

Data Path : Z:\VOASRV\HPCHEM1\MSVOA U\DATA\U121118\
 Data File : VU028551.D
 Acq On : 10 Dec 2018 15:14
 Operator : MD/SY
 Sample : J6323-02
 Misc : 5.0mL/MSVOA U/WATER
 ALS Vial : 6 Sample Multiplier: 1

Instrument :
 MSVOA_U
 ClientSampleId :
 RE-104D2-20181206

Quant Time: Dec 11 03:38:09 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	92525	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	5.89	114	171185	50.00	ug/l	0.00
63) Chlorobenzene-d5	9.09	117	161822	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	11.48	152	72450	50.00	ug/l	0.00

System Monitoring Compounds

33) 1,2-Dichloroethane-d4	5.31	65	79462	56.28	ug/l	0.00
Spiked Amount						
			Recovery	=	112.56%	
35) Dibromofluoromethane	4.88	113	57574	53.44	ug/l	0.00
Spiked Amount						
			Recovery	=	106.88%	
50) Toluene-d8	7.57	98	227629	53.41	ug/l	0.00
Spiked Amount						
			Recovery	=	106.82%	
62) 4-Bromofluorobenzene	10.30	95	81743	51.32	ug/l	0.00
Spiked Amount						
			Recovery	=	102.64%	

Target Compounds

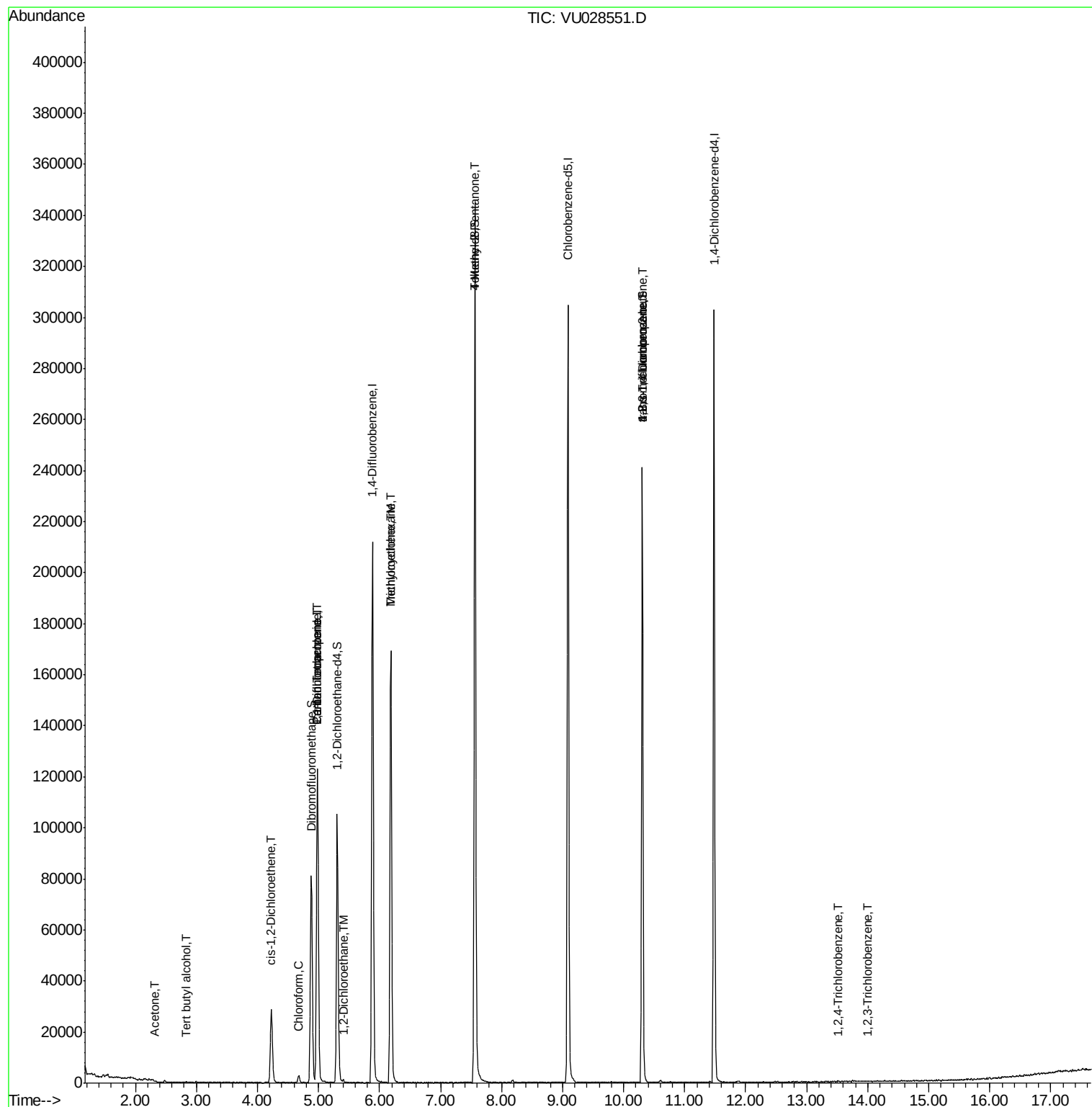
					Qvalue	
11) Tert butyl alcohol	2.82	59	311	0.989	ug/l #	73
16) Acetone	2.32	43	538	0.584	ug/l #	44
27) cis-1,2-Dichloroethene	4.23	96	15293	11.649	ug/l	89
30) Chloroform	4.68	83	2814	1.301	ug/l	87
31) Cyclohexane	4.99	56	2299	Below Cal	#	1
36) 1,1-Dichloropropene	4.98	75	8030	4.287	ug/l #	49
38) Carbon Tetrachloride	4.98	117	9604	6.361	ug/l #	15
39) Methylcyclohexane	6.18	83	659	0.288	ug/l #	1
42) 1,2-Dichloroethane	5.41	62	765	0.396	ug/l #	76
44) Trichloroethene	6.19	130	55910	45.577	ug/l	99
51) 4-Methyl-2-Pentanone	7.57	43	1156	0.479	ug/l #	1
76) 1,2,3-Trichloropropane	10.30	75	41194	22.267	ug/l #	36
81) trans-1,4-Dichloro-2-buten	10.30	75	41194	54.697	ug/l #	100
93) 1,2,4-Trichlorobenzene	13.51	180	209	0.965	ug/l #	69
96) 1,2,3-Trichlorobenzene	14.00	180	131	0.224	ug/l #	12

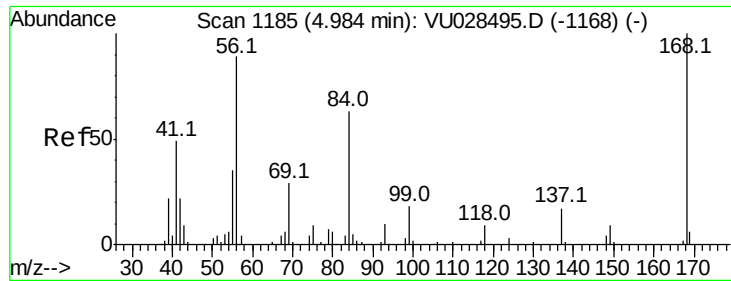
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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Quant Title : SW846 8260
QLast Update : Fri Dec 07 00:39:42 2018
Response via : Initial Calibration





#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 4.98 min Scan# 1185

Delta R.T. -0.00 min

Lab File: VU028551.D

Acq: 10 Dec 2018 15:14

Instrument :

MSVOA_U

ClientSampleId :

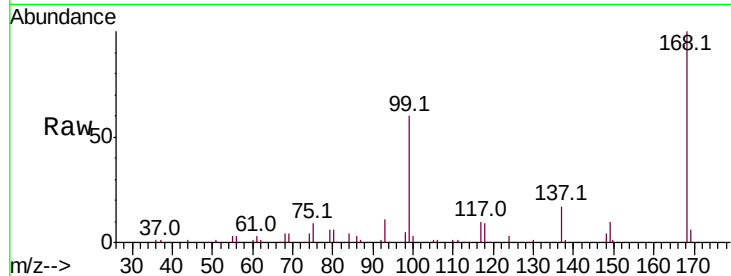
RE-104D2-20181206

Tot Ion:168 Resp: 92525

Ion Ratio Lower Upper

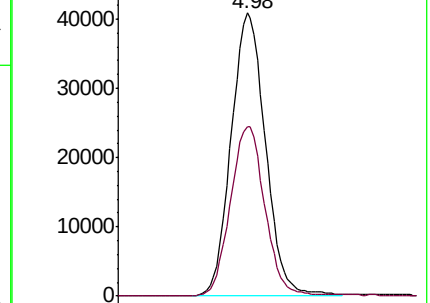
168 100

99 60.0 46.6 69.8

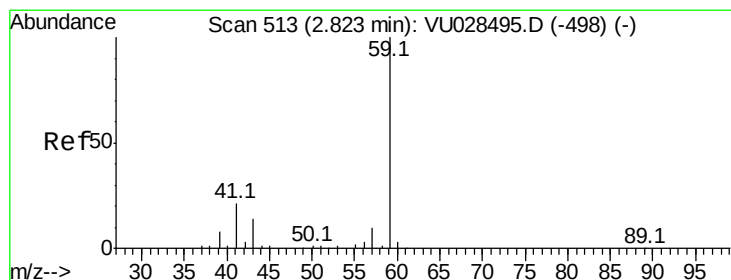
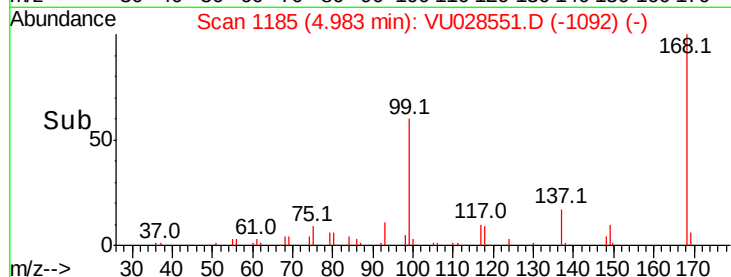


