

Data Path : Z:\VOASRV\HPCHEM1\MSVOA U\DATA\VU121318\
 Data File : VU028646.D
 Acq On : 12 Dec 2018 12:45
 Operator : MD/SY
 Sample : J6357-11
 Misc : 5.0mL/MSVOA U/WATER
 ALS Vial : 40 Sample Multiplier: 1

Instrument :
 MSVOA_U
 ClientSampleId :
 TWP-02

Quant Time: Dec 13 00:47:16 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

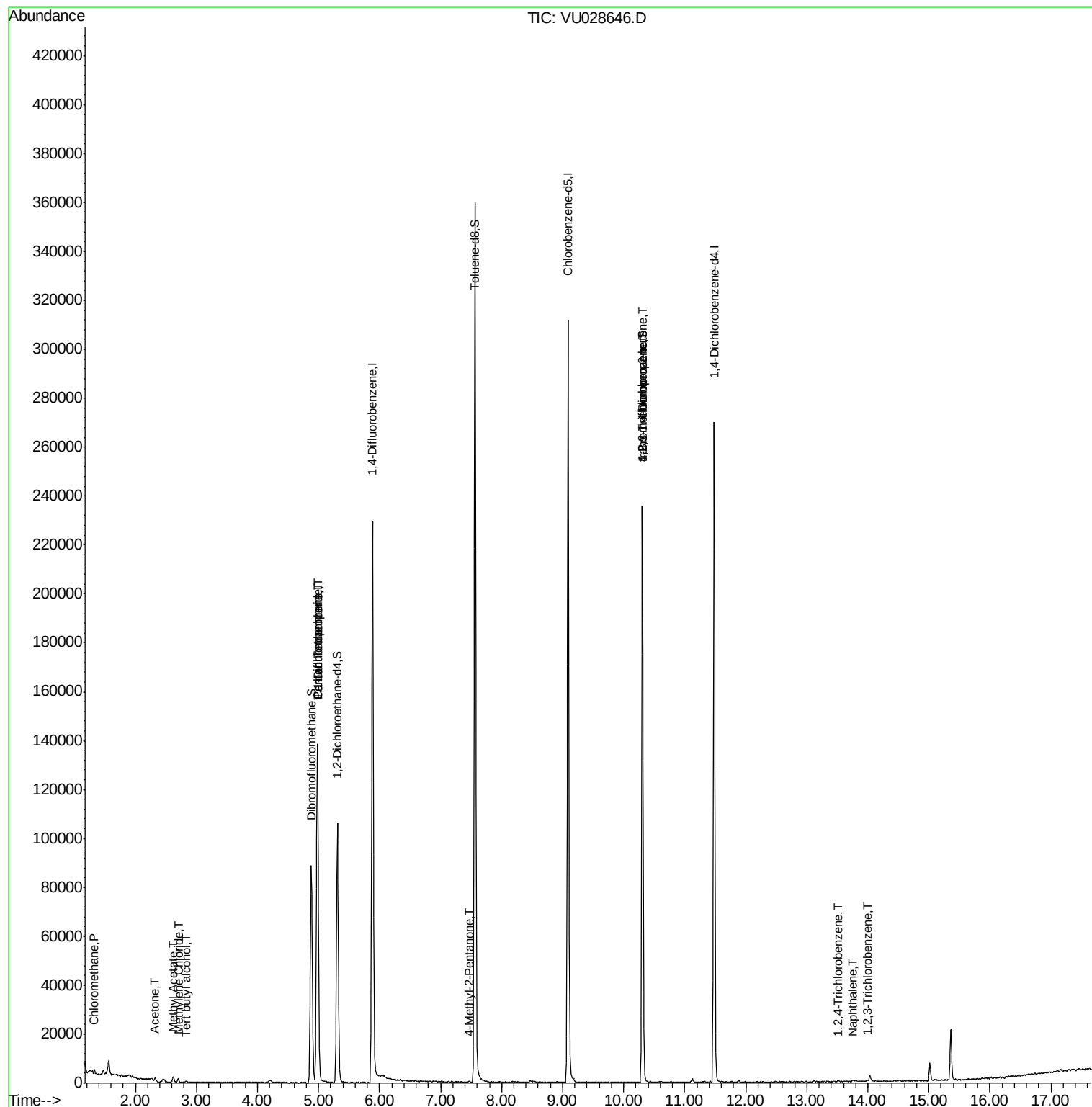
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	4.98	168	105168	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	5.89	114	188870	50.00	ug/l	0.00
63) Chlorobenzene-d5	9.09	117	169106	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	11.48	152	66244	50.00	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	5.31	65	81361	50.69	ug/l	0.00
Spiked Amount 50.000			Recovery	=	101.38%	
35) Dibromofluoromethane	4.88	113	62807	52.84	ug/l	0.00
Spiked Amount 50.000			Recovery	=	105.68%	
50) Toluene-d8	7.57	98	241171	51.29	ug/l	0.00
Spiked Amount 50.000			Recovery	=	102.58%	
62) 4-Bromofluorobenzene	10.30	95	79218	45.08	ug/l	0.00
Spiked Amount 50.000			Recovery	=	90.16%	
Target Compounds						
					Qvalue	
3) Chloromethane	1.33	50	1283	0.495	ug/l	98
11) Tert butyl alcohol	2.83	59	377	1.054	ug/l #	73
16) Acetone	2.32	43	2085	1.991	ug/l	92
18) Methyl Acetate	2.62	43	3206	1.181	ug/l #	86
20) Methylene Chloride	2.70	84	568	0.368	ug/l #	90
31) Cyclohexane	4.98	56	2312	Below Cal	#	1
36) 1,1-Dichloropropene	4.98	75	8827	4.271	ug/l #	50
38) Carbon Tetrachloride	4.98	117	10194	6.119	ug/l #	15
51) 4-Methyl-2-Pentanone	7.47	43	937	0.352	ug/l #	37
76) 1,2,3-Trichloropropane	10.30	75	41097	24.295	ug/l #	36
81) trans-1,4-Dichloro-2-buten	10.30	75	41097	59.633	ug/l #	100
93) 1,2,4-Trichlorobenzene	13.51	180	182	0.959	ug/l #	63
95) Naphthalene	13.75	128	1331	0.247	ug/l #	69
96) 1,2,3-Trichlorobenzene	13.99	180	357	0.378	ug/l	82

