

Data Path : Z:\VOASRV\HPCHEM1\MSVOA U\DATA\VU071018\
 Data File : VU025285.D
 Acq On : 10 Jul 2018 13:38
 Operator : MD/SY
 Sample : J3905-10
 Misc : 5.0mL/MSVOA U/WATER
 ALS Vial : 6 Sample Multiplier: 1

Instrument :
 MSVOA_U
 ClientSampleId :
 TRIP-BLANK

Quant Time: Jul 11 02:00:45 2018
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_U\METHOD\82U070918W.M
 Quant Title : SW846 8260
 QLast Update : Tue Jul 10 09:34:16 2018
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	4.99	168	205261	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	5.89	114	310473	50.00	ug/l	0.00
63) Chlorobenzene-d5	9.09	117	286288	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	11.49	152	147786	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	154648	48.49	ug/l	0.00
Spiked Amount			Recovery	=	96.98%	
35) Dibromofluoromethane	4.89	113	121392	46.35	ug/l	0.00
Spiked Amount			Recovery	=	92.70%	
50) Toluene-d8	7.57	98	440614	49.13	ug/l	0.00
Spiked Amount			Recovery	=	98.26%	
62) 4-Bromofluorobenzene	10.31	95	161731	44.79	ug/l	0.00
Spiked Amount			Recovery	=	89.58%	

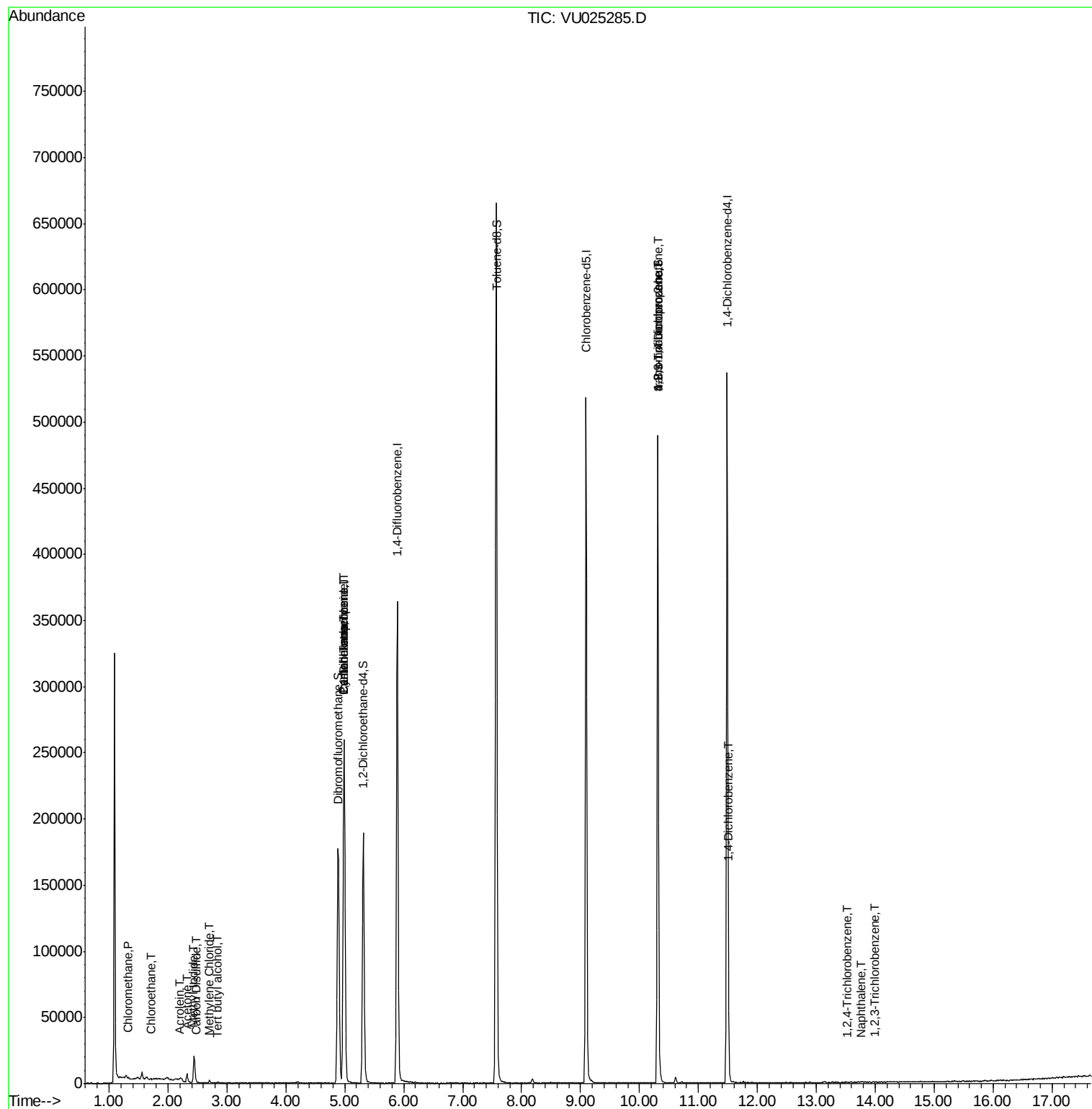
Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
3) Chloromethane	1.33	50	1056	1.06	ug/l	93
5) Bromomethane	1.63	94	777	Below Cal		98
6) Chloroethane	1.71	64	21	0.30	ug/l #	43
10) Methyl Iodide	2.42	142	479	7.86	ug/l #	77
11) Tert butyl alcohol	2.84	59	500	0.72	ug/l #	73
13) Acrolein	2.20	56	214	0.46	ug/l #	65
16) Acetone	2.32	43	6951	9.06	ug/l	99
17) Carbon Disulfide	2.48	76	395	1.99	ug/l #	74
20) Methylene Chloride	2.70	84	963	1.08	ug/l #	67
31) Cyclohexane	4.99	56	3864	1.69	ug/l #	4
36) 1,1-Dichloropropene	4.99	75	14850	4.30	ug/l #	48
38) Carbon Tetrachloride	4.99	117	19649	5.29	ug/l #	15
76) 1,2,3-Trichloropropane	10.31	75	84323	28.03	ug/l #	36
81) trans-1,4-Dichloro-2-buten	10.31	75	84323	71.62	ug/l #	100
88) 1,4-Dichlorobenzene	11.52	146	279	1.54	ug/l #	25
93) 1,2,4-Trichlorobenzene	13.52	180	201	3.34	ug/l #	63
95) Naphthalene	13.77	128	828	2.49	ug/l #	69
96) 1,2,3-Trichlorobenzene	14.00	180	312	2.61	ug/l #	81

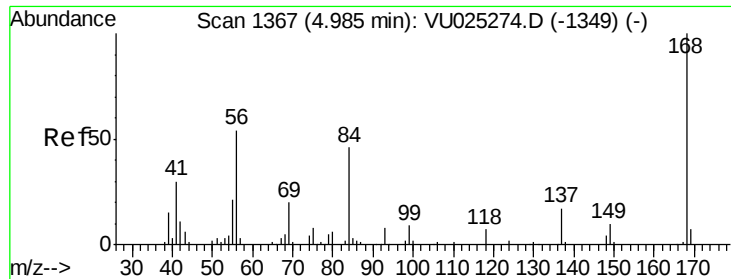
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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#1

Pentafluorobenzene

Concen: 50.00 ug/l

RT: 4.99 min Scan# 1368

Delta R.T. 0.00 min

Lab File: VU025285.D

Acq: 10 Jul 2018 13:38

Instrument :

MSVOA_U

ClientSampleId :

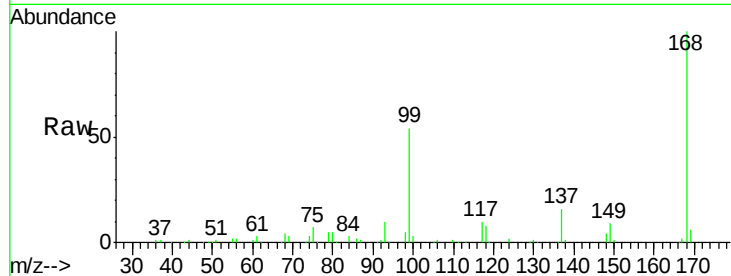
TRIP-BLANK

Tot Ion:168 Resp: 205261

Ion Ratio Lower Upper

168 100

99 53.9 42.8 64.2



Abundance Ion 167.90 (167.60 to 168.60): VU025274.D (-1349) (-)

Ion 98.90 (98.60 to 99.60): VU025274.D (-1349) (-)

4.99

100000

80000

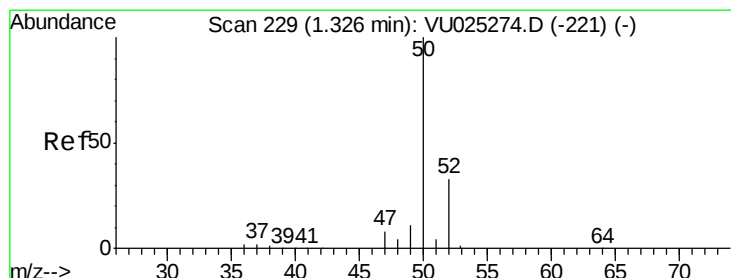
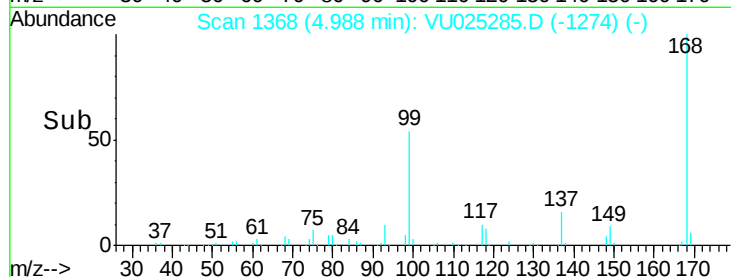
60000

