

Data Path : Z:\VOASRV\HPCHEM1\MSVOA U\DATA\U121318\
 Data File : VU028611.D
 Acq On : 11 Dec 2018 16:49
 Operator : MD/SY
 Sample : J6323-10RE
 Misc : 5.0mL/MSVOA U/WATER
 ALS Vial : 5 Sample Multiplier: 1

Instrument :
 MSVOA_U
 ClientSampleId :
 RE-123D2-20181207

Quant Time: Dec 12 04:11:29 2018
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_U\METHOD\82U120618W.M
 Quant Title : SW846 8260
 QLast Update : Fri Dec 07 00:39:42 2018
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	4.98	168	88990	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	5.89	114	166204	50.00	ug/l	0.00
63) Chlorobenzene-d5	9.09	117	147865	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	11.48	152	57196	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	74165	54.61	ug/l	0.00
Spiked Amount			Recovery	=	109.22%	
35) Dibromofluoromethane	4.88	113	55143	52.72	ug/l	0.00
Spiked Amount			Recovery	=	105.44%	
50) Toluene-d8	7.57	98	215337	52.04	ug/l	0.00
Spiked Amount			Recovery	=	104.08%	
62) 4-Bromofluorobenzene	10.31	95	70846	45.81	ug/l	0.00
Spiked Amount			Recovery	=	91.62%	

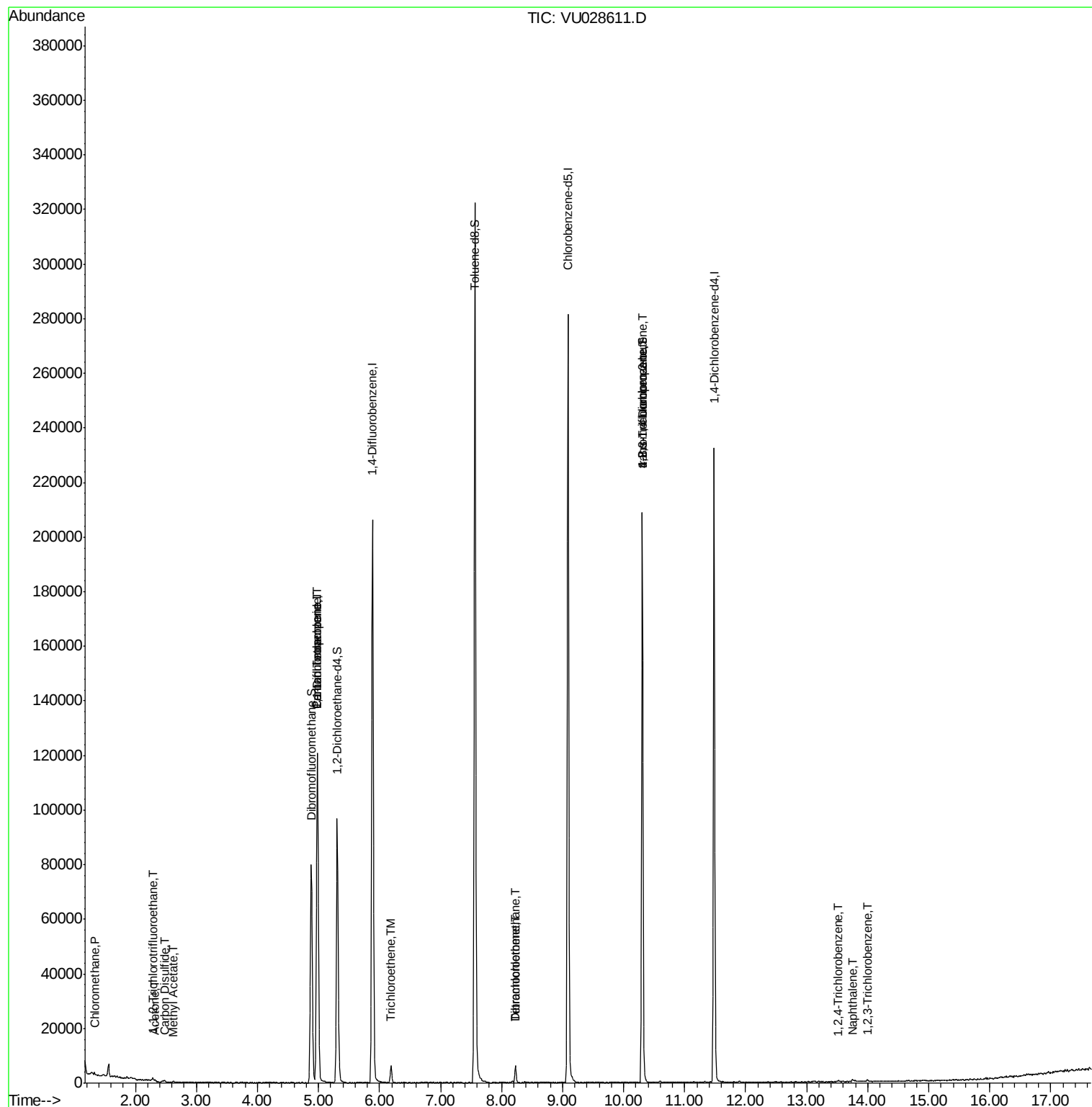
Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
3) Chloromethane	1.33	50	1004	0.458	ug/l	93
9) 1,1,2-Trichlorotrifluoroet	2.29	101	210	0.211	ug/l #	50
16) Acetone	2.32	43	797	0.899	ug/l	97
17) Carbon Disulfide	2.48	76	839	0.235	ug/l #	74
18) Methyl Acetate	2.62	43	591	0.257	ug/l #	56
31) Cyclohexane	4.98	56	2183	Below Cal	#	1
36) 1,1-Dichloropropene	4.98	75	7765	4.269	ug/l #	50
38) Carbon Tetrachloride	4.98	117	8684	5.924	ug/l #	16
44) Trichloroethene	6.19	130	2157	1.811	ug/l	83
60) Dibromochloromethane	8.23	129	1306	1.070	ug/l #	10
64) Tetrachloroethene	8.23	164	1439	1.459	ug/l	90
76) 1,2,3-Trichloropropane	10.30	75	36268	24.832	ug/l #	36
81) trans-1,4-Dichloro-2-buten	10.30	75	36268	60.939	ug/l #	100
93) 1,2,4-Trichlorobenzene	13.52	180	302	1.066	ug/l #	73
95) Naphthalene	13.75	128	994	0.214	ug/l #	69
96) 1,2,3-Trichlorobenzene	14.00	180	322	0.389	ug/l #	83

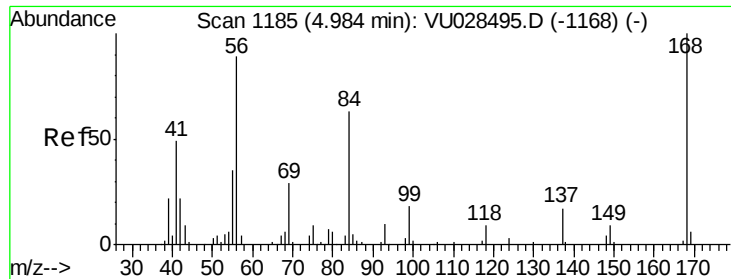
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 4.98 min Scan# 1185

Delta R.T. -0.00 min

Lab File: VU028611.D

Acq: 11 Dec 2018 16:49

Instrument :

MSVOA_U

ClientSampleId :

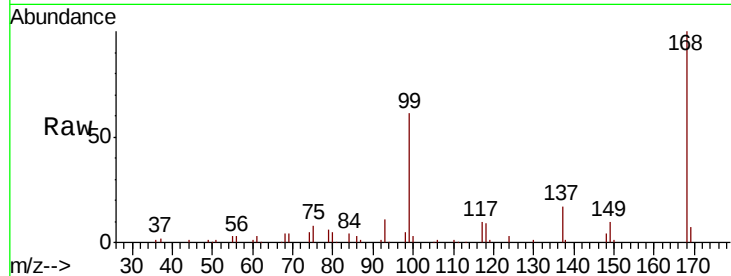
RE-123D2-20181207

Tot Ion:168 Resp: 88990

Ion Ratio Lower Upper

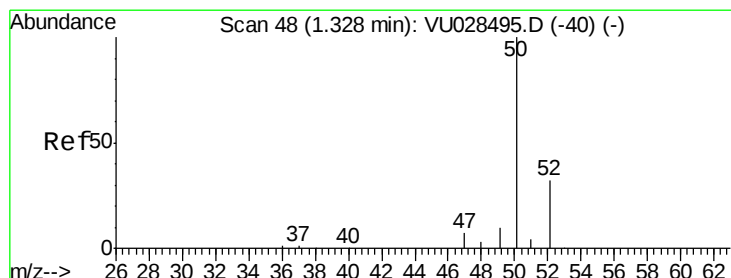
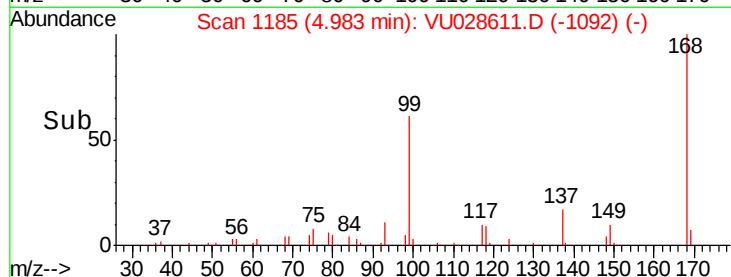
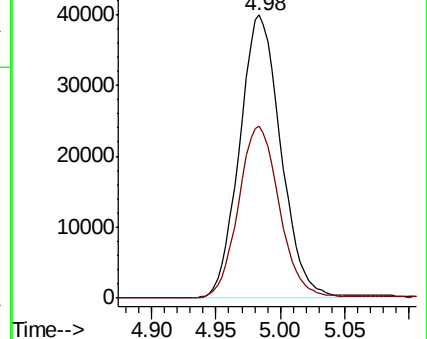
168 100