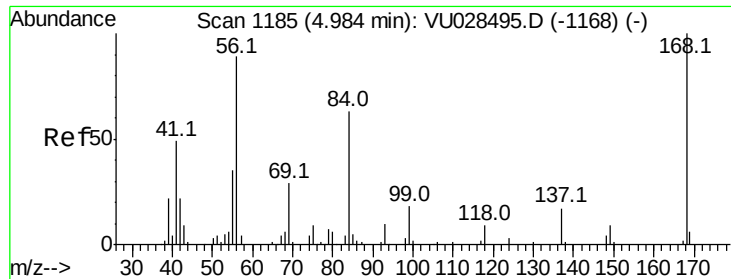
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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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: VU028646.D

Acq: 12 Dec 2018 12:45

Instrument :

MSVOA_U

ClientSampleId :

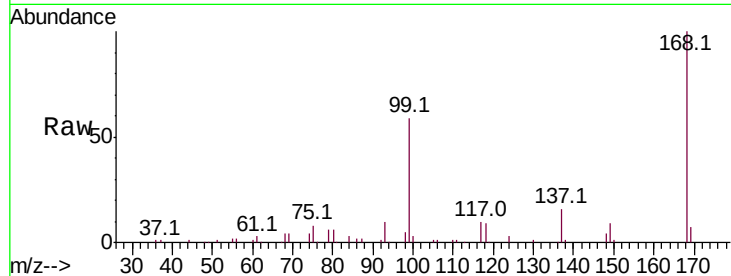
TWP-02

Tot Ion:168 Resp: 105168

Ion Ratio Lower Upper

168 100

99 59.0 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) (-)