Abundance Ion 167.90 (167.60 to 168.60): VU028495.D (-1168) (-)

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



Time-->



#11

Tert butyl alcohol

Concen: 0.989 ug/l

RT: 2.82 min Scan# 511

Delta R.T. -0.01 min

Lab File: VU028551.D

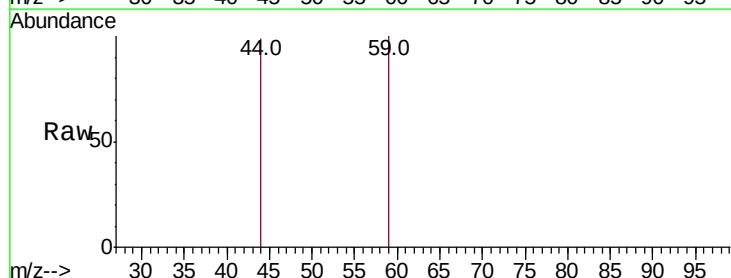
Acq: 10 Dec 2018 15:14

Tgt Ion: 59 Resp: 311

Ion Ratio Lower Upper

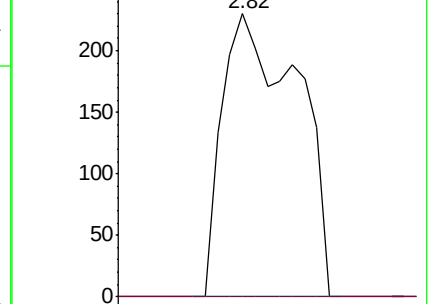
59 100

57 0.0 8.0 12.0#

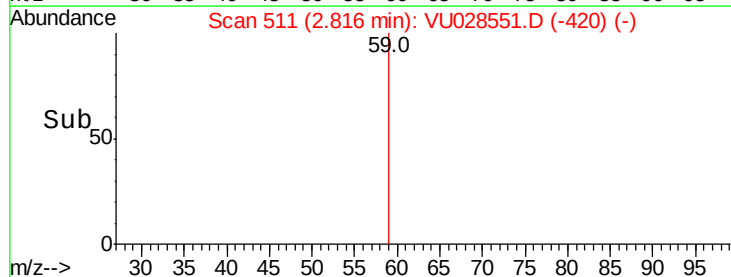


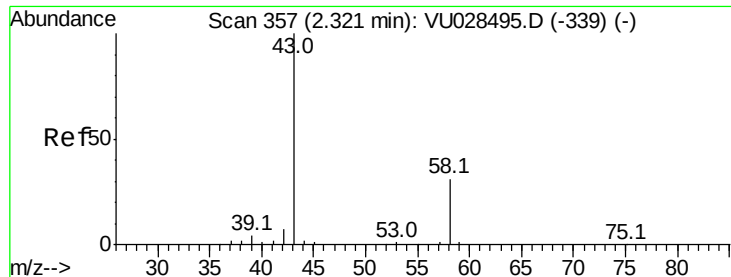
Abundance Ion 59.00 (58.70 to 59.70): VU028495.D (-498) (-)

Ion 57.00 (56.70 to 57.70): VU028495.D (-498) (-)



Time-->





#16

Acetone

Concen: 0.584 ug/l

RT: 2.32 min Scan# 358

Delta R.T. 0.00 min

Lab File: VU028551.D

Acq: 10 Dec 2018 15:14

Instrument :

MSVOA_U

ClientSampleId :

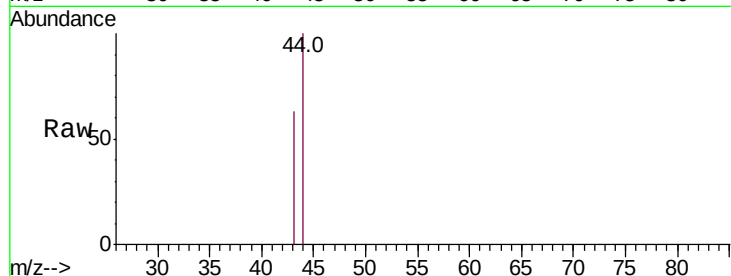
RE-104D2-20181206

Tot Ion: 43 Resp: 538

Ion Ratio Lower Upper

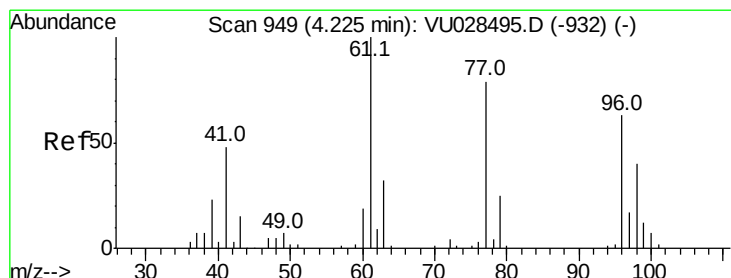
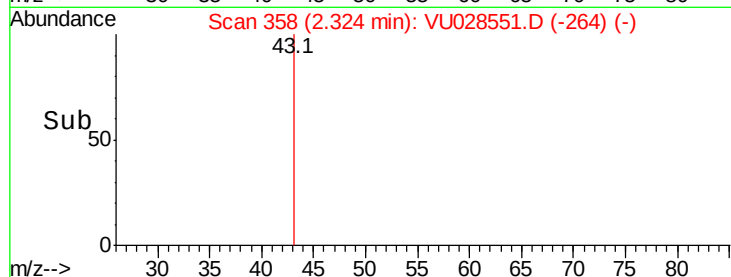
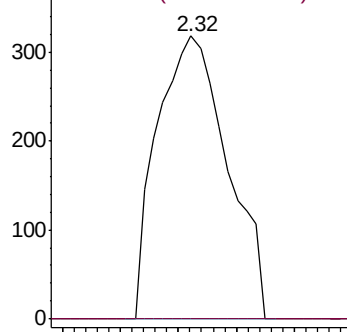
43 100

58 0.0 24.6 37.0#



Abundance Ion 43.00 (42.70 to 43.70): VU0

Ion 58.00 (57.70 to 58.70): VU0



#27

cis-1,2-Dichloroethene

Concen: 11.649 ug/l

RT: 4.23 min Scan# 950

Delta R.T. 0.00 min

Lab File: VU028551.D

Acq: 10 Dec 2018 15:14

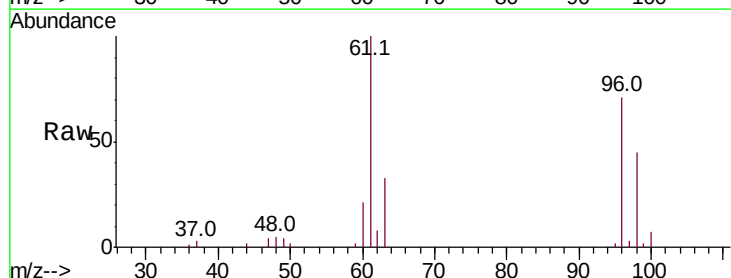
Tgt Ion: 96 Resp: 15293

Ion Ratio Lower Upper

96 100

61 146.9 0.0 332.4

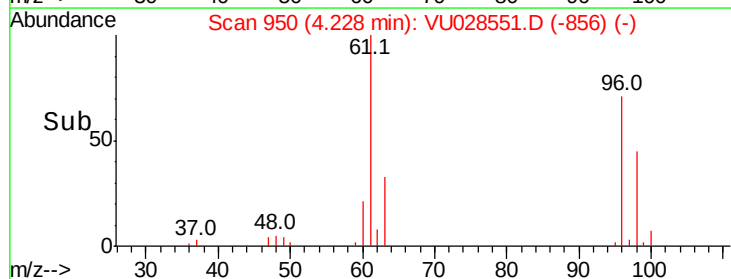
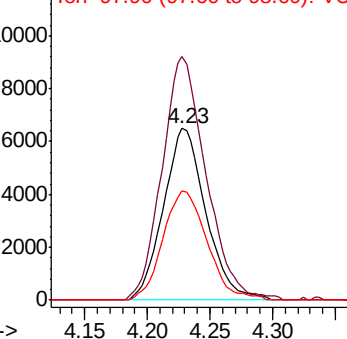
98 66.1 0.0 129.0

