

Data File : VU027548.D
Acq On : 10 Oct 2018 01:48
Operator : MD/SY
Sample : J5302-10
Misc : 5.0mL/MSVOA_U/WATER
ALS Vial : 24 Sample Multiplier: 1

Instrument :
MSVOA_U
ClientSampleId :
TW-4

Quant Time: Oct 10 06:03:47 2018
Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_U\METHOD\82U100118W.M
Quant Title : SW846 8260
QLast Update : Tue Oct 02 02:04:34 2018
Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	4.99	168	142267	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	5.89	114	243588	50.00	ug/l	0.00
63) Chlorobenzene-d5	9.09	117	213681	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	11.48	152	92252	50.00	ug/l	0.00

System Monitoring Compounds

33) 1,2-Dichloroethane-d4	5.31	65	109389	46.05	ug/l	0.00
Spiked Amount	50.000		Recovery	=	92.10%	
35) Dibromofluoromethane	4.88	113	79488	47.62	ug/l	0.00
Spiked Amount	50.000		Recovery	=	95.24%	
50) Toluene-d8	7.57	98	304309	48.71	ug/l	0.00
Spiked Amount	50.000		Recovery	=	97.42%	
62) 4-Bromofluorobenzene	10.31	95	99281	42.76	ug/l	0.00
Spiked Amount	50.000		Recovery	=	85.52%	

Target Compounds

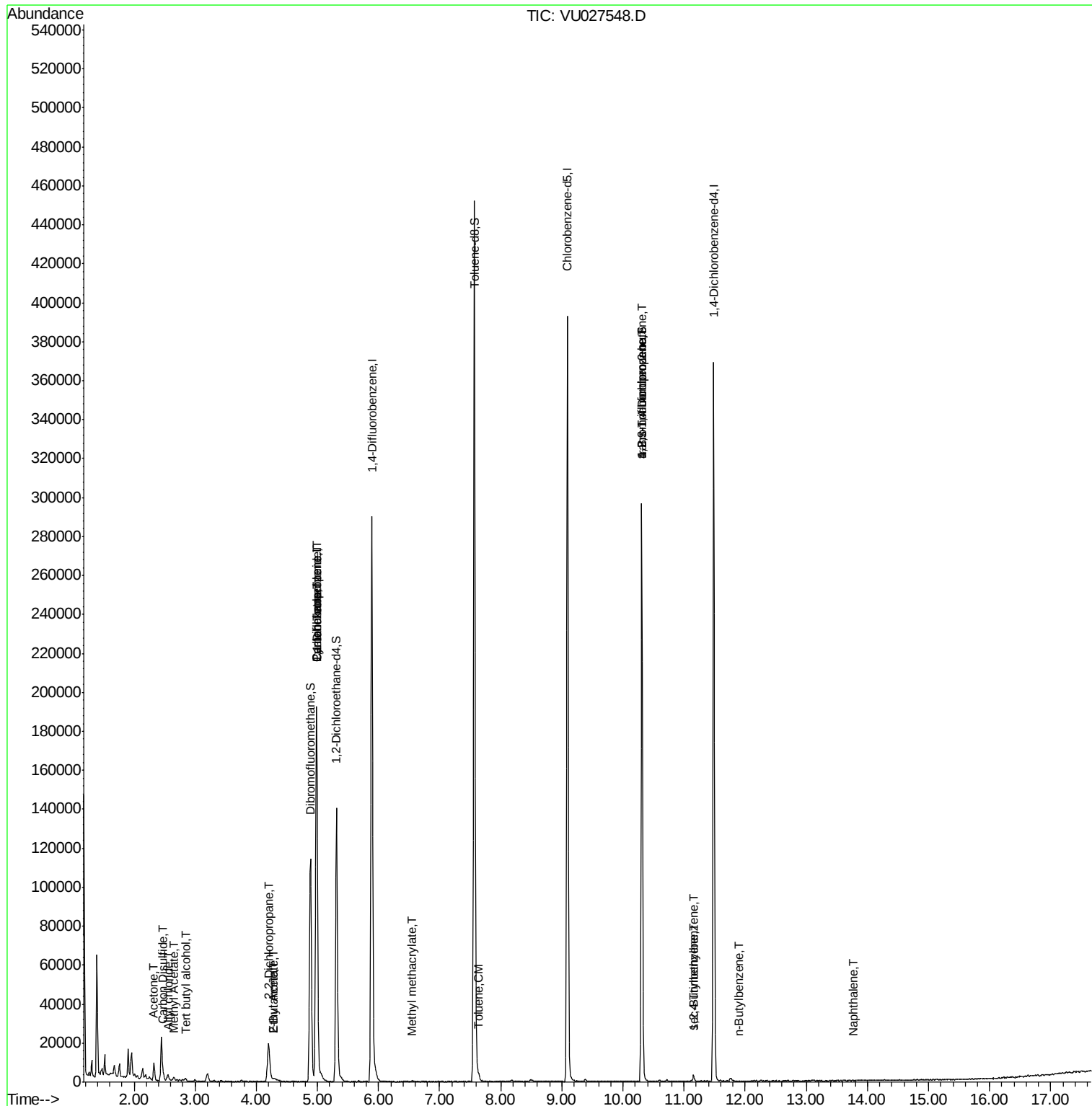
						Qvalue
11) Tert butyl alcohol	2.84	59	1491	2.980	ug/l #	72
14) Allyl chloride	2.56	41	3008	0.843	ug/l #	49
16) Acetone	2.32	43	9048	6.447	ug/l	95
17) Carbon Disulfide	2.48	76	2424	0.447	ug/l #	92
18) Methyl Acetate	2.63	43	753	0.235	ug/l #	56
25) 2-Butanone	4.28	43	2891	1.511	ug/l	94
26) 2,2-Dichloropropane	4.20	77	1316	0.430	ug/l #	56
31) Cyclohexane	4.99	56	3499	0.684	ug/l #	1
36) 1,1-Dichloropropene	4.99	75	12811	4.844	ug/l #	50
37) Ethyl Acetate	4.28	43	2891	0.846	ug/l #	70
38) Carbon Tetrachloride	4.99	117	14418	6.035	ug/l #	19
48) Methyl methacrylate	6.55	41	969	0.367	ug/l #	18
52) Toluene	7.64	92	1132	0.248	ug/l	87
76) 1,2,3-Trichloropropane	10.31	75	52706	22.040	ug/l #	37
81) trans-1,4-Dichloro-2-buten	10.31	75	52706	57.681	ug/l #	100
84) 1,2,4-Trimethylbenzene	11.15	105	1848	0.332	ug/l	97
85) sec-Butylbenzene	11.15	105	1848	0.278	ug/l #	58
89) n-Butylbenzene	11.90	91	40	1.956	ug/l #	33
95) Naphthalene	13.77	128	235	1.693	ug/l #	69

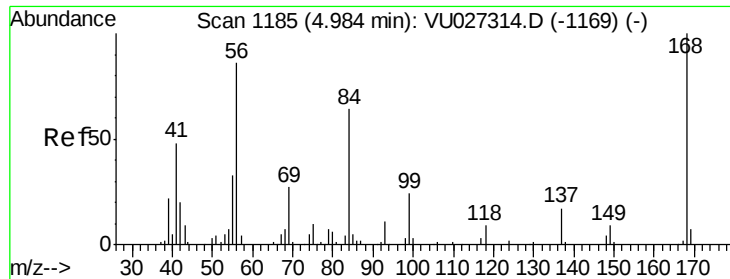
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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Response via : Initial Calibration





#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 4.99 min Scan# 1186

Delta R.T. 0.00 min

Lab File: VU027548.D

Acq: 10 Oct 2018 01:48

Instrument :

MSVOA_U

ClientSampleId :

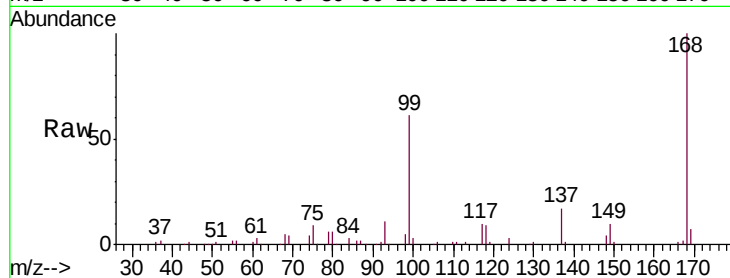
TW-4

Tgt Ion:168 Resp: 142267

Ion Ratio Lower Upper

168 100

99 60.8 50.8 76.2



Abundance Ion 167.90 (167.60 to 168.60): VU027314.D (-1169) (-)

Ion 98.90 (98.60 to 99.60): VU027314.D (-1169) (-)

4.99

60000

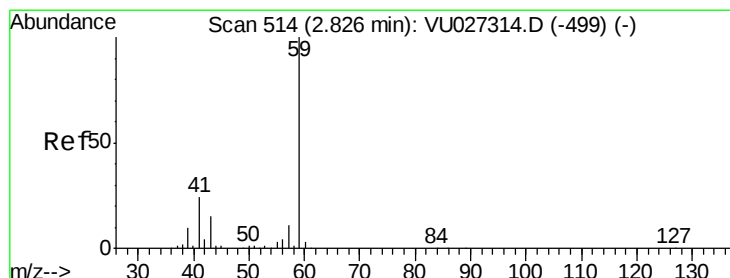
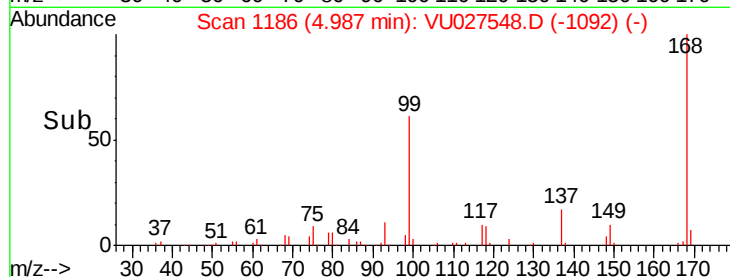
40000

20000

0

4.90 4.95 5.00 5.05

Time-->



#11

Tert butyl alcohol

Concen: 2.980 ug/l

RT: 2.84 min Scan# 517

Delta R.T. 0.01 min

Lab File: VU027548.D

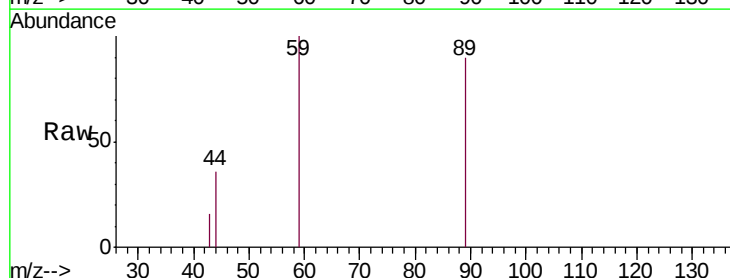
Acq: 10 Oct 2018 01:48

Tgt Ion: 59 Resp: 1491

Ion Ratio Lower Upper

59 100

57 0.0 8.4 12.6#



Abundance Ion 59.00 (58.70 to 59.70): VU027314.D (-499) (-)