4.98

50000

40000

30000

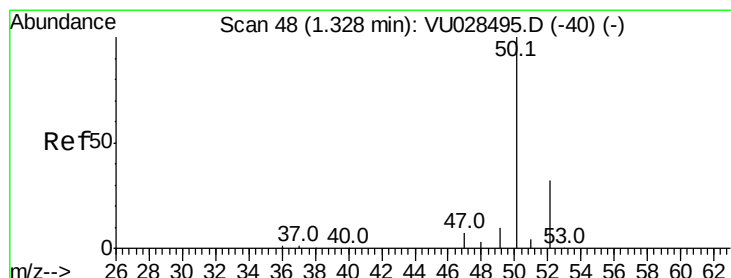
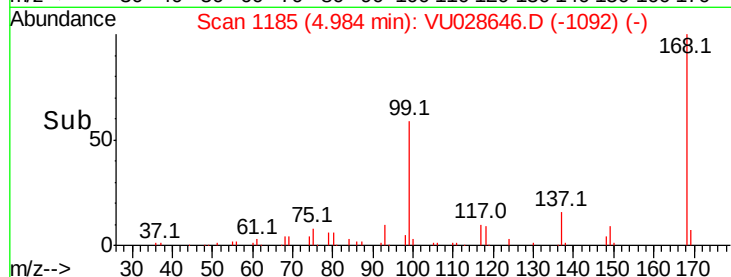
20000

10000

0

4.90 4.95 5.00 5.05

Time-->



#3

Chloromethane

Concen: 0.495 ug/l

RT: 1.33 min Scan# 48

Delta R.T. -0.00 min

Lab File: VU028646.D

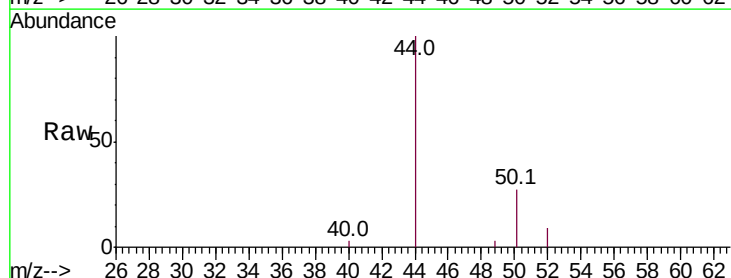
Acq: 12 Dec 2018 12:45

Tgt Ion: 50 Resp: 1283

Ion Ratio Lower Upper

50 100

52 33.0 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) (-)