99 60.7 46.6 69.8



Abundance Ion 167.90 (167.60 to 168.60): VU028495.D (-1168) (-)

Ion 98.90 (98.60 to 99.60): VU028495.D (-1168) (-)



#3

Chloromethane

Concen: 0.458 ug/l

RT: 1.33 min Scan# 49

Delta R.T. 0.00 min

Lab File: VU028611.D

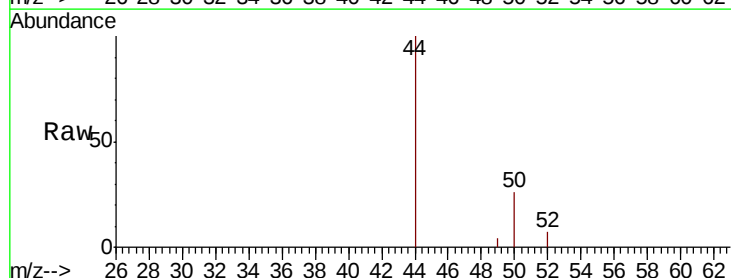
Acq: 11 Dec 2018 16:49

Tgt Ion: 50 Resp: 1004

Ion Ratio Lower Upper

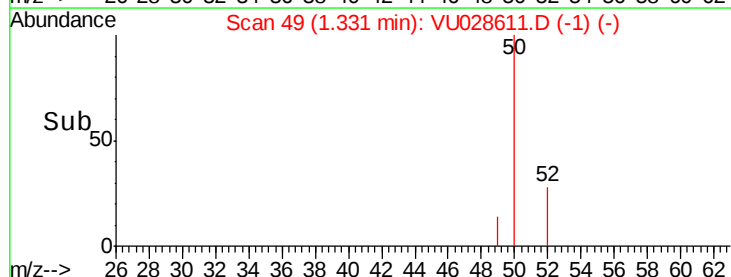
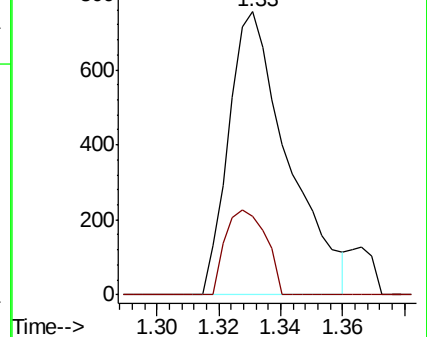
50 100

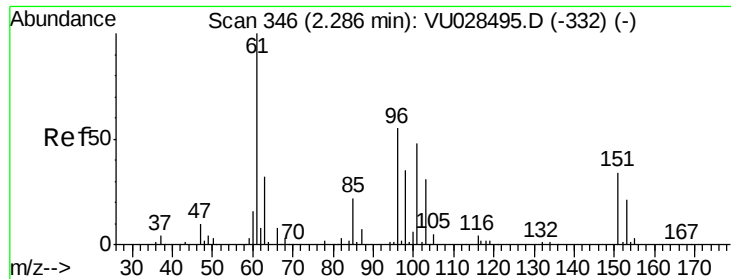
52 27.8 25.5 38.3



Abundance Ion 49.90 (49.60 to 50.60): VU028495.D (-40) (-)

Ion 51.90 (51.60 to 52.60): VU028495.D (-40) (-)





#9

1,1,2-Trichlorotrifluoroethane

Concen: 0.211 ug/l

RT: 2.29 min Scan# 347

Delta R.T. 0.00 min

Lab File: VU028611.D

Acq: 11 Dec 2018 16:49

Instrument :

MSVOA_U

ClientSampleId :

RE-123D2-20181207

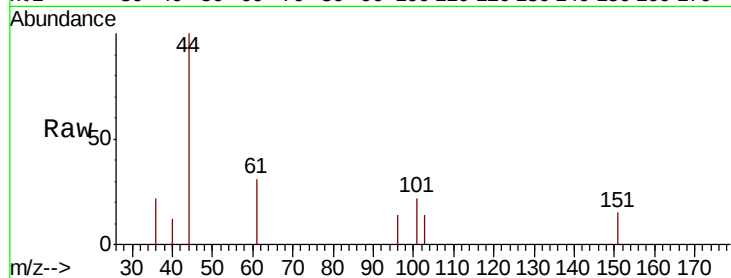
Tot Ion:101 Resp: 210

Ion Ratio Lower Upper

101 100

85 10.0 36.4 54.6#

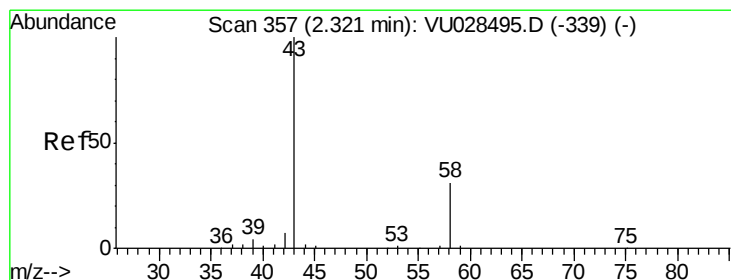
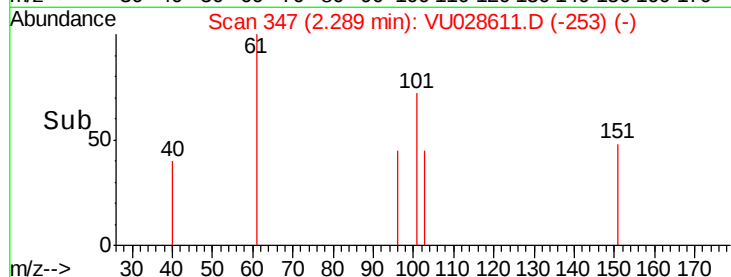
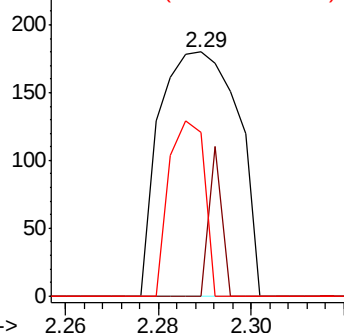
151 32.4 58.2 87.2#



Abundance Ion 100.90 (100.60 to 101.60): V

Ion 84.90 (84.60 to 85.60): VU0

Ion 150.80 (150.50 to 151.50): V



#16

Acetone

Concen: 0.899 ug/l

RT: 2.32 min Scan# 356

Delta R.T. -0.00 min

Lab File: VU028611.D

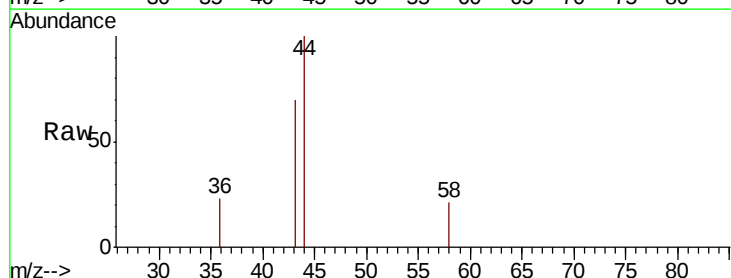
Acq: 11 Dec 2018 16:49

Tgt Ion: 43 Resp: 797

Ion Ratio Lower Upper

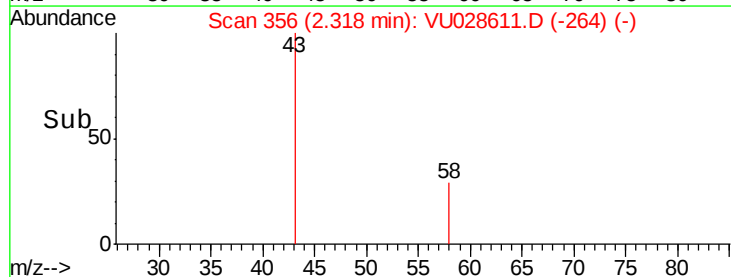
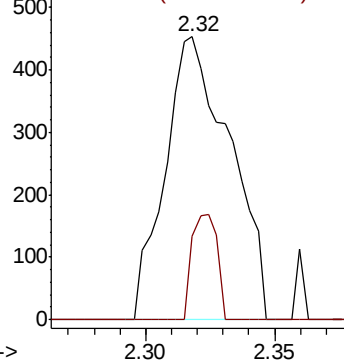
43 100