Ion 57.00 (56.70 to 57.70): VU027314.D (-499) (-)

2.84

800

600

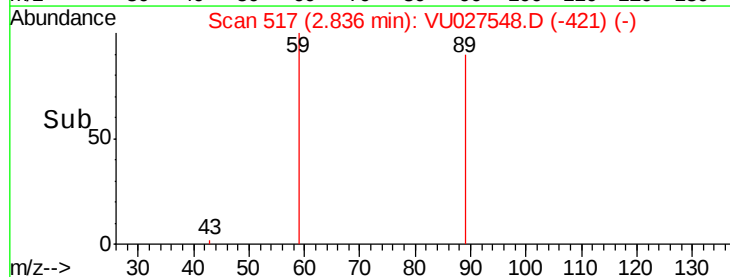
400

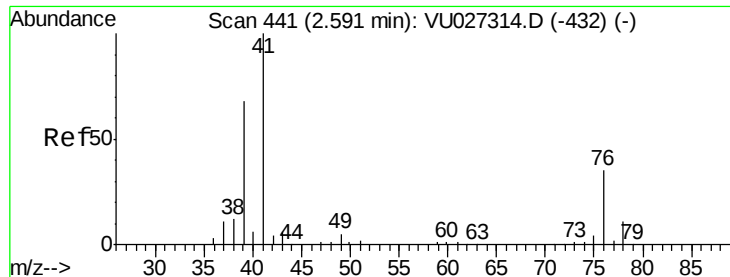
200

0

2.80 2.85 2.90

Time-->





#14

Allyl chloride

Concen: 0.843 ug/l

RT: 2.56 min Scan# 430

Delta R.T. -0.04 min

Lab File: VU027548.D

Acq: 10 Oct 2018 01:48

Instrument :

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ClientSampleId :

TW-4

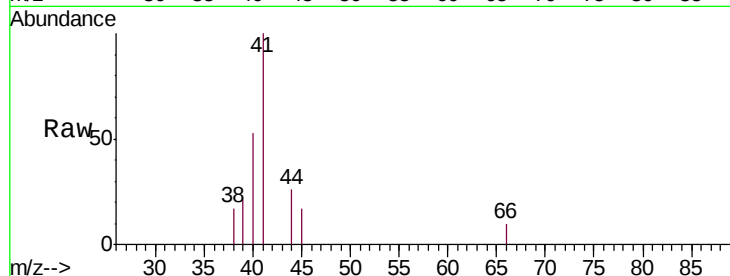
Tgt Ion: 41 Resp: 3008

Ion Ratio Lower Upper

41 100

39 27.2 51.8 77.8#

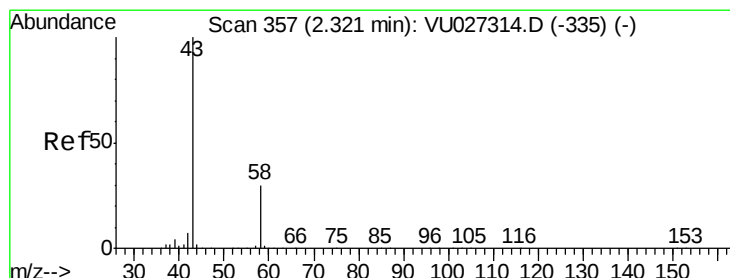
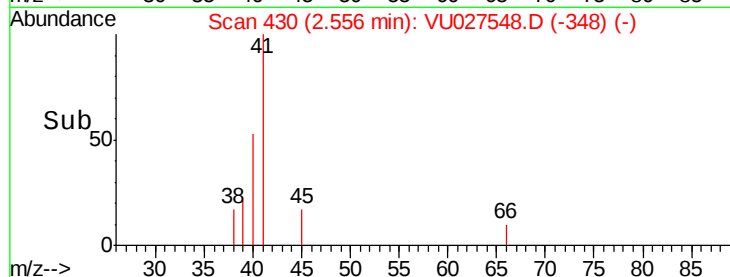
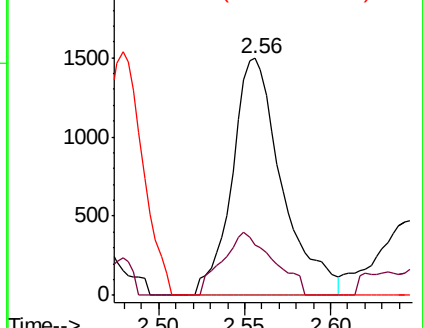
76 0.0 25.9 38.9#



Abundance Ion 41.00 (40.70 to 41.70): VU0

Ion 39.00 (38.70 to 39.70): VU0

Ion 75.90 (75.60 to 76.60): VU0



#16

Acetone

Concen: 6.447 ug/l

RT: 2.32 min Scan# 358

Delta R.T. 0.00 min

Lab File: VU027548.D

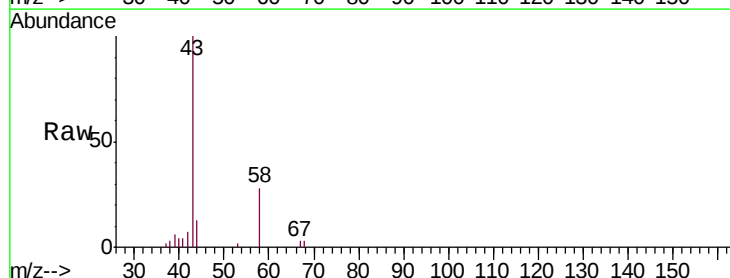
Acq: 10 Oct 2018 01:48

Tgt Ion: 43 Resp: 9048

Ion Ratio Lower Upper

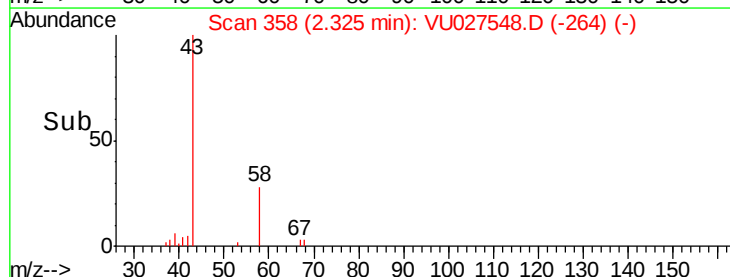
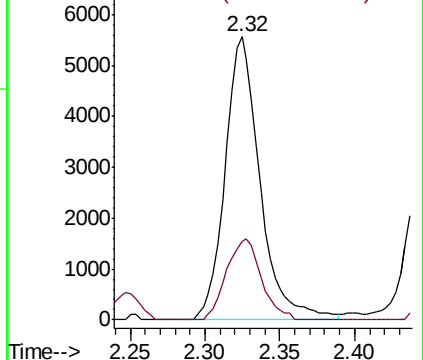
43 100

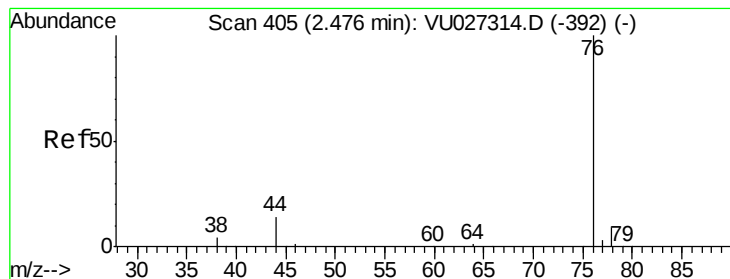
58 27.6 24.2 36.4



Abundance Ion 43.00 (42.70 to 43.70): VU0

Ion 58.00 (57.70 to 58.70): VU0

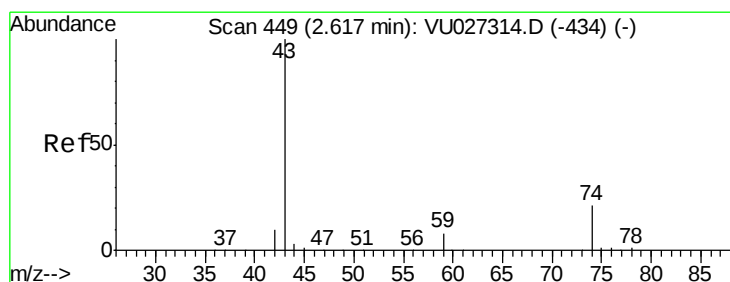
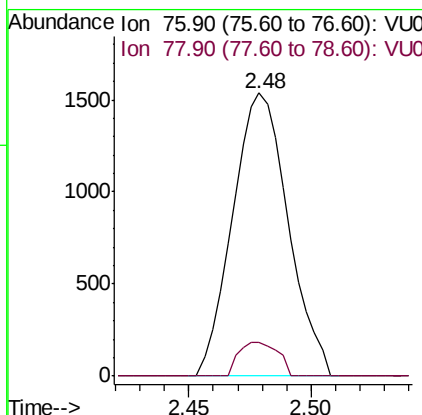
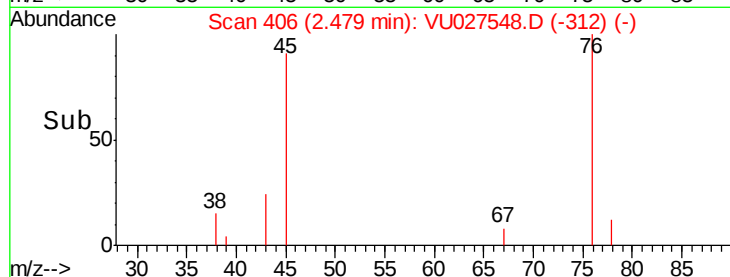
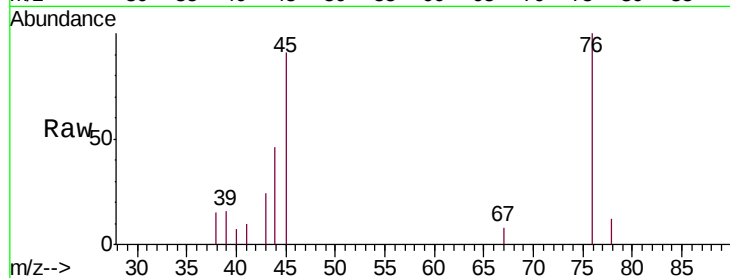




#17
Carbon Disulfide
Concen: 0.447 ug/l
RT: 2.48 min Scan# 406
Delta R.T. 0.00 min
Lab File: VU027548.D
Acq: 10 Oct 2018 01:48