40000

20000

0

Time-->



#3

Chloromethane

Concen: 1.06 ug/l

RT: 1.33 min Scan# 230

Delta R.T. 0.00 min

Lab File: VU025285.D

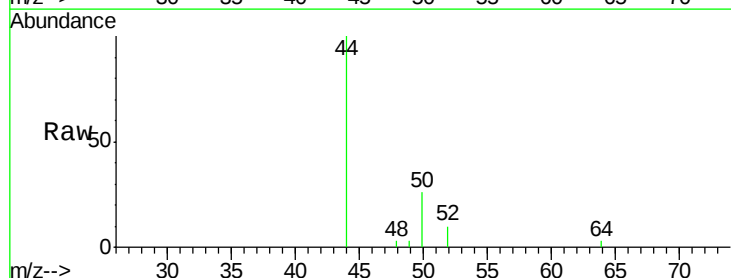
Acq: 10 Jul 2018 13:38

Tgt Ion: 50 Resp: 1056

Ion Ratio Lower Upper

50 100

52 37.2 26.5 39.7



Abundance Ion 49.90 (49.60 to 50.60): VU025274.D (-221) (-)

Ion 51.90 (51.60 to 52.60): VU025274.D (-221) (-)

1.33

1000

800

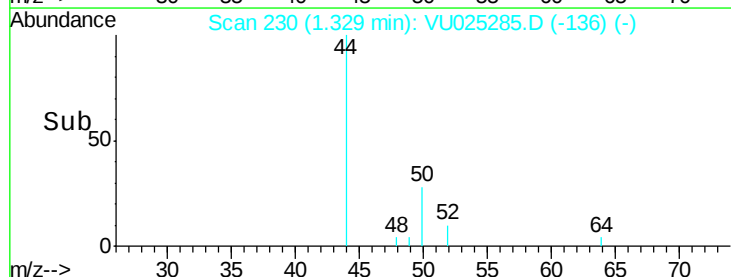
600

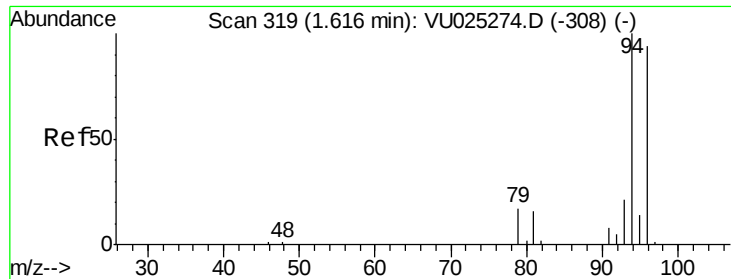
400

200

0

Time-->





#5

Bromomethane

Concen: Below Cal

RT: 1.63 min Scan# 324

Delta R.T. 0.02 min

Lab File: VU025285.D

Acq: 10 Jul 2018 13:38

Instrument :

MSVOA_U

ClientSampleId :

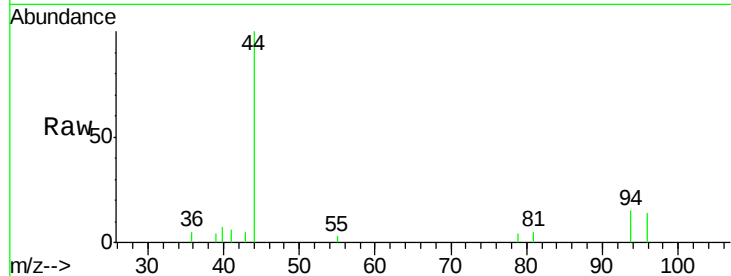
TRIP-BLANK

Tot Ion: 94 Resp: 777

Ion Ratio Lower Upper

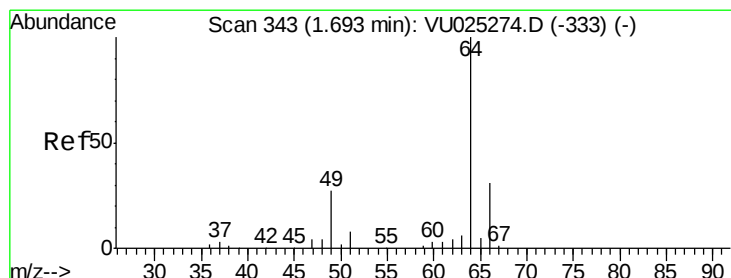
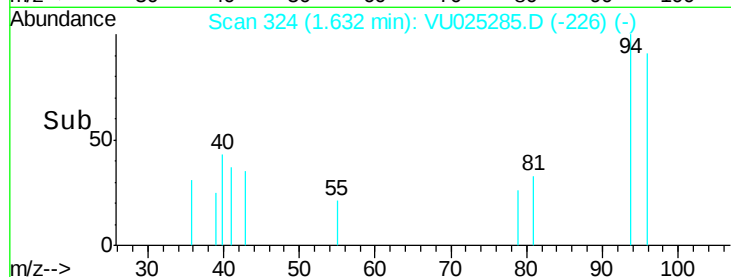
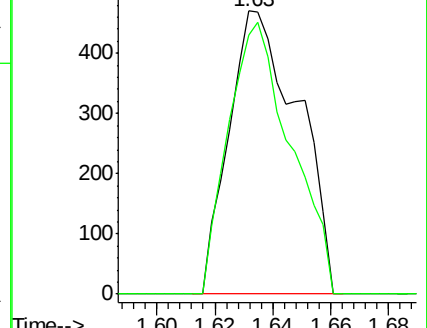
94 100

96 91.5 75.0 112.4



Abundance Ion 93.90 (93.60 to 94.60): VU0

Ion 95.90 (95.60 to 96.60): VU0



#6

Chloroethane

Concen: 0.30 ug/l

RT: 1.71 min Scan# 349

Delta R.T. 0.02 min

Lab File: VU025285.D

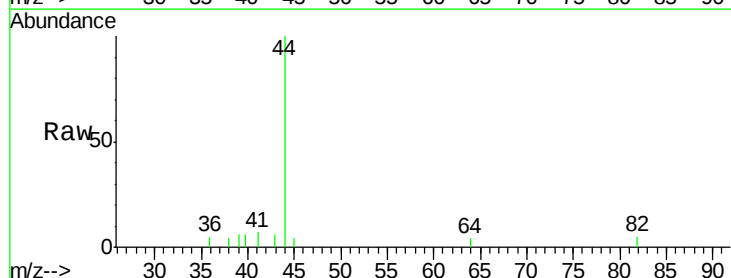
Acq: 10 Jul 2018 13:38

Tgt Ion: 64 Resp: 21

Ion Ratio Lower Upper

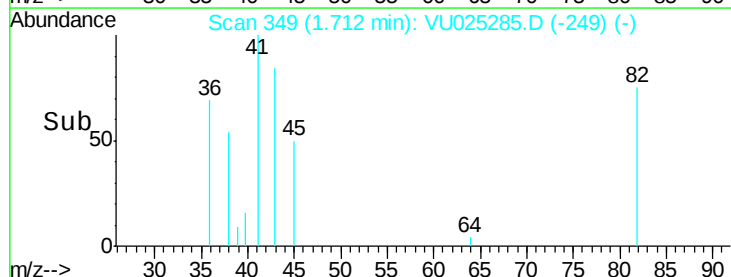
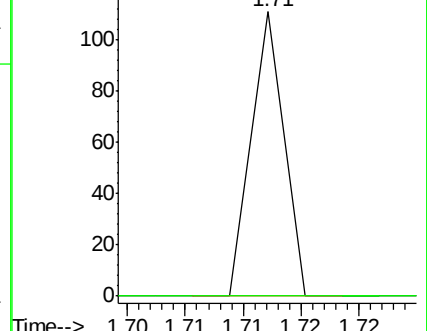
64 100

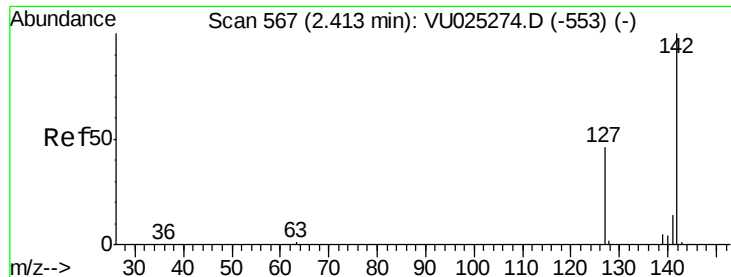
66 0.0 25.0 37.4#



Abundance Ion 63.90 (63.60 to 64.60): VU0

Ion 65.90 (65.60 to 66.60): VU0

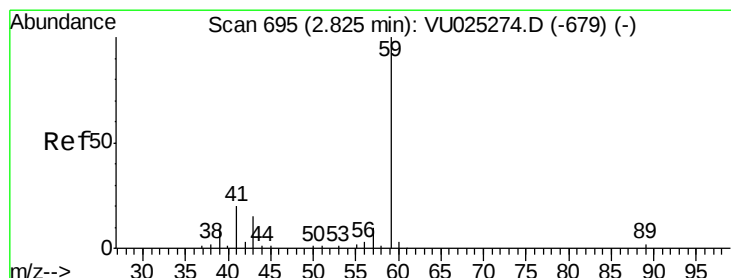
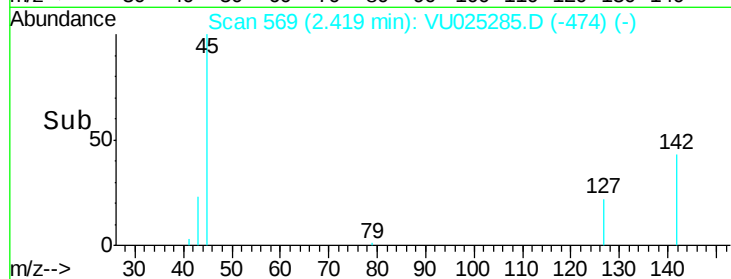
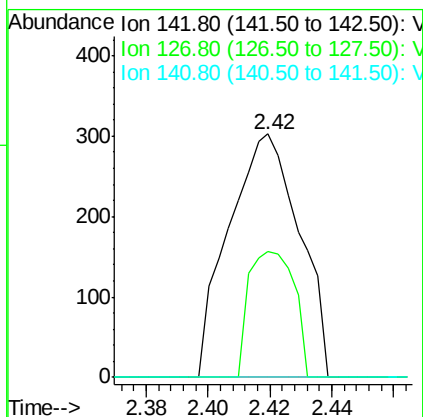
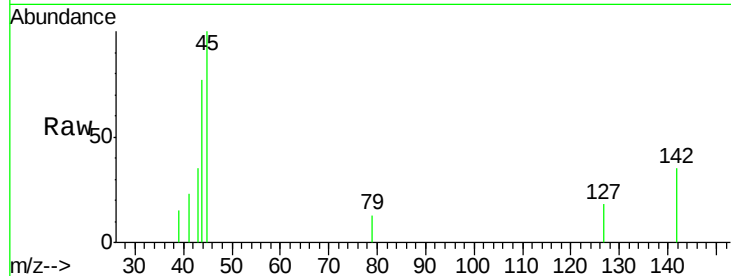