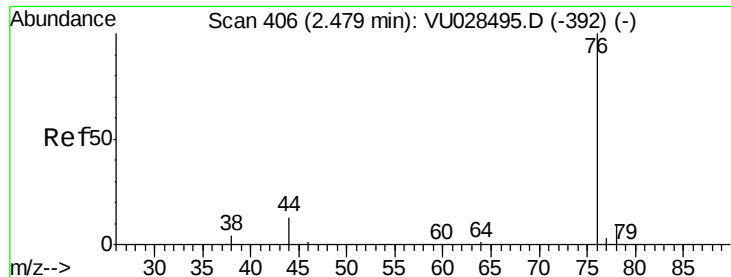
58 29.4 24.6 37.0



Abundance Ion 43.00 (42.70 to 43.70): VU0

Ion 58.00 (57.70 to 58.70): VU0





#17

Carbon Disulfide

Concen: 0.235 ug/l

RT: 2.48 min Scan# 406

Delta R.T. -0.00 min

Lab File: VU028611.D

Acq: 11 Dec 2018 16:49

Instrument :

MSVOA_U

ClientSampleId :

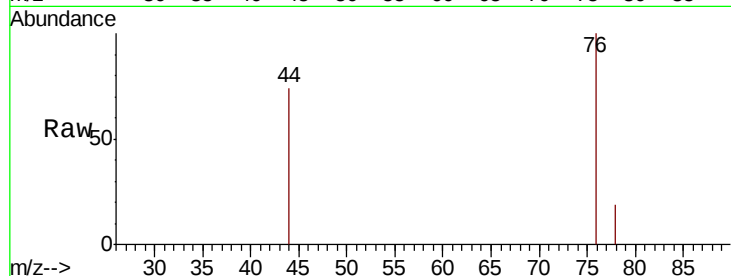
RE-123D2-20181207

Tot Ion: 76 Resp: 839

Ion Ratio Lower Upper

76 100

78 18.5 7.2 10.8#



Abundance Ion 75.90 (75.60 to 76.60): VU0

Ion 77.90 (77.60 to 78.60): VU0

2.48

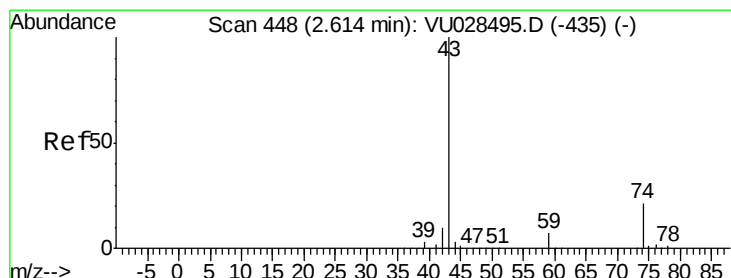
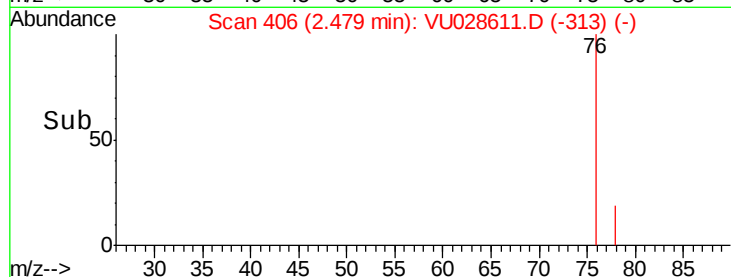
600

400

200

0

Time-->



#18

Methyl Acetate

Concen: 0.257 ug/l

RT: 2.62 min Scan# 451

Delta R.T. 0.01 min

Lab File: VU028611.D

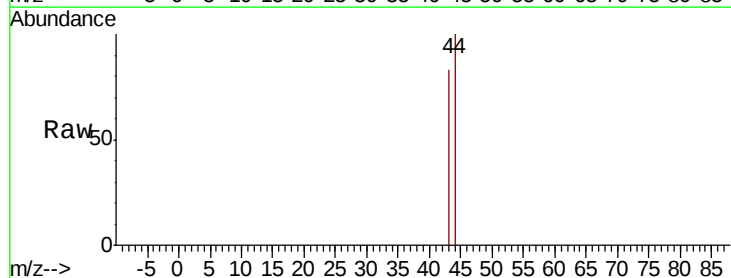
Acq: 11 Dec 2018 16:49

Tgt Ion: 43 Resp: 591

Ion Ratio Lower Upper

43 100

74 0.0 16.4 24.6#



Abundance Ion 43.00 (42.70 to 43.70): VU0

Ion 74.00 (73.70 to 74.70): VU0

2.62

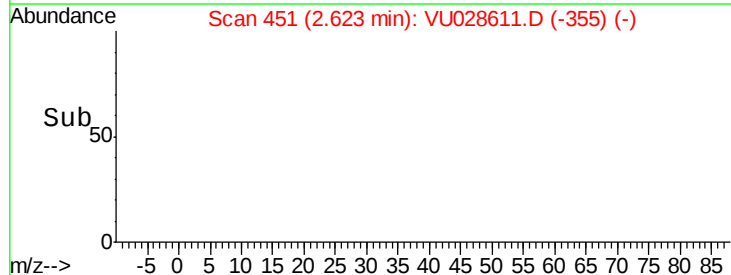
300

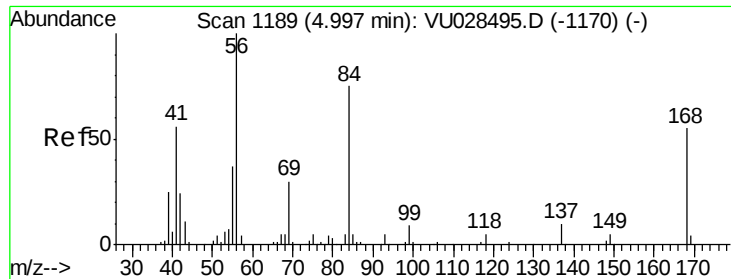
200

100

0

Time-->

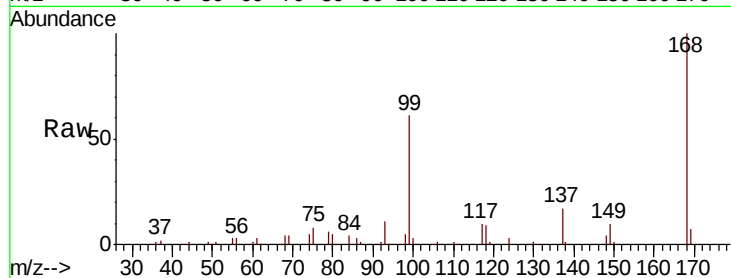




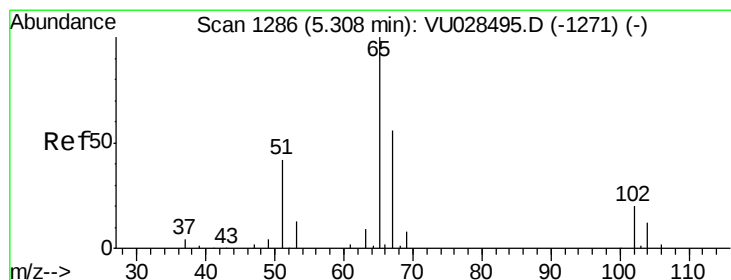
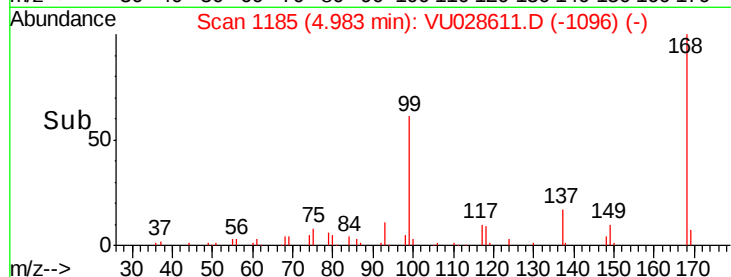
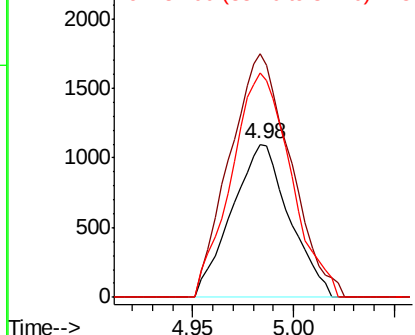
#31
Cyclohexane
Concen: Below Cal
RT: 4.98 min Scan# 1185
Delta R.T. -0.01 min
Lab File: VU028611.D
Acq: 11 Dec 2018 16:49

Instrument :
MSVOA_U
ClientSampleId :
RE-123D2-20181207

Tot Ion: 56 Resp: 2183
Ion Ratio Lower Upper
56 100
69 159.4 24.0 36.0#
84 146.5 59.7 89.5#

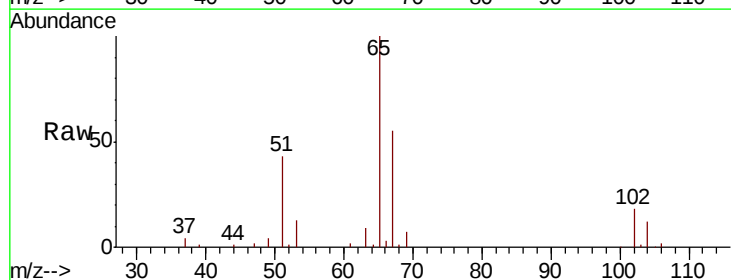


Abundance Ion 56.00 (55.70 to 56.70): VU0
Ion 69.00 (68.70 to 69.70): VU0
Ion 84.00 (83.70 to 84.70): VU0

