

Data Path : Z:\VOASRV\HPCHEM1\MSVOA_U\DATA\VU061818\
 Data File : VU024722.D
 Acq On : 19 Jun 2018 04:44
 Operator : MD/SY
 Sample : J3535-10
 Misc : 5.0mL/MSVOA_U/WATER
 ALS Vial : 47 Sample Multiplier: 1

Instrument :
 MSVOA_U
 ClientSampleId :
 SS002MW002-180614

Quant Time: Jun 19 05:21:26 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	189072	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	5.89	114	297905	50.00	ug/l	0.00
63) Chlorobenzene-d5	9.09	117	276194	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	11.49	152	147526	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	131925	42.74	ug/l	0.00
Spiked Amount			Recovery	=	85.48%	
35) Dibromofluoromethane	4.89	113	115899	46.88	ug/l	0.00
Spiked Amount			Recovery	=	93.76%	
50) Toluene-d8	7.57	98	437965	48.56	ug/l	0.00
Spiked Amount			Recovery	=	97.12%	
62) 4-Bromofluorobenzene	10.31	95	154689	43.20	ug/l	0.00
Spiked Amount			Recovery	=	86.40%	

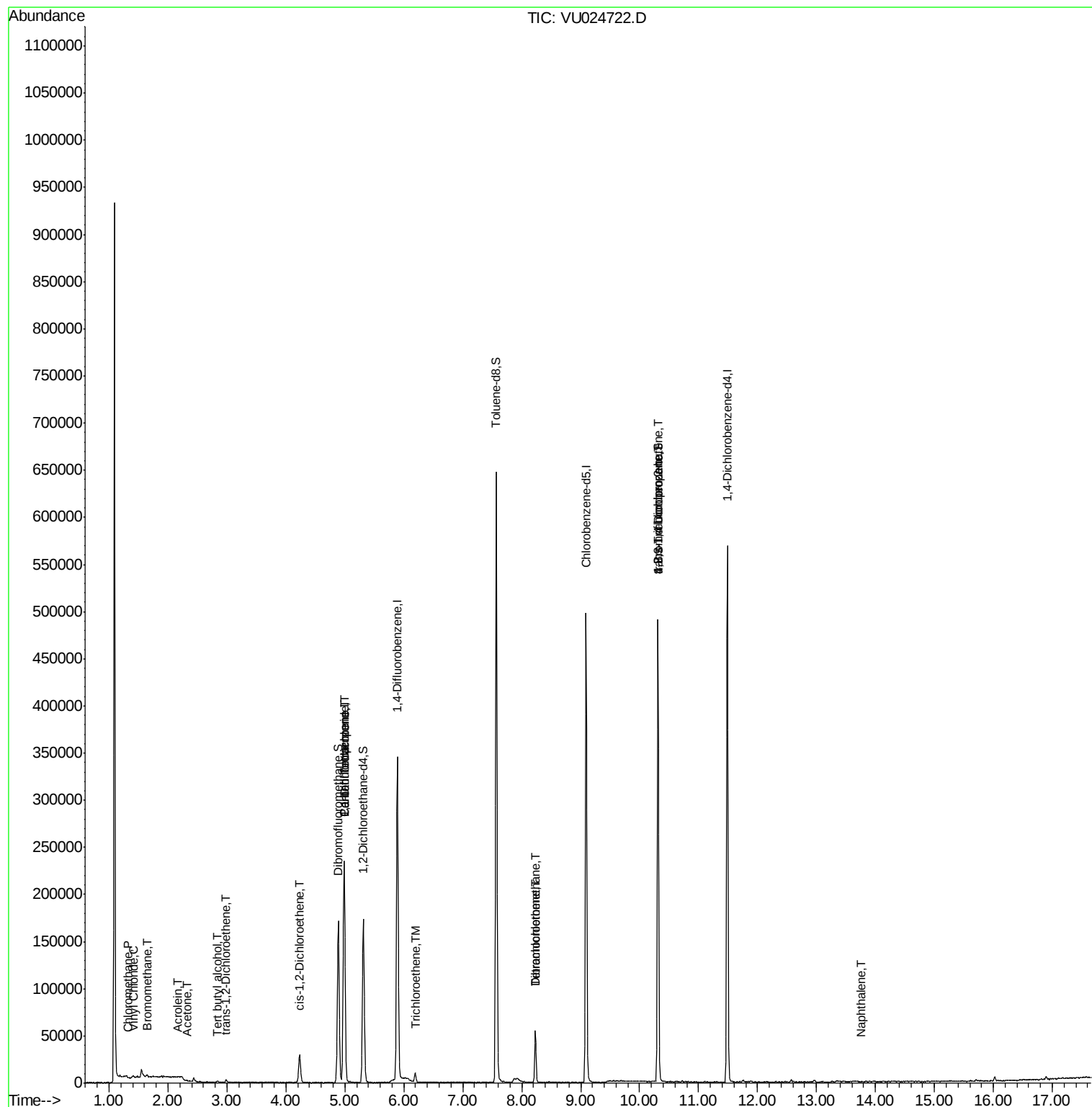
Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
3) Chloromethane	1.33	50	605	0.250	ug/l	99
4) Vinyl Chloride	1.40	62	911	0.365	ug/l #	89
5) Bromomethane	1.64	94	670	0.556	ug/l	94
6) Chloroethane	1.74	64	66	Below Cal	#	43
11) Tert butyl alcohol	2.84	59	175	0.233	ug/l #	67
13) Acrolein	2.18	56	127	0.322	ug/l	99
16) Acetone	2.32	43	354	0.213	ug/l	92
21) trans-1,2-Dichloroethene	2.99	96	935	0.394	ug/l	98
27) cis-1,2-Dichloroethene	4.23	96	16268	5.968	ug/l	85
31) Cyclohexane	4.99	56	3658	Below Cal	#	1
36) 1,1-Dichloropropene	4.99	75	12955	3.701	ug/l #	50
38) Carbon Tetrachloride	4.99	117	17303	4.495	ug/l #	16
44) Trichloroethene	6.19	130	3416	1.203	ug/l	86
60) Dibromochloromethane	8.23	129	11575	3.558	ug/l #	11
64) Tetrachloroethene	8.23	164	12737	4.852	ug/l	96
76) 1,2,3-Trichloropropane	10.31	75	76408	23.525	ug/l #	36
81) trans-1,4-Dichloro-2-buten	10.31	75	76408	54.446	ug/l #	100
95) Naphthalene	13.76	128	39	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: VU024722.D

Acq: 19 Jun 2018 04:44

Instrument :

MSVOA_U

ClientSampleId :

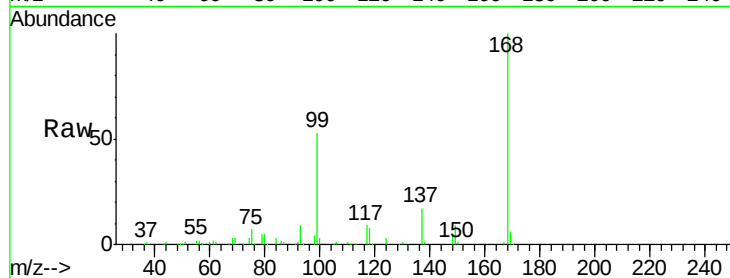
SS002MW002-180614

Tgt Ion:168 Resp: 189072

Ion Ratio Lower Upper

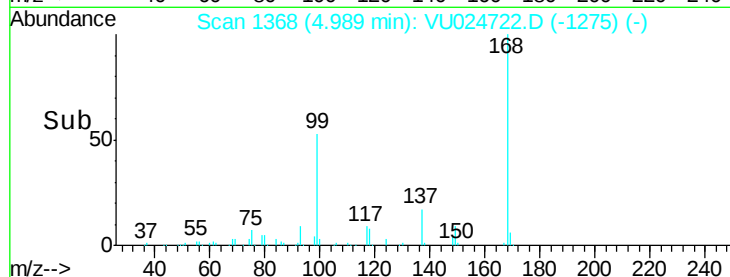
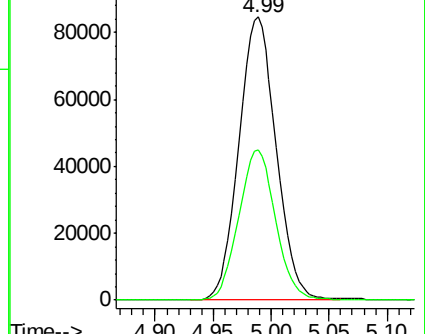
168 100

99 52.9 43.2 64.8



Abundance Ion 167.90 (167.60 to 168.60): VU024502.D (-1351) (-)

Ion 98.90 (98.60 to 99.60): VU024502.D (-1351) (-)



#3

Chloromethane

Concen: 0.250 ug/l

RT: 1.33 min Scan# 230

Delta R.T. -0.00 min

Lab File: VU024722.D

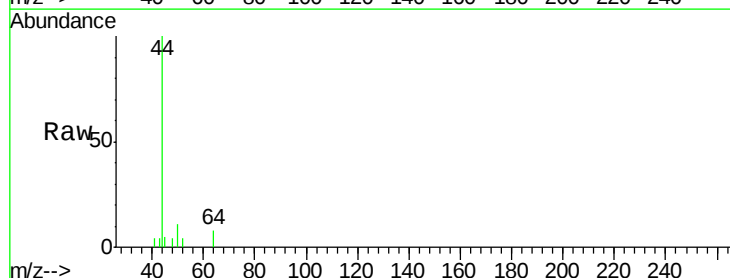
Acq: 19 Jun 2018 04:44

Tgt Ion: 50 Resp: 605

Ion Ratio Lower Upper

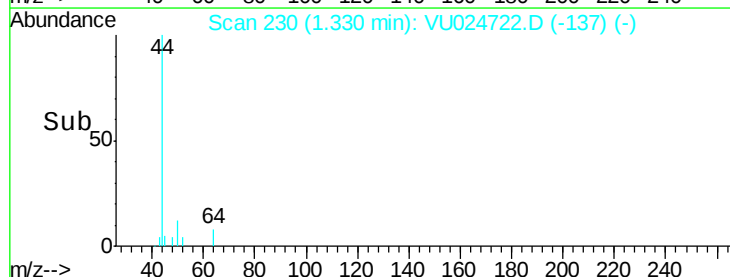
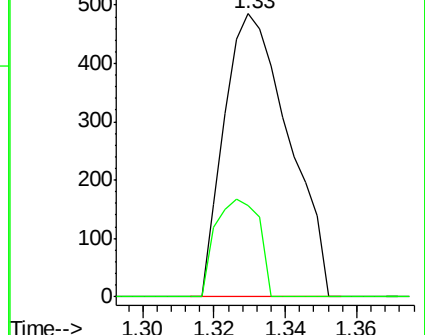
50 100