1.33

1200

1000

800

600

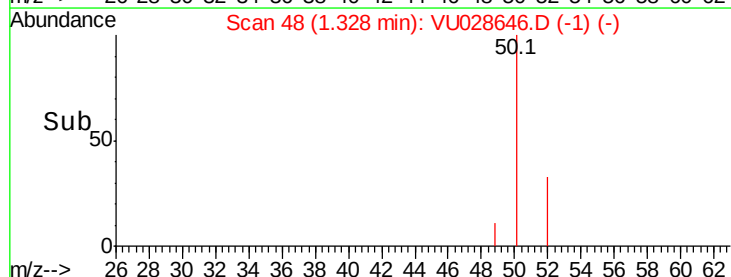
400

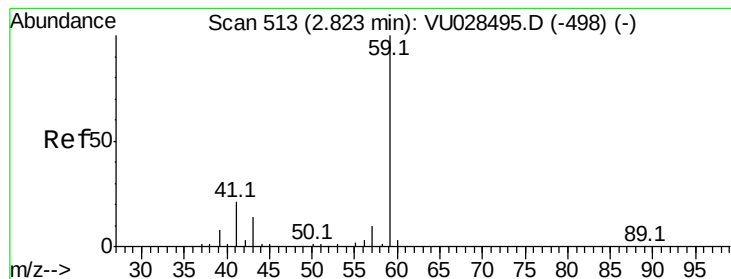
200

0

1.30 1.35

Time-->



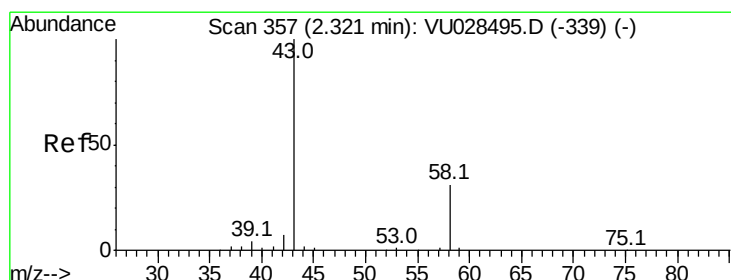
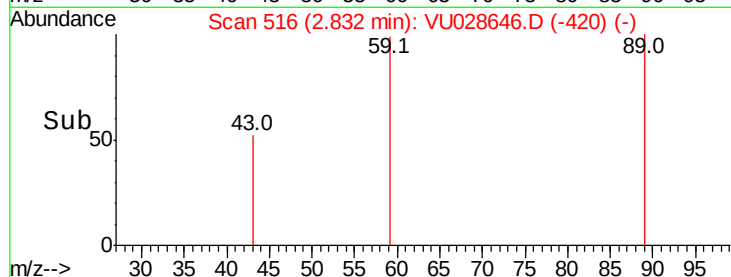
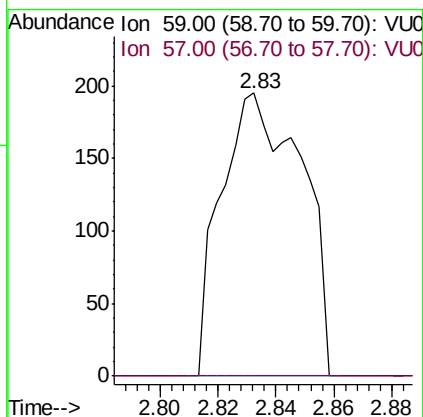
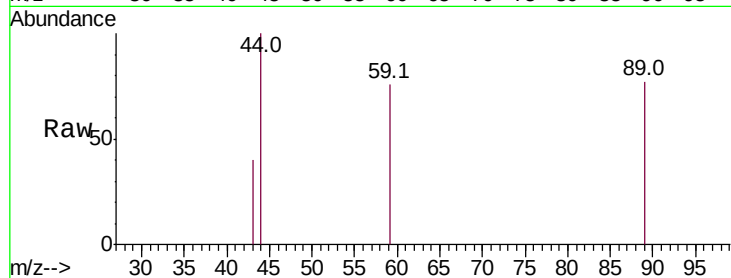


#11

Tert butyl alcohol
 Concen: 1.054 ug/l
 RT: 2.83 min Scan# 516
 Delta R.T. 0.01 min
 Lab File: VU028646.D
 Acq: 12 Dec 2018 12:45

