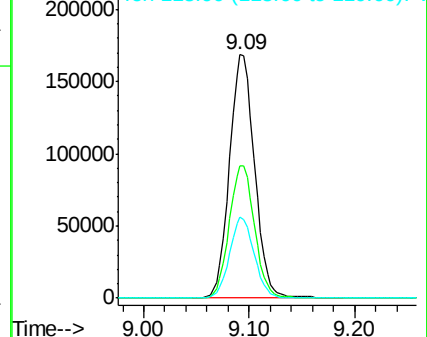
119 33.1 25.4 38.2

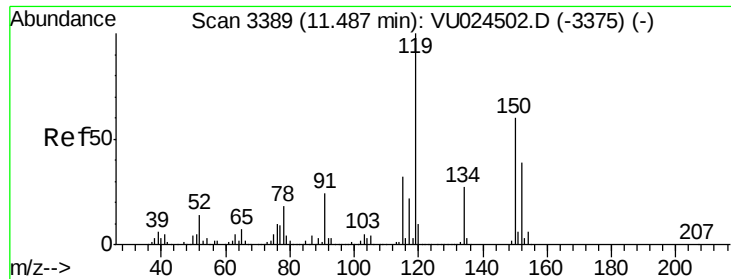


Abundance Ion 116.90 (116.60 to 117.60): VU024728.D (-2552) (-)

Ion 82.00 (81.70 to 82.70): VU024728.D (-2552) (-)

Ion 118.90 (118.60 to 119.60): VU024728.D (-2552) (-)





#72

1,4-Dichlorobenzene-d4

Concen: 50.000 ug/l

RT: 11.49 min Scan# 3389

Delta R.T. 0.00 min

Lab File: VU024728.D

Acq: 19 Jun 2018 07:09

Instrument :

MSVOA_U

ClientSampleId :

SS042RW180-180614

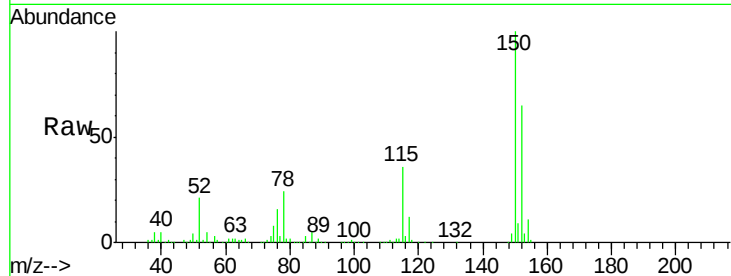
Tgt Ion:152 Resp: 150878

Ion Ratio Lower Upper

152 100

115 56.6 43.0 129.0

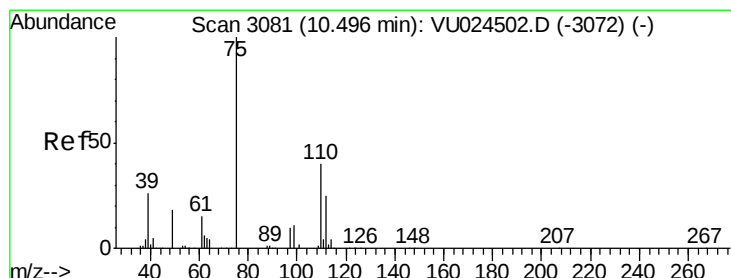
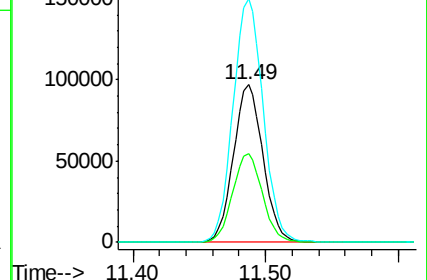
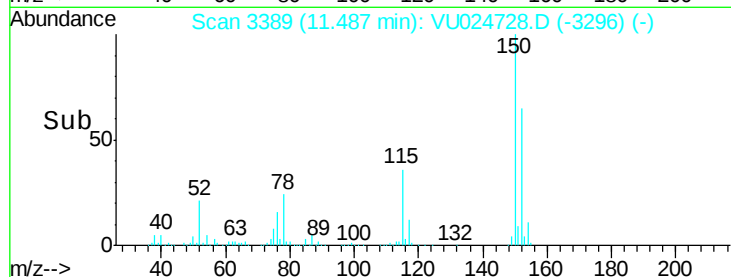
150 156.7 0.0 354.0