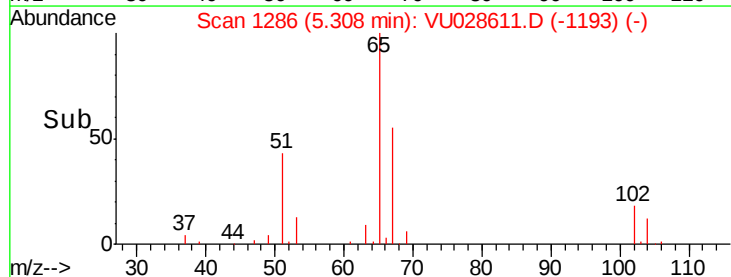
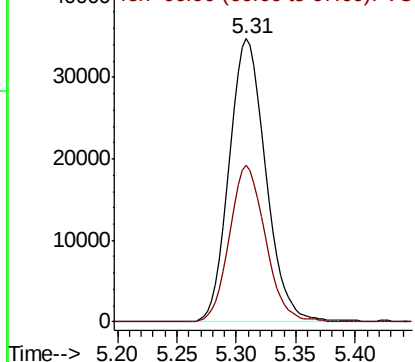


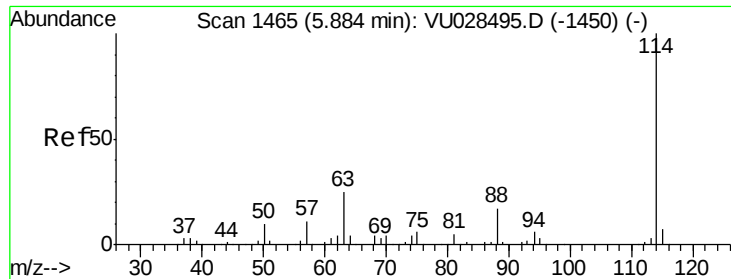
#33
1,2-Dichloroethane-d4
Concen: 54.612 ug/l
RT: 5.31 min Scan# 1286
Delta R.T. -0.00 min
Lab File: VU028611.D
Acq: 11 Dec 2018 16:49

Tgt Ion: 65 Resp: 74165
Ion Ratio Lower Upper
65 100
67 54.3 0.0 110.6



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

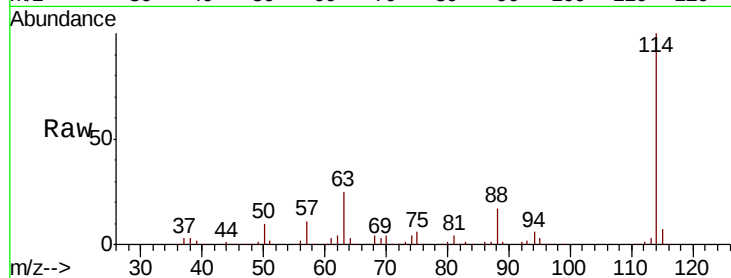




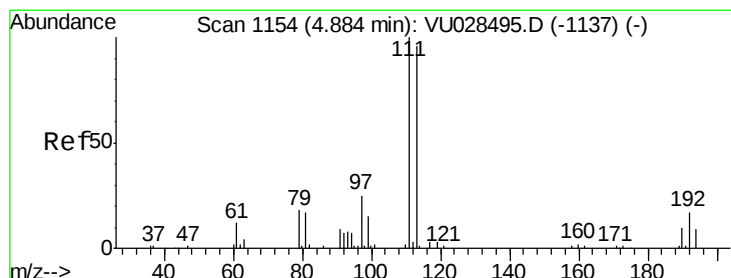
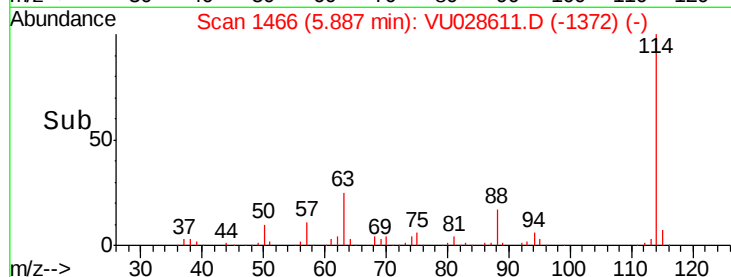
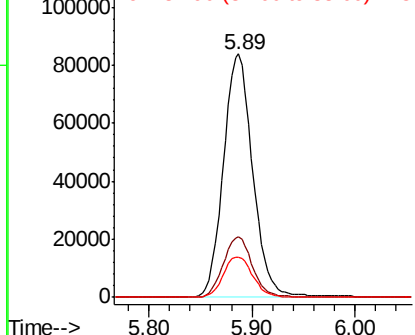
#34
1,4-Difluorobenzene
Concen: 50.000 ug/l
RT: 5.89 min Scan# 1466
Delta R.T. 0.00 min
Lab File: VU028611.D
Acq: 11 Dec 2018 16:49

Instrument :
MSVOA_U
ClientSampleId :
RE-123D2-20181207

Tot Ion:114 Resp: 166204
Ion Ratio Lower Upper
114 100
63 24.7 0.0 49.2
88 16.7 0.0 33.4

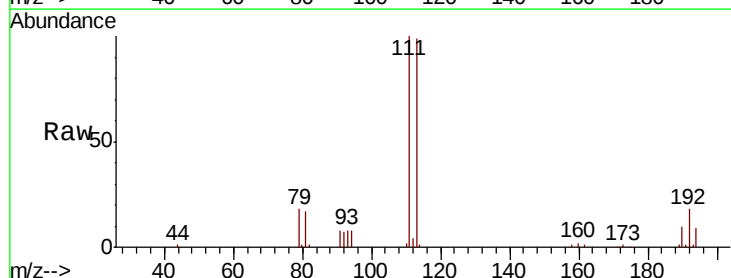


Abundance Ion 113.90 (113.60 to 114.60): V
Ion 63.00 (62.70 to 63.70): VU0
Ion 87.90 (87.60 to 88.60): VU0

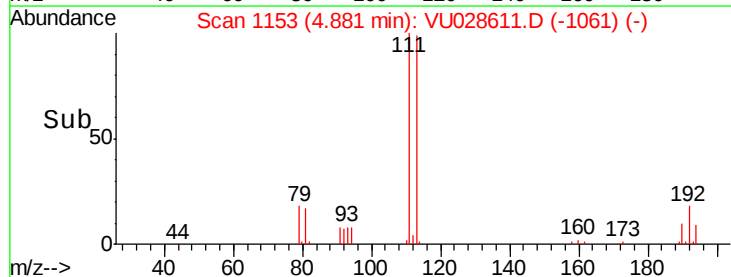
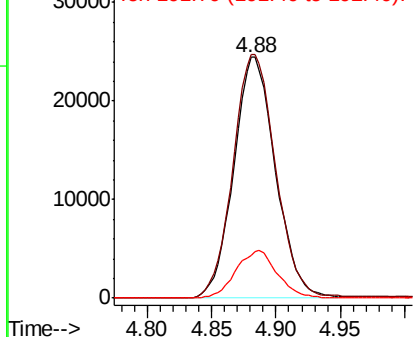


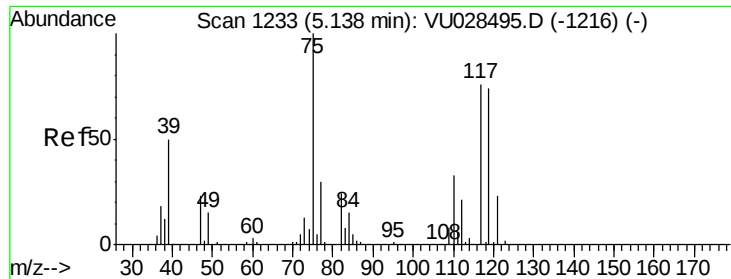
#35
Dibromofluoromethane
Concen: 52.721 ug/l
RT: 4.88 min Scan# 1153
Delta R.T. -0.00 min
Lab File: VU028611.D
Acq: 11 Dec 2018 16:49

Tgt Ion:113 Resp: 55143
Ion Ratio Lower Upper
113 100
111 103.4 83.4 125.0
192 19.6 14.8 22.2



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: 4.269 ug/l

RT: 4.98 min Scan# 1185

Delta R.T. -0.15 min

Lab File: VU028611.D

Acq: 11 Dec 2018 16:49

Instrument :

MSVOA_U

ClientSampleId :