52 32.2 26.4 39.6



Abundance Ion 49.90 (49.60 to 50.60): VU024502.D (-221) (-)

Ion 51.90 (51.60 to 52.60): VU024502.D (-221) (-)





#4

Vinyl Chloride

Concen: 0.365 ug/l

RT: 1.40 min Scan# 253

Delta R.T. -0.00 min

Lab File: VU024722.D

Acq: 19 Jun 2018 04:44

Instrument :

MSVOA_U

ClientSampleId :

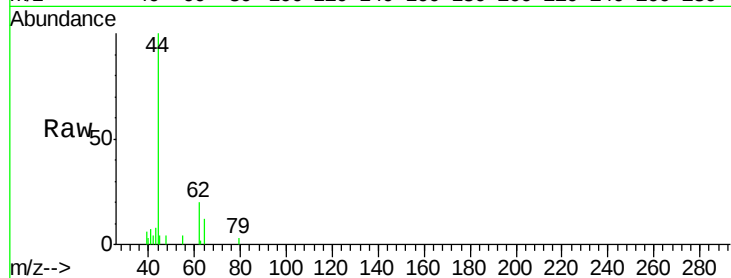
SS002MW002-180614

Tgt Ion: 62 Resp: 911

Ion Ratio Lower Upper

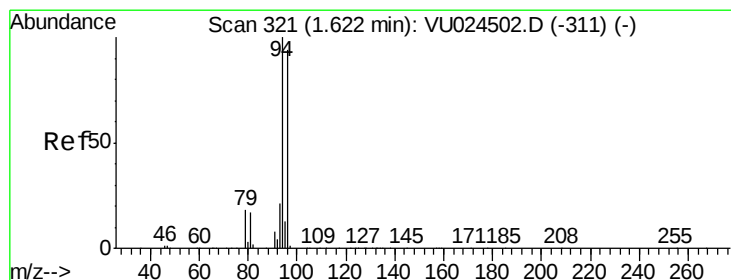
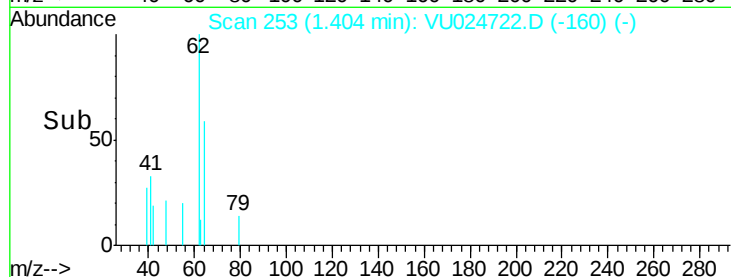
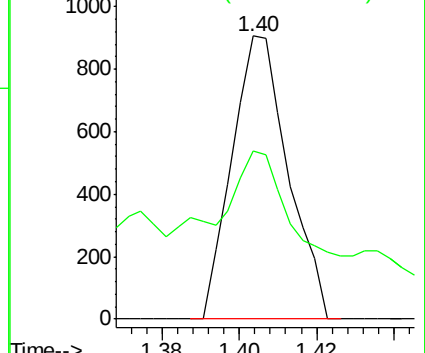
62 100

64 37.3 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: 0.556 ug/l

RT: 1.64 min Scan# 325

Delta R.T. 0.01 min

Lab File: VU024722.D

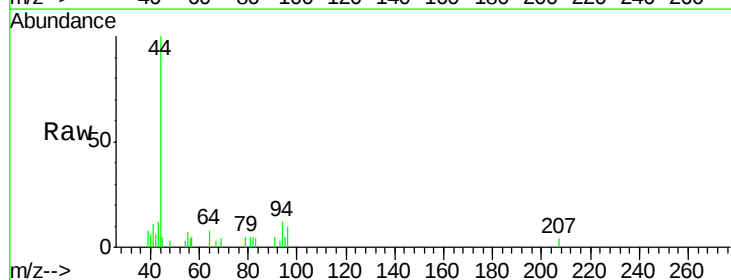
Acq: 19 Jun 2018 04:44

Tgt Ion: 94 Resp: 670

Ion Ratio Lower Upper

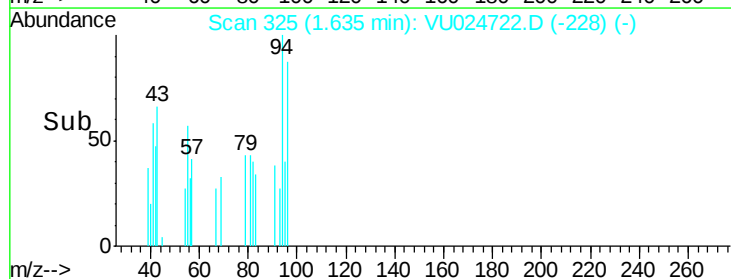
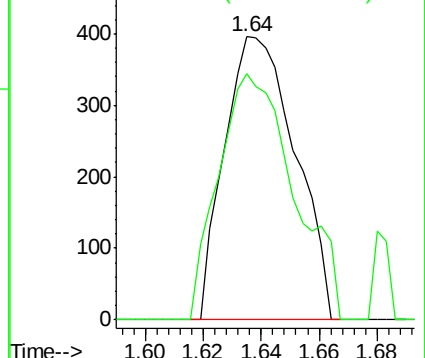
94 100

96 86.9 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: 1.74 min Scan# 358

Delta R.T. 0.05 min

Lab File: VU024722.D

Acq: 19 Jun 2018 04:44

Instrument :

MSVOA_U

ClientSampleId :

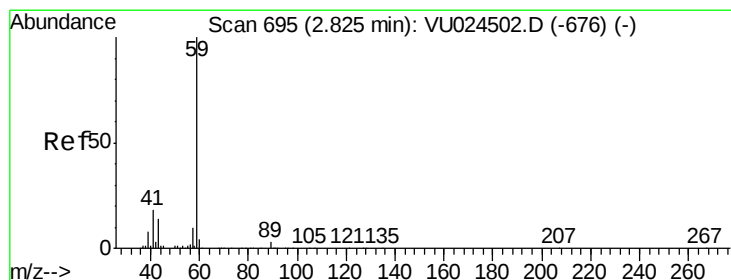
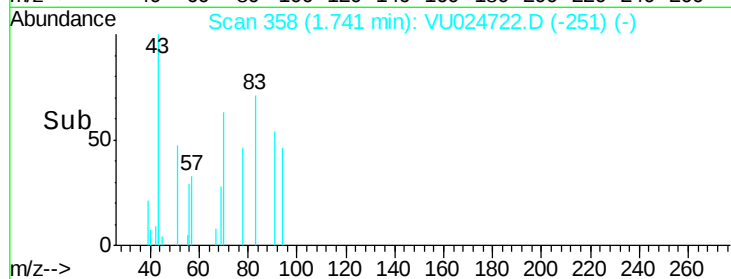
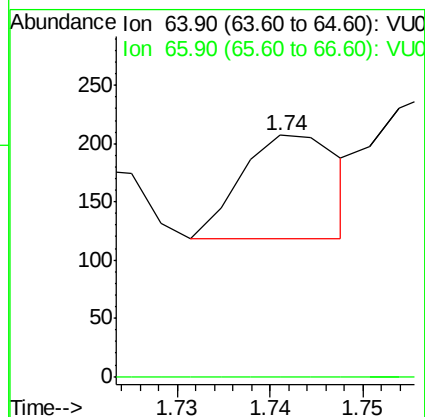
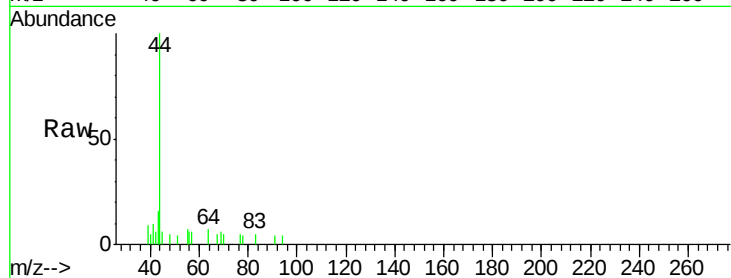
SS002MW002-180614