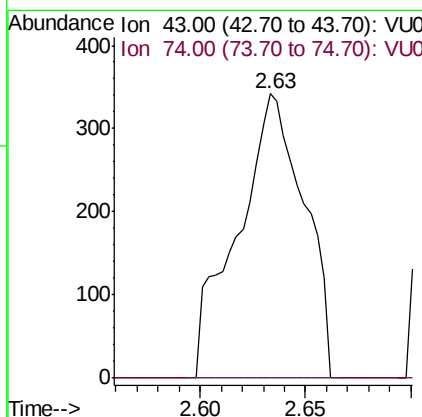
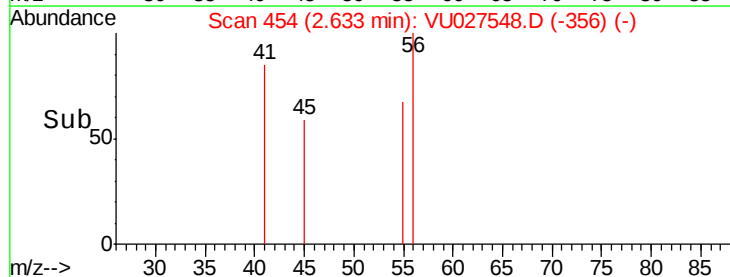
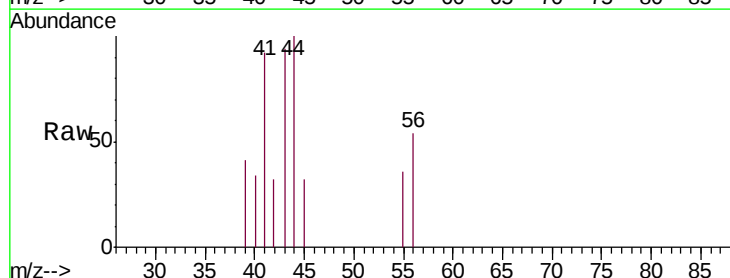
Instrument :
MSVOA_U
ClientSampled :
TW-4

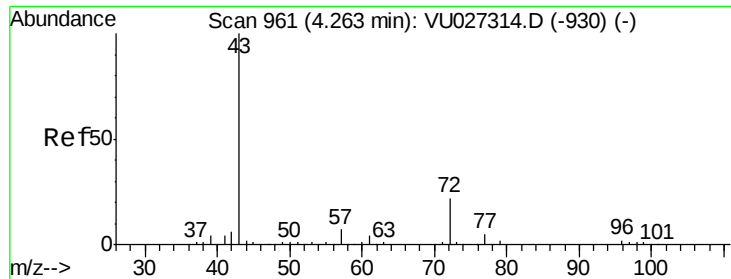
Tgt Ion: 76 Resp: 2424
Ion Ratio Lower Upper
76 100
78 12.0 7.3 10.9#



#18
Methyl Acetate
Concen: 0.235 ug/l
RT: 2.63 min Scan# 454
Delta R.T. 0.02 min
Lab File: VU027548.D
Acq: 10 Oct 2018 01:48

Tgt Ion: 43 Resp: 753
Ion Ratio Lower Upper
43 100
74 0.0 16.5 24.7#

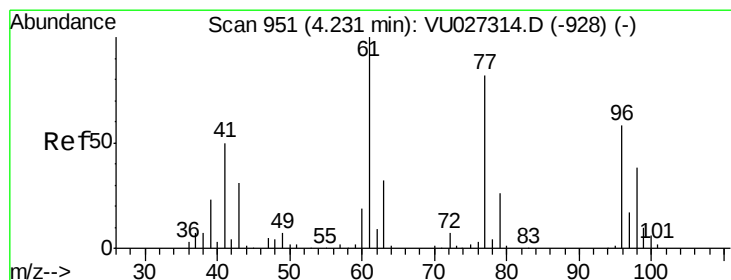
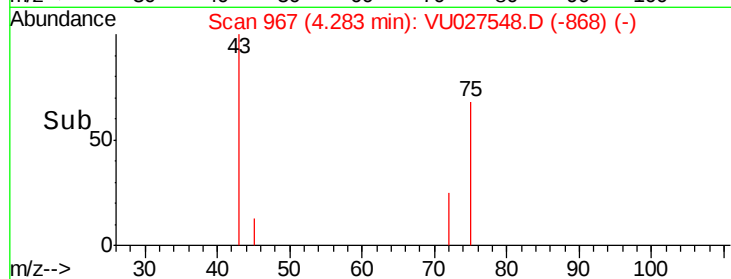
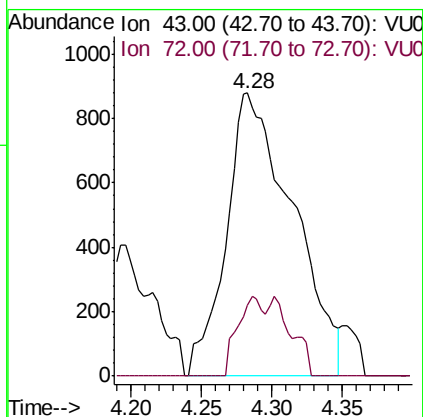
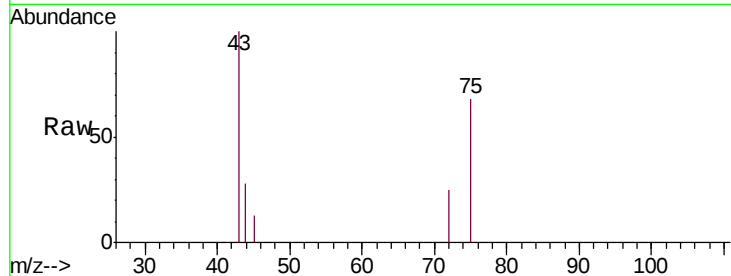




#25
 2-Butanone
 Concen: 1.511 ug/l
 RT: 4.28 min Scan# 967
 Delta R.T. 0.02 min
 Lab File: VU027548.D
 Acq: 10 Oct 2018 01:48

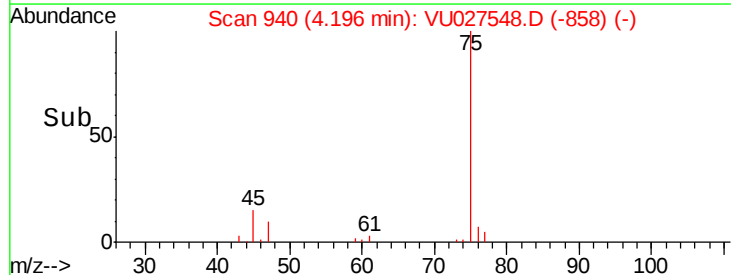
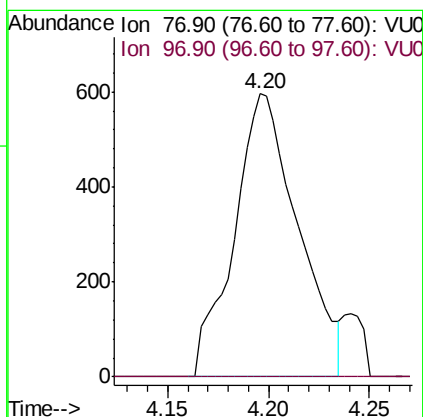
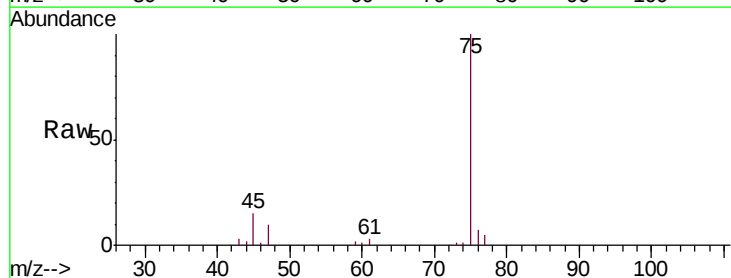
Instrument :
 MSVOA_U
 ClientSampleId :
 TW-4

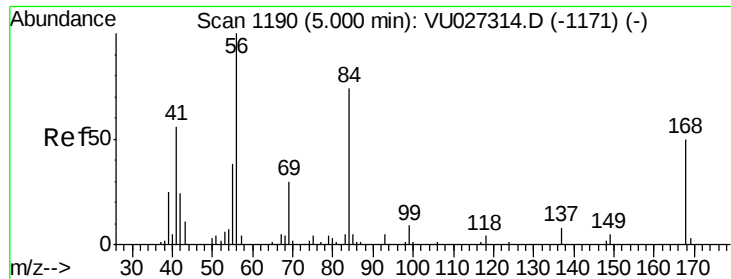
Tgt Ion: 43 Resp: 2891
 Ion Ratio Lower Upper
 43 100
 72 25.2 17.8 26.6



#26
 2,2-Dichloropropane
 Concen: 0.430 ug/l
 RT: 4.20 min Scan# 940
 Delta R.T. -0.04 min
 Lab File: VU027548.D
 Acq: 10 Oct 2018 01:48

Tgt Ion: 77 Resp: 1316
 Ion Ratio Lower Upper
 77 100
 97 0.0 10.4 31.1#

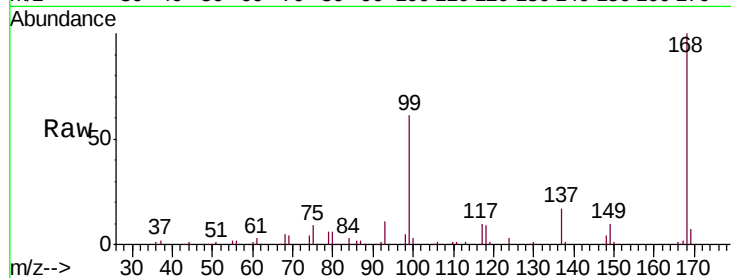




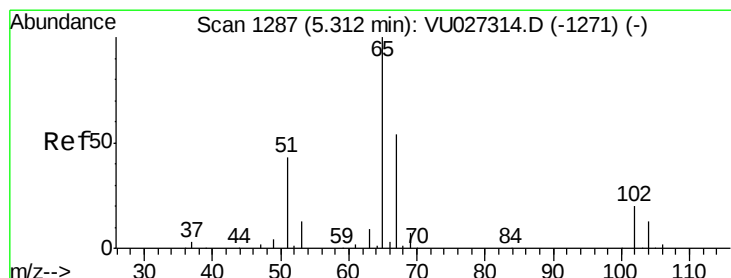
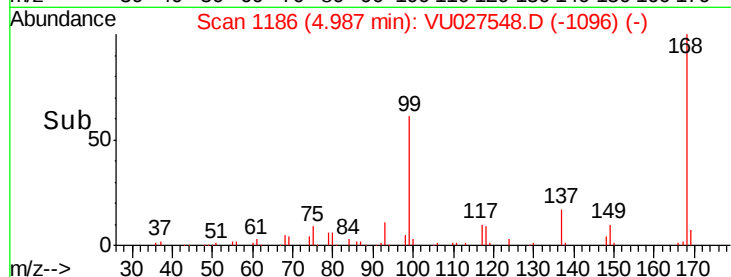
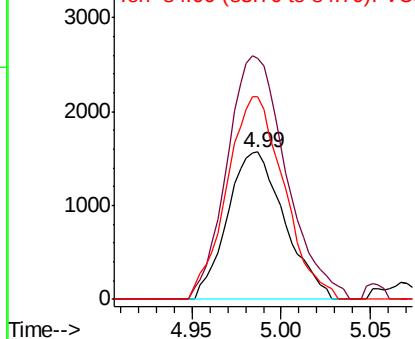
#31
Cyclohexane
Concen: 0.684 ug/l
RT: 4.99 min Scan# 1186
Delta R.T. -0.01 min
Lab File: VU027548.D
Acq: 10 Oct 2018 01:48