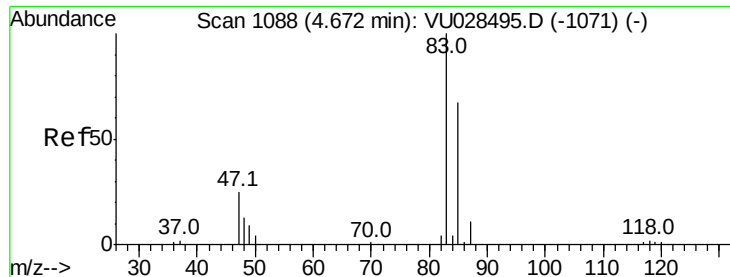


Abundance Ion 95.90 (95.60 to 96.60): VU0

Ion 60.90 (60.60 to 61.60): VU0

Ion 97.90 (97.60 to 98.60): VU0

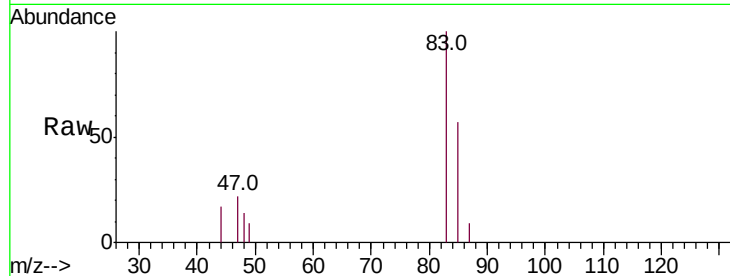




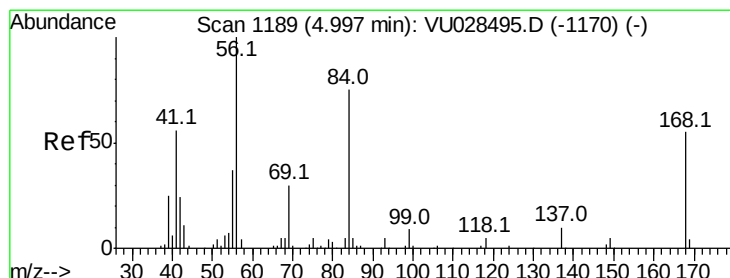
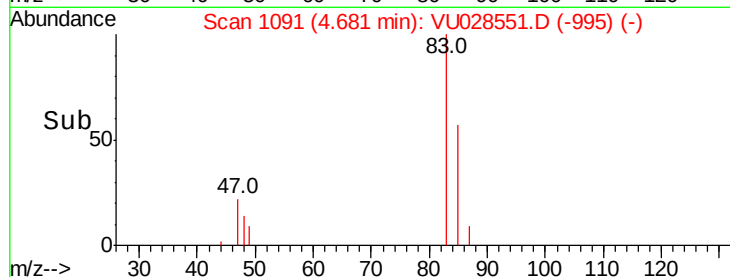
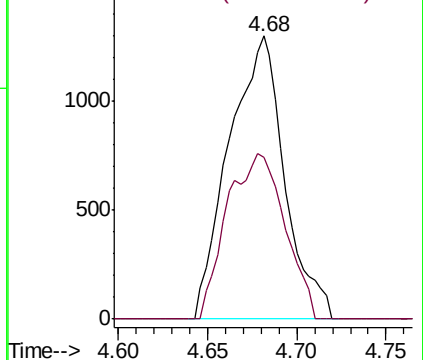
#30
Chloroform
Concen: 1.301 ug/l
RT: 4.68 min Scan# 1091
Delta R.T. 0.01 min
Lab File: VU028551.D
Acq: 10 Dec 2018 15:14

Instrument :
MSVOA_U
ClientSampleId :
RE-104D2-20181206

Tot Ion: 83 Resp: 2814
Ion Ratio Lower Upper
83 100
85 57.0 53.6 80.4

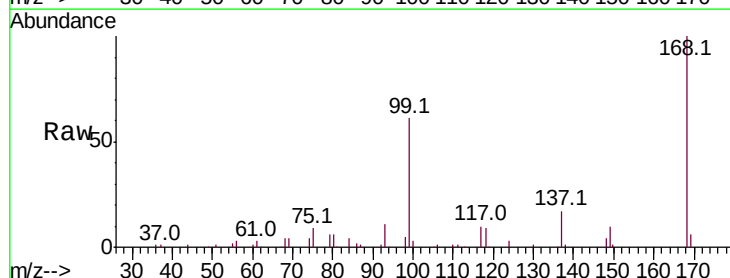


Abundance Ion 82.90 (82.60 to 83.60): VU0
Ion 84.90 (84.60 to 85.60): VU0

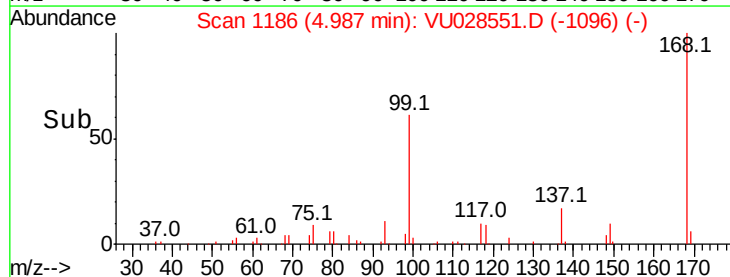
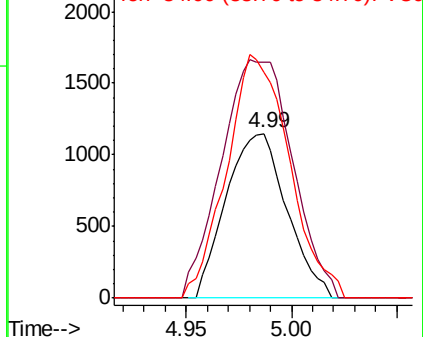


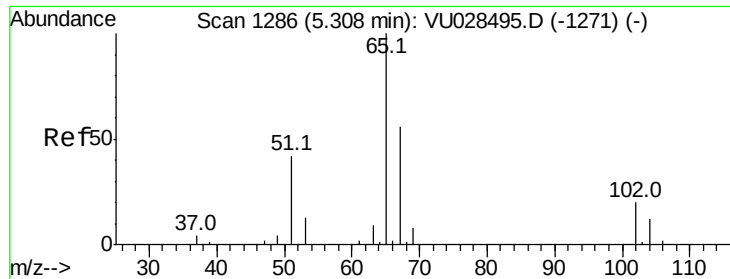
#31
Cyclohexane
Concen: Below Cal
RT: 4.99 min Scan# 1186
Delta R.T. -0.01 min
Lab File: VU028551.D
Acq: 10 Dec 2018 15:14

Tgt Ion: 56 Resp: 2299
Ion Ratio Lower Upper
56 100
69 143.2 24.0 36.0#
84 128.4 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

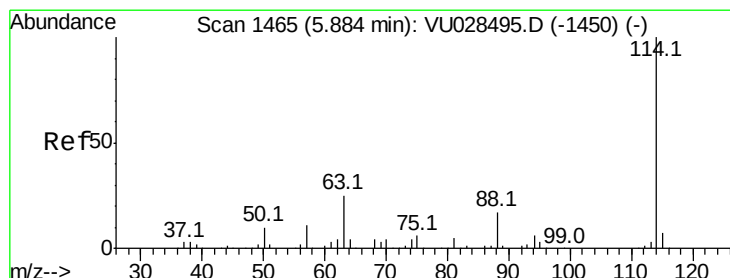
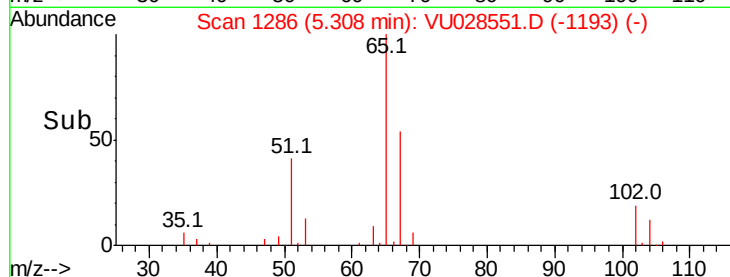
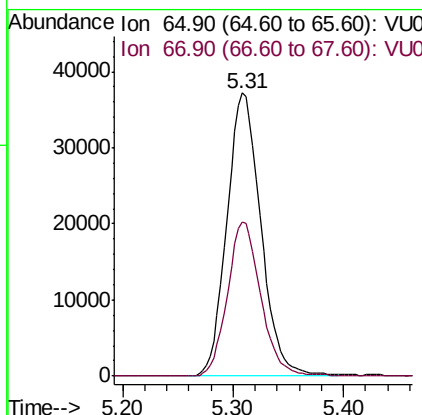
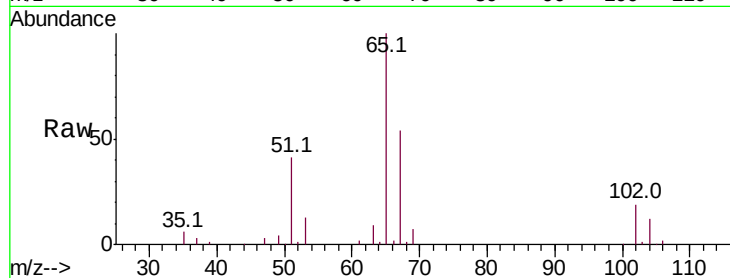




#33
 1,2-Dichloroethane-d4
 Concen: 56.277 ug/l
 RT: 5.31 min Scan# 1286
 Delta R.T. -0.00 min
 Lab File: VU028551.D
 Acq: 10 Dec 2018 15:14