RE-123D2-20181207

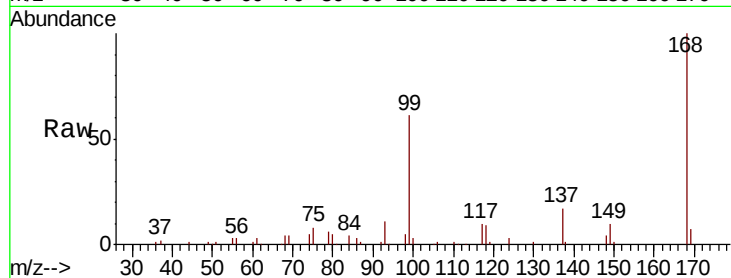
Tot Ion: 75 Resp: 7765

Ion Ratio Lower Upper

75 100

110 7.1 16.1 48.2#

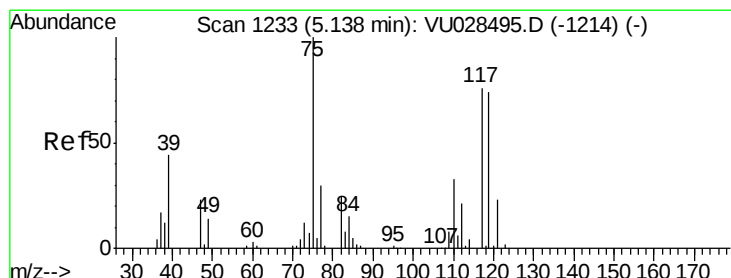
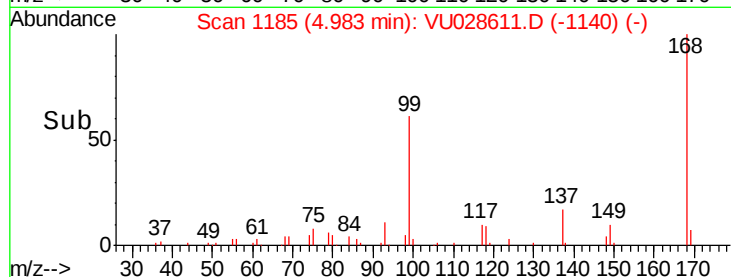
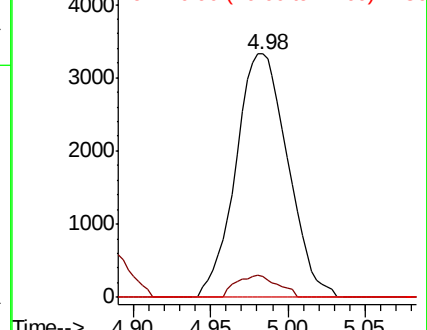
77 0.0 24.5 36.7#



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: 5.924 ug/l

RT: 4.98 min Scan# 1185

Delta R.T. -0.15 min

Lab File: VU028611.D

Acq: 11 Dec 2018 16:49

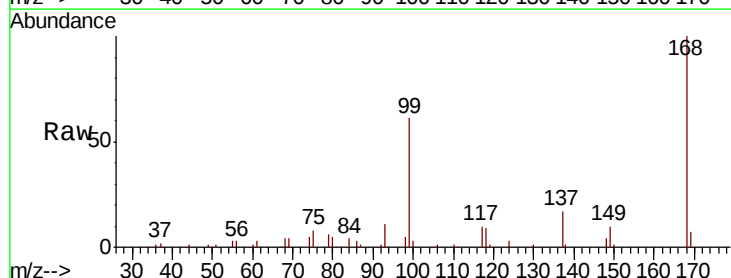
Tgt Ion: 117 Resp: 8684

Ion Ratio Lower Upper

117 100

119 5.7 77.6 116.4#

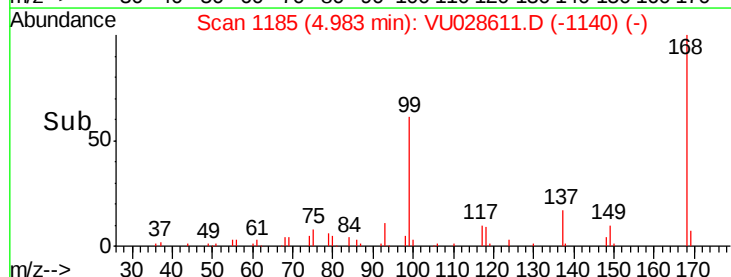
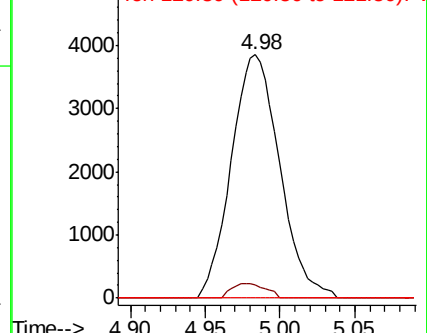
121 0.0 24.6 36.8#

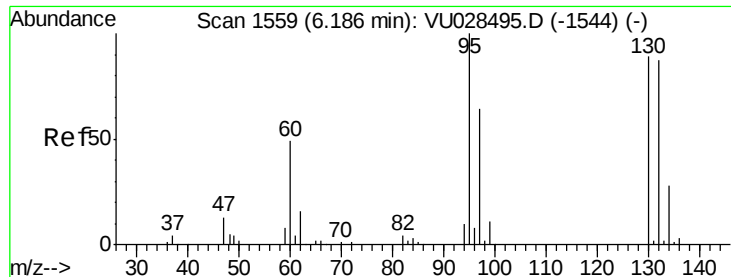


Abundance Ion 116.80 (116.50 to 117.50): V

Ion 118.80 (118.50 to 119.50): V

Ion 120.80 (120.50 to 121.50): V





#44

Trichloroethene

Concen: 1.811 ug/l

RT: 6.19 min Scan# 1561

Delta R.T. 0.01 min

Lab File: VU028611.D

Acq: 11 Dec 2018 16:49

Instrument :

MSVOA_U

ClientSampleId :

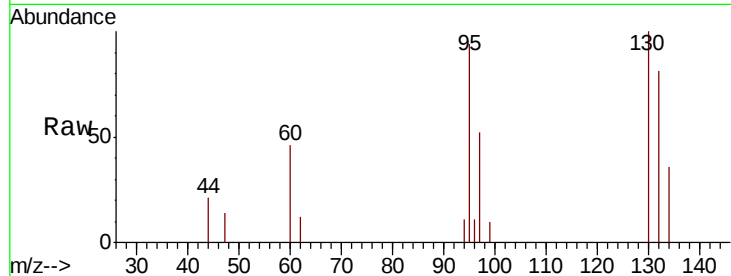
RE-123D2-20181207

Tot Ion:130 Resp: 2157

Ion Ratio Lower Upper

130 100

95 93.7 0.0 224.0



Abundance Ion 129.80 (129.50 to 130.50): V

Ion 94.90 (94.60 to 95.60): VU0

6.19

1500

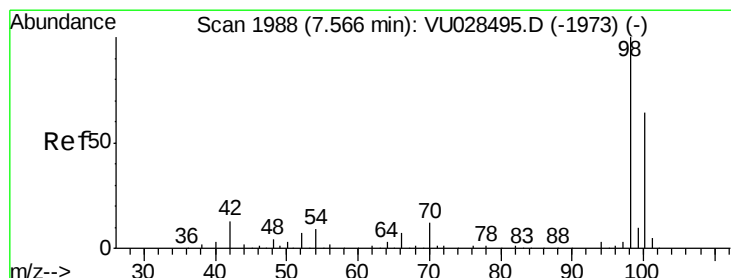
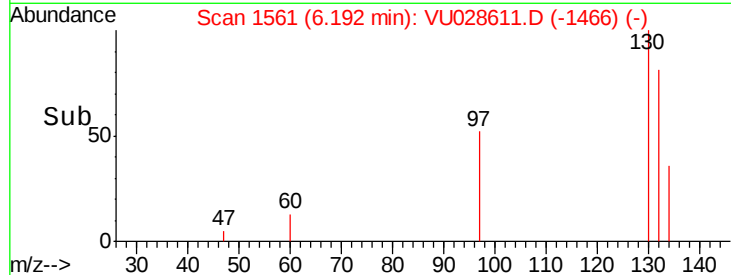
1000

500

0

6.15 6.20 6.25

Time-->



#50

Toluene-d8

Concen: 52.045 ug/l

RT: 7.57 min Scan# 1988

Delta R.T. -0.00 min

Lab File: VU028611.D

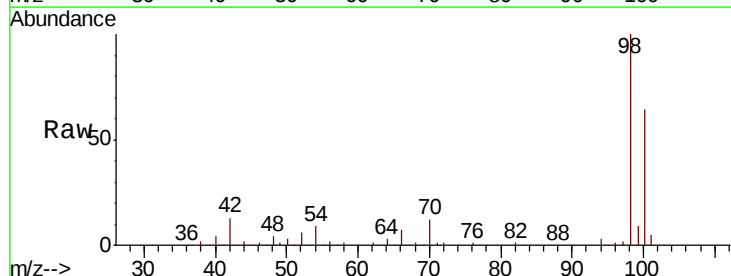
Acq: 11 Dec 2018 16:49

Tgt Ion: 98 Resp: 215337

Ion Ratio Lower Upper

98 100

100 63.0 51.0 76.6



Abundance Ion 98.00 (97.70 to 98.70): VU0

Ion 100.00 (99.70 to 100.70): VU

7.57

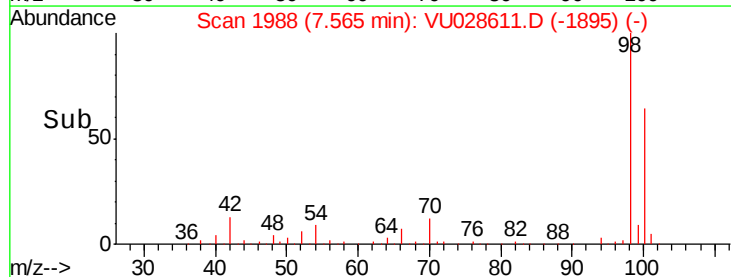
100000

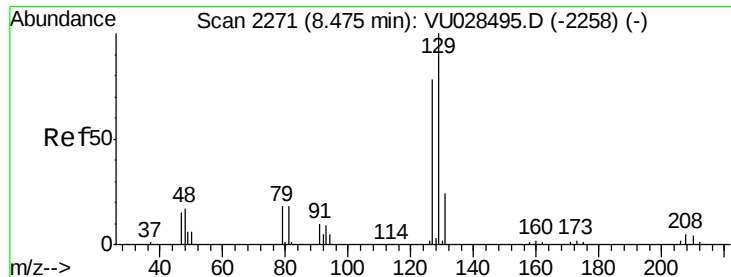
50000

0

7.50 7.60 7.70 7.80

Time-->





#60

Dibromochloromethane

Concen: 1.070 ug/l

RT: 8.23 min Scan# 2194

Delta R.T. -0.25 min

Lab File: VU028611.D

Acq: 11 Dec 2018 16:49

Instrument :