Instrument :
MSVOA_U
ClientSampled :
TW-4

Tgt Ion: 56 Resp: 3499
Ion Ratio Lower Upper
56 100
69 163.9 24.1 36.1#
84 137.4 59.1 88.7#

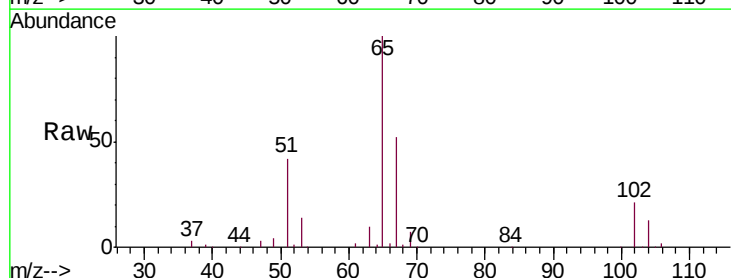


Abundance Ion 56.00 (55.70 to 56.70): VU0
Ion 69.00 (68.70 to 69.70): VU0
Ion 84.00 (83.70 to 84.70): VU0

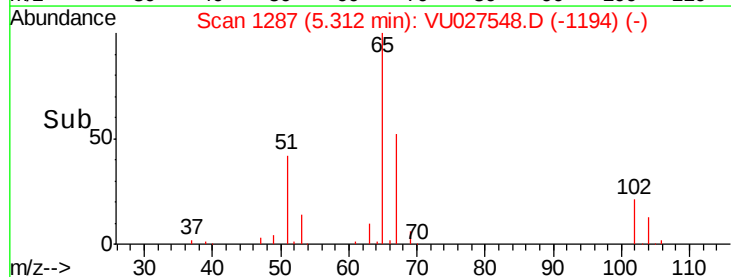
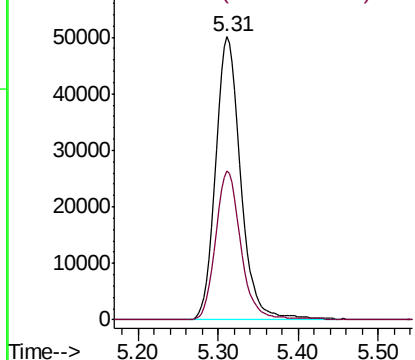


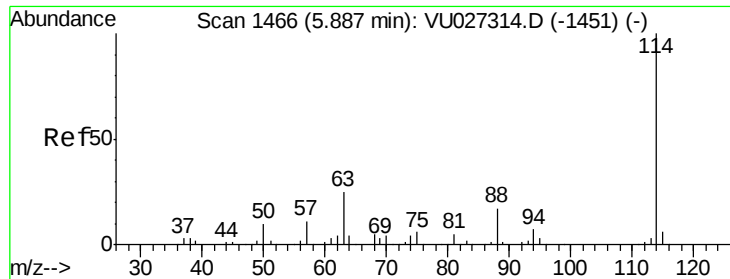
#33
1,2-Dichloroethane-d4
Concen: 46.047 ug/l
RT: 5.31 min Scan# 1287
Delta R.T. 0.00 min
Lab File: VU027548.D
Acq: 10 Oct 2018 01:48

Tgt Ion: 65 Resp: 109389
Ion Ratio Lower Upper
65 100
67 52.7 0.0 107.8



Abundance Ion 64.90 (64.60 to 65.60): VU0
Ion 66.90 (66.60 to 67.60): VU0

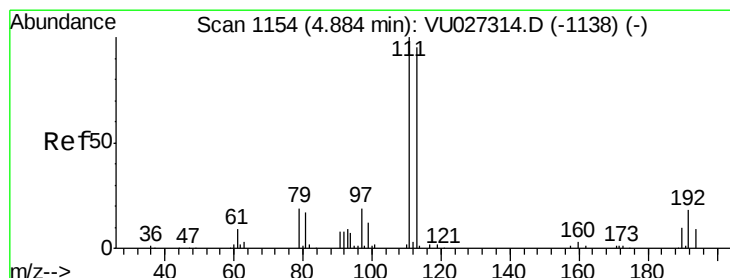
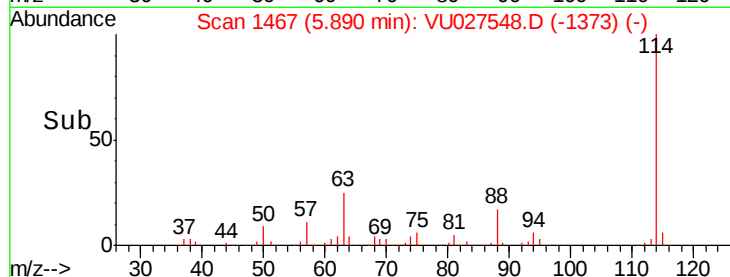
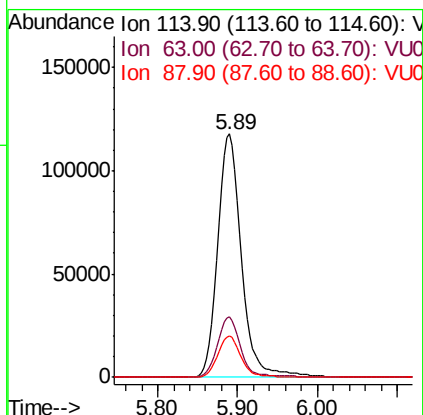
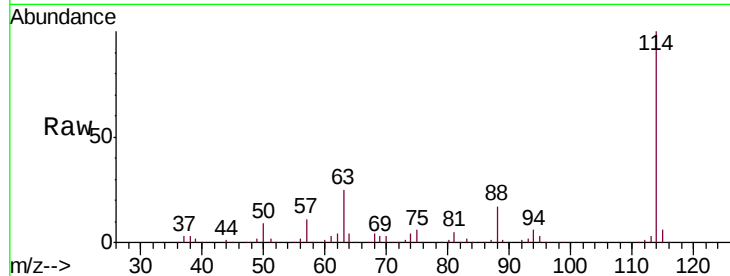




#34
 1,4-Difluorobenzene
 Concen: 50.000 ug/l
 RT: 5.89 min Scan# 1467
 Delta R.T. 0.00 min
 Lab File: VU027548.D
 Acq: 10 Oct 2018 01:48

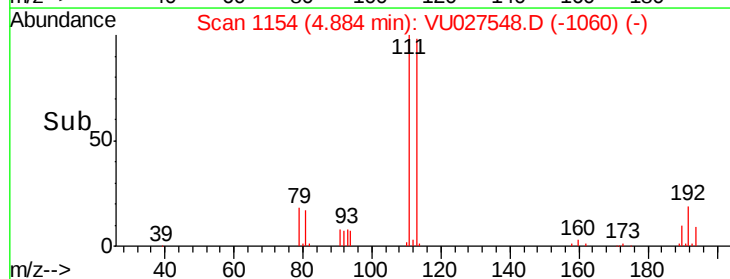
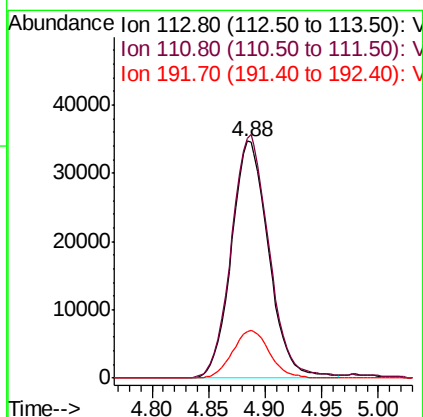
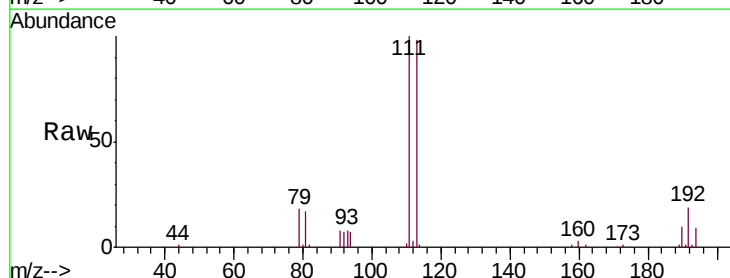
Instrument :
 MSVOA_U
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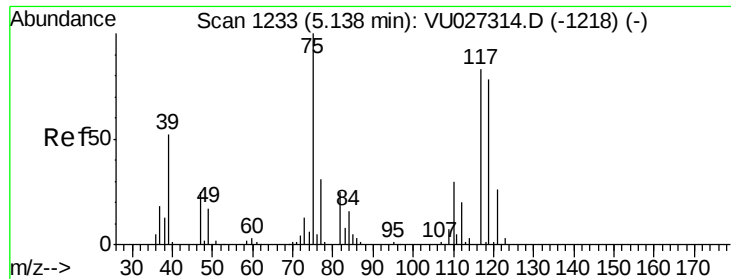
Tgt Ion:114 Resp: 243588
 Ion Ratio Lower Upper
 114 100
 63 24.9 0.0 50.2
 88 16.8 0.0 33.8



#35
 Dibromofluoromethane
 Concen: 47.615 ug/l
 RT: 4.88 min Scan# 1154
 Delta R.T. 0.00 min
 Lab File: VU027548.D
 Acq: 10 Oct 2018 01:48

Tgt Ion:113 Resp: 79488
 Ion Ratio Lower Upper
 113 100
 111 104.1 83.1 124.7
 192 19.9 15.4 23.0