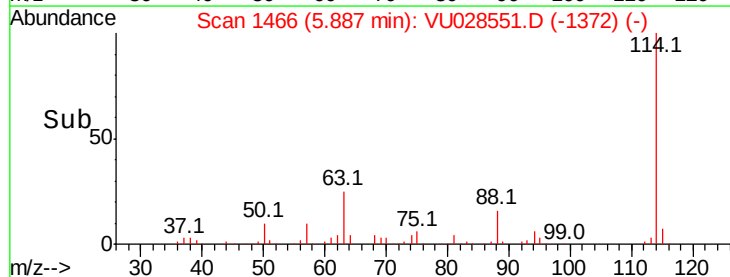
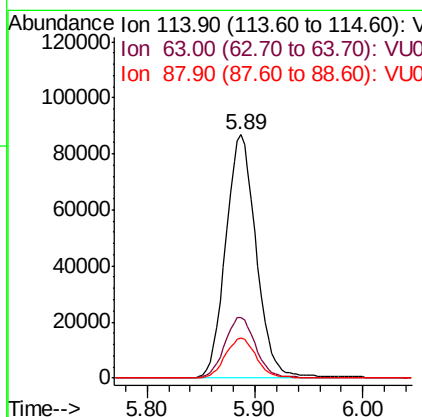
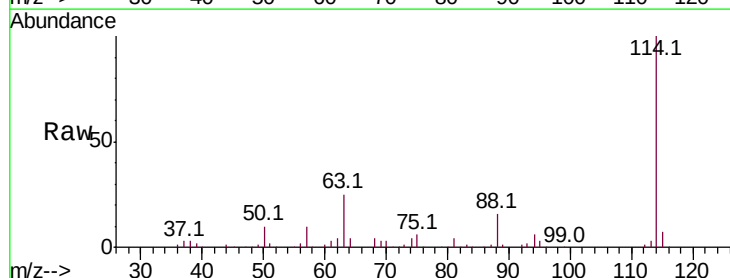
Instrument :
 MSVOA_U
 ClientSampleId :
 RE-104D2-20181206

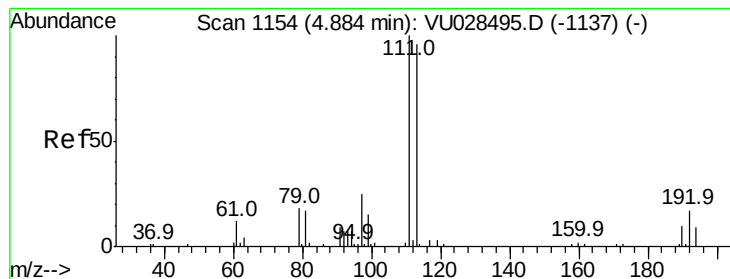
Tot Ion: 65 Resp: 79462
 Ion Ratio Lower Upper
 65 100
 67 53.4 0.0 110.6



#34
 1,4-Difluorobenzene
 Concen: 50.000 ug/l
 RT: 5.89 min Scan# 1466
 Delta R.T. 0.00 min
 Lab File: VU028551.D
 Acq: 10 Dec 2018 15:14

Tgt Ion: 114 Resp: 171185
 Ion Ratio Lower Upper
 114 100
 63 24.9 0.0 49.2
 88 16.4 0.0 33.4





#35

Dibromofluoromethane

Concen: 53.444 ug/l

RT: 4.88 min Scan# 1154

Delta R.T. -0.00 min

Lab File: VU028551.D

Acq: 10 Dec 2018 15:14

Instrument :

MSVOA_U

ClientSampleId :

RE-104D2-20181206

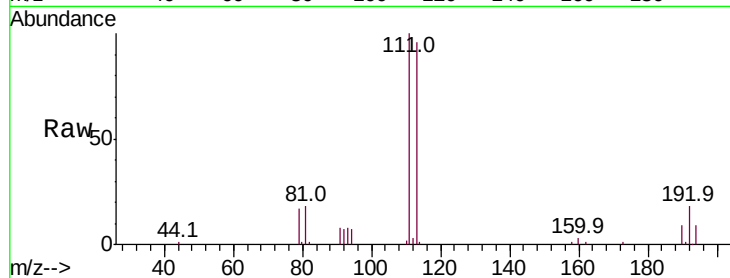
Tot Ion:113 Resp: 57574

Ion Ratio Lower Upper

113 100

111 103.5 83.4 125.0

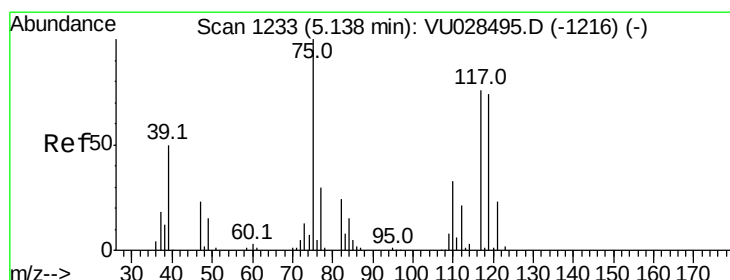
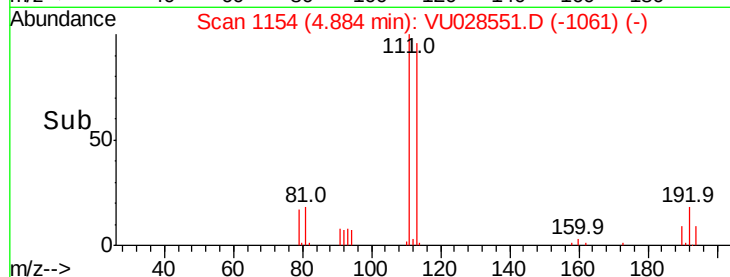
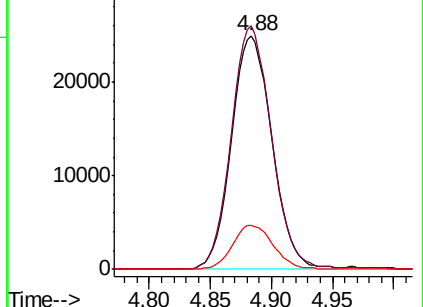
192 18.9 14.8 22.2



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: 4.287 ug/l

RT: 4.98 min Scan# 1184

Delta R.T. -0.16 min

Lab File: VU028551.D

Acq: 10 Dec 2018 15:14

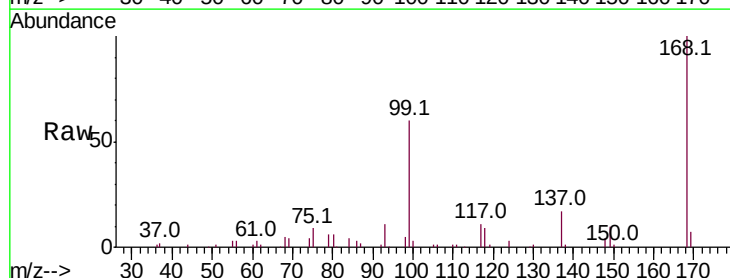
Tgt Ion: 75 Resp: 8030

Ion Ratio Lower Upper

75 100

110 6.4 16.1 48.2#

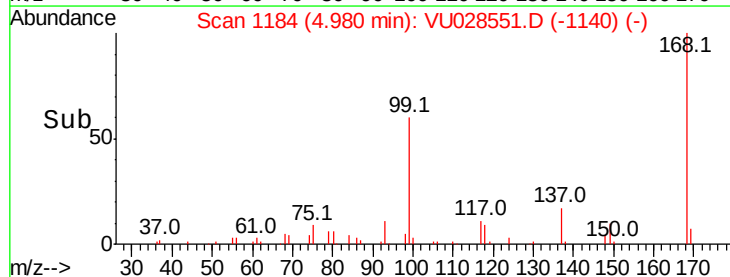
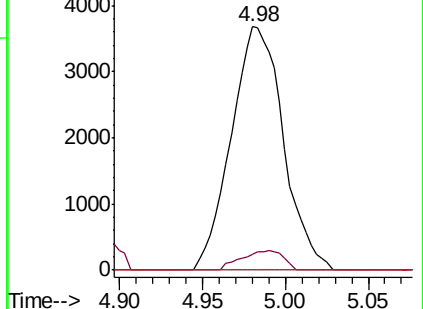
77 0.0 24.5 36.7#

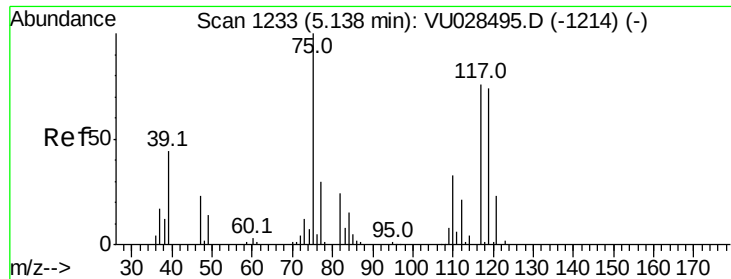


Abundance Ion 74.90 (74.60 to 75.60): VU0

Ion 109.90 (109.60 to 110.60): V

Ion 76.90 (76.60 to 77.60): VU0





#38

Carbon Tetrachloride

Concen: 6.361 ug/l

RT: 4.98 min Scan# 1184

Delta R.T. -0.16 min

Lab File: VU028551.D

Acq: 10 Dec 2018 15:14

Instrument :

MSVOA_U

ClientSampleId :