#10
Methyl Iodide
Concen: 7.86 ug/l
RT: 2.42 min Scan# 569
Delta R.T. 0.01 min
Lab File: VU025285.D
Acq: 10 Jul 2018 13:38

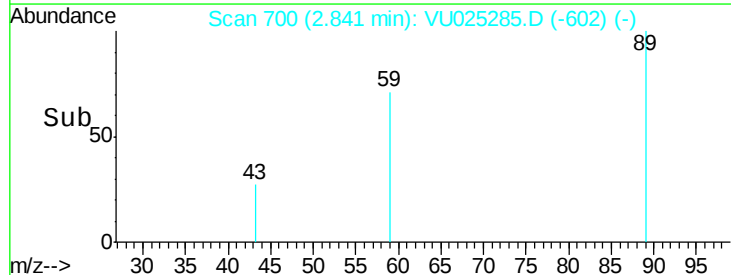
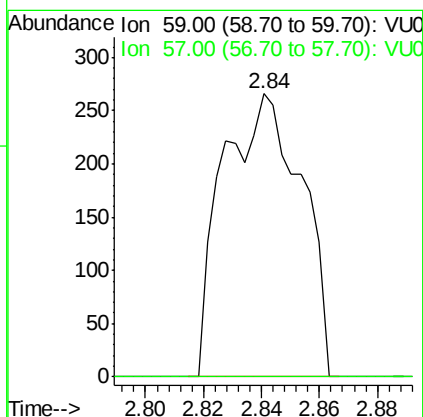
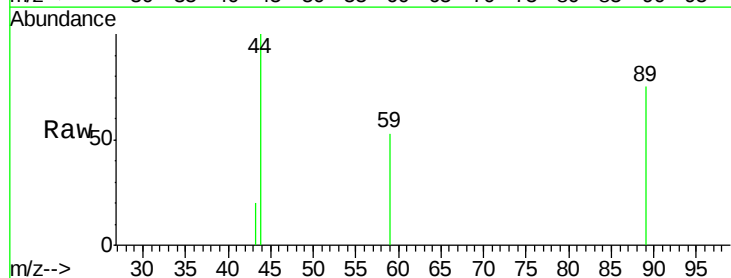
Instrument :
MSVOA_U
ClientSampleId :
TRIP-BLANK

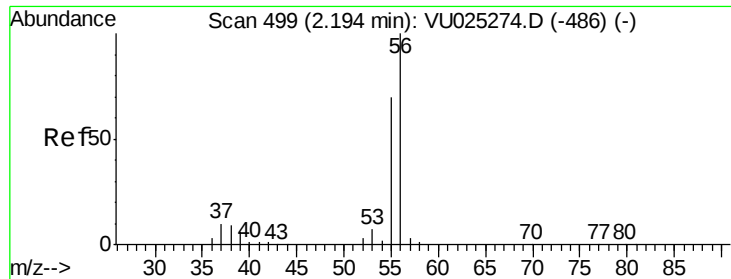
Tot Ion:142 Resp: 479
Ion Ratio Lower Upper
142 100
127 33.2 36.5 54.7#
141 0.0 11.4 17.2#



#11
Tert butyl alcohol
Concen: 0.72 ug/l
RT: 2.84 min Scan# 700
Delta R.T. 0.02 min
Lab File: VU025285.D
Acq: 10 Jul 2018 13:38

Tgt Ion: 59 Resp: 500
Ion Ratio Lower Upper
59 100
57 0.0 8.2 12.2#





#13

Acrolein

Concen: 0.46 ug/l

RT: 2.20 min Scan# 502

Delta R.T. 0.01 min

Lab File: VU025285.D

Acq: 10 Jul 2018 13:38

Instrument :

MSVOA_U

ClientSampleId :

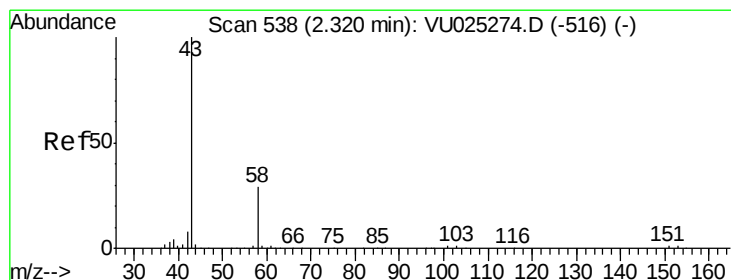
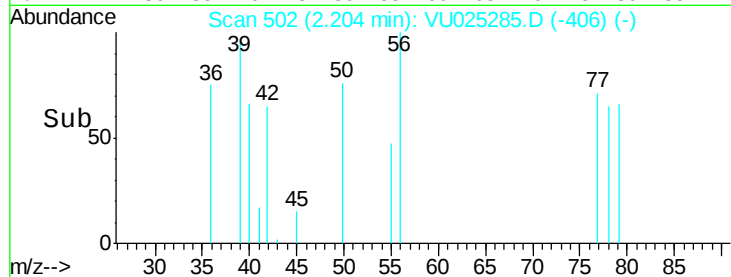
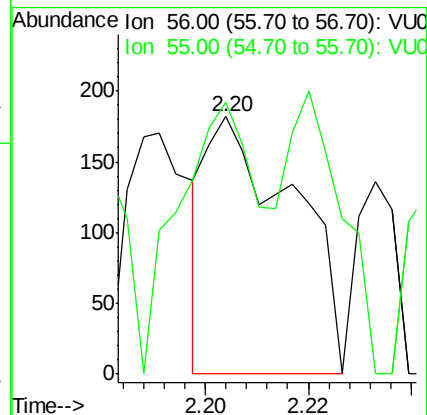
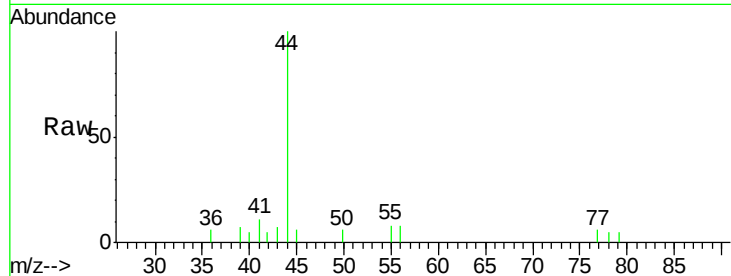
TRIP-BLANK

Tot Ion: 56 Resp: 214

Ion Ratio Lower Upper

56 100

55 100.5 57.2 85.8#



#16

Acetone

Concen: 9.06 ug/l

RT: 2.32 min Scan# 539

Delta R.T. 0.00 min

Lab File: VU025285.D

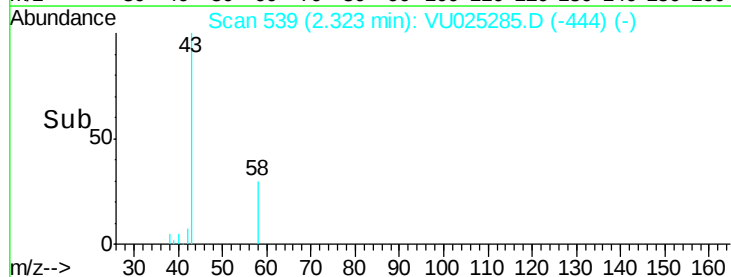
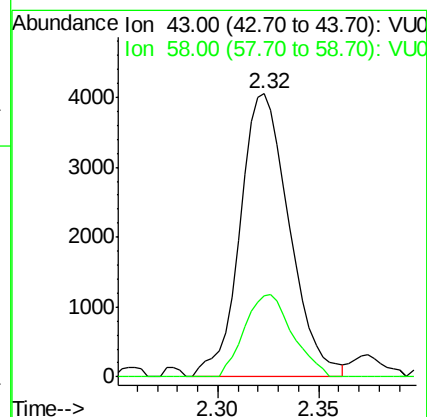
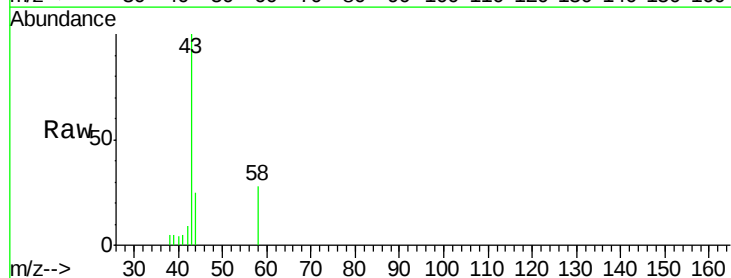
Acq: 10 Jul 2018 13:38

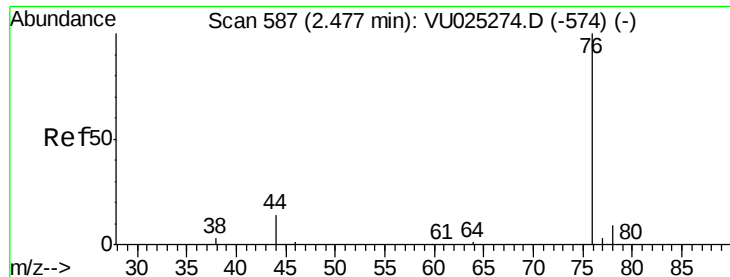
Tgt Ion: 43 Resp: 6951

Ion Ratio Lower Upper

43 100

58 28.5 23.1 34.7





#17

Carbon Disulfide

Concen: 1.99 ug/l

RT: 2.48 min Scan# 588

Delta R.T. 0.00 min

Lab File: VU025285.D

Acq: 10 Jul 2018 13:38

Instrument :

MSVOA_U

ClientSampleId :