Instrument :
 MSVOA_U
 ClientSampleId :
 TWP-02

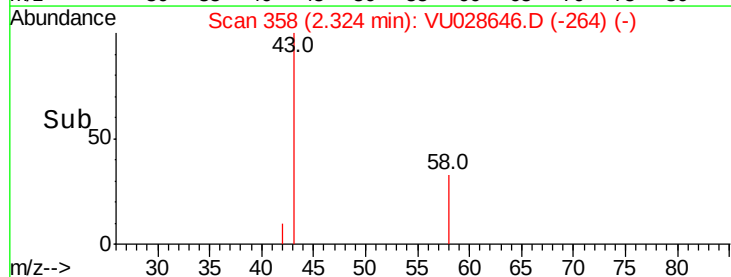
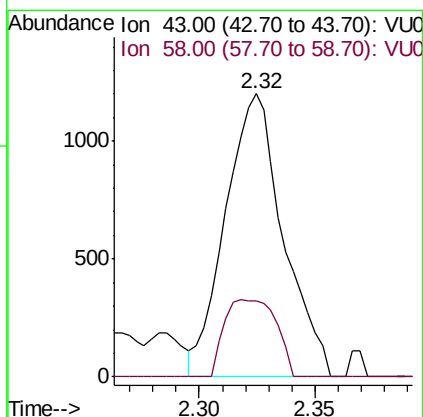
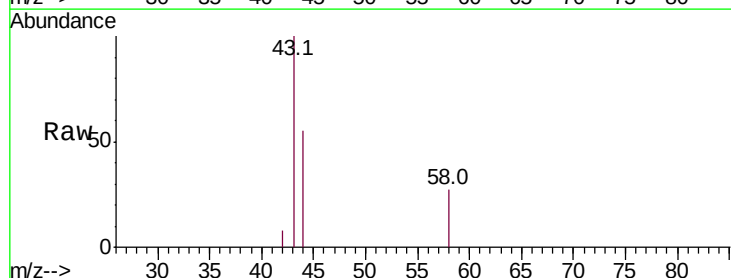
Tot Ion: 59 Resp: 377
 Ion Ratio Lower Upper
 59 100
 57 0.0 8.0 12.0#

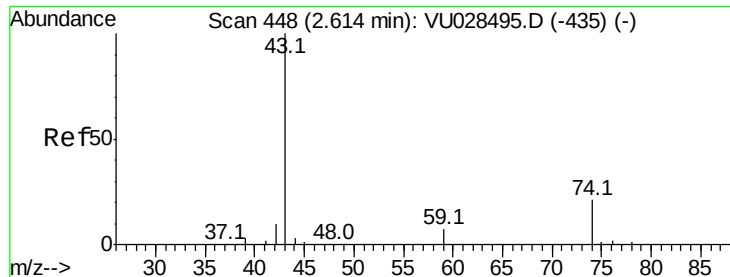


#16

Acetone
 Concen: 1.991 ug/l
 RT: 2.32 min Scan# 358
 Delta R.T. 0.00 min
 Lab File: VU028646.D
 Acq: 12 Dec 2018 12:45

Tgt Ion: 43 Resp: 2085
 Ion Ratio Lower Upper
 43 100
 58 26.6 24.6 37.0

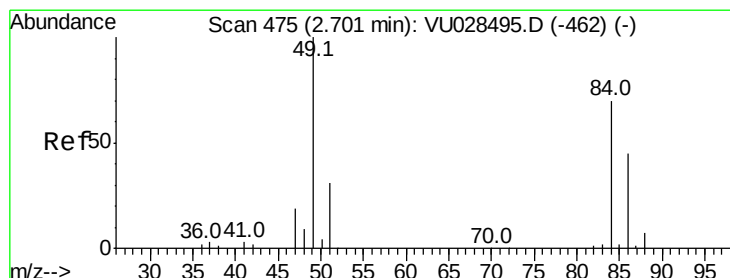
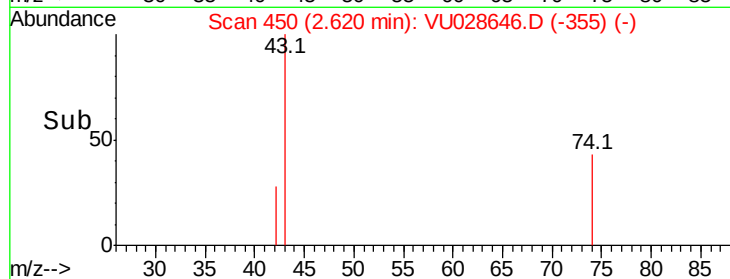
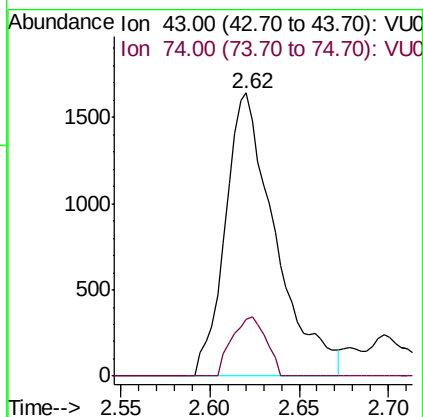
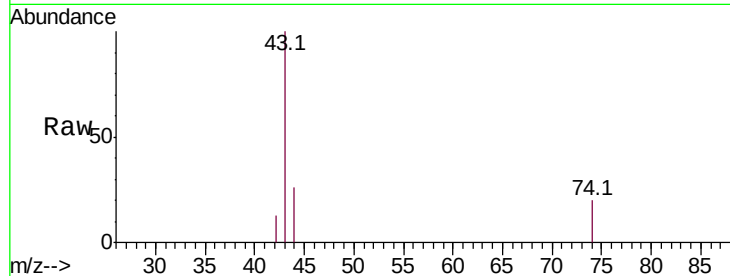