RE-104D2-20181206

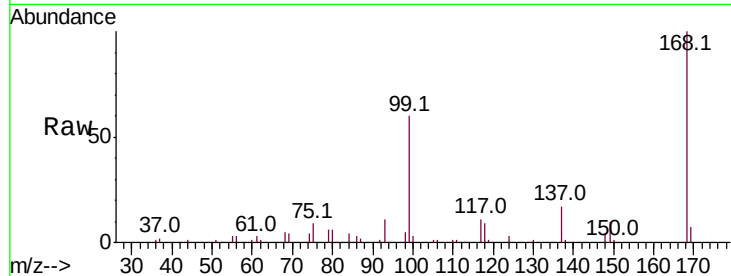
Tot Ion:117 Resp: 9604

Ion Ratio Lower Upper

117 100

119 4.9 77.6 116.4#

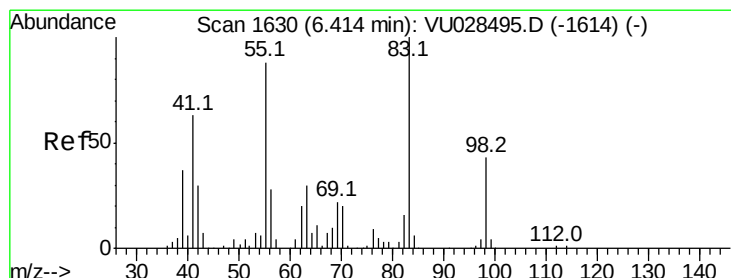
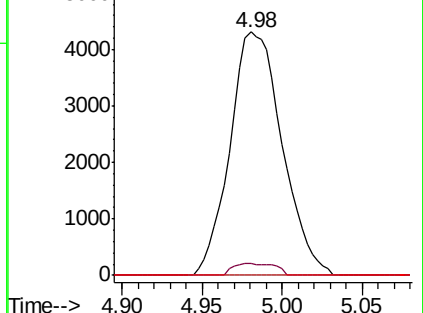
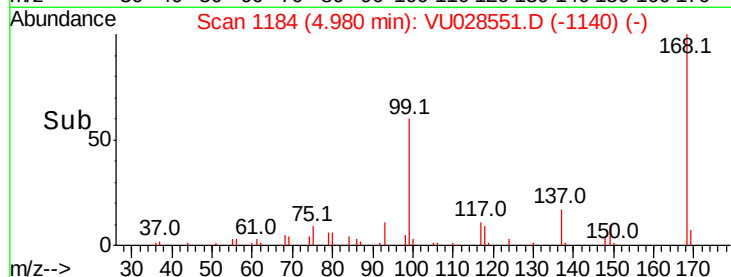
121 0.0 24.6 36.8#



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



#39

Methylcyclohexane

Concen: 0.288 ug/l

RT: 6.18 min Scan# 1558

Delta R.T. -0.23 min

Lab File: VU028551.D

Acq: 10 Dec 2018 15:14

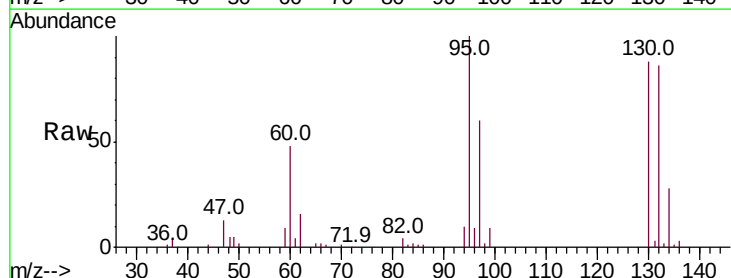
Tgt Ion: 83 Resp: 659

Ion Ratio Lower Upper

83 100

55 0.0 70.2 105.2#

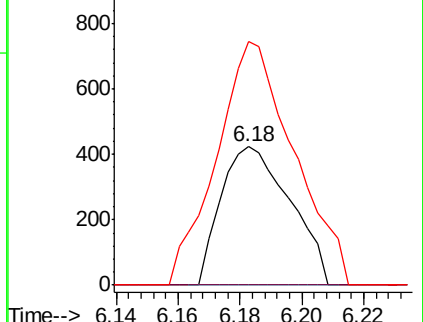
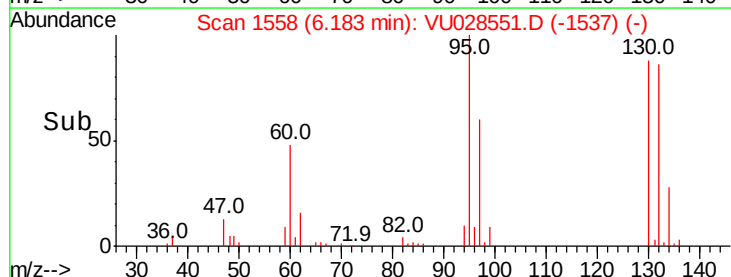
98 142.1 34.2 51.4#

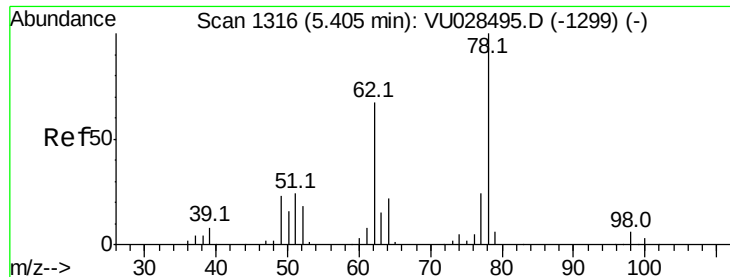


Abundance Ion 83.00 (82.70 to 83.70): VU0

Ion 55.00 (54.70 to 55.70): VU0

Ion 98.00 (97.70 to 98.70): VU0

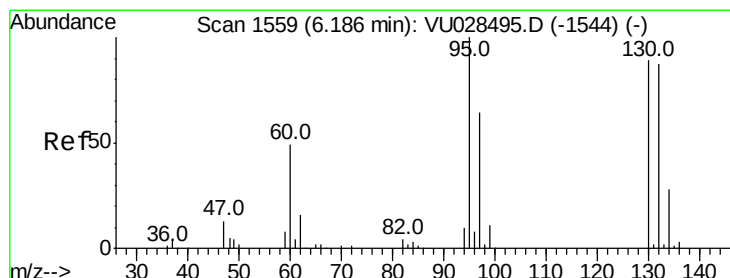
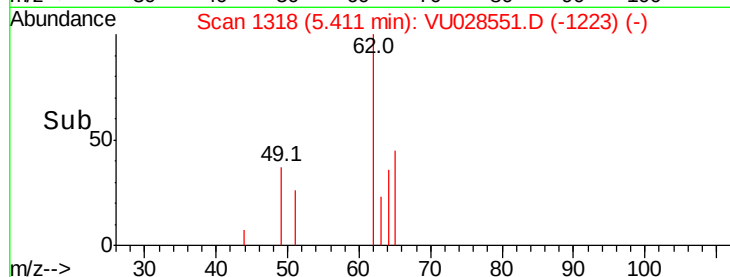
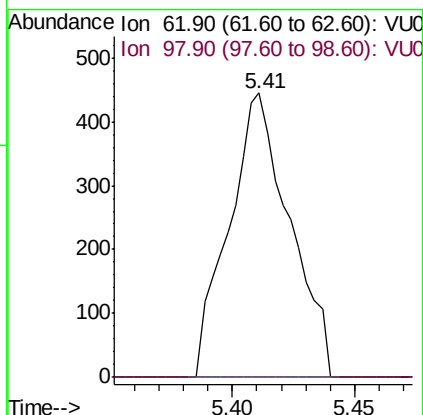
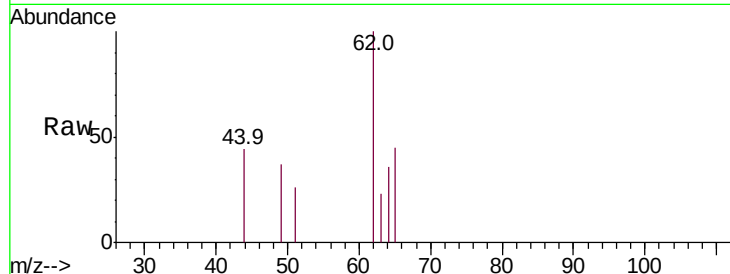




#42
 1,2-Dichloroethane
 Concen: 0.396 ug/l
 RT: 5.41 min Scan# 1318
 Delta R.T. 0.01 min
 Lab File: VU028551.D
 Acq: 10 Dec 2018 15:14