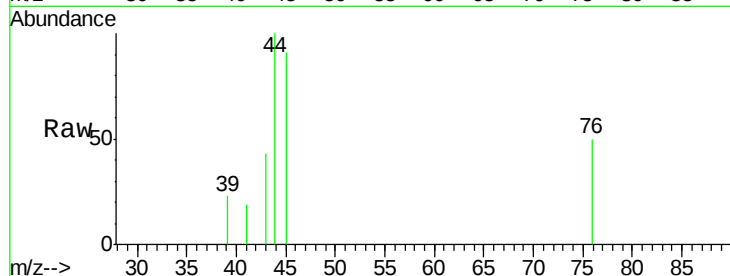
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Tot Ion: 76 Resp: 395

Ion Ratio Lower Upper

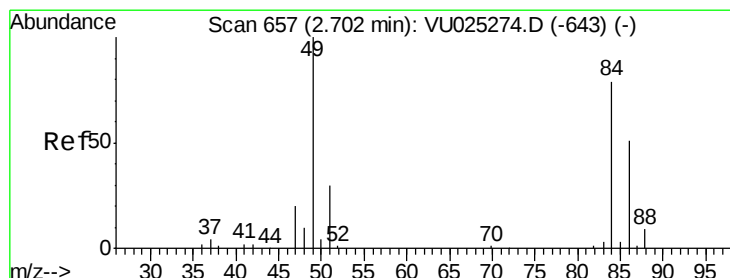
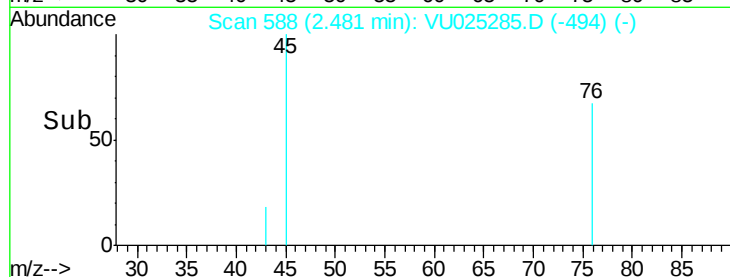
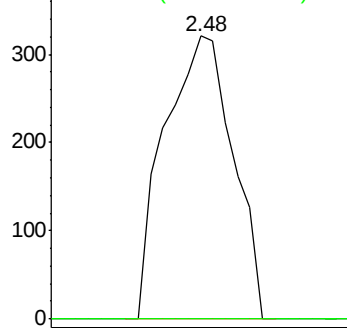
76 100

78 0.0 7.4 11.2#



Abundance Ion 75.90 (75.60 to 76.60): VU0

Ion 77.90 (77.60 to 78.60): VU0



#20

Methylene Chloride

Concen: 1.08 ug/l

RT: 2.70 min Scan# 657

Delta R.T. 0.00 min

Lab File: VU025285.D

Acq: 10 Jul 2018 13:38

Tgt Ion: 84 Resp: 963

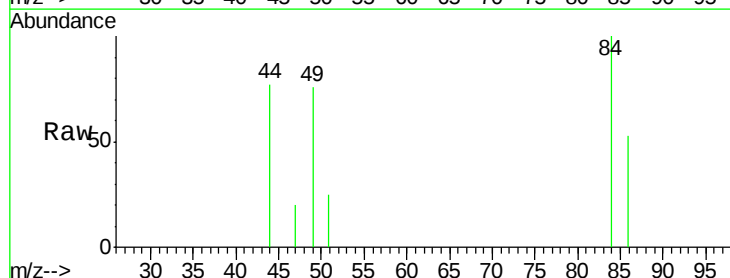
Ion Ratio Lower Upper

84 100

49 75.7 101.8 152.6#

51 24.8 30.8 46.2#

86 53.5 51.9 77.9

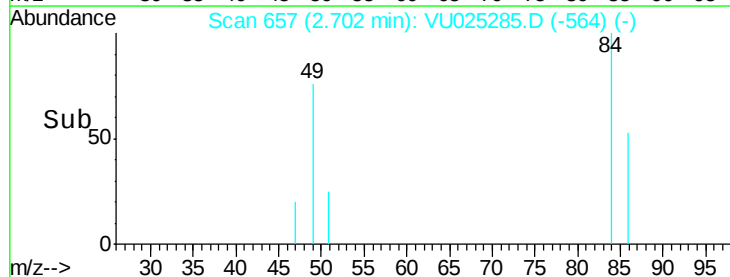
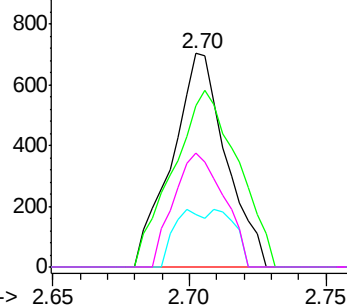


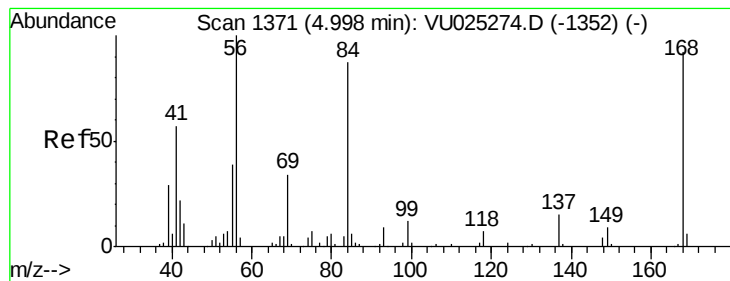
Abundance Ion 83.90 (83.60 to 84.60): VU0

Ion 48.90 (48.60 to 49.60): VU0

Ion 50.90 (50.60 to 51.60): VU0

Ion 85.90 (85.60 to 86.60): VU0





#31

Cyclohexane

Concen: 1.69 ug/l

RT: 4.99 min Scan# 1367

Delta R.T. -0.01 min

Lab File: VU025285.D

Acq: 10 Jul 2018 13:38

Instrument :

MSVOA_U

ClientSampleId :

TRIP-BLANK

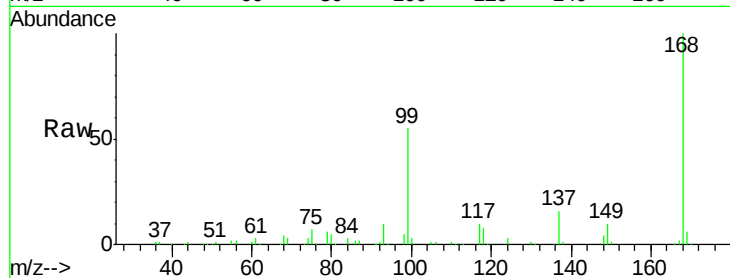
Tot Ion: 56 Resp: 3864

Ion Ratio Lower Upper

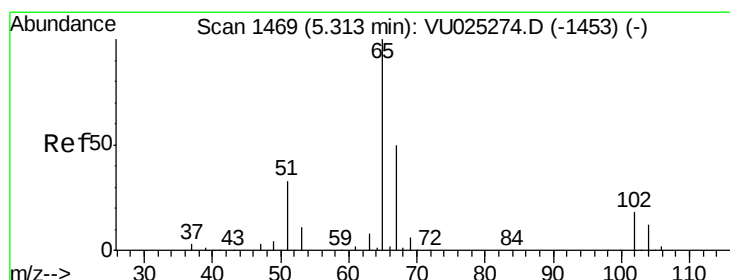
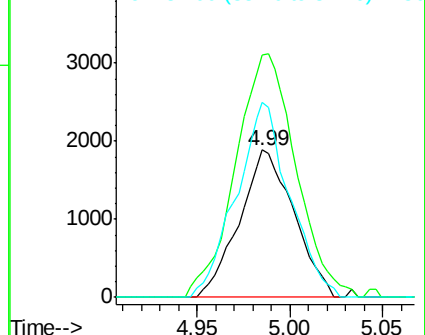
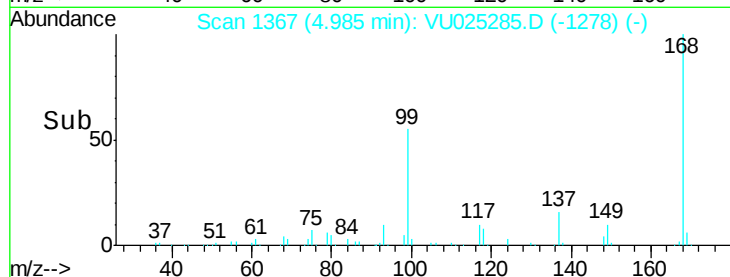
56 100

69 157.1 26.8 40.2#

84 132.4 69.7 104.5#



Abundance Ion 56.00 (55.70 to 56.70): VU025285.D (-1278) (-)



#33

1,2-Dichloroethane-d4

Concen: 48.49 ug/l

RT: 5.31 min Scan# 1469

Delta R.T. -0.00 min

Lab File: VU025285.D

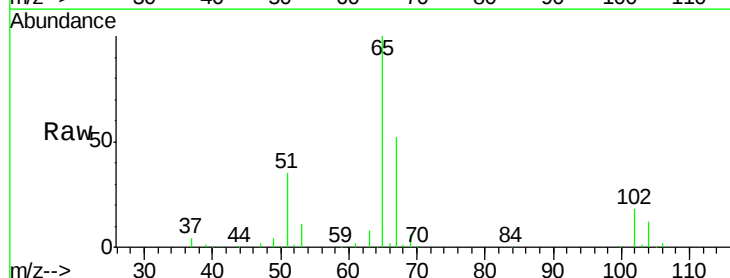
Acq: 10 Jul 2018 13:38

Tgt Ion: 65 Resp: 154648

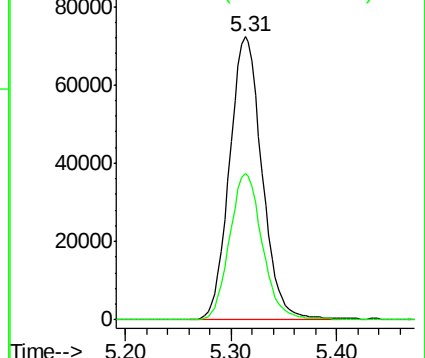
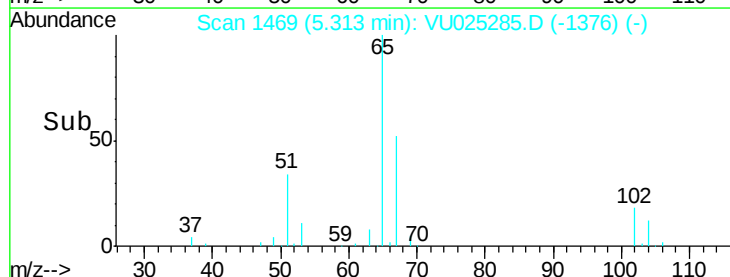
Ion Ratio Lower Upper