Tgt Ion: 64 Resp: 66

Ion Ratio Lower Upper

64 100

66 0.0 25.5 38.3#



#11

Tert butyl alcohol

Concen: 0.233 ug/l

RT: 2.84 min Scan# 699

Delta R.T. 0.01 min

Lab File: VU024722.D

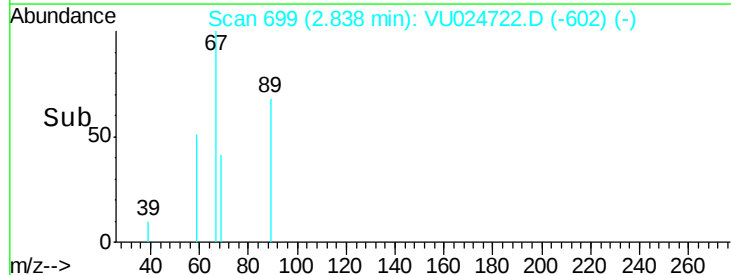
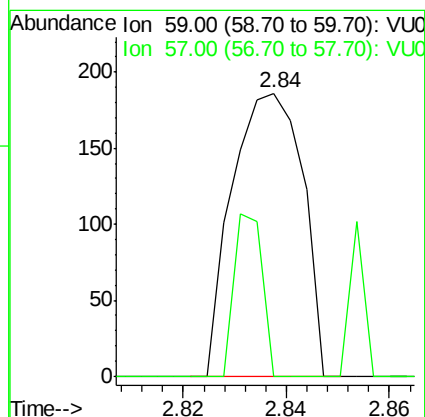
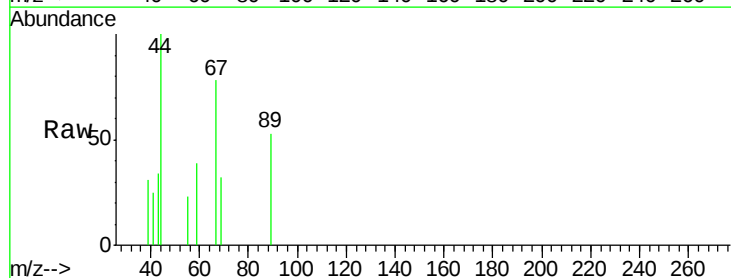
Acq: 19 Jun 2018 04:44

Tgt Ion: 59 Resp: 175

Ion Ratio Lower Upper

59 100

57 22.9 8.5 12.7#





#13

Acrolein

Concen: 0.322 ug/l

RT: 2.18 min Scan# 493

Delta R.T. -0.02 min

Lab File: VU024722.D

Acq: 19 Jun 2018 04:44

Instrument :

MSVOA_U

ClientSampleId :

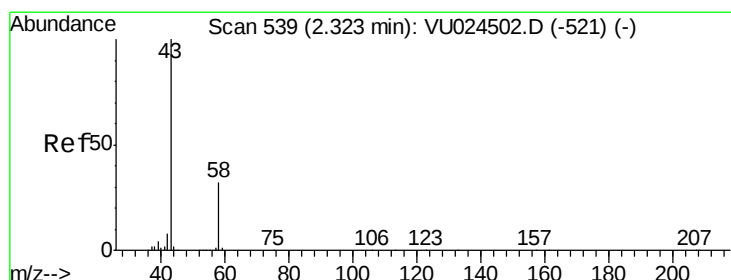
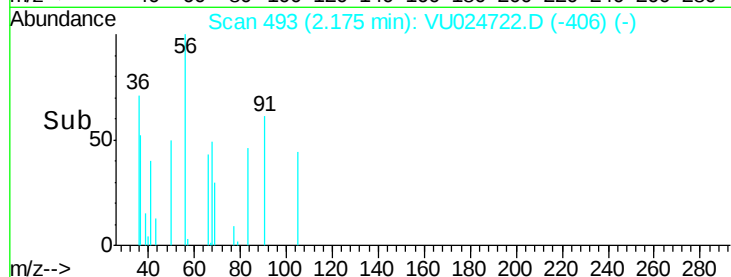
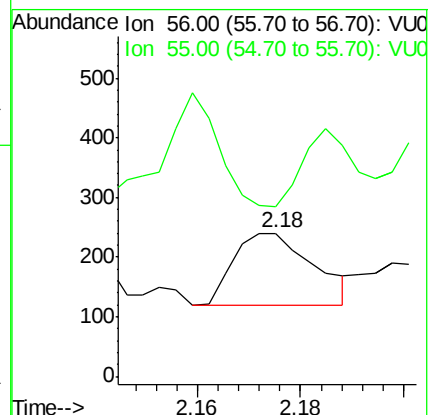
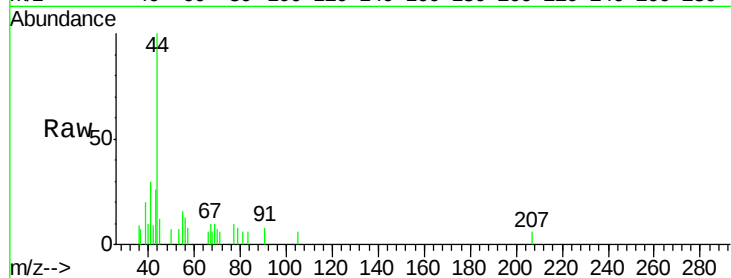
SS002MW002-180614

Tgt Ion: 56 Resp: 127

Ion Ratio Lower Upper

56 100

55 72.4 58.4 87.6



#16

Acetone

Concen: 0.213 ug/l

RT: 2.32 min Scan# 537

Delta R.T. -0.01 min

Lab File: VU024722.D

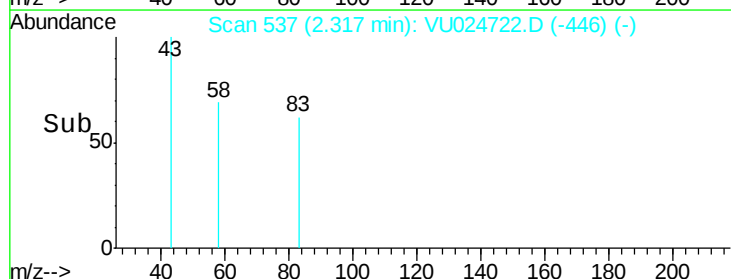
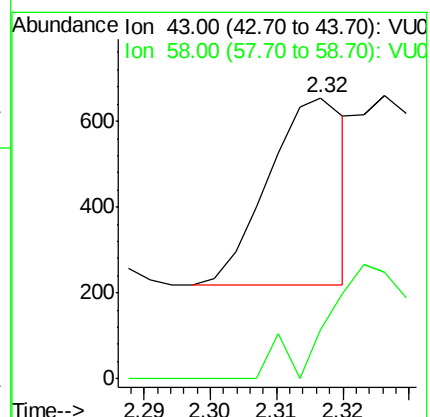
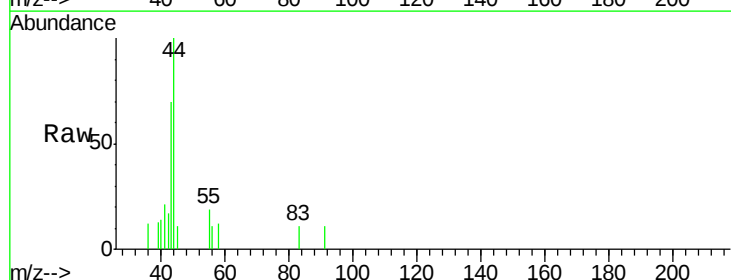
Acq: 19 Jun 2018 04:44

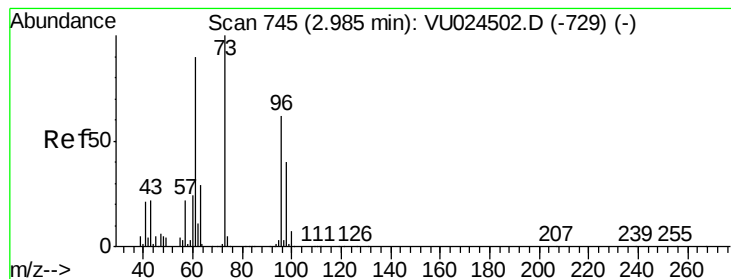
Tgt Ion: 43 Resp: 354

Ion Ratio Lower Upper

43 100

58 26.1 24.4 36.6





#21

trans-1,2-Dichloroethene

Concen: 0.394 ug/l

RT: 2.99 min Scan# 745

Delta R.T. -0.00 min

Lab File: VU024722.D

Acq: 19 Jun 2018 04:44

Instrument :

MSVOA_U

ClientSampleId :

SS002MW002-180614

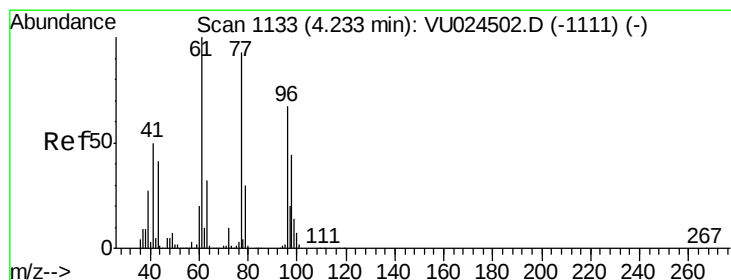
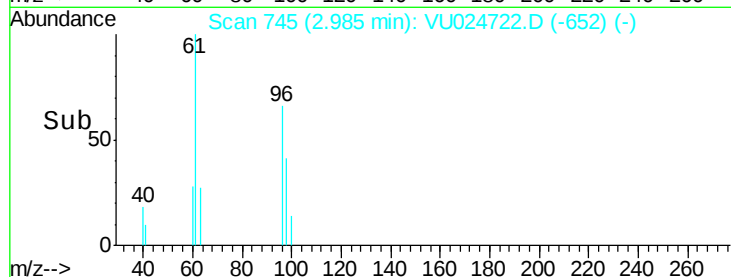
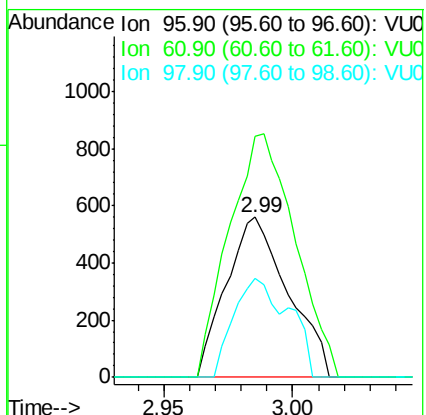
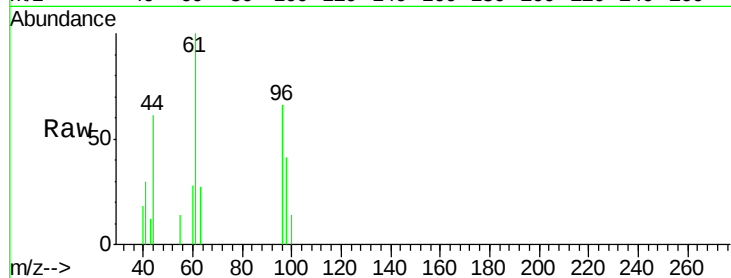
Tgt Ion: 96 Resp: 935