MSVOA_U

ClientSampleId :

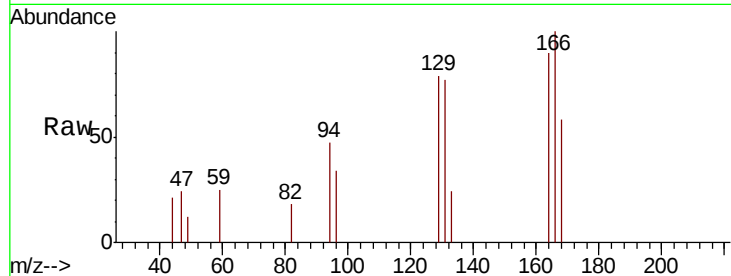
RE-123D2-20181207

Tot Ion:129 Resp: 1306

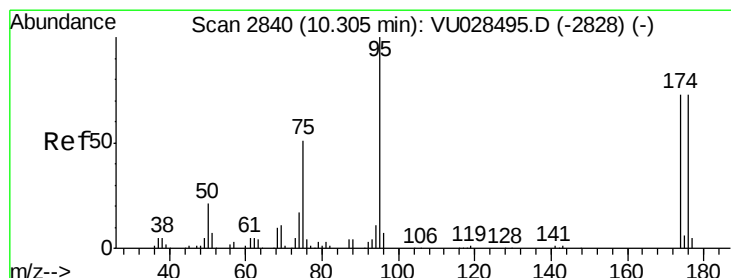
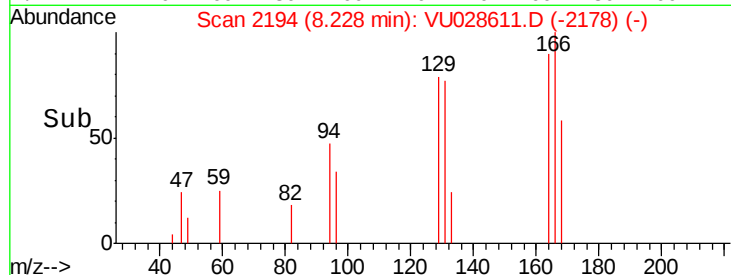
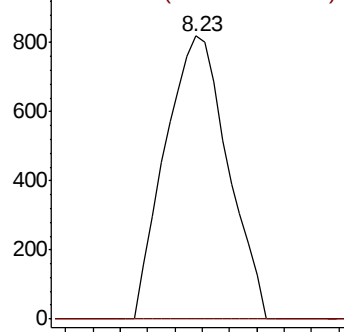
Ion Ratio Lower Upper

129 100

127 0.0 39.1 117.3#



Abundance Ion 128.80 (128.50 to 129.50): V



#62

4-Bromofluorobenzene

Concen: 45.812 ug/l

RT: 10.31 min Scan# 2841

Delta R.T. 0.00 min

Lab File: VU028611.D

Acq: 11 Dec 2018 16:49

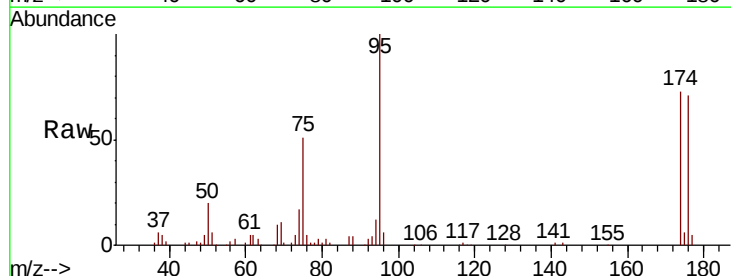
Tgt Ion: 95 Resp: 70846

Ion Ratio Lower Upper

95 100

174 73.9 0.0 150.4

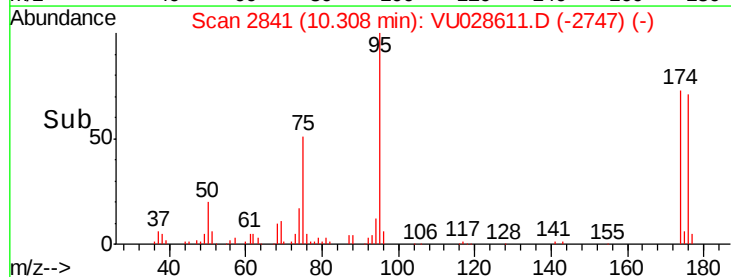
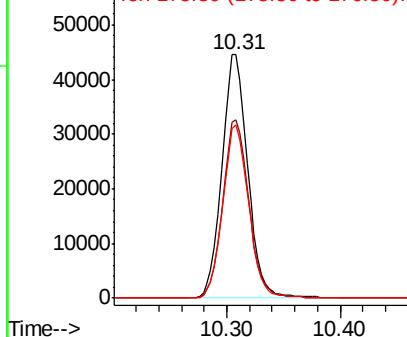
176 71.3 0.0 145.2

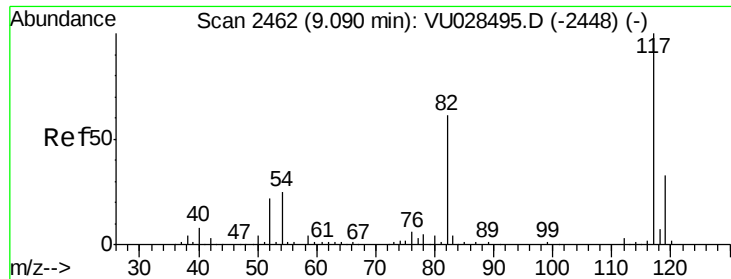


Abundance Ion 94.90 (94.60 to 95.60): VU0

Ion 173.80 (173.50 to 174.50): V

Ion 175.80 (175.50 to 176.50): V

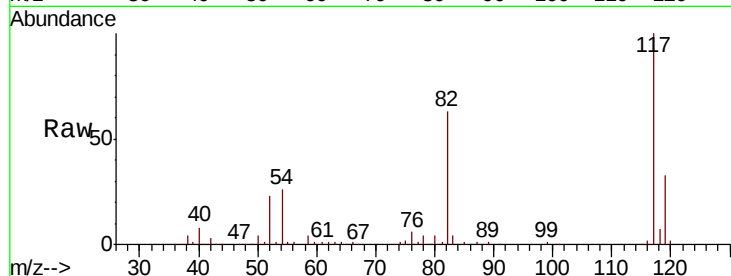




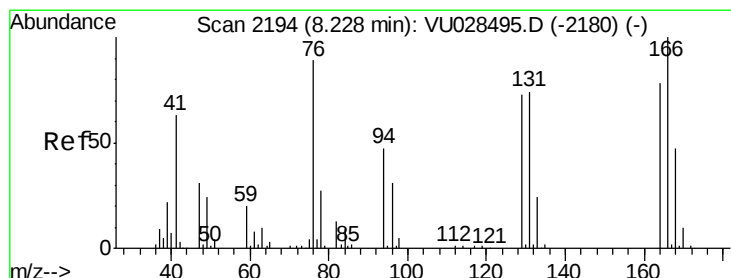
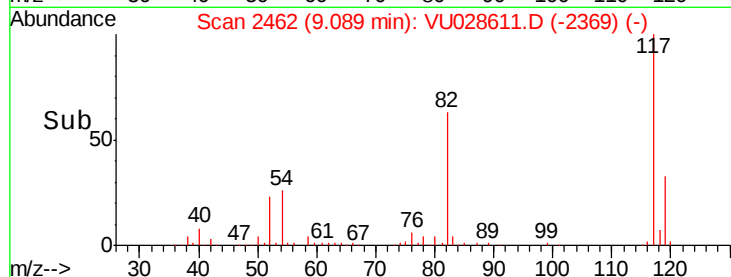
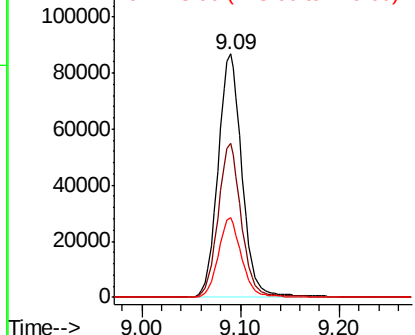
#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 9.09 min Scan# 2462
Delta R.T. -0.00 min
Lab File: VU028611.D
Acq: 11 Dec 2018 16:49

Instrument :
MSVOA_U
ClientSampleId :
RE-123D2-20181207

Tot Ion:117 Resp: 147865
Ion Ratio Lower Upper
117 100
82 63.0 48.9 73.3
119 32.6 26.2 39.4