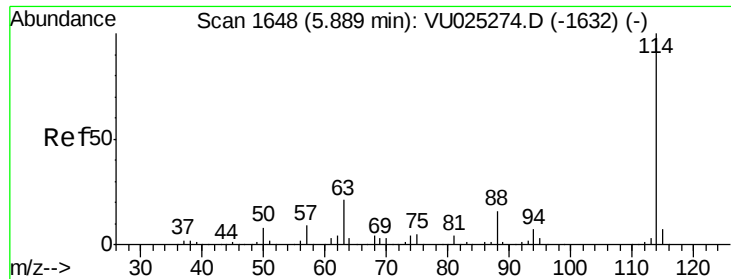
65 100

67 52.0 0.0 103.6



Abundance Ion 64.90 (64.60 to 65.60): VU025285.D (-1376) (-)

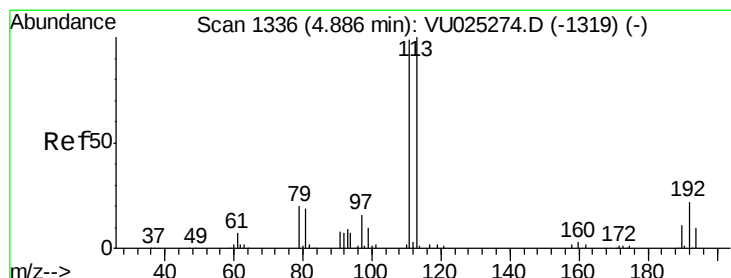
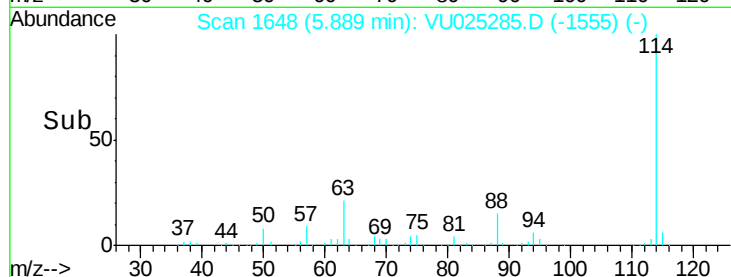
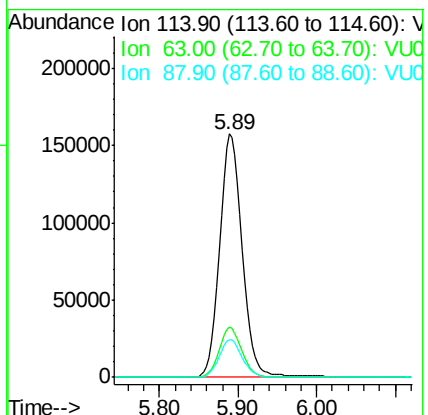
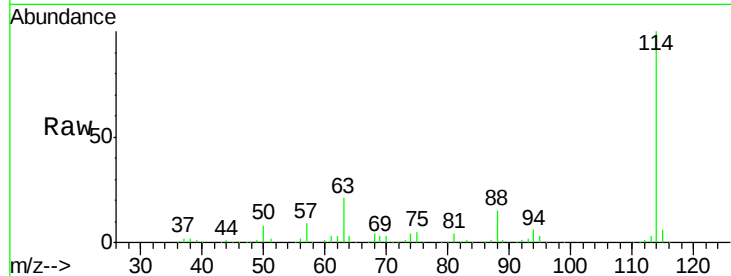




#34
 1,4-Difluorobenzene
 Concen: 50.00 ug/l
 RT: 5.89 min Scan# 1648
 Delta R.T. -0.00 min
 Lab File: VU025285.D
 Acq: 10 Jul 2018 13:38

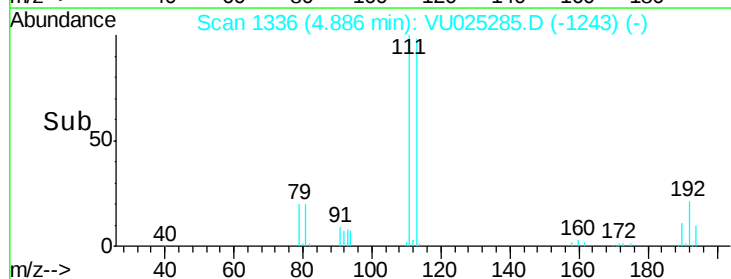
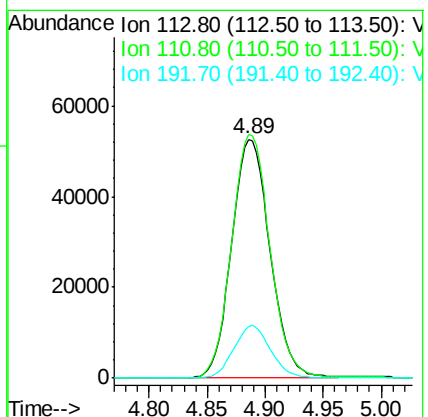
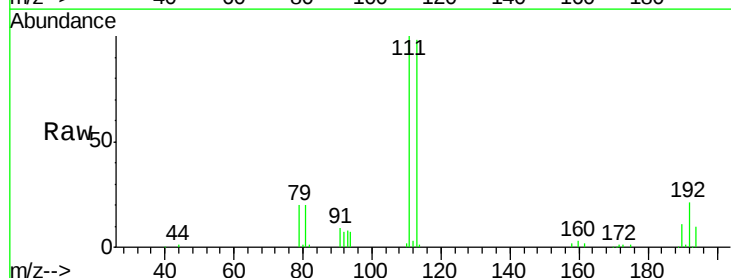
Instrument :
 MSVOA_U
 ClientSampleId :
 TRIP-BLANK

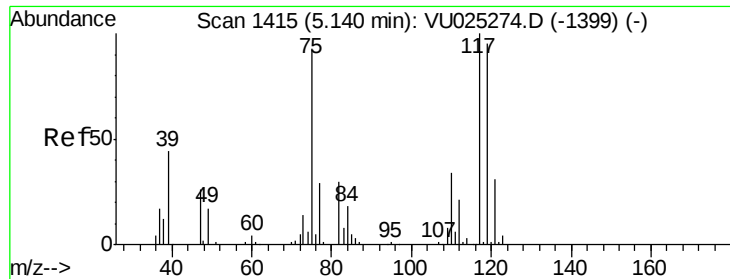
Tot Ion:114 Resp: 310473
 Ion Ratio Lower Upper
 114 100
 63 20.6 0.0 41.6
 88 15.3 0.0 32.4



#35
 Dibromofluoromethane
 Concen: 46.35 ug/l
 RT: 4.89 min Scan# 1336
 Delta R.T. -0.00 min
 Lab File: VU025285.D
 Acq: 10 Jul 2018 13:38

Tgt Ion:113 Resp: 121392
 Ion Ratio Lower Upper
 113 100
 111 101.7 81.7 122.5
 192 21.0 17.1 25.7

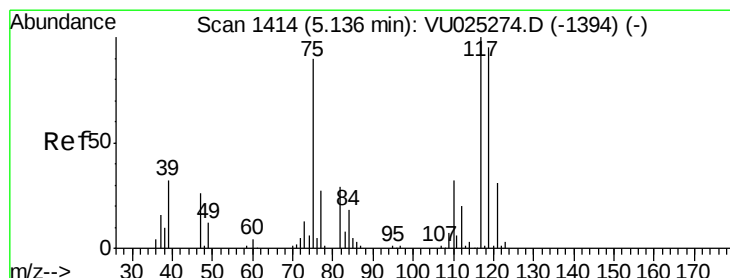
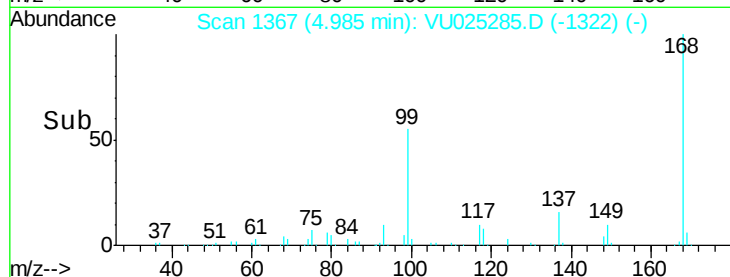
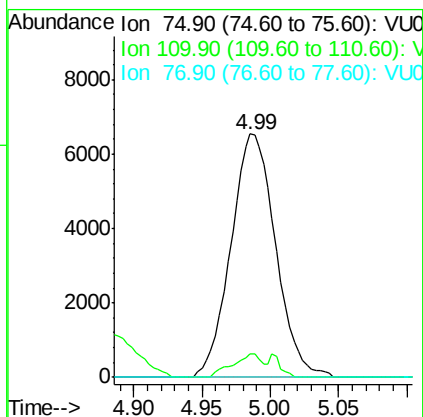
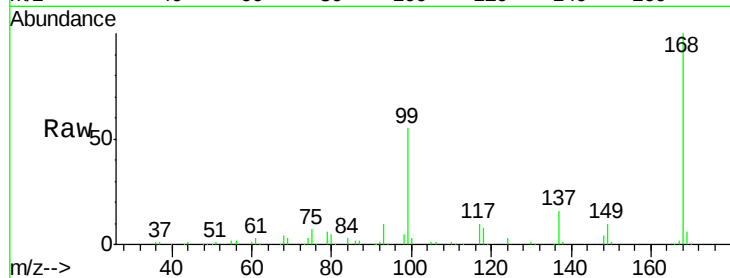




#36
 1,1-Dichloropropene
 Concen: 4.30 ug/l
 RT: 4.99 min Scan# 1367
 Delta R.T. -0.15 min
 Lab File: VU025285.D
 Acq: 10 Jul 2018 13:38