#18
Methvl Acetate
Concen: 1.181 ug/l
RT: 2.62 min Scan# 450
Delta R.T. 0.01 min
Lab File: VU028646.D
Acq: 12 Dec 2018 12:45

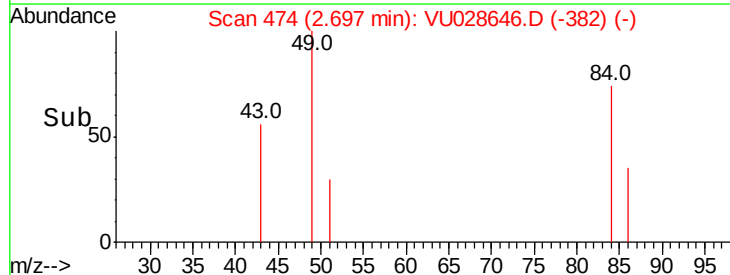
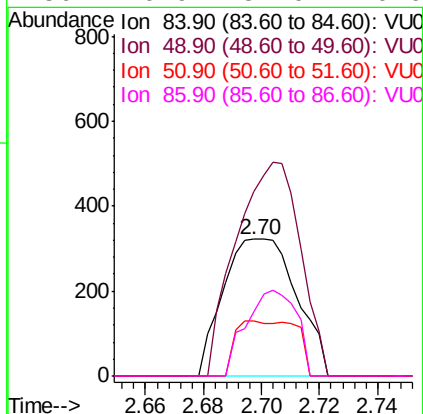
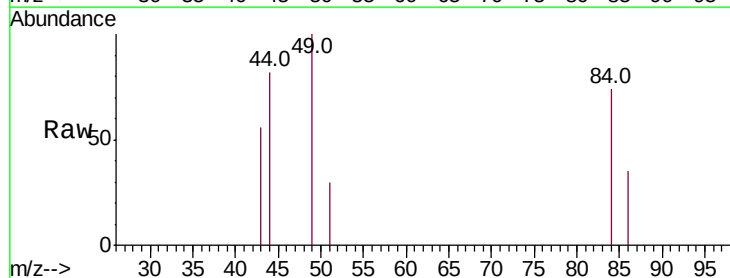
Instrument :
MSVOA_U
ClientSampleId :
TWP-02

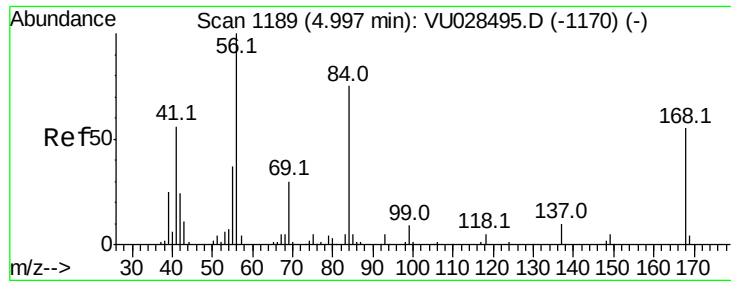
Tot Ion: 43 Resp: 3206
Ion Ratio Lower Upper
43 100
74 14.1 16.4 24.6#