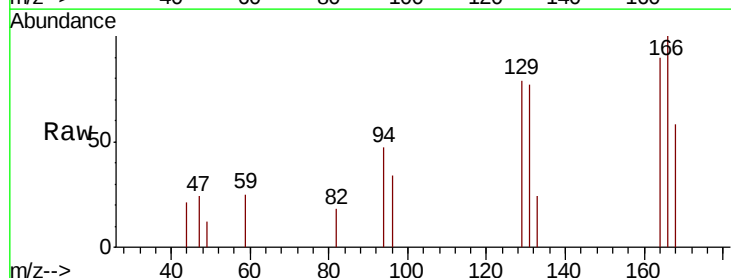


Abundance Ion 116.90 (116.60 to 117.60): V
Ion 82.00 (81.70 to 82.70): VU0
Ion 118.90 (118.60 to 119.60): V

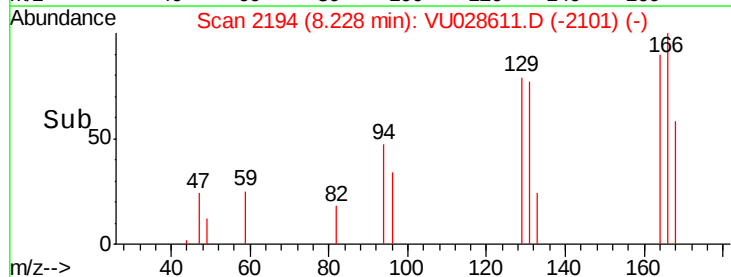
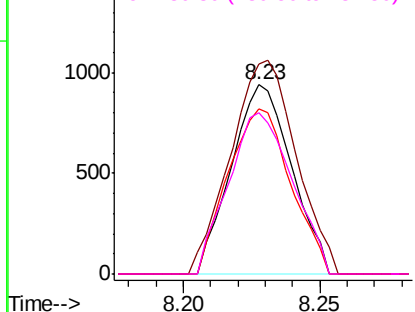


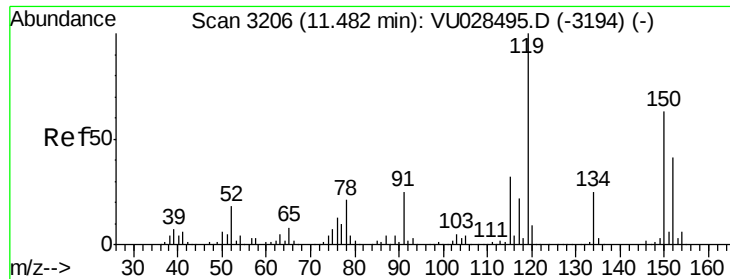
#64
Tetrachloroethene
Concen: 1.459 ug/l
RT: 8.23 min Scan# 2194
Delta R.T. -0.00 min
Lab File: VU028611.D
Acq: 11 Dec 2018 16:49

Tgt Ion:164 Resp: 1439
Ion Ratio Lower Upper
164 100
166 111.0 101.9 152.9
129 87.2 74.9 112.3
131 85.5 75.4 113.0



Abundance Ion 163.80 (163.50 to 164.50): V
Ion 165.80 (165.50 to 166.50): V
Ion 128.80 (128.50 to 129.50): V
Ion 130.80 (130.50 to 131.50): V



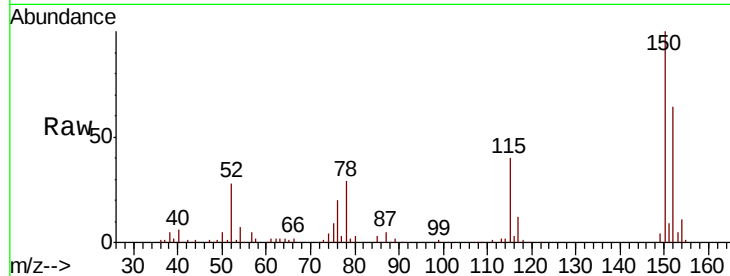


#72

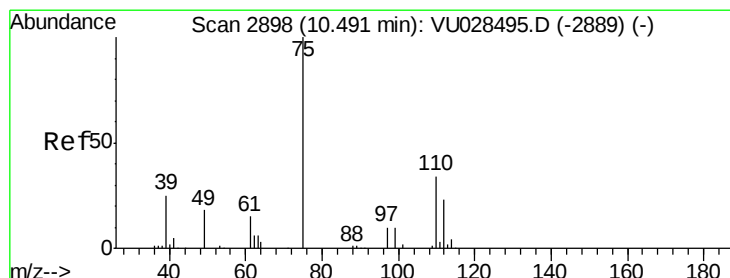
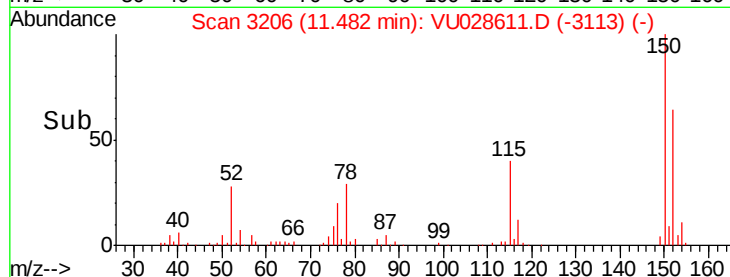
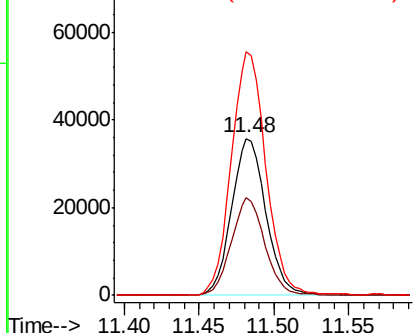
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 11.48 min Scan# 3206
Delta R.T. -0.00 min
Lab File: VU028611.D
Acq: 11 Dec 2018 16:49

Instrument :
MSVOA_U
ClientSampleId :
RE-123D2-20181207

Tot Ion:152 Resp: 57196
Ion Ratio Lower Upper
152 100
115 60.8 42.7 128.1
150 156.8 0.0 346.0



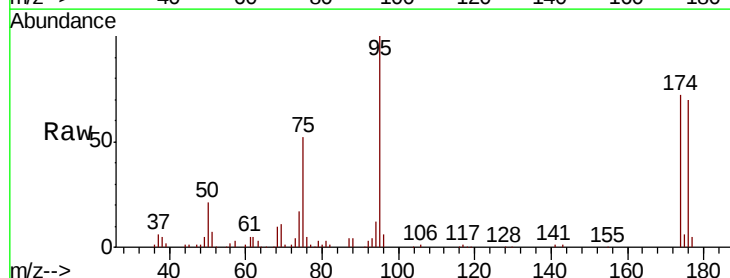
Abundance Ion 151.90 (151.60 to 152.60): V
Ion 114.90 (114.60 to 115.60): V
Ion 149.90 (149.60 to 150.60): V



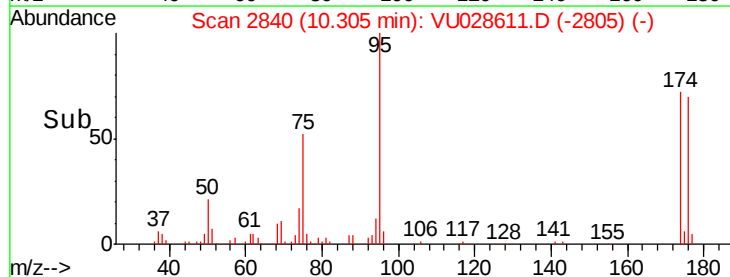
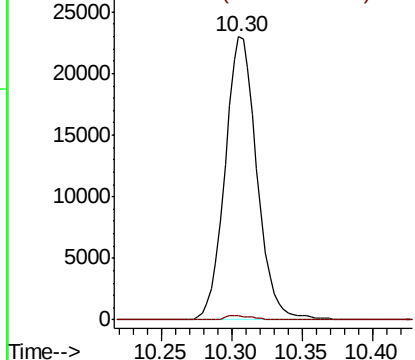
#76

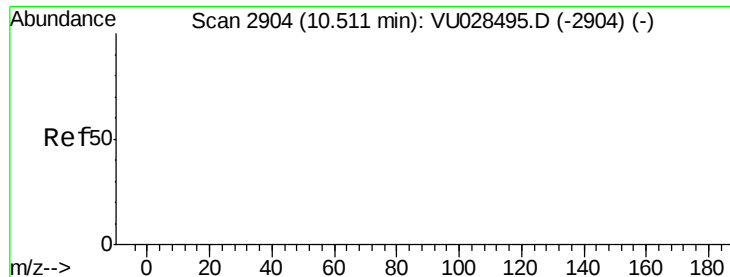
1,2,3-Trichloropropane
Concen: 24.832 ug/l
RT: 10.30 min Scan# 2840
Delta R.T. -0.19 min
Lab File: VU028611.D
Acq: 11 Dec 2018 16:49

Tgt Ion: 75 Resp: 36268
Ion Ratio Lower Upper
75 100
77 1.1 20.8 62.4#



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: 60.939 ug/l

RT: 10.30 min Scan# 2840

Delta R.T. -0.21 min

Lab File: VU028611.D

Acq: 11 Dec 2018 16:49

Instrument :

MSVOA_U

ClientSampleId :