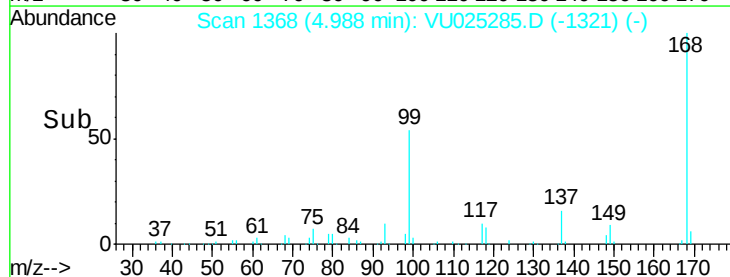
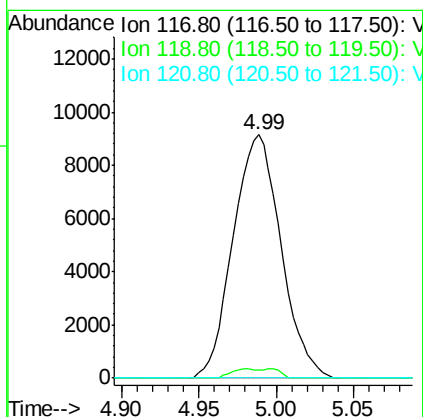
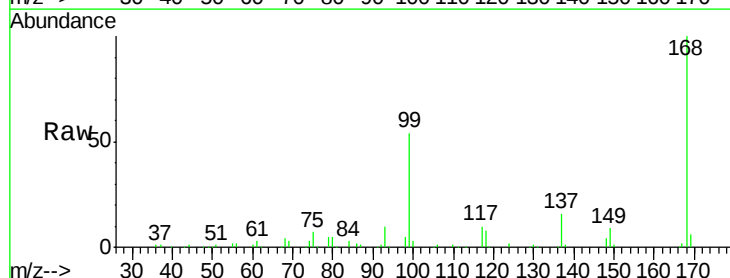
Instrument :
 MSVOA_U
 ClientSampleId :
 TRIP-BLANK

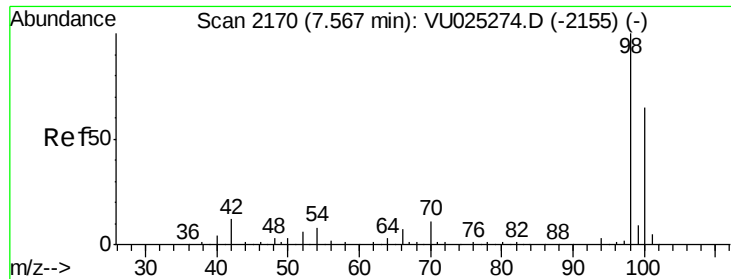
Tot Ion: 75 Resp: 14850
 Ion Ratio Lower Upper
 75 100
 110 6.6 17.6 52.9#
 77 0.0 24.4 36.6#



#38
 Carbon Tetrachloride
 Concen: 5.29 ug/l
 RT: 4.99 min Scan# 1368
 Delta R.T. -0.15 min
 Lab File: VU025285.D
 Acq: 10 Jul 2018 13:38

Tgt Ion: 117 Resp: 19649
 Ion Ratio Lower Upper
 117 100
 119 3.6 75.7 113.5#
 121 0.0 24.6 36.8#





#50

Toluene-d8

Concen: 49.13 ug/l

RT: 7.57 min Scan# 2171

Delta R.T. 0.00 min

Lab File: VU025285.D

Acq: 10 Jul 2018 13:38

Instrument :

MSVOA_U

ClientSampleId :

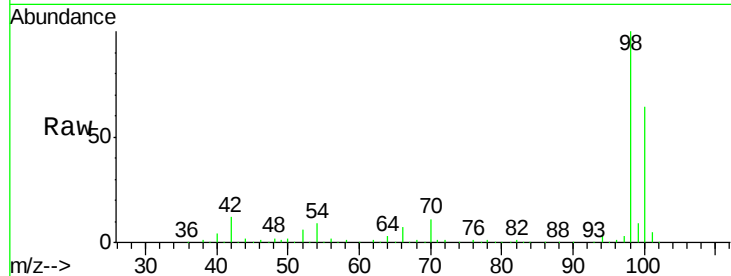
TRIP-BLANK

Tot Ion: 98 Resp: 440614

Ion Ratio Lower Upper

98 100

100 64.3 51.1 76.7



Abundance Ion 98.00 (97.70 to 98.70): VU025274.D (-2155) (-)

Ion 100.00 (99.70 to 100.70): VU025274.D (-2155) (-)

7.57

250000

200000

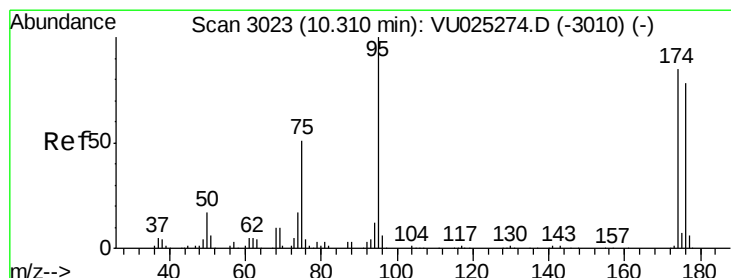
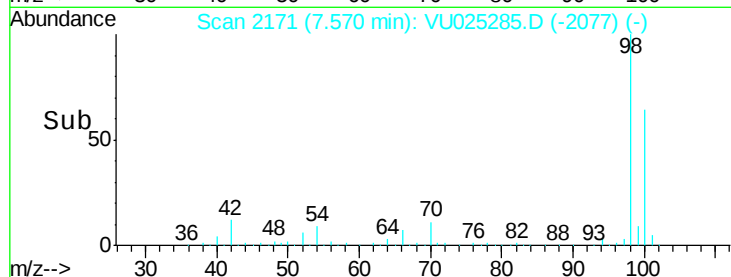
150000

100000

50000

0

Time-->



#62

4-Bromofluorobenzene

Concen: 44.79 ug/l

RT: 10.31 min Scan# 3023

Delta R.T. -0.00 min

Lab File: VU025285.D

Acq: 10 Jul 2018 13:38

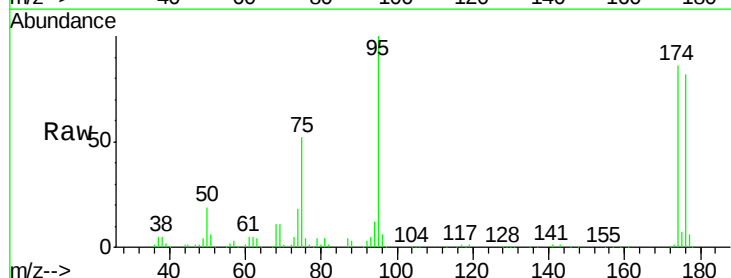
Tgt Ion: 95 Resp: 161731

Ion Ratio Lower Upper

95 100

174 85.7 0.0 172.2

176 82.9 0.0 162.6



Abundance Ion 94.90 (94.60 to 95.60): VU025274.D (-3010) (-)

Ion 173.80 (173.50 to 174.50): VU025274.D (-3010) (-)

Ion 175.80 (175.50 to 176.50): VU025274.D (-3010) (-)

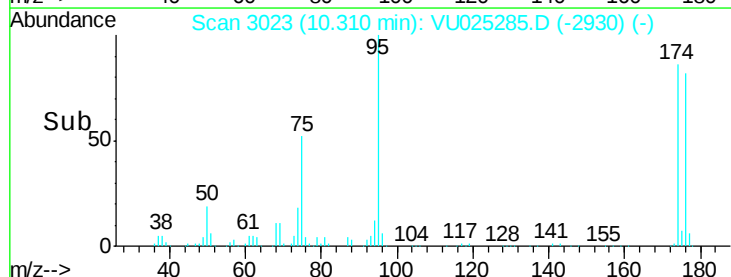
10.31

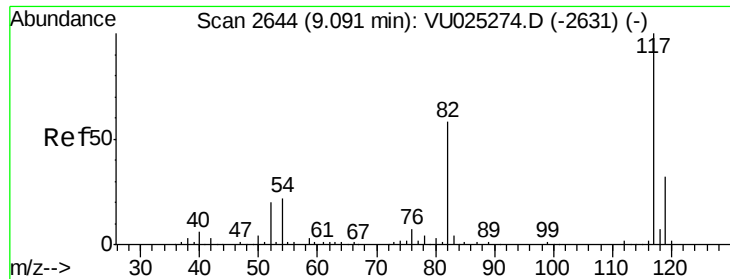
100000

50000

0

Time-->





#63

Chlorobenzene-d5

Concen: 50.00 ug/l

RT: 9.09 min Scan# 2644

Delta R.T. -0.00 min

Lab File: VU025285.D

Acq: 10 Jul 2018 13:38

Instrument :

MSVOA_U

ClientSampleId :

TRIP-BLANK

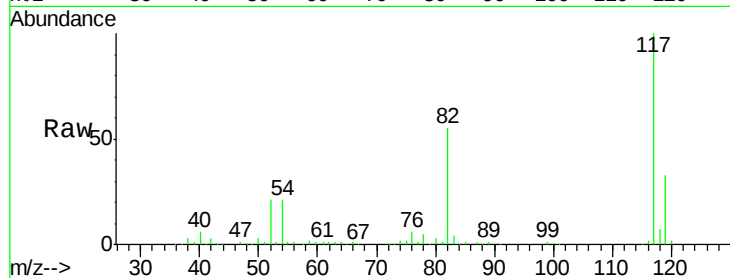
Tot Ion:117 Resp: 286288

Ion Ratio Lower Upper

117 100

82 55.5 46.0 69.0

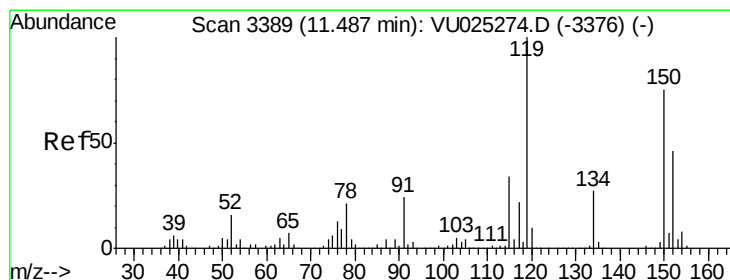
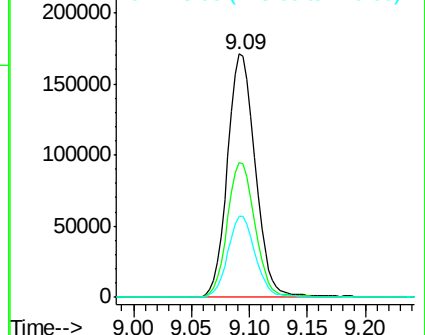
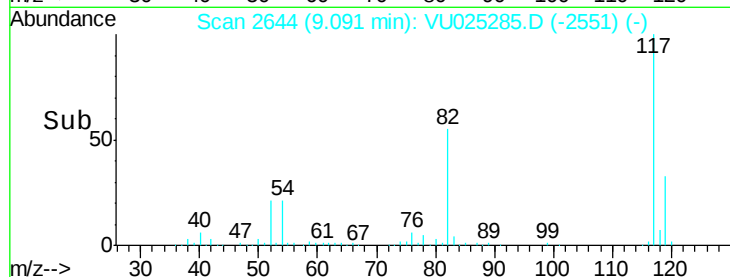
119 33.4 26.0 39.0