Abundance Ion 151.90 (151.60 to 152.60): V

Ion 114.90 (114.60 to 115.60): V

Ion 149.90 (149.60 to 150.60): V



#76

1,2,3-Trichloropropane

Concen: 23.797 ug/l

RT: 10.31 min Scan# 3023

Delta R.T. -0.19 min

Lab File: VU024728.D

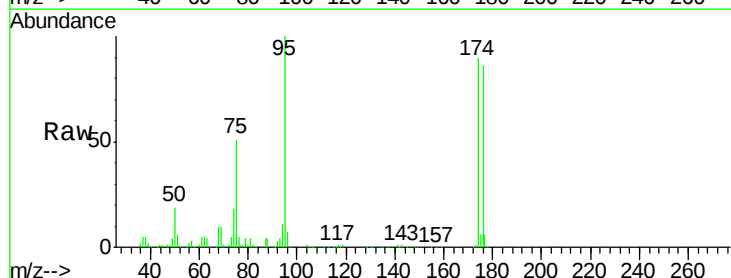
Acq: 19 Jun 2018 07:09

Tgt Ion: 75 Resp: 79048

Ion Ratio Lower Upper

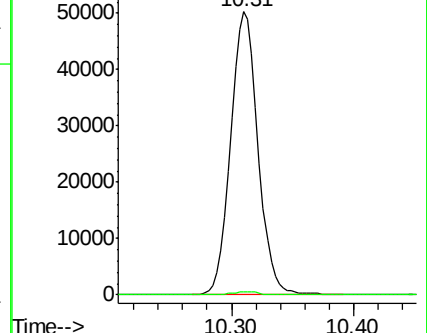
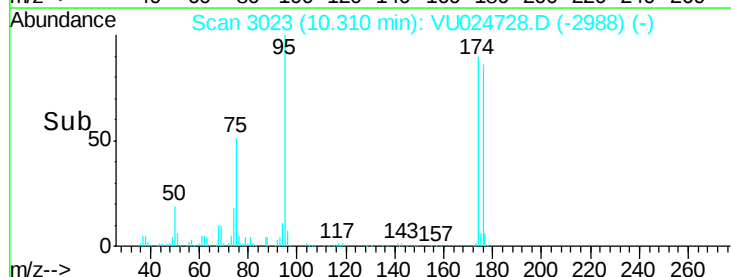
75 100

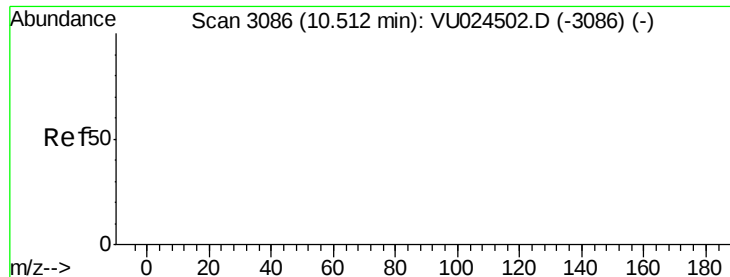
77 1.2 20.9 62.7#



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: 55.076 ug/l

RT: 10.31 min Scan# 3023

Delta R.T. -0.20 min

Lab File: VU024728.D

Acq: 19 Jun 2018 07:09

Instrument :

MSVOA_U

ClientSampleId :