Ion Ratio Lower Upper

96 100

61 150.5 119.4 179.0

98 61.4 51.1 76.7



#27

cis-1,2-Dichloroethene

Concen: 5.968 ug/l

RT: 4.23 min Scan# 1133

Delta R.T. -0.00 min

Lab File: VU024722.D

Acq: 19 Jun 2018 04:44

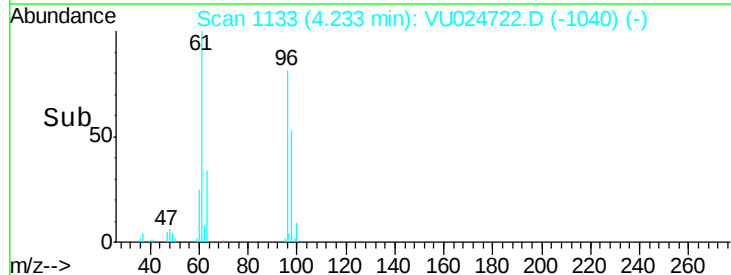
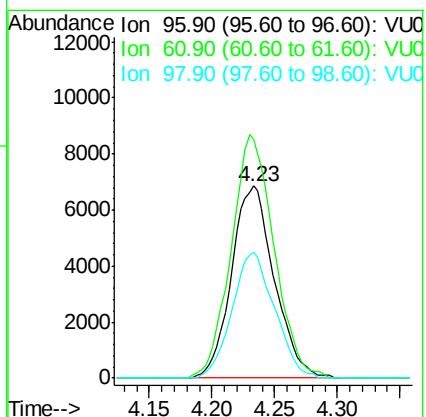
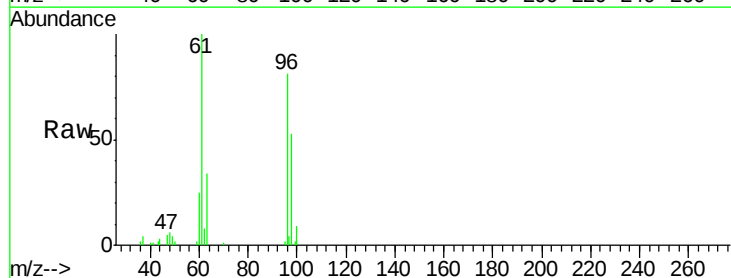
Tgt Ion: 96 Resp: 16268

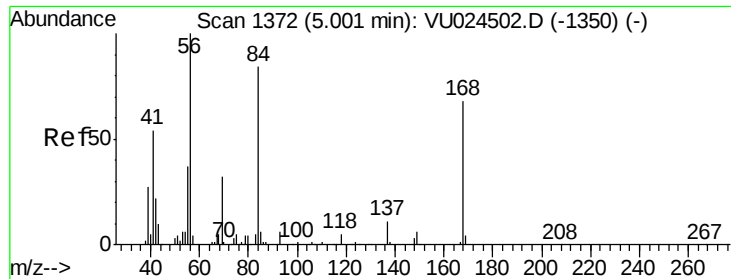
Ion Ratio Lower Upper

96 100

61 126.5 0.0 306.6

98 64.7 0.0 128.8

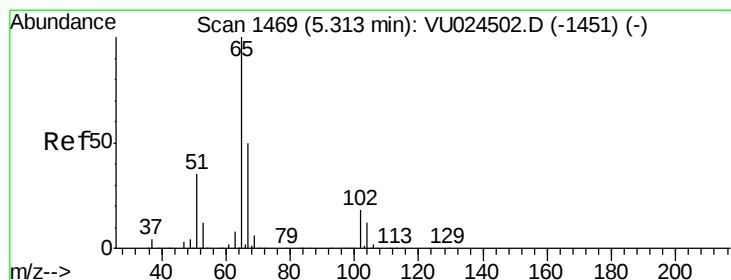
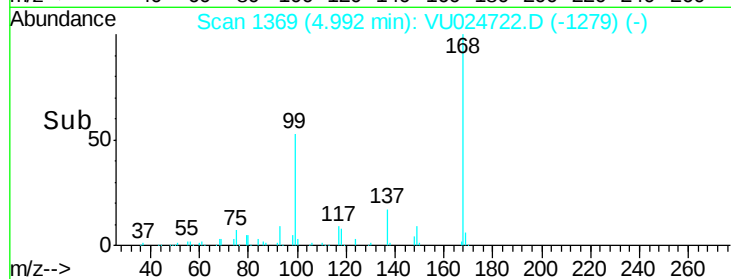
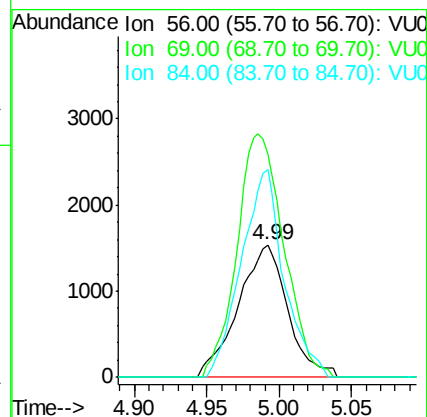
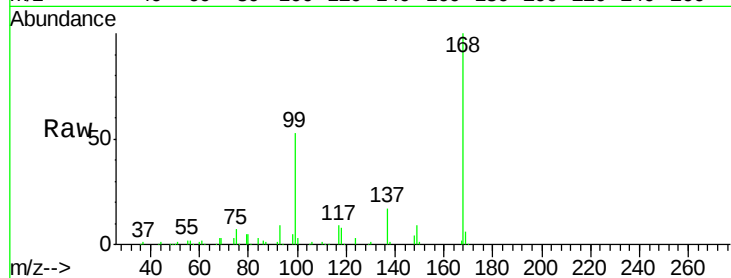




#31
Cyclohexane
Concen: Below Cal
RT: 4.99 min Scan# 1369
Delta R.T. -0.01 min
Lab File: VU024722.D
Acq: 19 Jun 2018 04:44

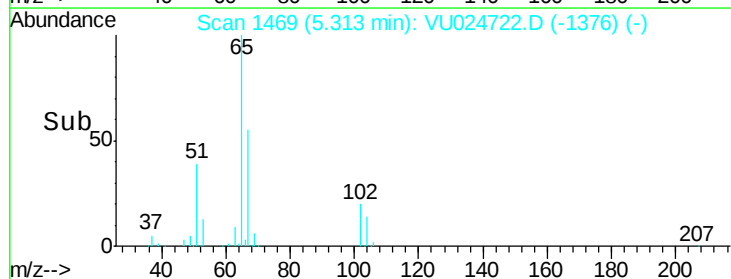
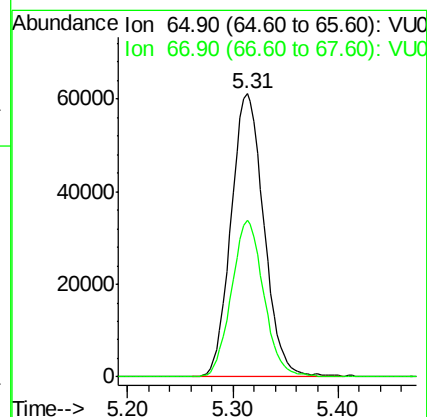
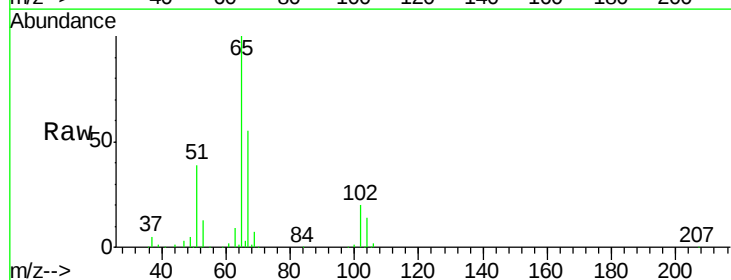
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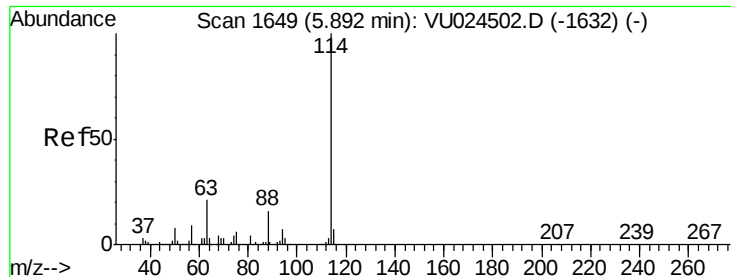
Tgt Ion: 56 Resp: 3658
Ion Ratio Lower Upper
56 100
69 167.8 24.8 37.2#
84 156.4 65.2 97.8#



#33
1,2-Dichloroethane-d4
Concen: 42.741 ug/l
RT: 5.31 min Scan# 1469
Delta R.T. -0.00 min
Lab File: VU024722.D
Acq: 19 Jun 2018 04:44

Tgt Ion: 65 Resp: 131925
Ion Ratio Lower Upper
65 100
67 54.4 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: VU024722.D

Acq: 19 Jun 2018 04:44

Instrument :

MSVOA_U

ClientSampleId :