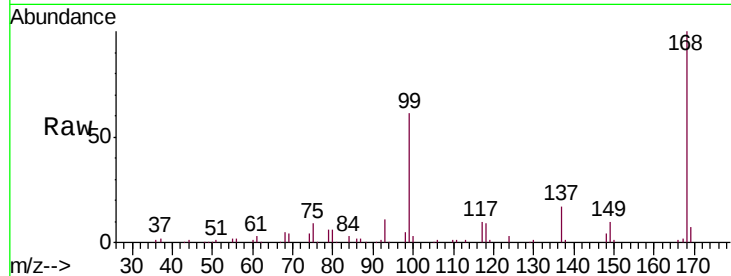




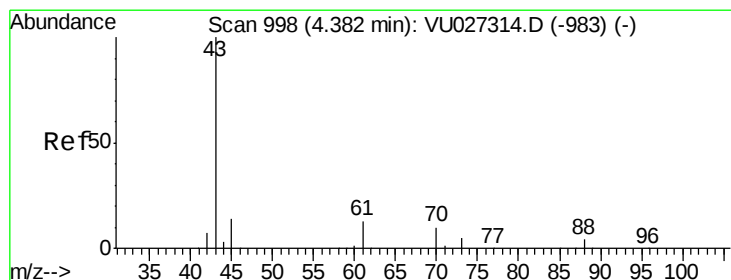
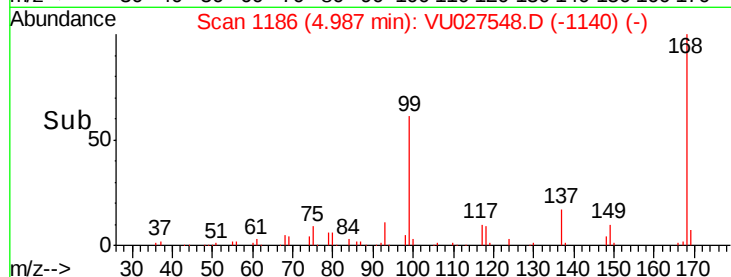
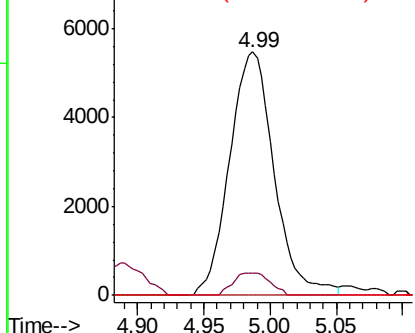
#36
 1,1-Dichloropropene
 Concen: 4.844 ug/l
 RT: 4.99 min Scan# 1186
 Delta R.T. -0.15 min
 Lab File: VU027548.D
 Acq: 10 Oct 2018 01:48

Instrument :
 MSVOA_U
 ClientSampleId :
 TW-4

Tgt Ion: 75 Resp: 12811
 Ion Ratio Lower Upper
 75 100
 110 7.5 15.5 46.5#
 77 0.0 25.4 38.0#

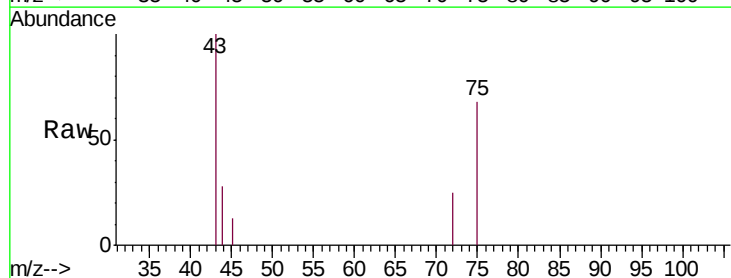


Abundance Ion 74.90 (74.60 to 75.60): VU0
 Ion 109.90 (109.60 to 110.60): VU0
 Ion 76.90 (76.60 to 77.60): VU0

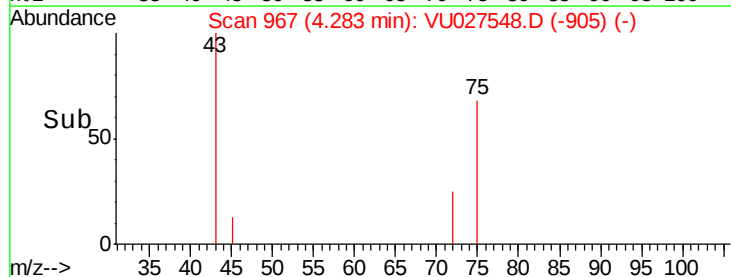
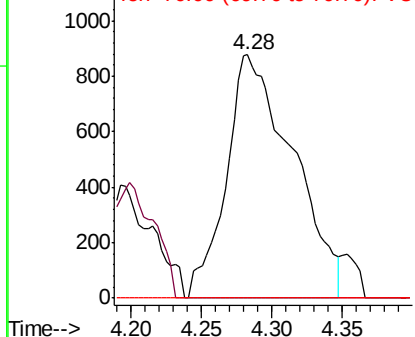


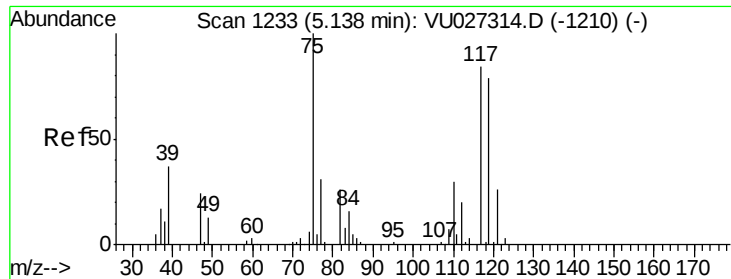
#37
 Ethyl Acetate
 Concen: 0.846 ug/l
 RT: 4.28 min Scan# 967
 Delta R.T. -0.10 min
 Lab File: VU027548.D
 Acq: 10 Oct 2018 01:48

Tgt Ion: 43 Resp: 2891
 Ion Ratio Lower Upper
 43 100
 61 0.0 10.7 16.1#
 70 0.0 7.4 11.2#



Abundance Ion 43.00 (42.70 to 43.70): VU0
 Ion 60.90 (60.60 to 61.60): VU0
 Ion 70.00 (69.70 to 70.70): VU0





#38

Carbon Tetrachloride

Concen: 6.035 ug/l

RT: 4.99 min Scan# 1186

Delta R.T. -0.15 min

Lab File: VU027548.D

Acq: 10 Oct 2018 01:48

Instrument :

MSVOA_U

ClientSampled :

TW-4

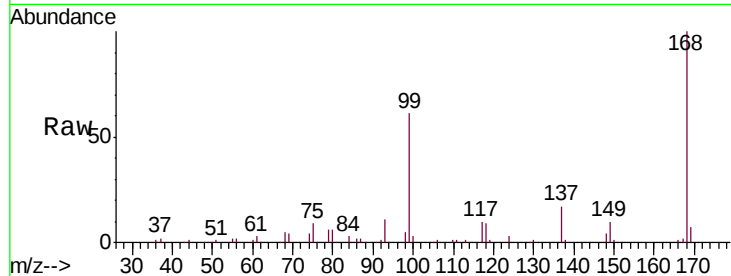
Tgt Ion: 117 Resp: 14418

Ion Ratio Lower Upper

117 100

119 7.0 74.5 111.7#

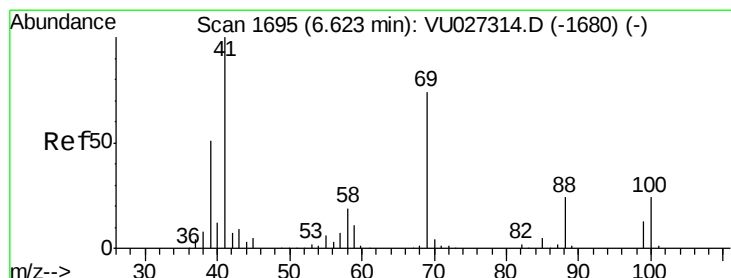
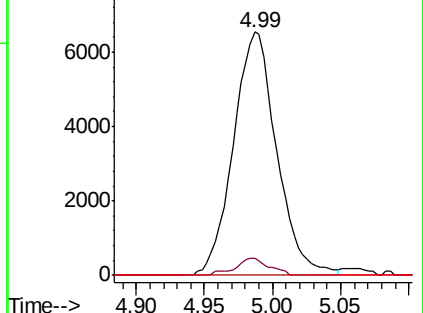
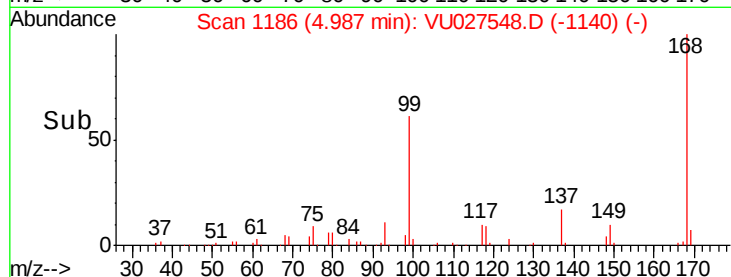
121 0.0 24.6 37.0#



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



#48

Methyl methacrylate

Concen: 0.367 ug/l

RT: 6.55 min Scan# 1672

Delta R.T. -0.07 min

Lab File: VU027548.D

Acq: 10 Oct 2018 01:48

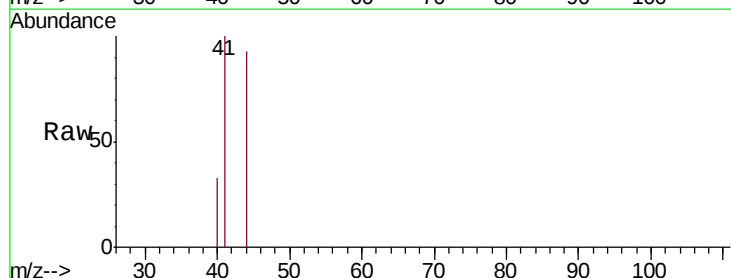
Tgt Ion: 41 Resp: 969

Ion Ratio Lower Upper

41 100

69 0.0 61.0 91.4#

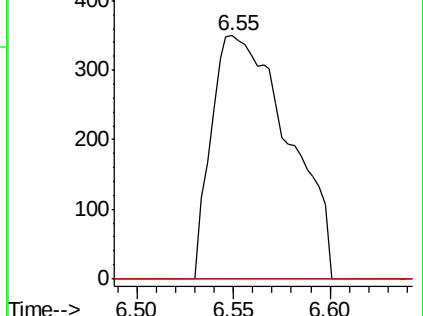
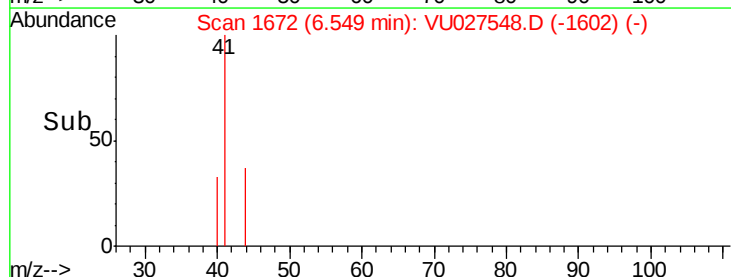
39 0.0 39.9 59.9#