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



#72

1,4-Dichlorobenzene-d4

Concen: 50.00 ug/l

RT: 11.49 min Scan# 3390

Delta R.T. 0.00 min

Lab File: VU025285.D

Acq: 10 Jul 2018 13:38

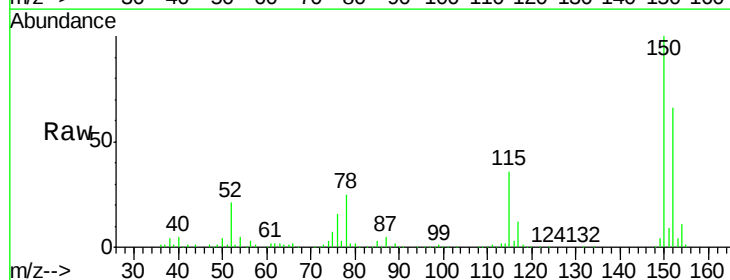
Tgt Ion:152 Resp: 147786

Ion Ratio Lower Upper

152 100

115 56.3 40.1 120.3

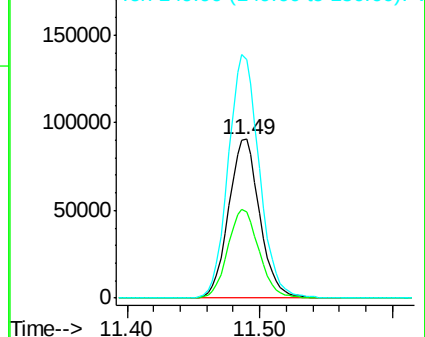
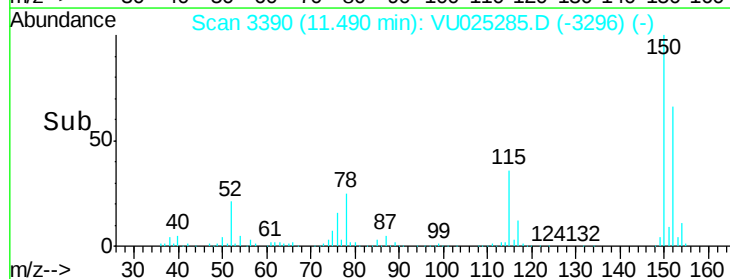
150 153.4 0.0 351.4

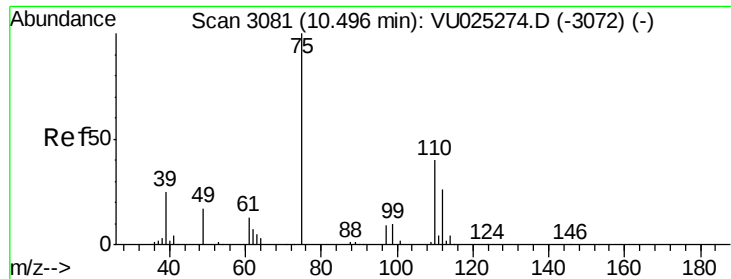


Abundance Ion 151.90 (151.60 to 152.60): V

Ion 114.90 (114.60 to 115.60): V

Ion 149.90 (149.60 to 150.60): V

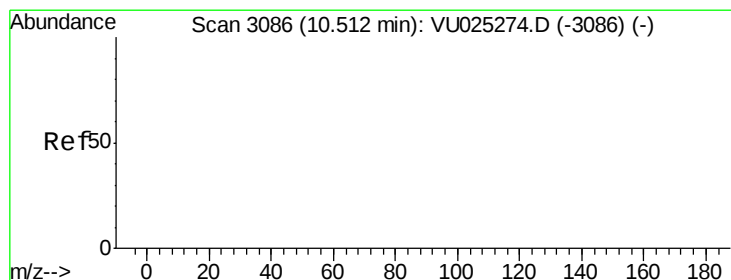
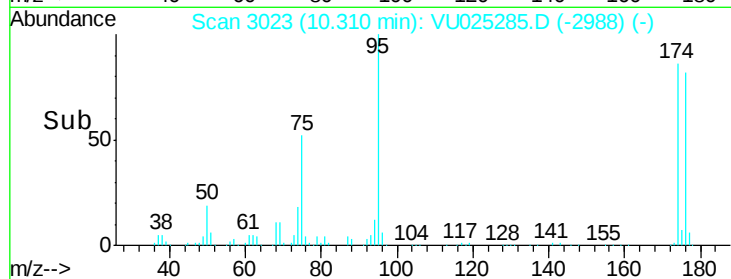
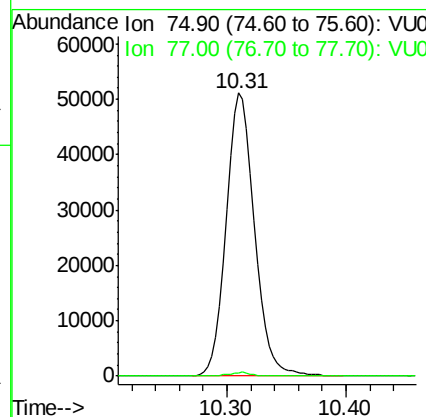
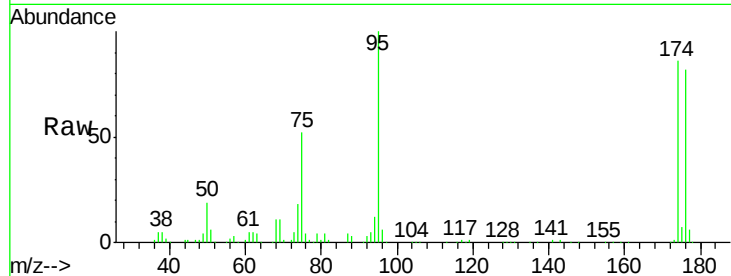




#76
 1,2,3-Trichloropropane
 Concen: 28.03 ug/l
 RT: 10.31 min Scan# 3023
 Delta R.T. -0.19 min
 Lab File: VU025285.D
 Acq: 10 Jul 2018 13:38

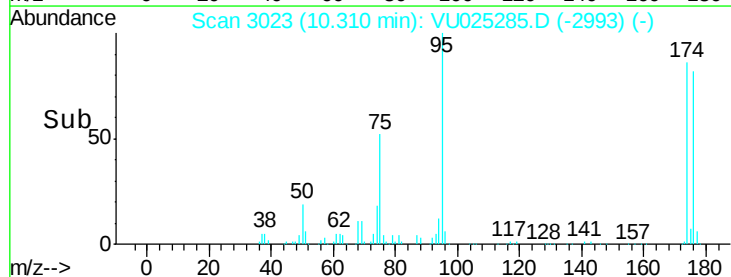
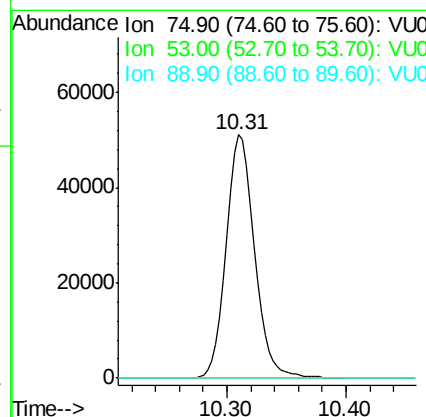
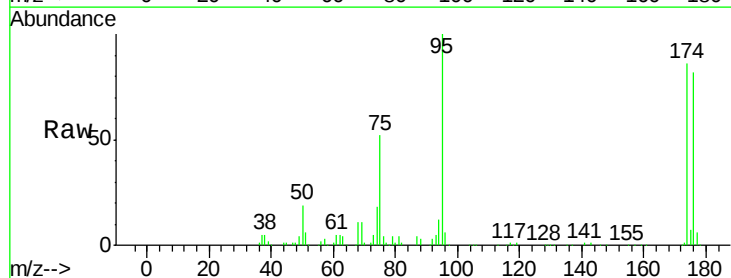
Instrument :
 MSVOA_U
 ClientSampleId :
 TRIP-BLANK

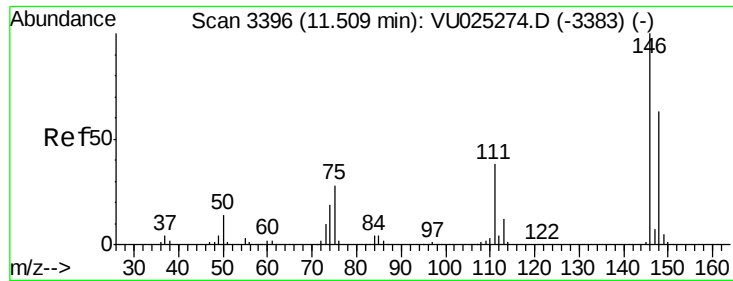
Tot Ion: 75 Resp: 84323
 Ion Ratio Lower Upper
 75 100
 77 1.1 20.4 61.3#



#81
 trans-1,4-Dichloro-2-butene
 Concen: 71.62 ug/l
 RT: 10.31 min Scan# 3023
 Delta R.T. -0.20 min
 Lab File: VU025285.D
 Acq: 10 Jul 2018 13:38

Tgt Ion: 75 Resp: 84323
 Ion Ratio Lower Upper
 75 100
 53 0.0 0.0 0.0
 89 0.0 0.0 0.0