SS002MW002-180614

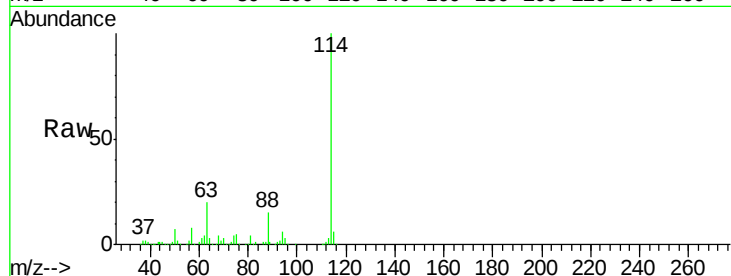
Tgt Ion:114 Resp: 297905

Ion Ratio Lower Upper

114 100

63 20.1 0.0 45.4

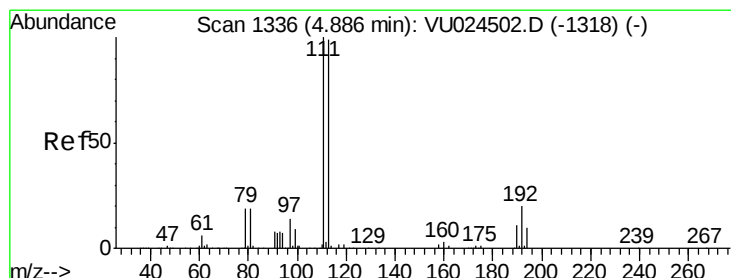
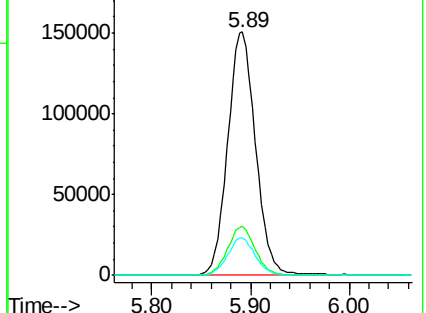
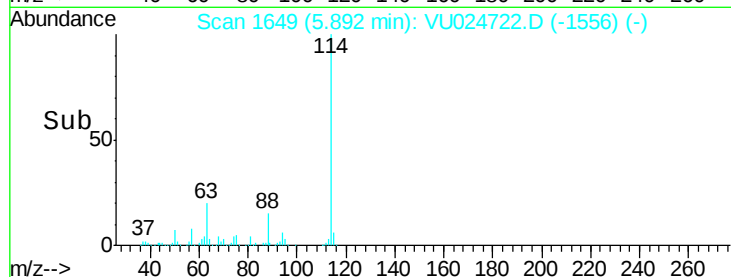
88 15.3 0.0 31.0



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: 46.877 ug/l

RT: 4.89 min Scan# 1336

Delta R.T. -0.00 min

Lab File: VU024722.D

Acq: 19 Jun 2018 04:44

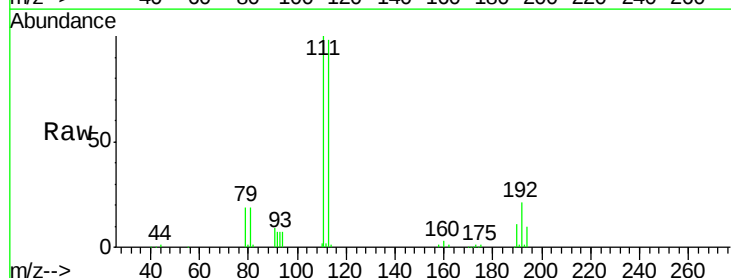
Tgt Ion:113 Resp: 115899

Ion Ratio Lower Upper

113 100

111 101.7 82.2 123.4

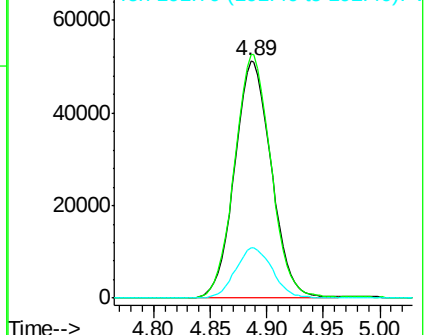
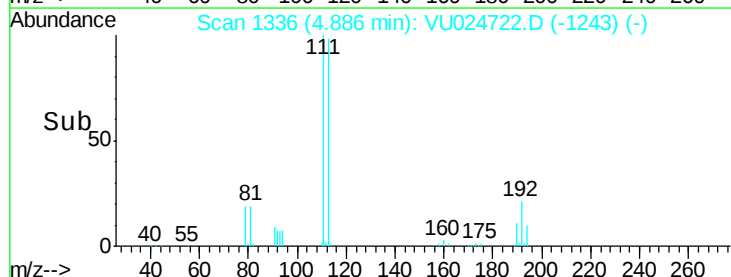
192 21.4 16.2 24.4

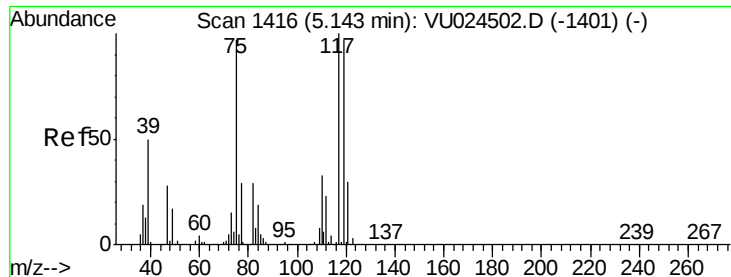


Abundance Ion 112.80 (112.50 to 113.50): V

Ion 110.80 (110.50 to 111.50): V

Ion 191.70 (191.40 to 192.40): V





#36

1,1-Dichloropropene

Concen: 3.701 ug/l

RT: 4.99 min Scan# 1368

Delta R.T. -0.15 min

Lab File: VU024722.D

Acq: 19 Jun 2018 04:44

Instrument :

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ClientSampleId :

SS002MW002-180614

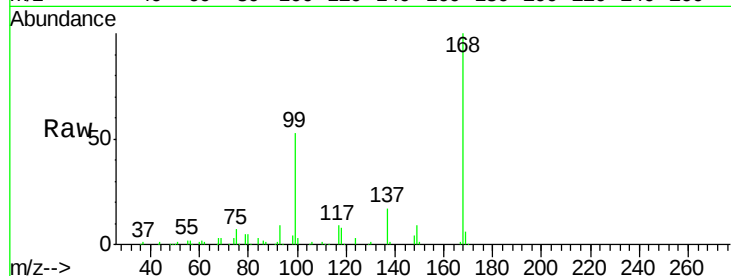
Tgt Ion: 75 Resp: 12955

Ion Ratio Lower Upper

75 100

110 7.8 17.0 50.9#

77 0.0 24.2 36.4#

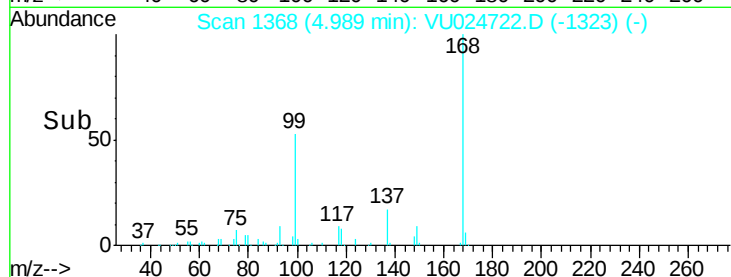


Abundance Ion 74.90 (74.60 to 75.60): VU024722.D (-1323) (-)

Ion 109.90 (109.60 to 110.60): VU024722.D (-1323) (-)

Ion 76.90 (76.60 to 77.60): VU024722.D (-1323) (-)

Time-->



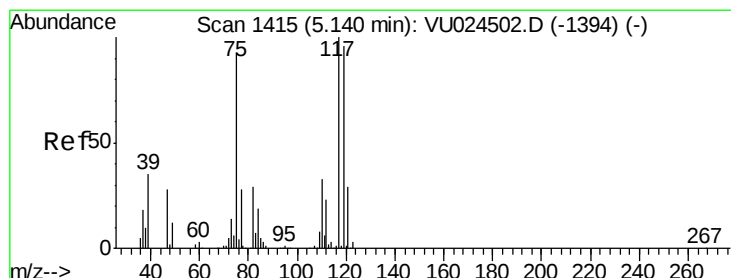
Abundance

Ion 74.90 (74.60 to 75.60): VU024722.D (-1323) (-)

Ion 109.90 (109.60 to 110.60): VU024722.D (-1323) (-)

Ion 76.90 (76.60 to 77.60): VU024722.D (-1323) (-)

Time-->



#38

Carbon Tetrachloride

Concen: 4.495 ug/l

RT: 4.99 min Scan# 1368

Delta R.T. -0.15 min

Lab File: VU024722.D

Acq: 19 Jun 2018 04:44

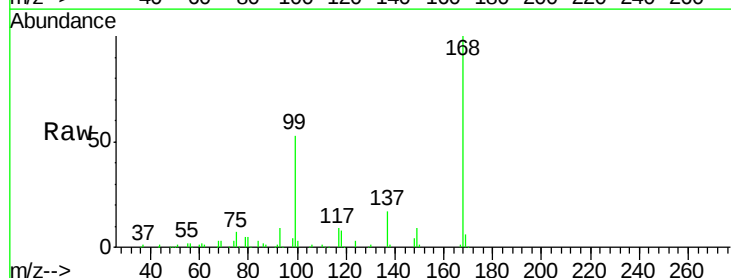
Tgt Ion: 117 Resp: 17303

Ion Ratio Lower Upper

117 100

119 4.3 76.1 114.1#

121 0.0 23.7 35.5#

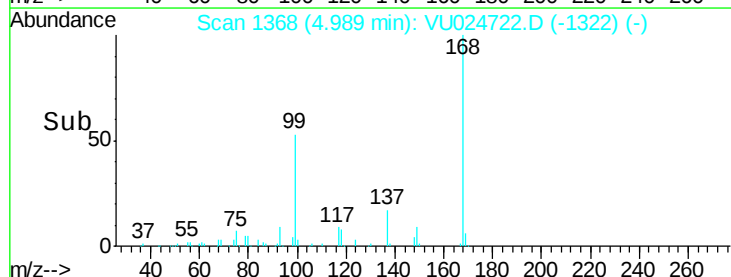


Abundance Ion 116.80 (116.50 to 117.50): VU024722.D (-1322) (-)