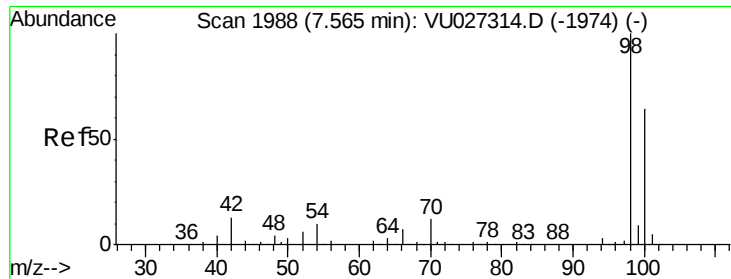


Abundance Ion 41.00 (40.70 to 41.70): VU0

Ion 69.00 (68.70 to 69.70): VU0

Ion 39.00 (38.70 to 39.70): VU0

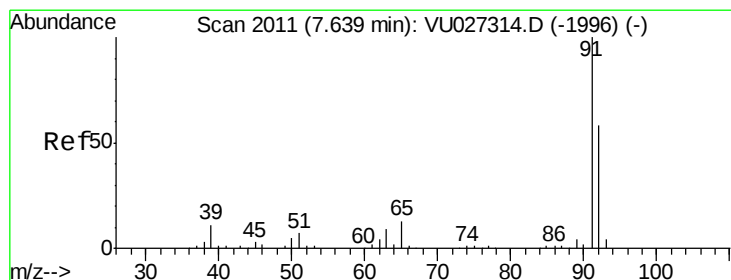
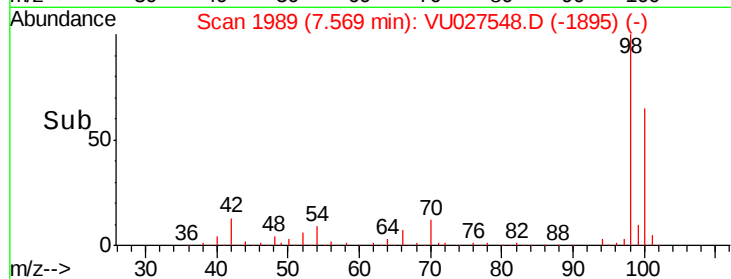
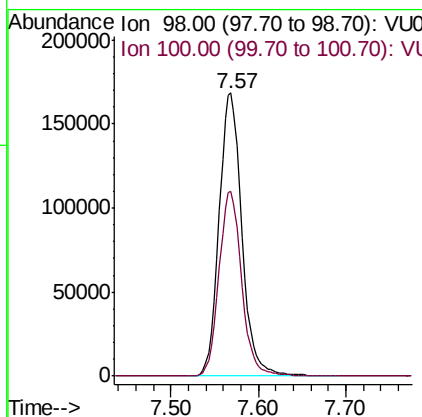
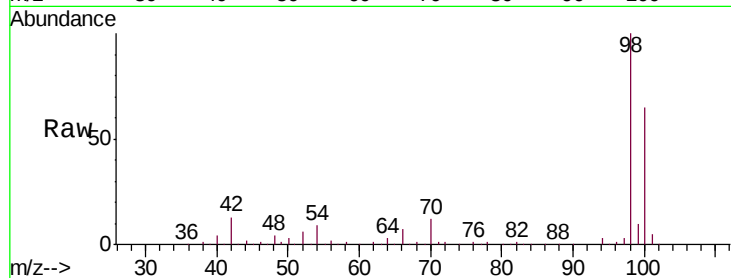




#50
Toluene-d8
Concen: 48.705 ug/l
RT: 7.57 min Scan# 1989
Delta R.T. 0.00 min
Lab File: VU027548.D
Acq: 10 Oct 2018 01:48

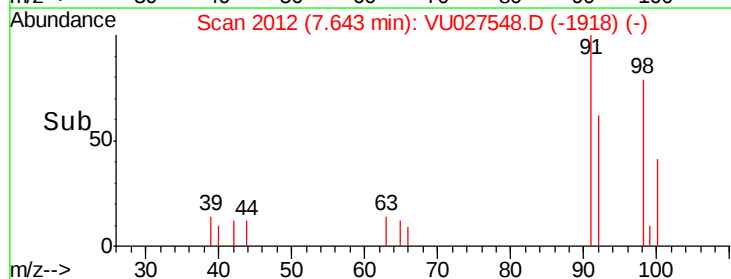
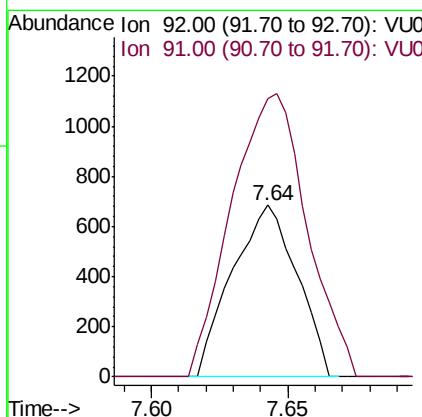
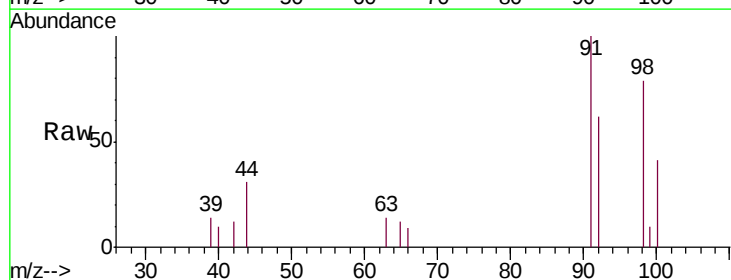
Instrument :
MSVOA_U
ClientSampleId :
TW-4

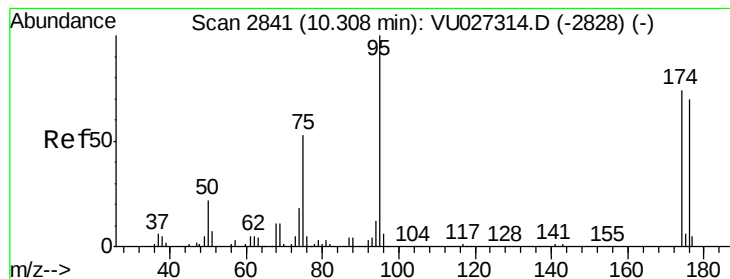
Tgt Ion: 98 Resp: 304309
Ion Ratio Lower Upper
98 100
100 65.1 52.1 78.1



#52
Toluene
Concen: 0.248 ug/l
RT: 7.64 min Scan# 2012
Delta R.T. 0.00 min
Lab File: VU027548.D
Acq: 10 Oct 2018 01:48

Tgt Ion: 92 Resp: 1132
Ion Ratio Lower Upper
92 100
91 191.6 138.6 208.0





#62

4-Bromofluorobenzene

Concen: 42.757 ug/l

RT: 10.31 min Scan# 2841

Delta R.T. 0.00 min

Lab File: VU027548.D

Acq: 10 Oct 2018 01:48

Instrument :

MSVOA_U

ClientSampled :

TW-4

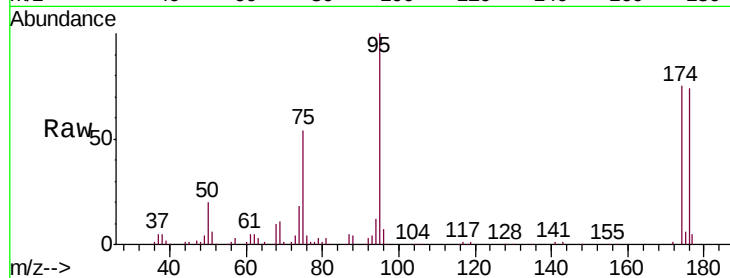
Tgt Ion: 95 Resp: 99281

Ion Ratio Lower Upper

95 100

174 77.0 0.0 147.8

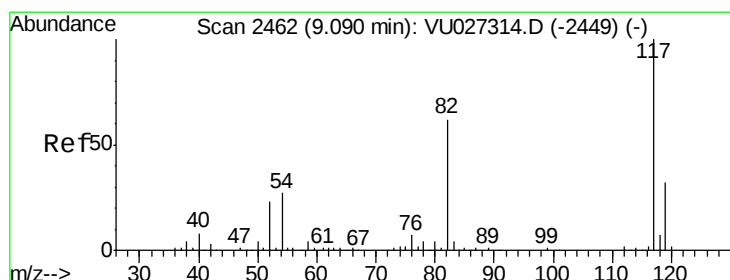
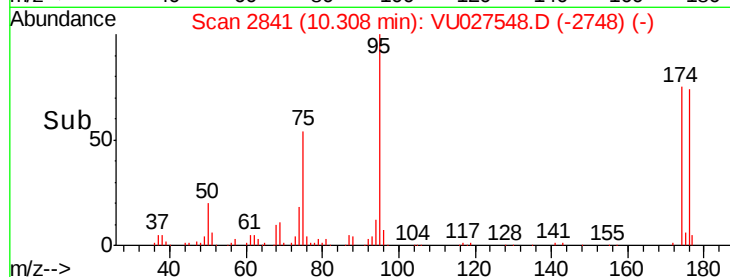
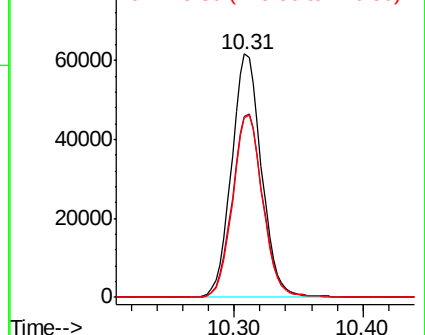
176 75.1 0.0 140.8



Abundance Ion 94.90 (94.60 to 95.60): VU027314.D (-2828) (-)

Ion 173.80 (173.50 to 174.50): VU027314.D (-2828) (-)

Ion 175.80 (175.50 to 176.50): VU027314.D (-2828) (-)