RE-123D2-20181207

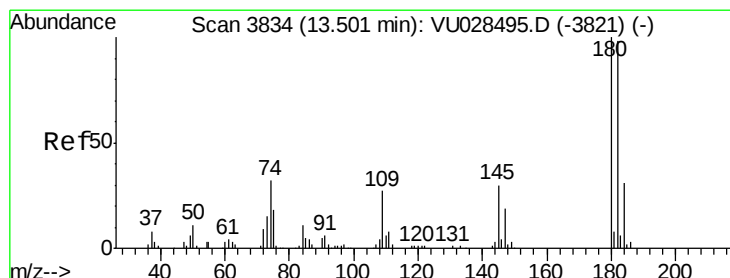
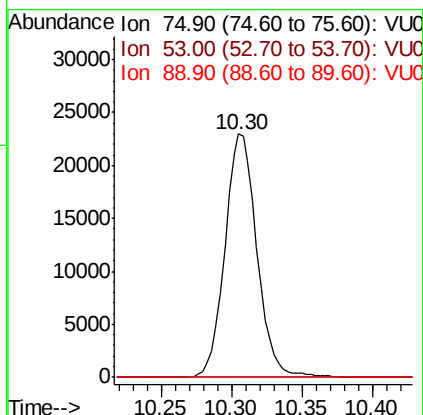
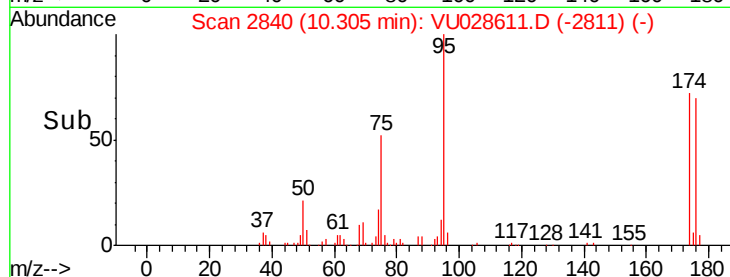
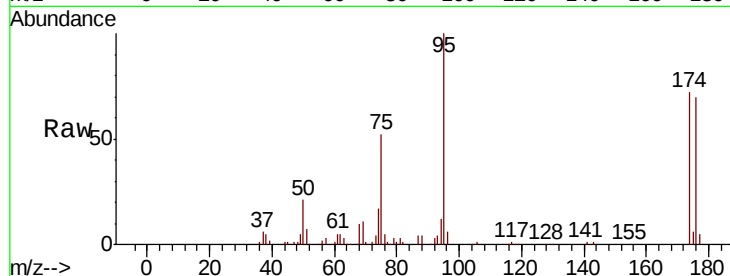
Tot Ion: 75 Resp: 36268

Ion Ratio Lower Upper

75 100

53 0.0 0.0 0.0

89 0.0 0.0 0.0



#93

1,2,4-Trichlorobenzene

Concen: 1.066 ug/l

RT: 13.52 min Scan# 3839

Delta R.T. 0.02 min

Lab File: VU028611.D

Acq: 11 Dec 2018 16:49

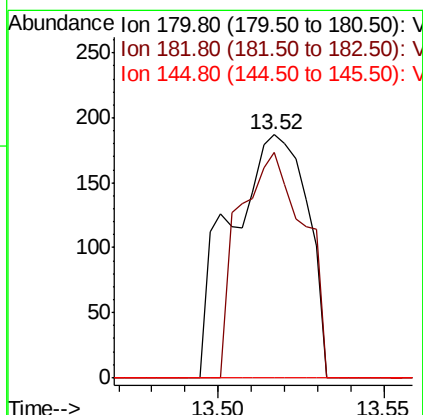
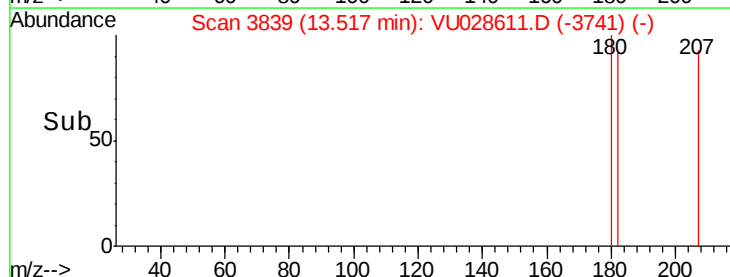
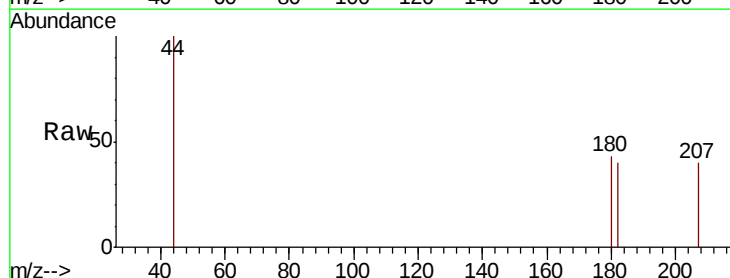
Tgt Ion: 180 Resp: 302

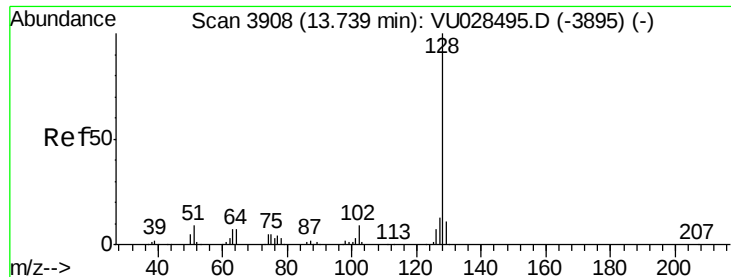
Ion Ratio Lower Upper

180 100

182 78.8 47.9 143.8

145 0.0 15.0 45.1#





#95

Naphthalene

Concen: 0.214 ug/l

RT: 13.75 min Scan# 3913

Delta R.T. 0.02 min

Lab File: VU028611.D

Acq: 11 Dec 2018 16:49

Instrument :

MSVOA_U

ClientSampleId :

RE-123D2-20181207

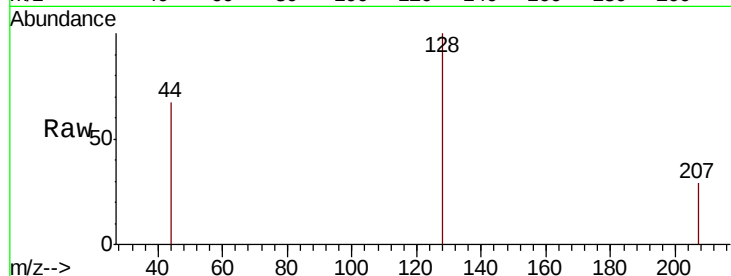
Tot Ion:128 Resp: 994

Ion Ratio Lower Upper

128 100

127 0.0 10.4 15.6#

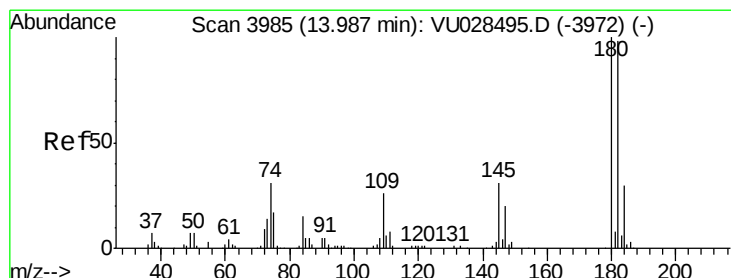
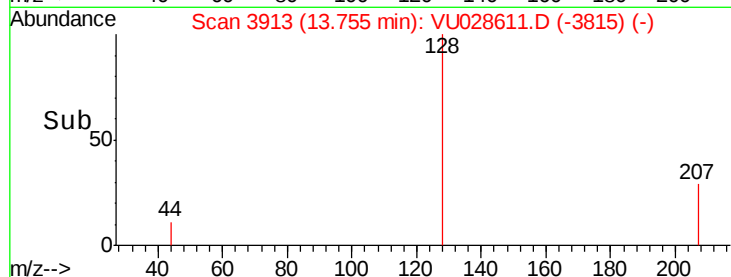
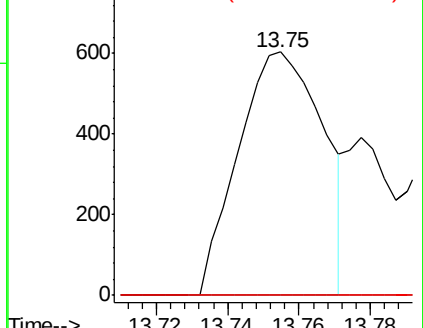
129 0.0 8.6 13.0#



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: 0.389 ug/l

RT: 14.00 min Scan# 3989

Delta R.T. 0.01 min

Lab File: VU028611.D

Acq: 11 Dec 2018 16:49

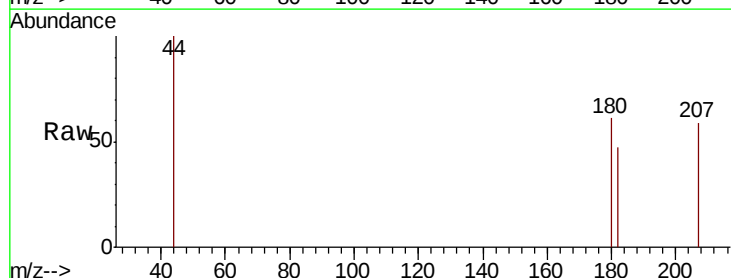
Tgt Ion:180 Resp: 322

Ion Ratio Lower Upper

180 100

182 91.9 48.2 144.6

145 0.0 15.8 47.3#



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