Ion 118.80 (118.50 to 119.50): VU024722.D (-1322) (-)

Ion 120.80 (120.50 to 121.50): VU024722.D (-1322) (-)

Time-->



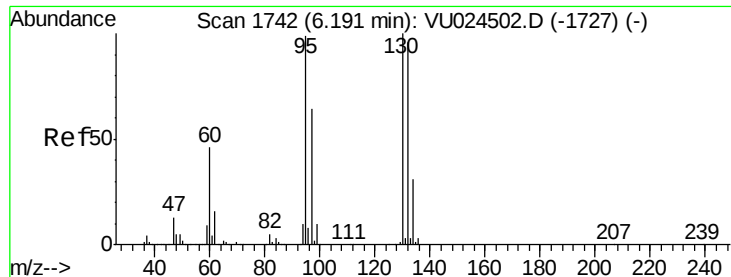
Abundance

Ion 116.80 (116.50 to 117.50): VU024722.D (-1322) (-)

Ion 118.80 (118.50 to 119.50): VU024722.D (-1322) (-)

Ion 120.80 (120.50 to 121.50): VU024722.D (-1322) (-)

Time-->



#44

Trichloroethene

Concen: 1.203 ug/l

RT: 6.19 min Scan# 1743

Delta R.T. 0.00 min

Lab File: VU024722.D

Acq: 19 Jun 2018 04:44

Instrument :

MSVOA_U

ClientSampleId :

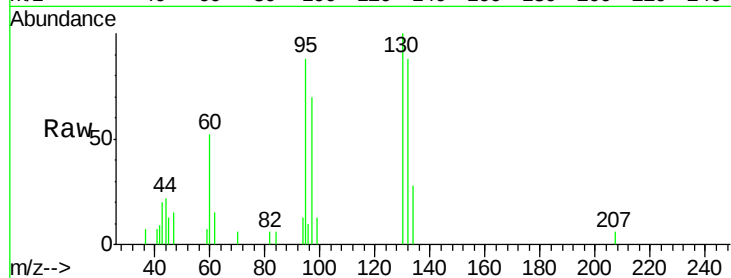
SS002MW002-180614

Tgt Ion:130 Resp: 3416

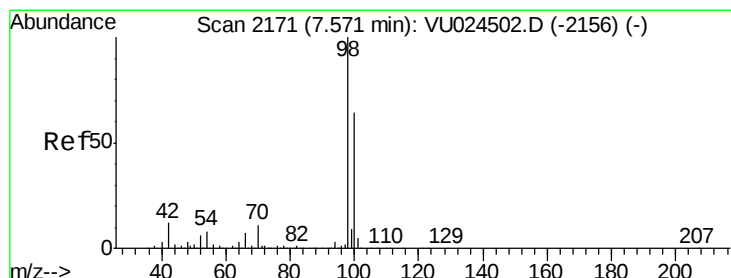
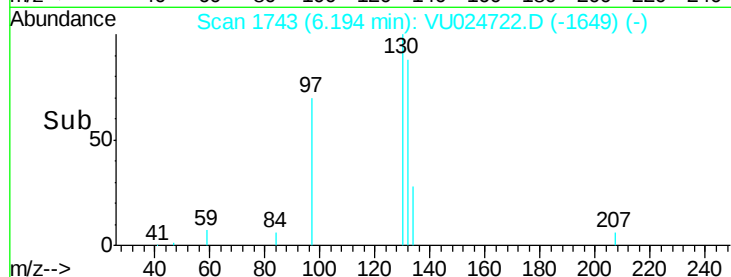
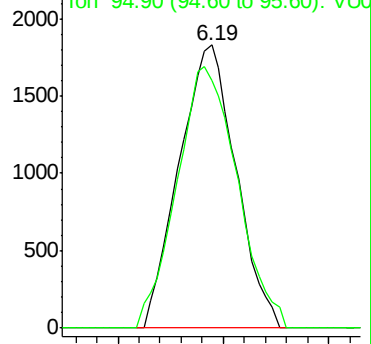
Ion Ratio Lower Upper

130 100

95 87.5 0.0 202.4



Abundance Ion 129.80 (129.50 to 130.50): VU024722.D (-1649) (-)



#50

Toluene-d8

Concen: 48.564 ug/l

RT: 7.57 min Scan# 2170

Delta R.T. -0.00 min

Lab File: VU024722.D

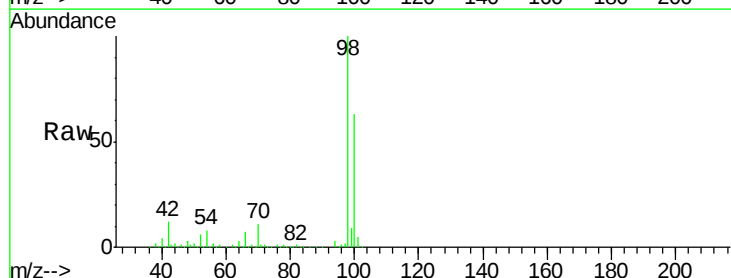
Acq: 19 Jun 2018 04:44

Tgt Ion: 98 Resp: 437965

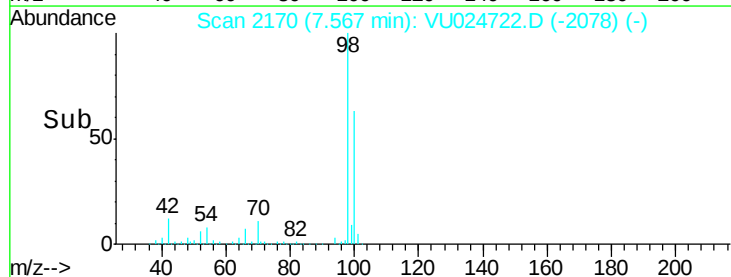
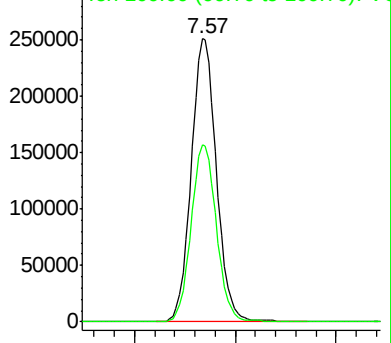
Ion Ratio Lower Upper

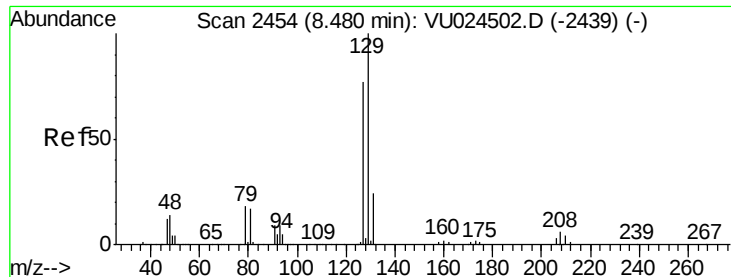
98 100

100 63.0 51.1 76.7



Abundance Ion 98.00 (97.70 to 98.70): VU024722.D (-2078) (-)

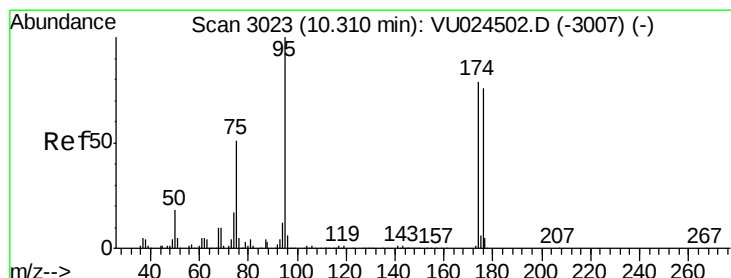
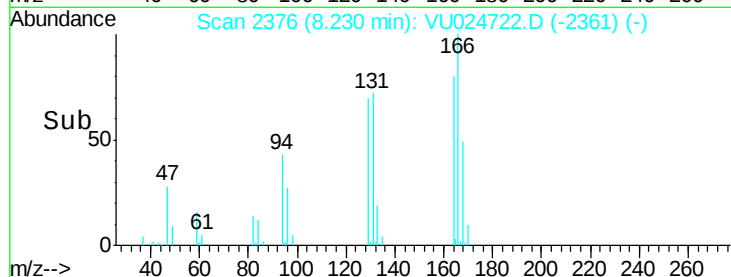
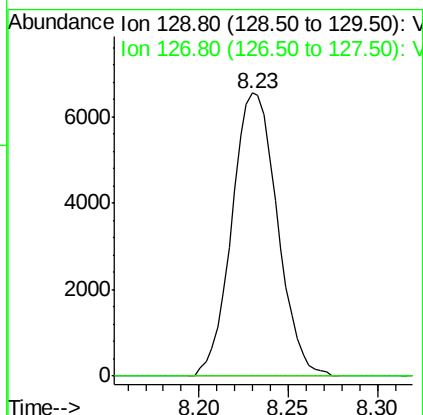
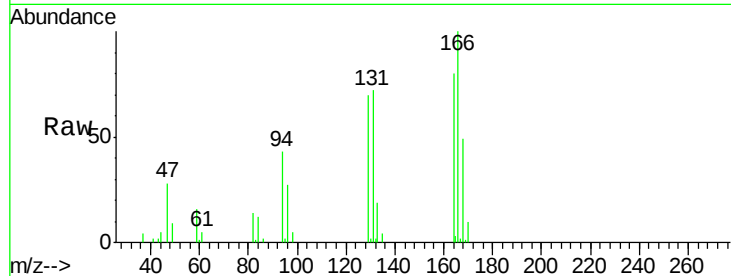