#63

Chlorobenzene-d5

Concen: 50.000 ug/l

RT: 9.09 min Scan# 2463

Delta R.T. 0.00 min

Lab File: VU027548.D

Acq: 10 Oct 2018 01:48

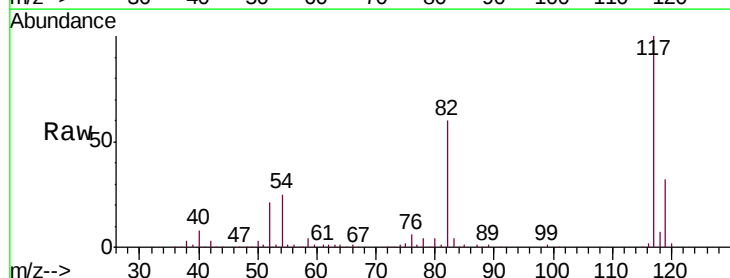
Tgt Ion: 117 Resp: 213681

Ion Ratio Lower Upper

117 100

82 59.8 49.2 73.8

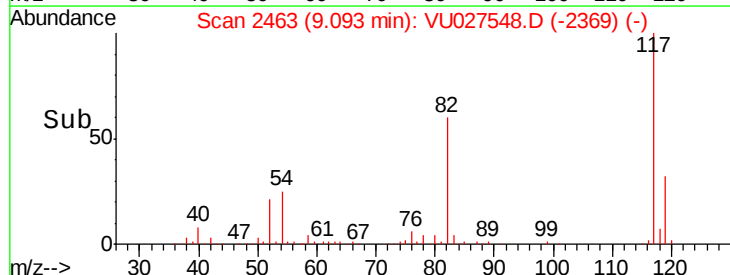
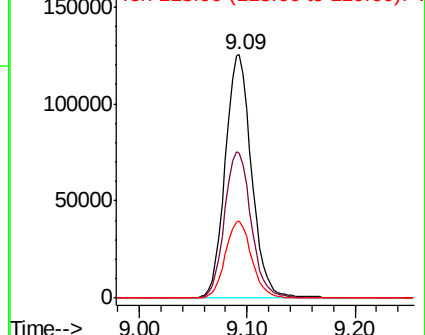
119 31.5 25.7 38.5

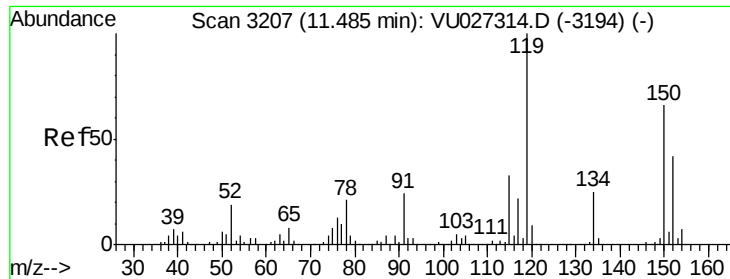


Abundance Ion 116.90 (116.60 to 117.60): VU027314.D (-2449) (-)

Ion 82.00 (81.70 to 82.70): VU027314.D (-2449) (-)

Ion 118.90 (118.60 to 119.60): VU027314.D (-2449) (-)





#72

1,4-Dichlorobenzene-d4

Concen: 50.000 ug/l

RT: 11.48 min Scan# 3207

Delta R.T. 0.00 min

Lab File: VU027548.D

Acq: 10 Oct 2018 01:48

Instrument :

MSVOA_U

ClientSampleId :

TW-4

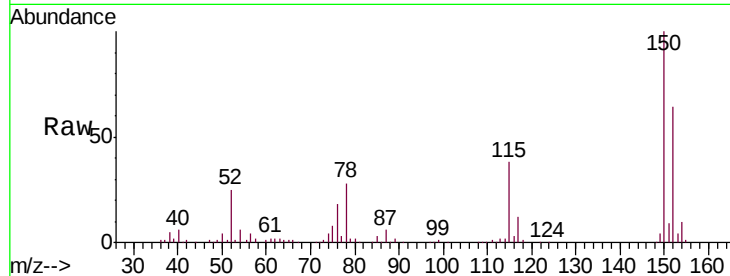
Tgt Ion:152 Resp: 92252

Ion Ratio Lower Upper

152 100

115 59.8 43.4 130.2

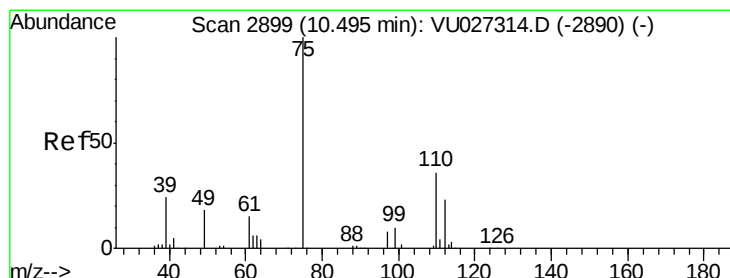
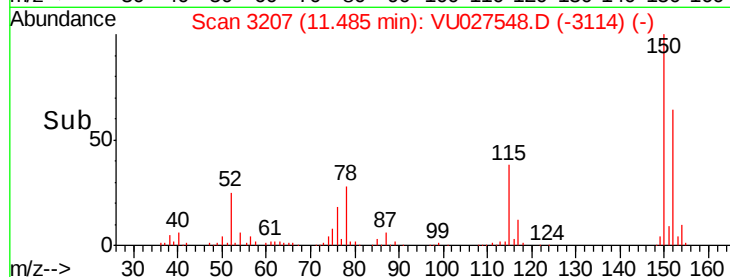
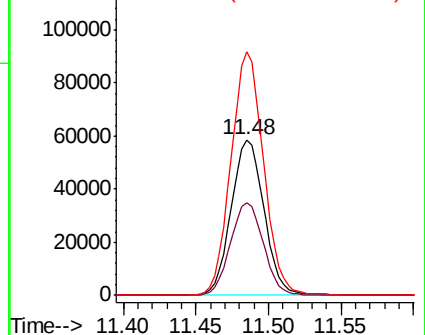
150 155.2 0.0 349.2



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: 22.040 ug/l

RT: 10.31 min Scan# 2841

Delta R.T. -0.19 min

Lab File: VU027548.D

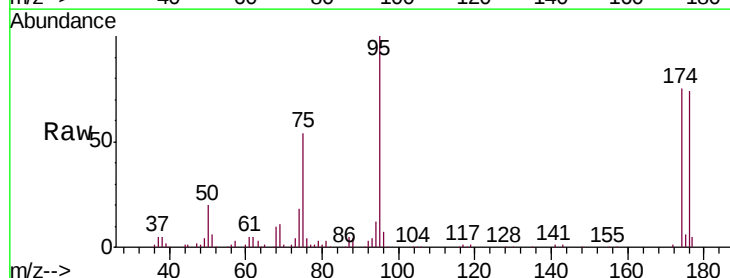
Acq: 10 Oct 2018 01:48

Tgt Ion: 75 Resp: 52706

Ion Ratio Lower Upper

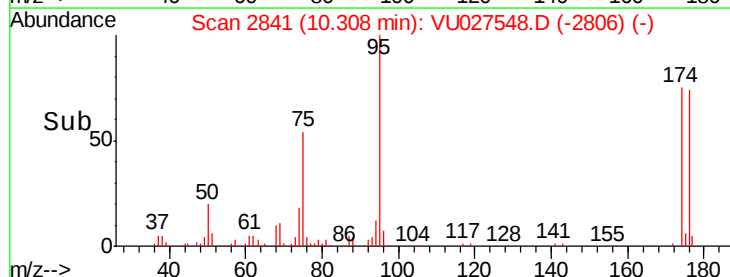
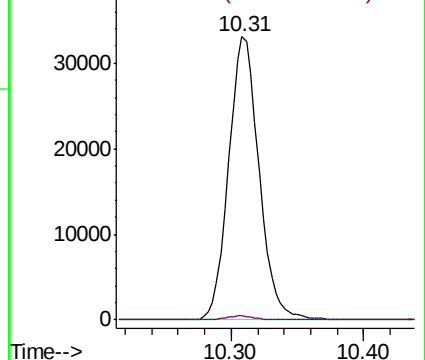
75 100

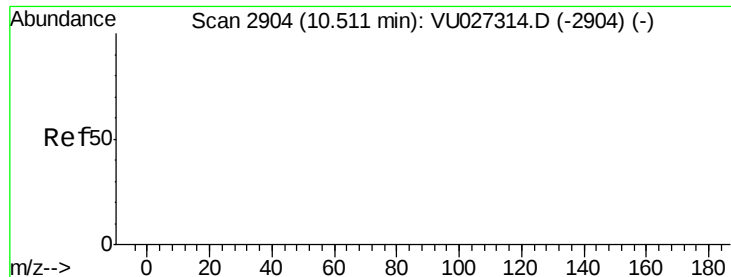
77 1.3 20.3 60.9#



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: 57.681 ug/l

RT: 10.31 min Scan# 2841

Delta R.T. -0.20 min

Lab File: VU027548.D

Acq: 10 Oct 2018 01:48

Instrument :

MSVOA_U

ClientSampleId :

TW-4

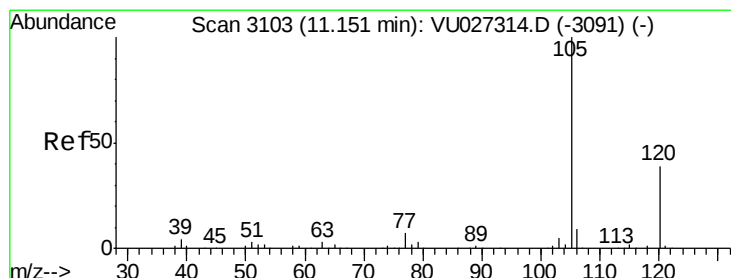
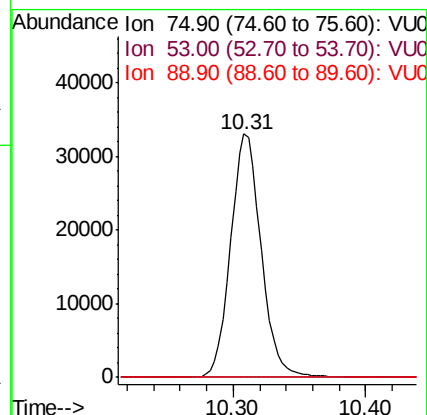
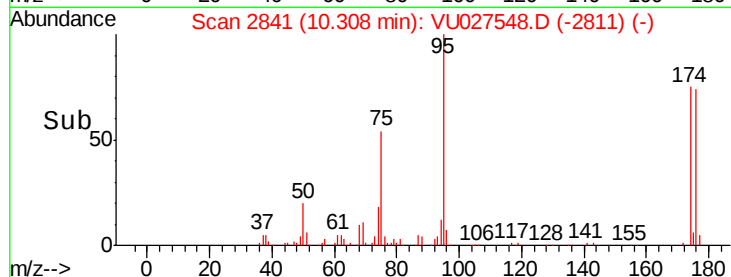
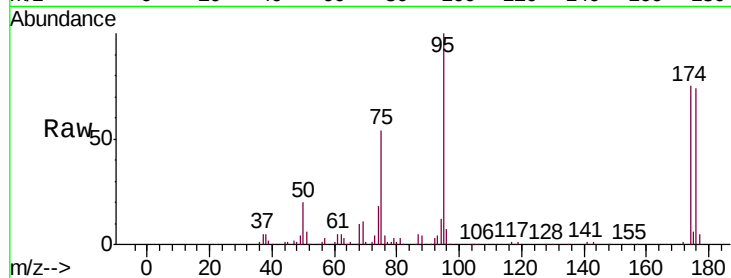
Tgt Ion: 75 Resp: 52706