#20
Methylene Chloride
Concen: 0.368 ug/l
RT: 2.70 min Scan# 474
Delta R.T. -0.00 min
Lab File: VU028646.D
Acq: 12 Dec 2018 12:45

Tgt Ion: 84 Resp: 568
Ion Ratio Lower Upper
84 100
49 134.8 114.0 171.0
51 40.1 35.1 52.7
86 46.9 51.0 76.6#

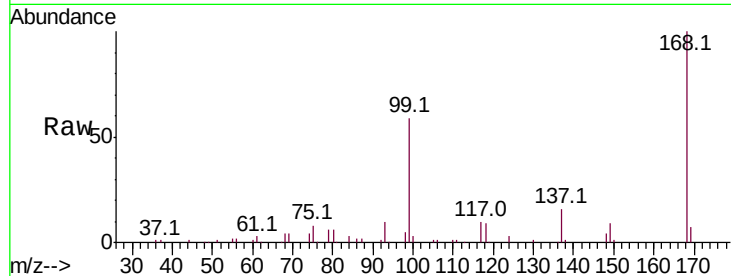




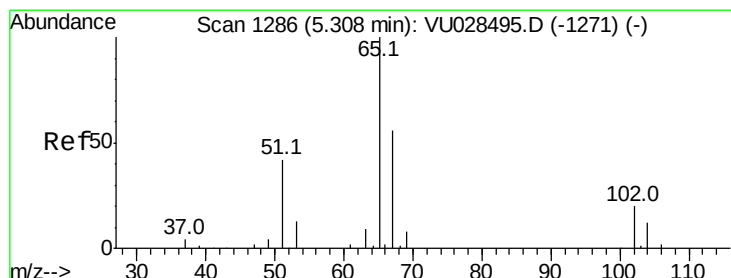
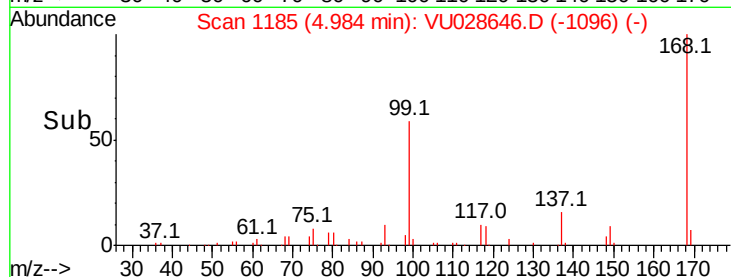
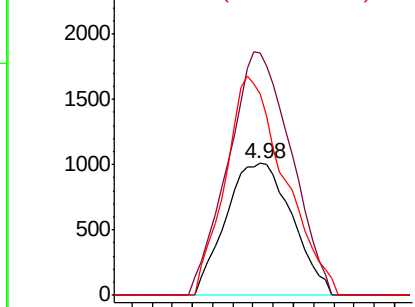
#31
Cyclohexane
Concen: Below Cal
RT: 4.98 min Scan# 1185
Delta R.T. -0.01 min
Lab File: VU028646.D
Acq: 12 Dec 2018 12:45

Instrument :
MSVOA_U
ClientSampled :
TWP-02

Tot Ion: 56 Resp: 2312
Ion Ratio Lower Upper
56 100
69 184.2 24.0 36.0#
84 152.3 59.7 89.5#

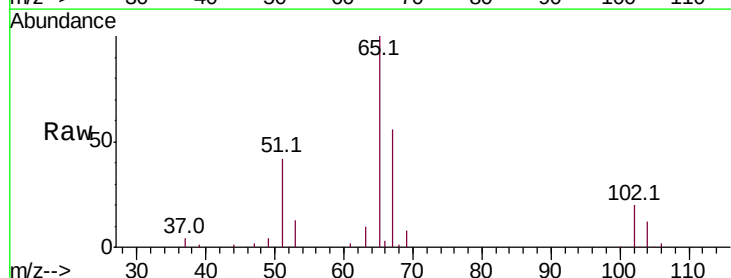


Abundance Ion 56.00 (55.70 to 56.70): VU0
Ion 69.00 (68.70 to 69.70): VU0
Ion 84.00 (83.70 to 84.70): VU0