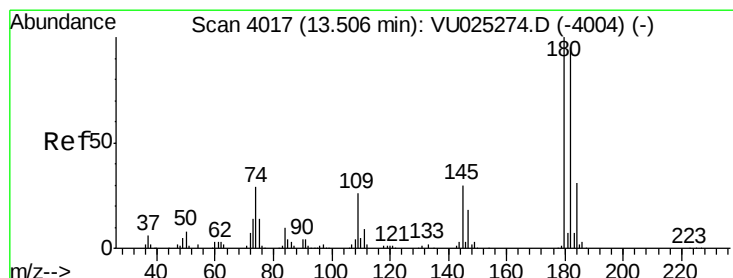
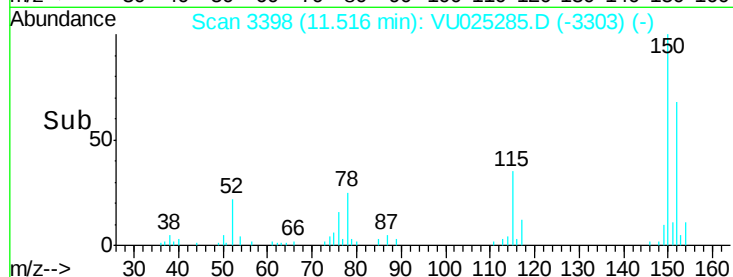
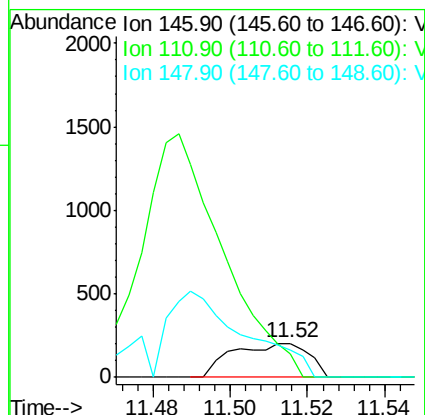
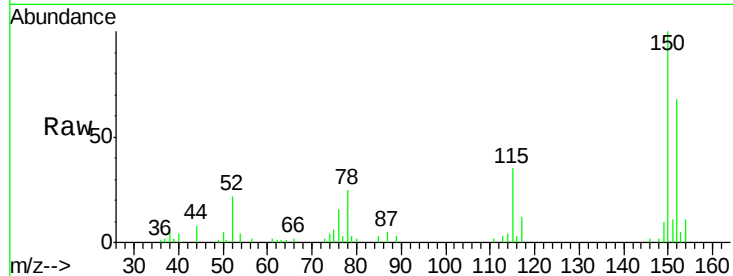




#88
 1,4-Dichlorobenzene
 Concen: 1.54 ug/l
 RT: 11.52 min Scan# 3398
 Delta R.T. 0.01 min
 Lab File: VU025285.D
 Acq: 10 Jul 2018 13:38

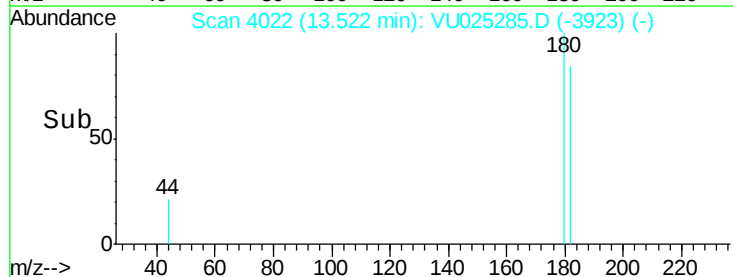
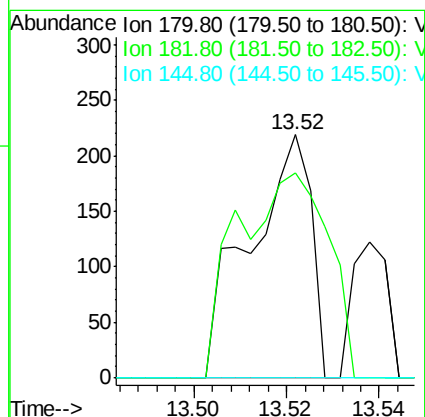
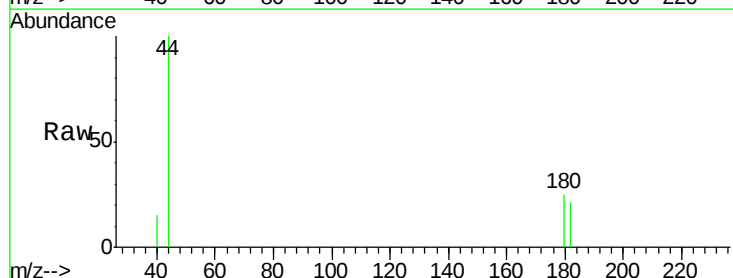
Instrument :
 MSVOA_U
 ClientSampleId :
 TRIP-BLANK

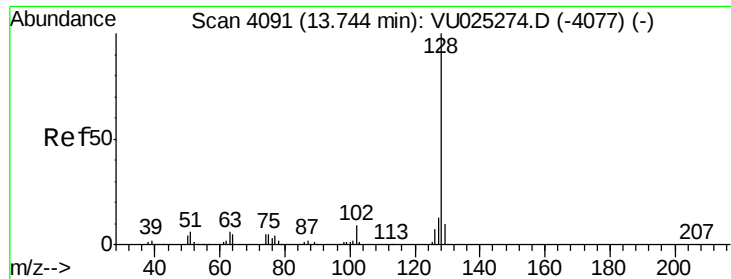
Tot Ion:146 Resp: 279
 Ion Ratio Lower Upper
 146 100
 111 0.0 19.4 58.1#
 148 0.0 31.7 95.1#



#93
 1,2,4-Trichlorobenzene
 Concen: 3.34 ug/l
 RT: 13.52 min Scan# 4022
 Delta R.T. 0.02 min
 Lab File: VU025285.D
 Acq: 10 Jul 2018 13:38

Tgt Ion:180 Resp: 201
 Ion Ratio Lower Upper
 180 100
 182 124.9 47.3 141.9
 145 0.0 14.9 44.7#





#95

Naphthalene

Concen: 2.49 ug/l

RT: 13.77 min Scan# 4100

Delta R.T. 0.03 min

Lab File: VU025285.D

Acq: 10 Jul 2018 13:38

Instrument :

MSVOA_U

ClientSampleId :

TRIP-BLANK

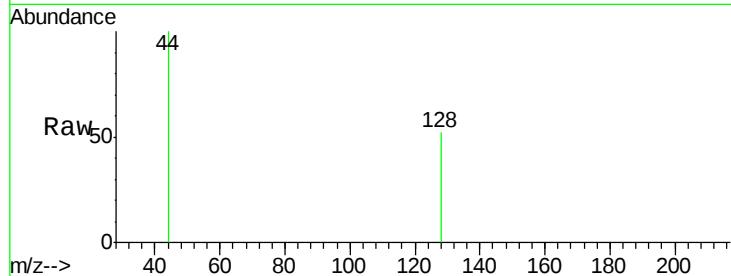
Tot Ion:128 Resp: 828

Ion Ratio Lower Upper

128 100

127 0.0 10.5 15.7#

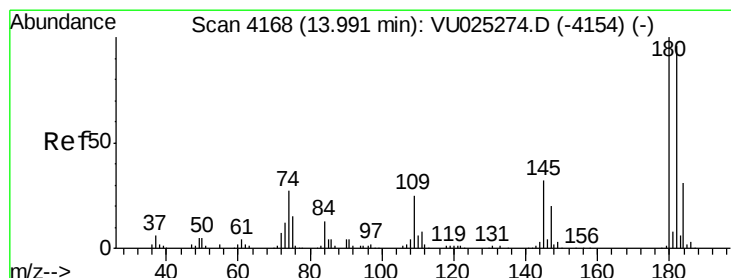
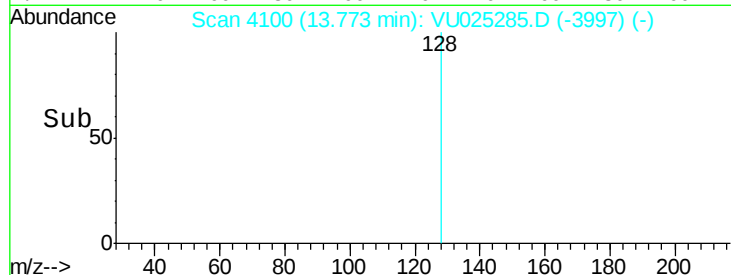
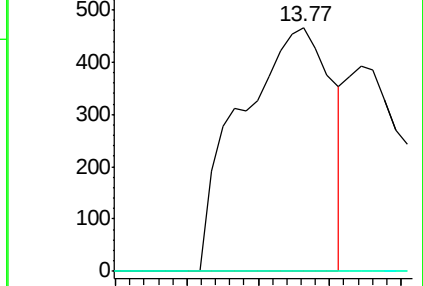
129 0.0 8.3 12.5#



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



#96

1,2,3-Trichlorobenzene

Concen: 2.61 ug/l

RT: 14.00 min Scan# 4170

Delta R.T. 0.01 min

Lab File: VU025285.D

Acq: 10 Jul 2018 13:38

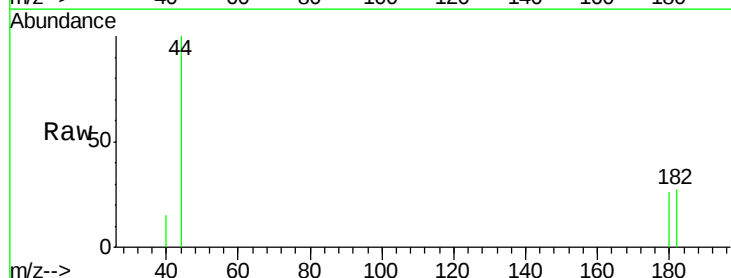
Tgt Ion:180 Resp: 312

Ion Ratio Lower Upper

180 100

182 89.4 47.8 143.3

145 0.0 15.6 46.8#



Abundance Ion 179.80 (179.50 to 180.50): V

Ion 181.80 (181.50 to 182.50): V

Ion 144.90 (144.60 to 145.60): V