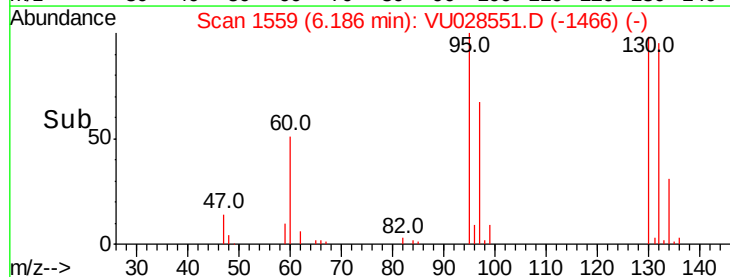
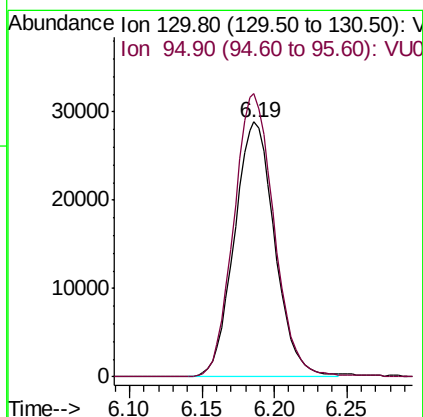
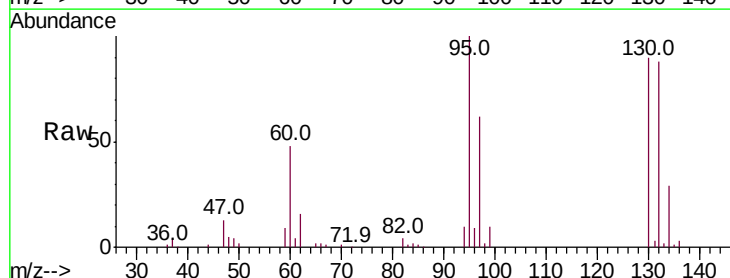
Instrument :
 MSVOA_U
 ClientSampleId :
 RE-104D2-20181206

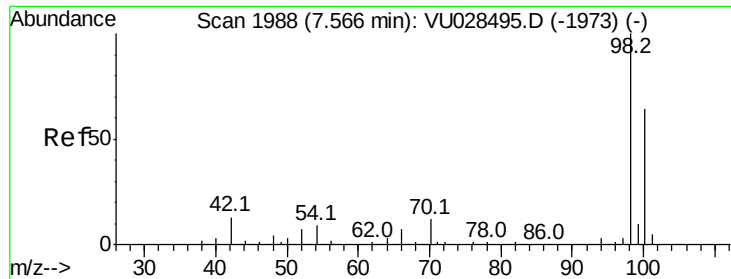
Tot Ion: 62 Resp: 765
 Ion Ratio Lower Upper
 62 100
 98 0.0 0.0 17.2



#44
 Trichloroethene
 Concen: 45.577 ug/l
 RT: 6.19 min Scan# 1559
 Delta R.T. -0.00 min
 Lab File: VU028551.D
 Acq: 10 Dec 2018 15:14

Tgt Ion:130 Resp: 55910
 Ion Ratio Lower Upper
 130 100
 95 111.1 0.0 224.0





#50

Toluene-d8

Concen: 53.415 ug/l

RT: 7.57 min Scan# 1988

Delta R.T. -0.00 min

Lab File: VU028551.D

Acq: 10 Dec 2018 15:14

Instrument :

MSVOA_U

ClientSampleId :

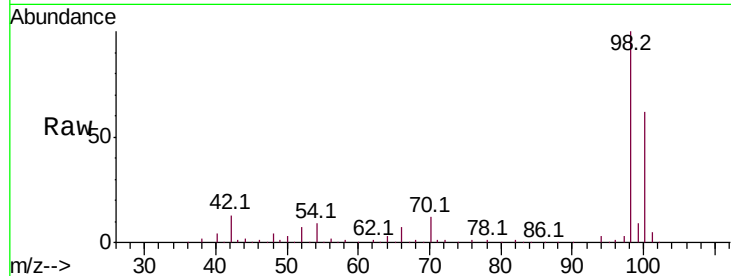
RE-104D2-20181206

Tot Ion: 98 Resp: 227629

Ion Ratio Lower Upper

98 100

100 63.0 51.0 76.6



Abundance Ion 98.00 (97.70 to 98.70): VU028495.D (-1973) (-)

Ion 100.00 (99.70 to 100.70): VU028495.D (-1973) (-)

7.57

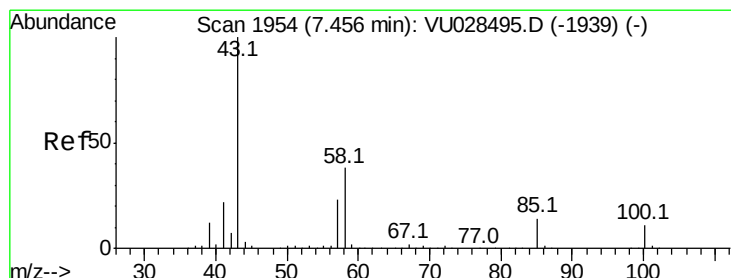
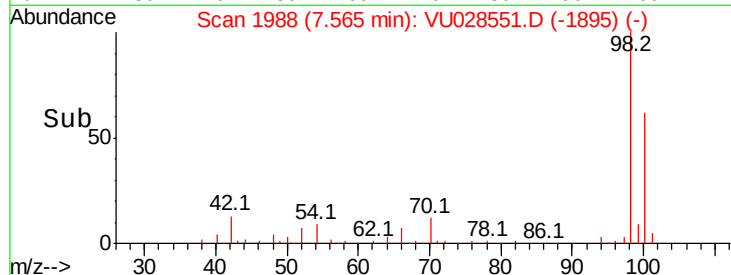
150000

100000

50000

0

Time-->



#51

4-Methyl-2-Pentanone

Concen: 0.479 ug/l

RT: 7.57 min Scan# 1988

Delta R.T. 0.11 min

Lab File: VU028551.D

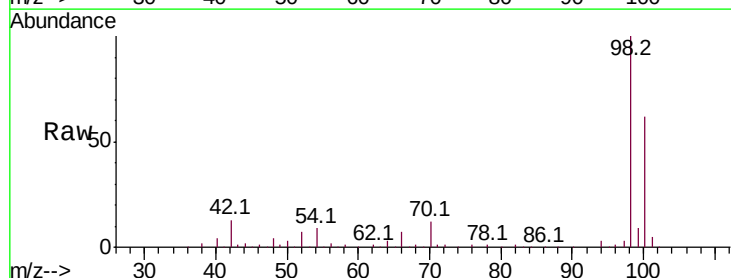
Acq: 10 Dec 2018 15:14

Tgt Ion: 43 Resp: 1156

Ion Ratio Lower Upper

43 100

58 176.1 30.2 45.2#



Abundance Ion 43.00 (42.70 to 43.70): VU028495.D (-1939) (-)

Ion 58.00 (57.70 to 58.70): VU028495.D (-1939) (-)

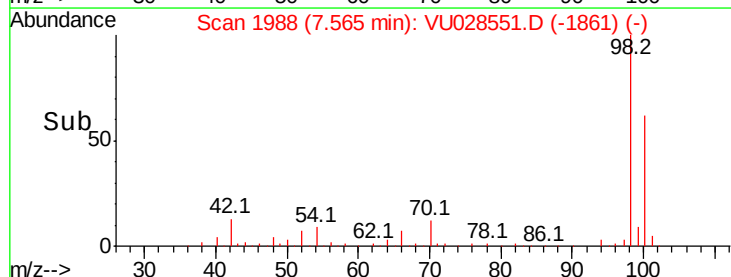
1500

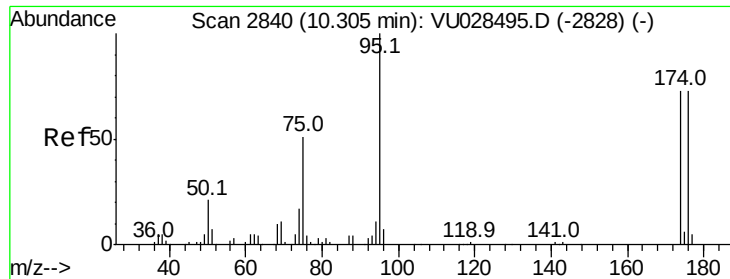
1000

500

0

Time-->

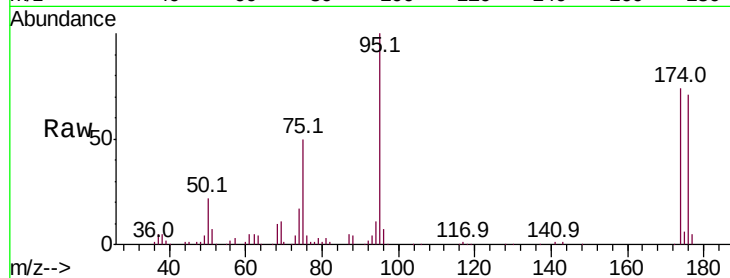




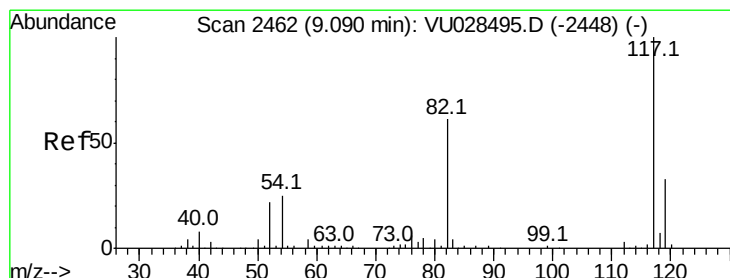
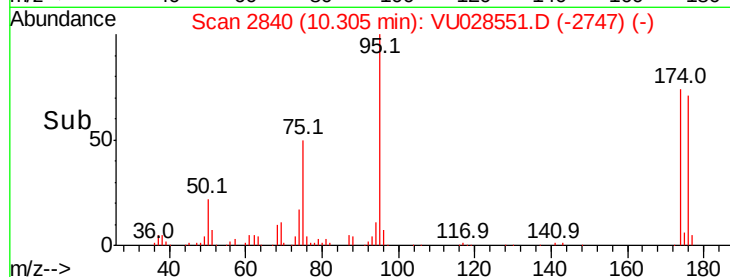
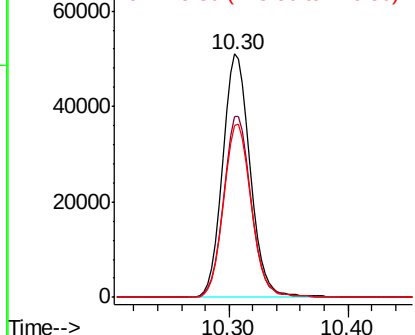
#62
 4-Bromofluorobenzene
 Concen: 51.320 ug/l
 RT: 10.30 min Scan# 2840
 Delta R.T. -0.00 min
 Lab File: VU028551.D
 Acq: 10 Dec 2018 15:14