Ion Ratio Lower Upper

75 100

53 0.0 0.0 0.0

89 0.0 0.0 0.0



#84

1,2,4-Trimethylbenzene

Concen: 0.332 ug/l

RT: 11.15 min Scan# 3104

Delta R.T. 0.00 min

Lab File: VU027548.D

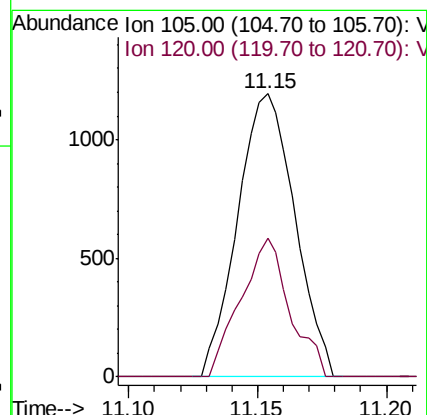
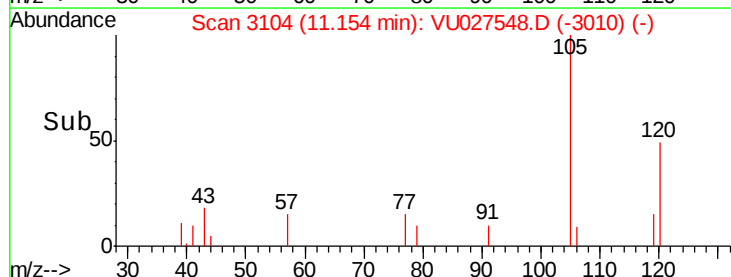
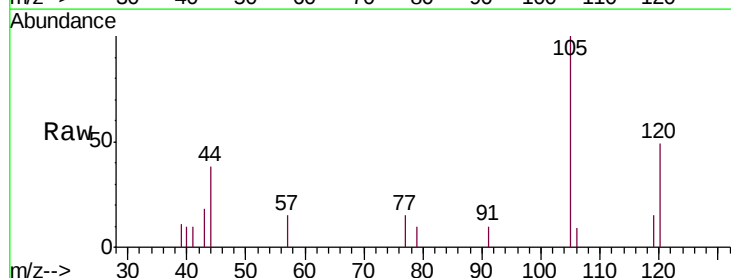
Acq: 10 Oct 2018 01:48

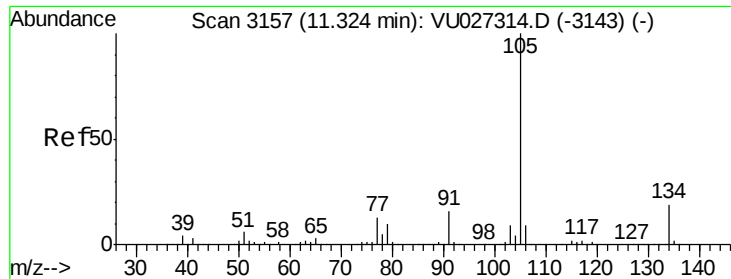
Tgt Ion: 105 Resp: 1848

Ion Ratio Lower Upper

105 100

120 42.2 22.1 66.5





#85

sec-Butylbenzene

Concen: 0.278 ug/l

RT: 11.15 min Scan# 3104

Delta R.T. -0.17 min

Lab File: VU027548.D

Acq: 10 Oct 2018 01:48

Instrument :

MSVOA_U

ClientSampled :

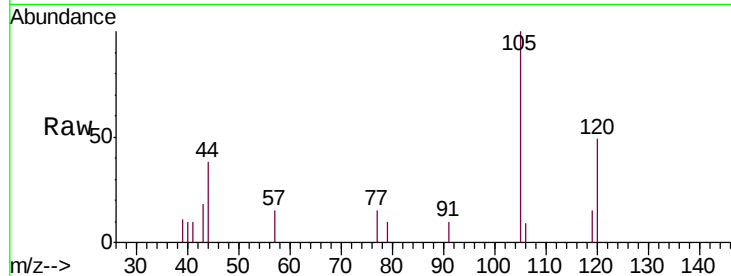
TW-4

Tgt Ion: 105 Resp: 1848

Ion Ratio Lower Upper

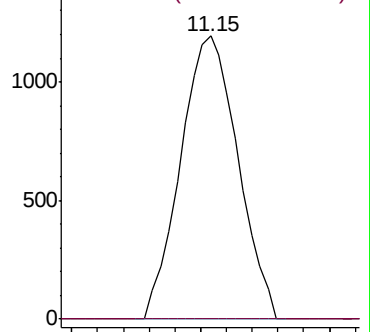
105 100

134 0.0 9.6 28.6#

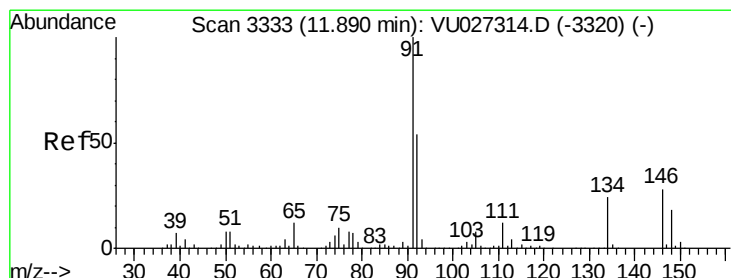
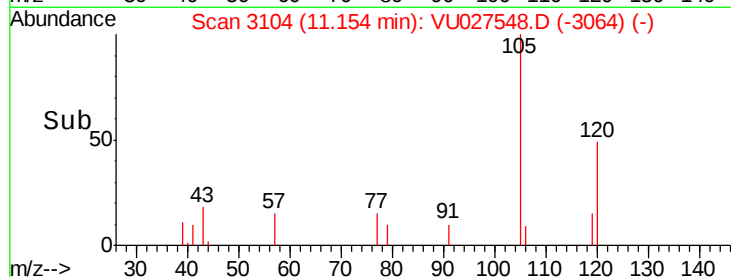


Abundance Ion 105.00 (104.70 to 105.70): V

Ion 134.00 (133.70 to 134.70): V



Time-->



#89

n-Butylbenzene

Concen: 1.956 ug/l

RT: 11.90 min Scan# 3335

Delta R.T. 0.01 min

Lab File: VU027548.D

Acq: 10 Oct 2018 01:48

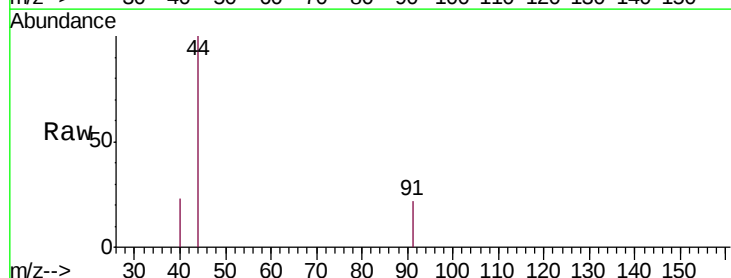
Tgt Ion: 91 Resp: 40

Ion Ratio Lower Upper

91 100

92 0.0 27.0 81.0#

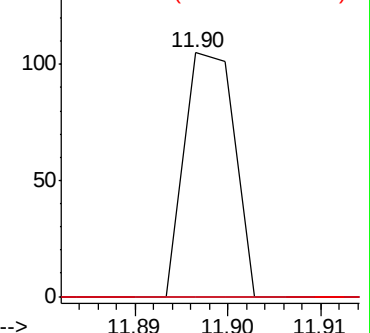
134 0.0 11.7 35.1#



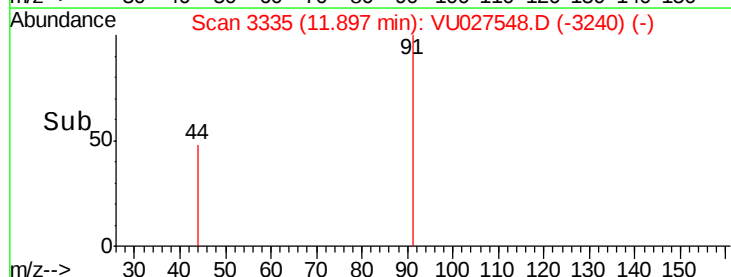
Abundance Ion 91.00 (90.70 to 91.70): VU0

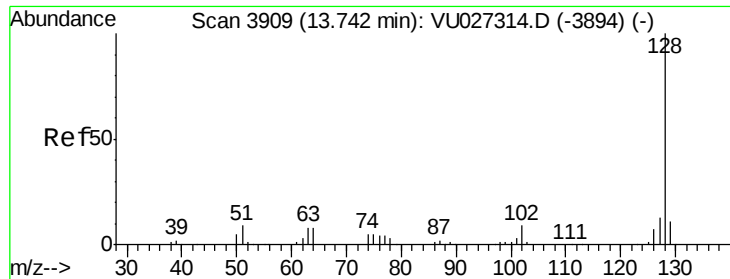
Ion 92.00 (91.70 to 92.70): VU0

Ion 134.00 (133.70 to 134.70): V



Time-->





#95

Naphthalene

Concen: 1.693 ug/l

RT: 13.77 min Scan# 3917

Delta R.T. 0.03 min

Lab File: VU027548.D

Acq: 10 Oct 2018 01:48

Instrument :

MSVOA_U

ClientSampleId :

TW-4

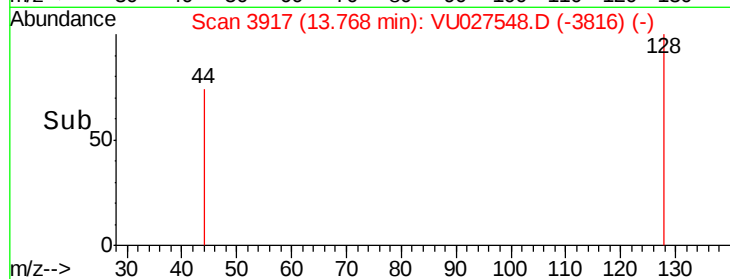
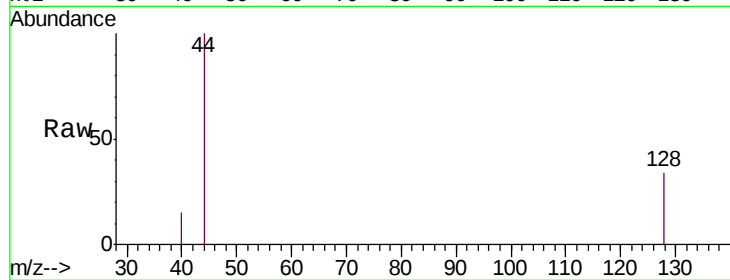
Tgt Ion:128 Resp: 235

Ion Ratio Lower Upper

128 100

127 0.0 10.5 15.7#

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