SS042RW180-180614

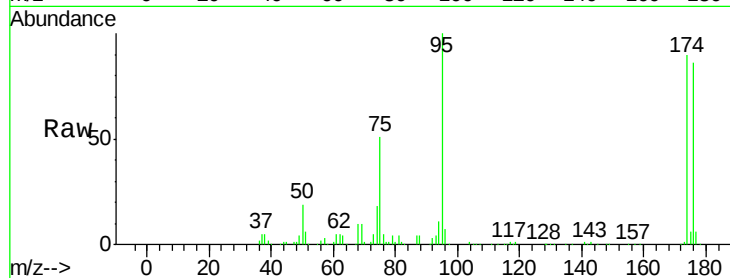
Tgt Ion: 75 Resp: 79048

Ion Ratio Lower Upper

75 100

53 0.0 0.0 0.0

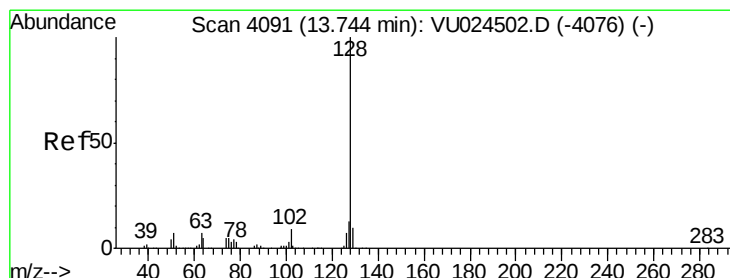
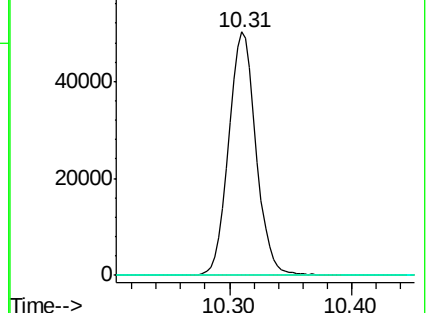
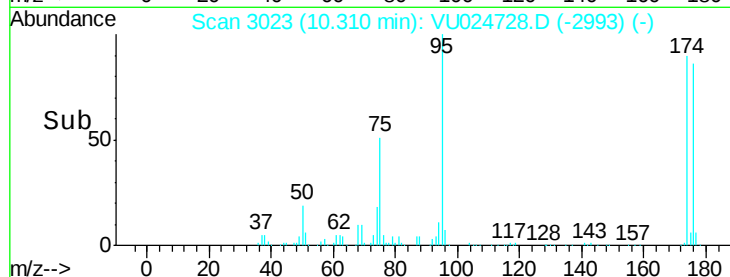
89 0.0 0.0 0.0



Abundance Ion 74.90 (74.60 to 75.60): VU024728.D (-2993) (-)

Ion 53.00 (52.70 to 53.70): VU024728.D (-2993) (-)

Ion 88.90 (88.60 to 89.60): VU024728.D (-2993) (-)



#95

Naphthalene

Concen: 0.685 ug/l

RT: 13.76 min Scan# 4095

Delta R.T. 0.01 min

Lab File: VU024728.D

Acq: 19 Jun 2018 07:09

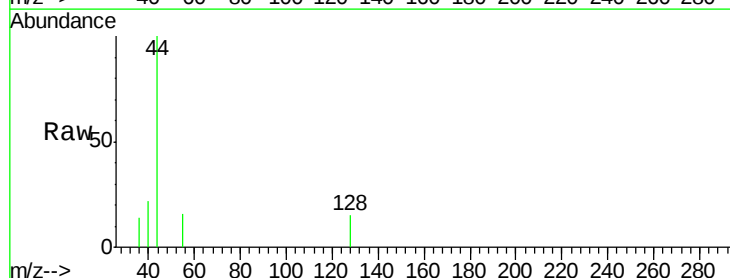
Tgt Ion: 128 Resp: 69

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): VU024728.D (-3997) (-)

Ion 127.00 (126.70 to 127.70): VU024728.D (-3997) (-)

Ion 129.00 (128.70 to 129.70): VU024728.D (-3997) (-)