#60
 Dibromochloromethane
 Concen: 3.558 ug/l
 RT: 8.23 min Scan# 2376
 Delta R.T. -0.25 min
 Lab File: VU024722.D
 Acq: 19 Jun 2018 04:44

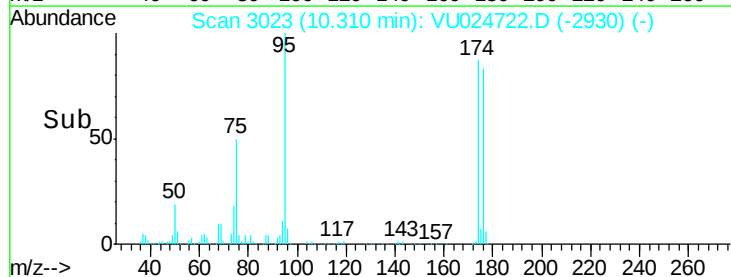
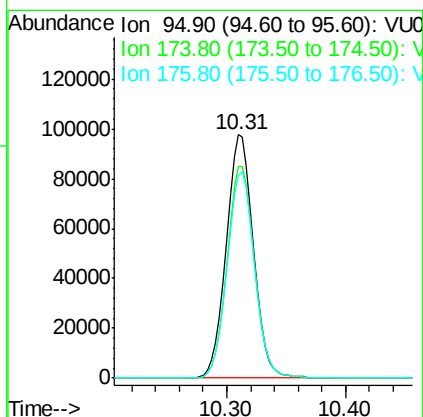
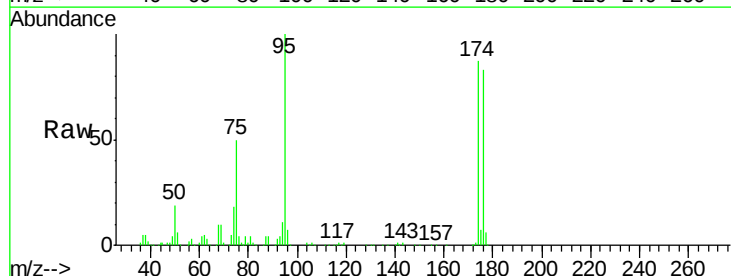
Instrument :
 MSVOA_U
 ClientSampleId :
 SS002MW002-180614

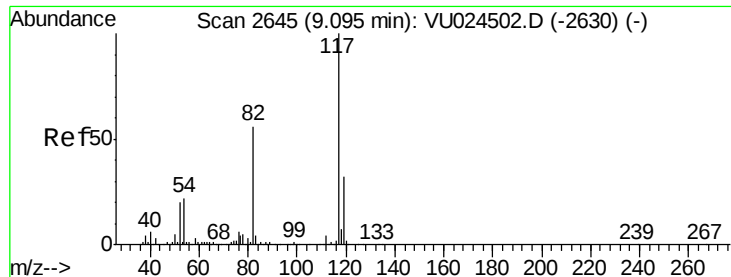
Tgt Ion: 129 Resp: 11575
 Ion Ratio Lower Upper
 129 100
 127 0.0 38.6 116.0#



#62
 4-Bromofluorobenzene
 Concen: 43.202 ug/l
 RT: 10.31 min Scan# 3023
 Delta R.T. -0.00 min
 Lab File: VU024722.D
 Acq: 19 Jun 2018 04:44

Tgt Ion: 95 Resp: 154689
 Ion Ratio Lower Upper
 95 100
 174 88.0 0.0 165.8
 176 85.3 0.0 159.4

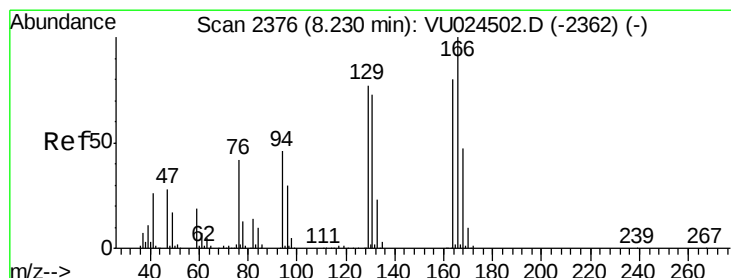
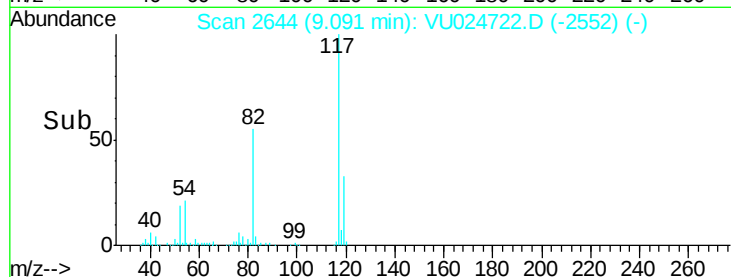
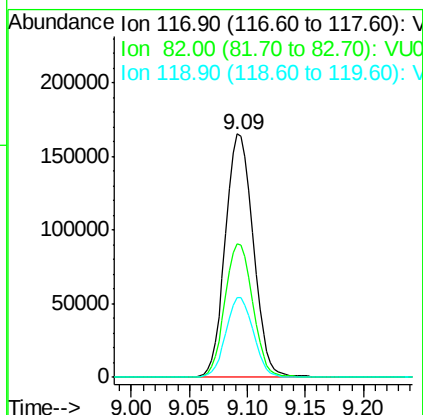
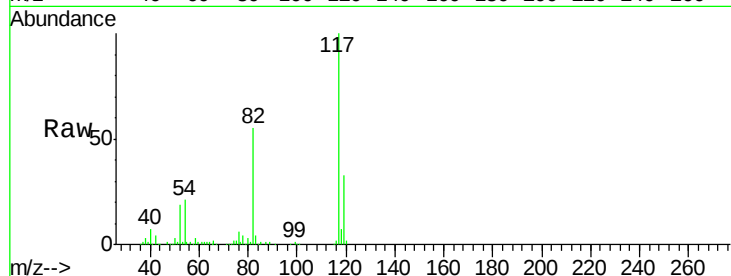




#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 9.09 min Scan# 2644
Delta R.T. -0.00 min
Lab File: VU024722.D
Acq: 19 Jun 2018 04:44

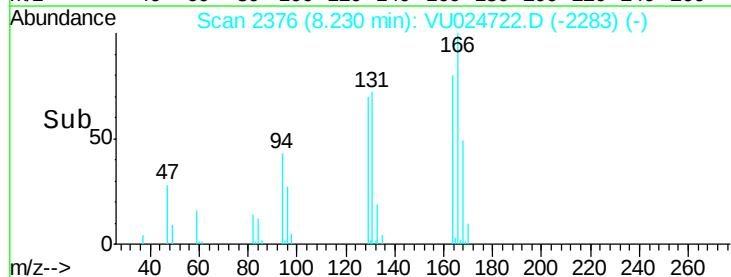
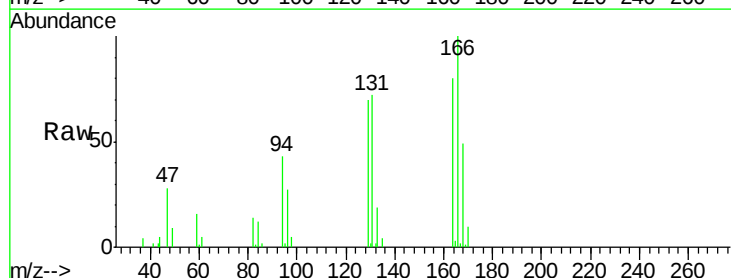
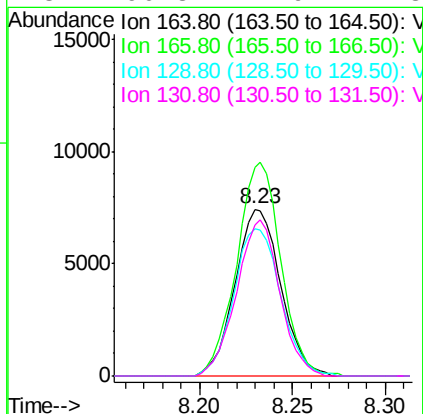
Instrument :
MSVOA_U
ClientSampleId :
SS002MW002-180614

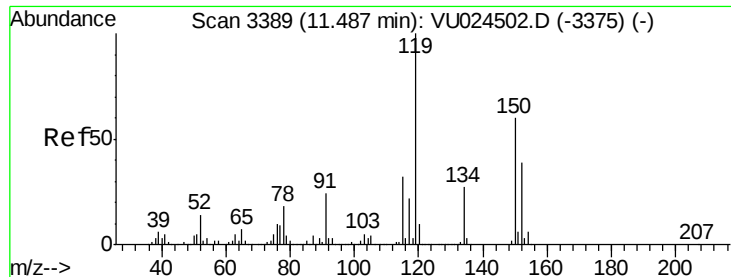
Tgt Ion:117 Resp: 276194
Ion Ratio Lower Upper
117 100
82 54.8 44.3 66.5
119 32.8 25.4 38.2



#64
Tetrachloroethene
Concen: 4.852 ug/l
RT: 8.23 min Scan# 2376
Delta R.T. -0.00 min
Lab File: VU024722.D
Acq: 19 Jun 2018 04:44

Tgt Ion:164 Resp: 12737
Ion Ratio Lower Upper
164 100
166 125.0 101.7 152.5
129 88.0 76.9 115.3
131 90.3 74.9 112.3





#72

1,4-Dichlorobenzene-d4

Concen: 50.000 ug/l

RT: 11.49 min Scan# 3389

Delta R.T. -0.00 min

Lab File: VU024722.D

Acq: 19 Jun 2018 04:44

Instrument :