Instrument :
 MSVOA_U
 ClientSampleId :
 RE-104D2-20181206

Tot Ion: 95 Resp: 81743
 Ion Ratio Lower Upper
 95 100
 174 74.6 0.0 150.4
 176 71.7 0.0 145.2

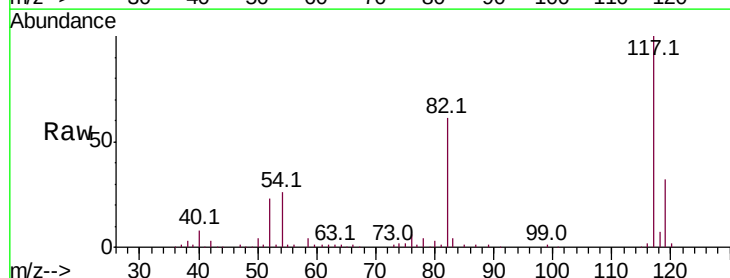


Abundance Ion 94.90 (94.60 to 95.60): VU028495.D (-2828) (-)
 Ion 173.80 (173.50 to 174.50): VU028495.D (-2828) (-)
 Ion 175.80 (175.50 to 176.50): VU028495.D (-2828) (-)

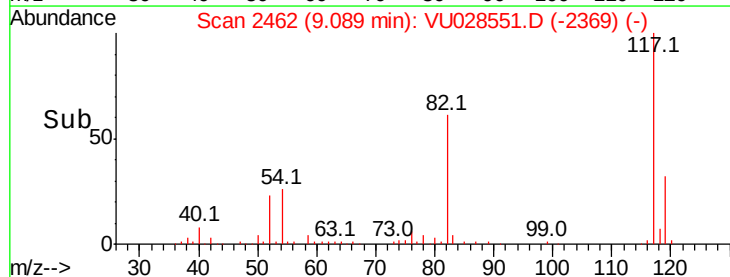
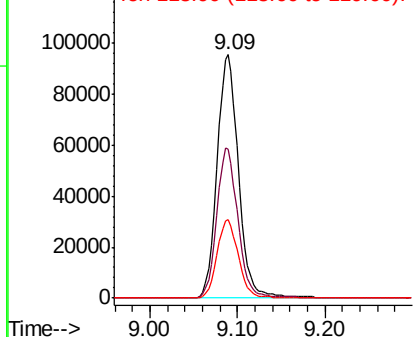


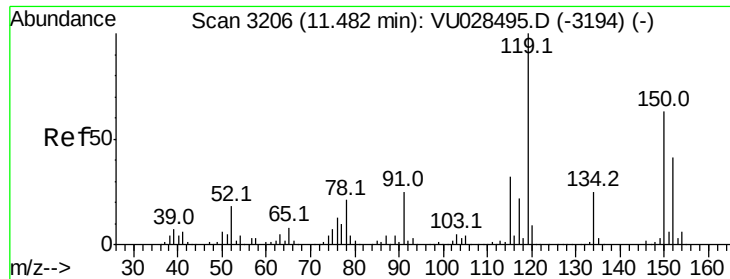
#63
 Chlorobenzene-d5
 Concen: 50.000 ug/l
 RT: 9.09 min Scan# 2462
 Delta R.T. -0.00 min
 Lab File: VU028551.D
 Acq: 10 Dec 2018 15:14

Tgt Ion: 117 Resp: 161822
 Ion Ratio Lower Upper
 117 100
 82 61.1 48.9 73.3
 119 32.3 26.2 39.4



Abundance Ion 116.90 (116.60 to 117.60): VU028495.D (-2448) (-)
 Ion 82.00 (81.70 to 82.70): VU028495.D (-2448) (-)
 Ion 118.90 (118.60 to 119.60): VU028495.D (-2448) (-)

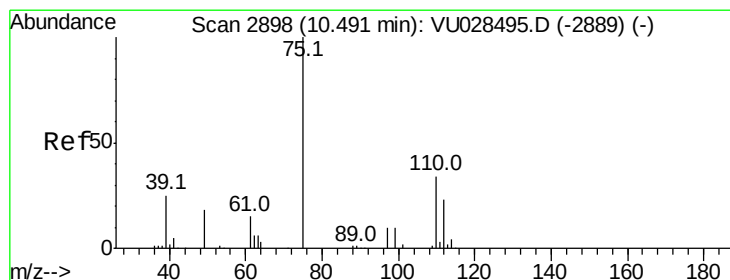
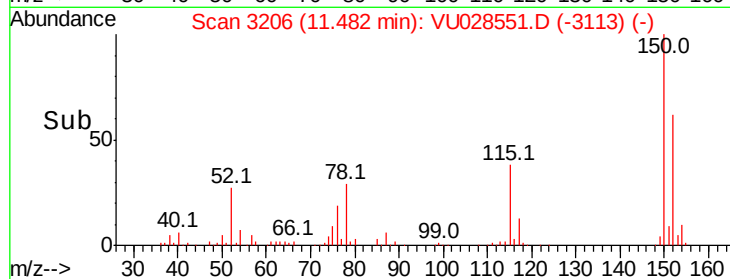
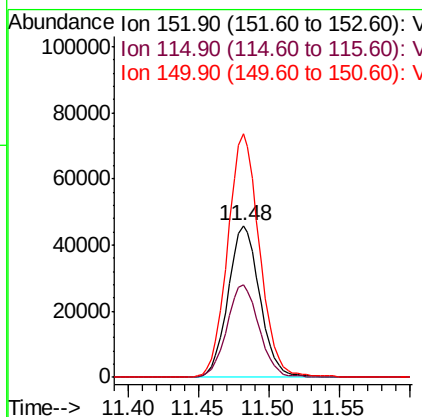
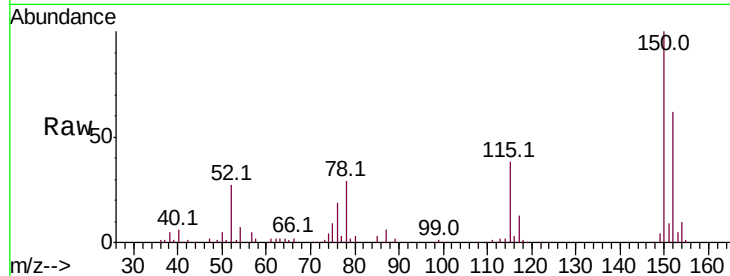




#72
 1,4-Dichlorobenzene-d4
 Concen: 50.000 ug/l
 RT: 11.48 min Scan# 3206
 Delta R.T. -0.00 min
 Lab File: VU028551.D
 Acq: 10 Dec 2018 15:14

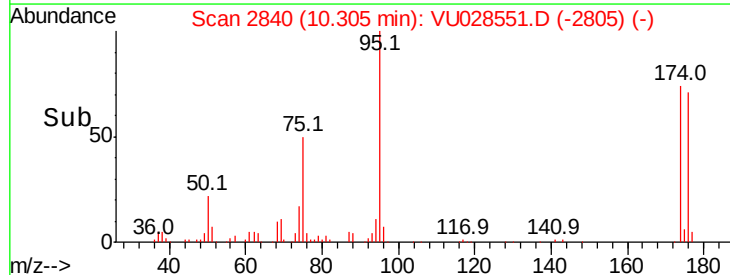
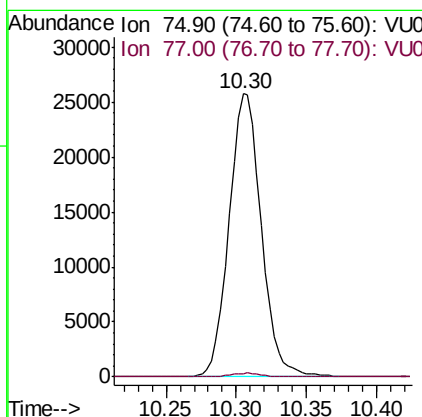
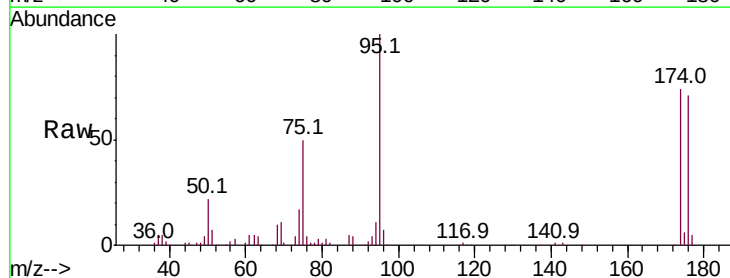
Instrument :
 MSVOA_U
 ClientSampleId :
 RE-104D2-20181206