MSVOA_U

ClientSampleId :

SS002MW002-180614

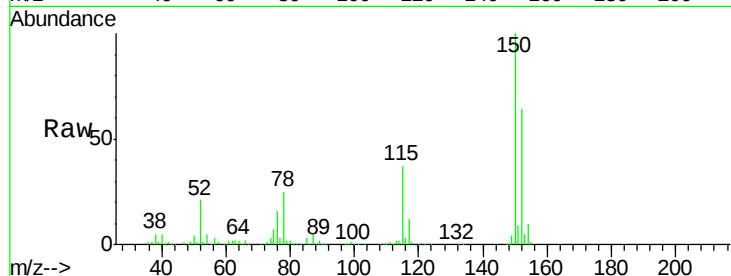
Tgt Ion:152 Resp: 147526

Ion Ratio Lower Upper

152 100

115 57.5 43.0 129.0

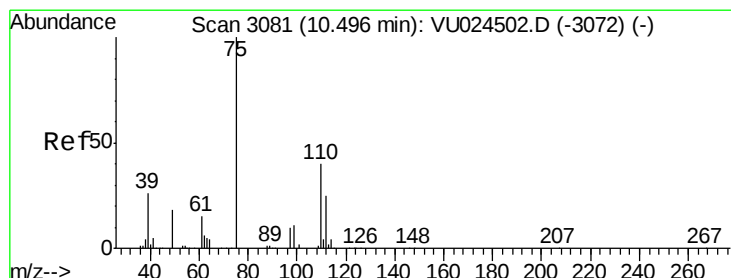
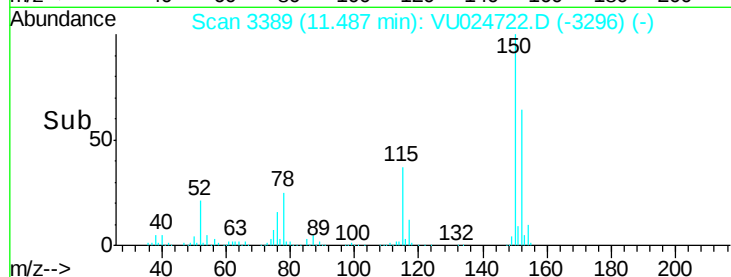
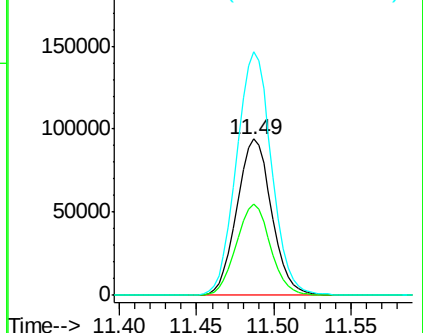
150 156.7 0.0 354.0



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: 23.525 ug/l

RT: 10.31 min Scan# 3023

Delta R.T. -0.19 min

Lab File: VU024722.D

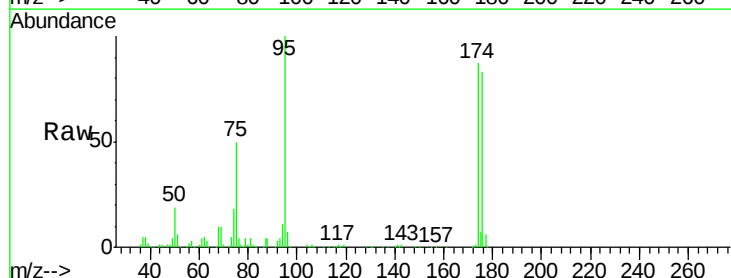
Acq: 19 Jun 2018 04:44

Tgt Ion: 75 Resp: 76408

Ion Ratio Lower Upper

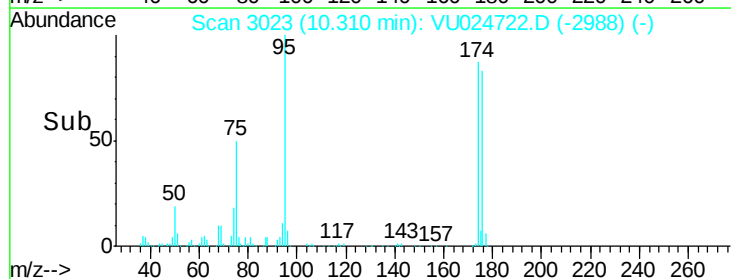
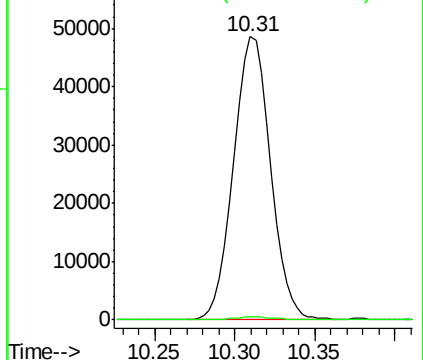
75 100

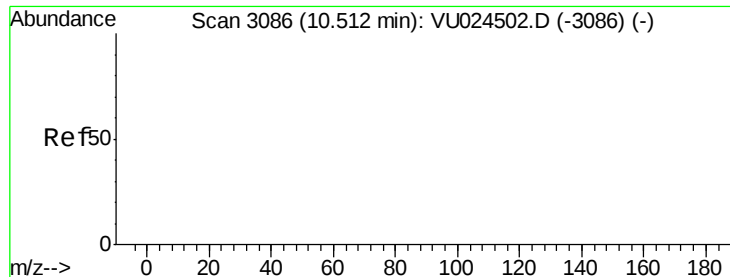
77 1.2 20.9 62.7#



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: 54.446 ug/l

RT: 10.31 min Scan# 3023

Delta R.T. -0.20 min

Lab File: VU024722.D

Acq: 19 Jun 2018 04:44

Instrument :

MSVOA_U

ClientSampleId :

SS002MW002-180614

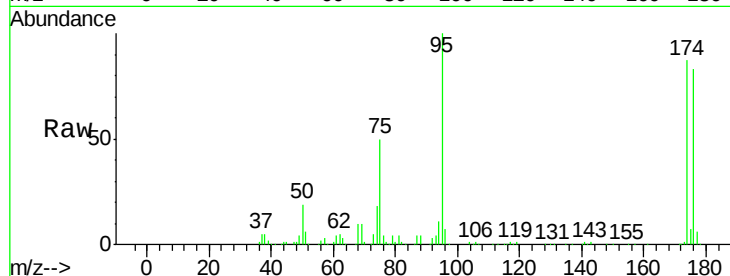
Tgt Ion: 75 Resp: 76408

Ion Ratio Lower Upper

75 100

53 0.0 0.0 0.0

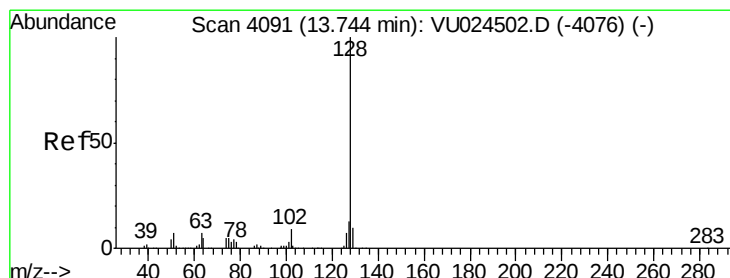
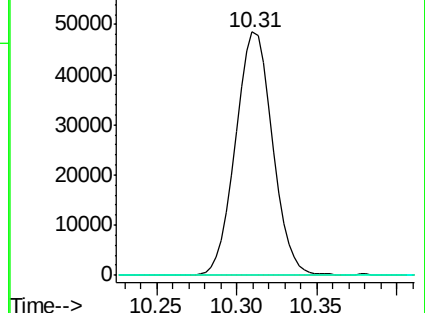
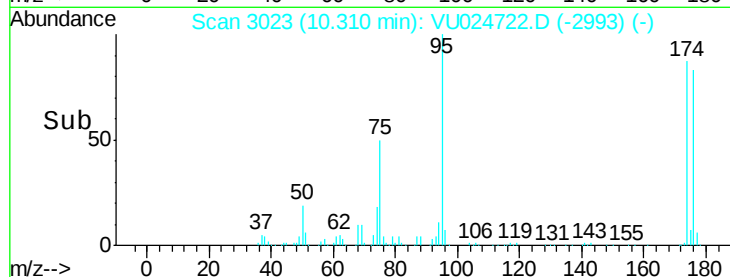
89 0.0 0.0 0.0



Abundance Ion 74.90 (74.60 to 75.60): VU024722.D (-2993) (-)

Ion 53.00 (52.70 to 53.70): VU024722.D (-2993) (-)

Ion 88.90 (88.60 to 89.60): VU024722.D (-2993) (-)



#95

Naphthalene

Concen: 0.683 ug/l

RT: 13.76 min Scan# 4096

Delta R.T. 0.02 min

Lab File: VU024722.D

Acq: 19 Jun 2018 04:44

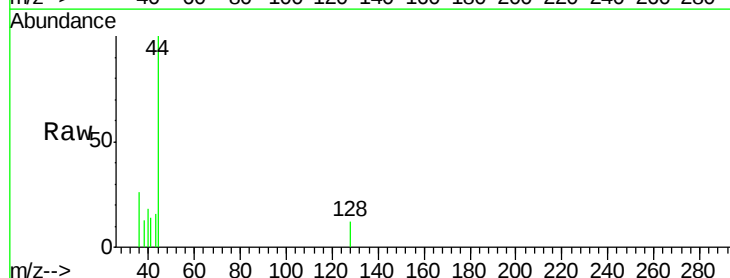
Tgt Ion: 128 Resp: 39

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): VU024722.D (-3997) (-)

Ion 127.00 (126.70 to 127.70): VU024722.D (-3997) (-)

Ion 129.00 (128.70 to 129.70): VU024722.D (-3997) (-)