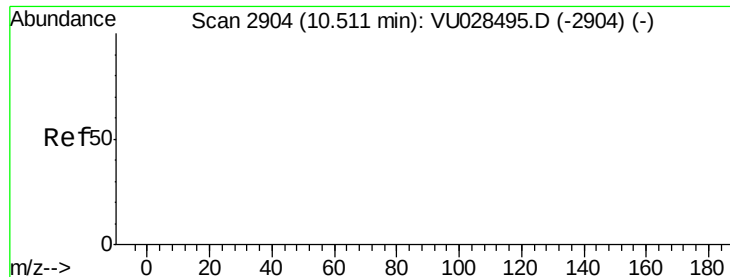
Tot Ion:152 Resp: 72450
 Ion Ratio Lower Upper
 152 100
 115 62.0 42.7 128.1
 150 160.6 0.0 346.0



#76
 1,2,3-Trichloropropane
 Concen: 22.267 ug/l
 RT: 10.30 min Scan# 2840
 Delta R.T. -0.19 min
 Lab File: VU028551.D
 Acq: 10 Dec 2018 15:14

Tgt Ion: 75 Resp: 41194
 Ion Ratio Lower Upper
 75 100
 77 1.1 20.8 62.4#

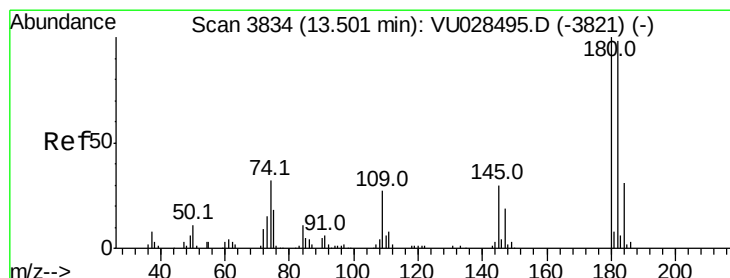
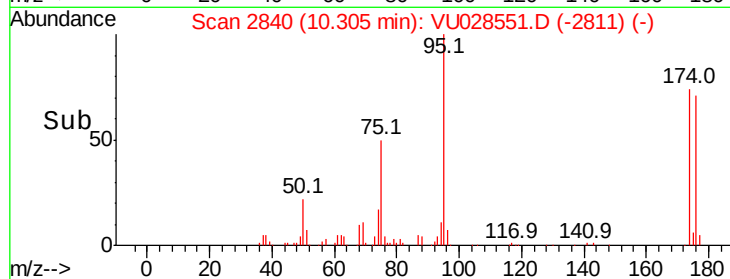
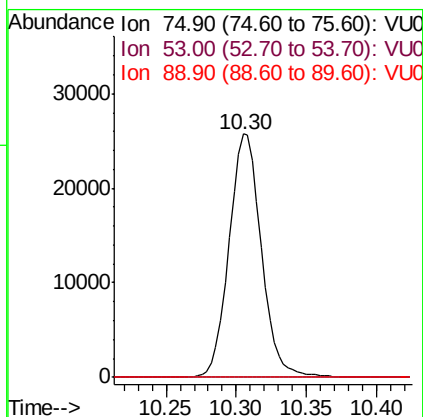
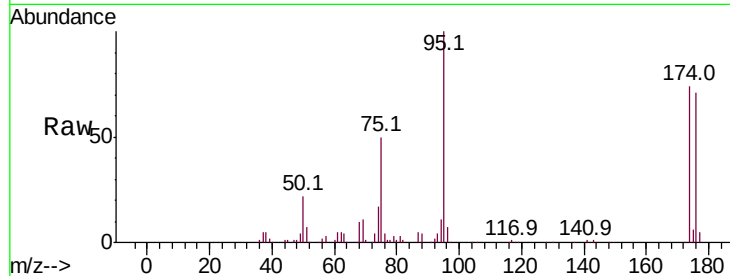




#81
trans-1,4-Dichloro-2-butene
Concen: 54.697 ug/l
RT: 10.30 min Scan# 2840
Delta R.T. -0.21 min
Lab File: VU028551.D
Acq: 10 Dec 2018 15:14

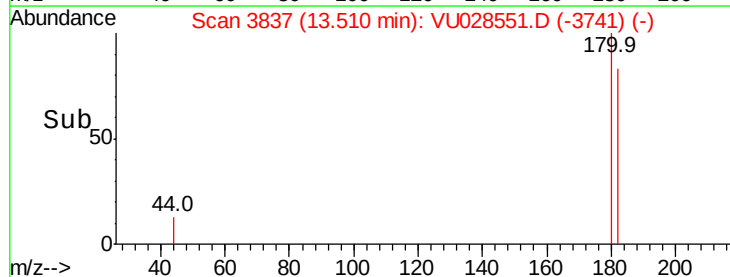
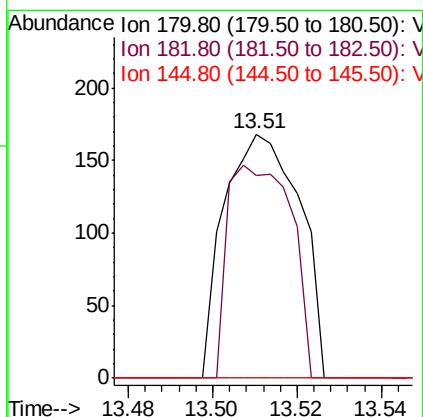
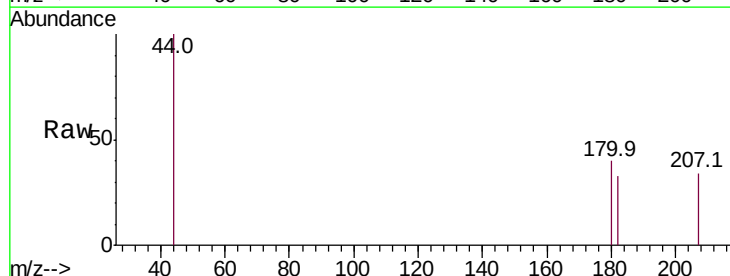
Instrument :
MSVOA_U
ClientSampleId :
RE-104D2-20181206

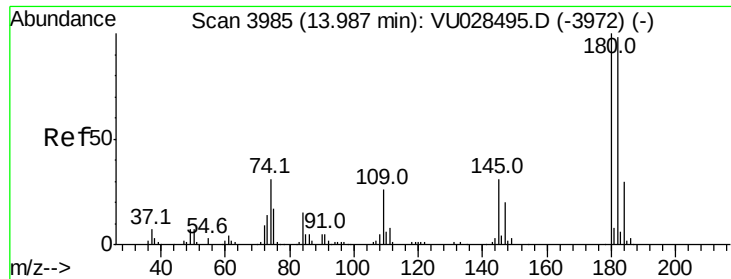
Tot Ion: 75 Resp: 41194
Ion Ratio Lower Upper
75 100
53 0.0 0.0 0.0
89 0.0 0.0 0.0



#93
1,2,4-Trichlorobenzene
Concen: 0.965 ug/l
RT: 13.51 min Scan# 3837
Delta R.T. 0.01 min
Lab File: VU028551.D
Acq: 10 Dec 2018 15:14

Tgt Ion: 180 Resp: 209
Ion Ratio Lower Upper
180 100
182 73.7 47.9 143.8
145 0.0 15.0 45.1#





#96

1,2,3-Trichlorobenzene

Concen: 0.224 ug/l

RT: 14.00 min Scan# 3988

Delta R.T. 0.01 min

Lab File: VU028551.D

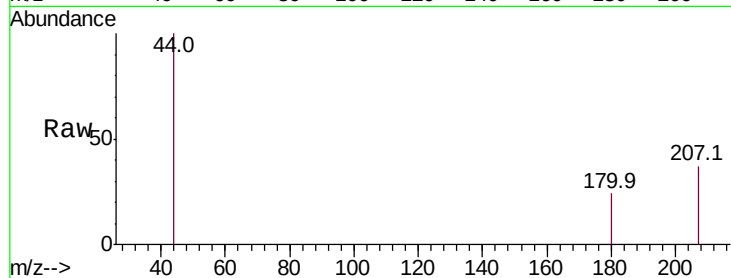
Acq: 10 Dec 2018 15:14

Instrument :

MSVOA_U

ClientSampleId :

RE-104D2-20181206



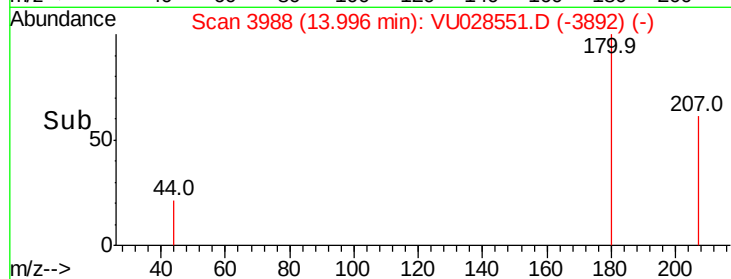
Tot Ion:180 Resp: 131

Ion Ratio Lower Upper

180 100

182 0.0 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