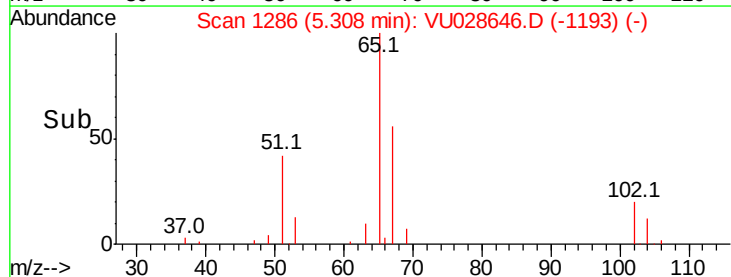
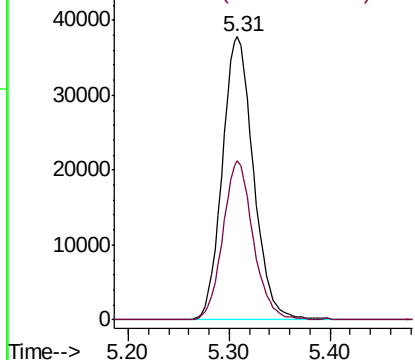


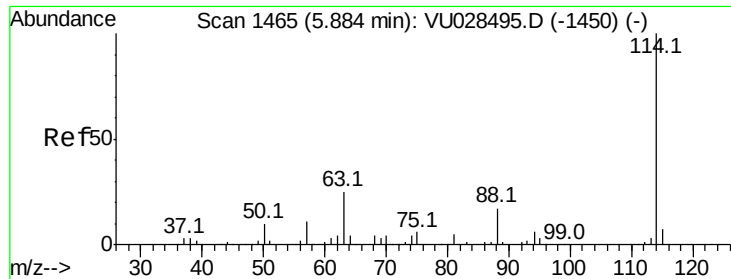
#33
1,2-Dichloroethane-d4
Concen: 50.694 ug/l
RT: 5.31 min Scan# 1286
Delta R.T. -0.00 min
Lab File: VU028646.D
Acq: 12 Dec 2018 12:45

Tgt Ion: 65 Resp: 81361
Ion Ratio Lower Upper
65 100
67 54.6 0.0 110.6



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

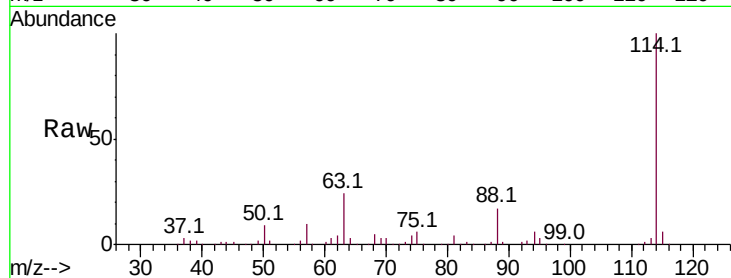




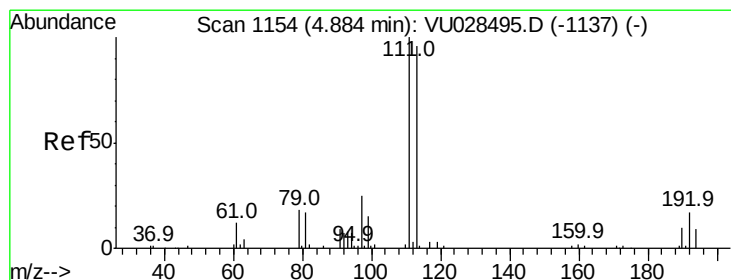
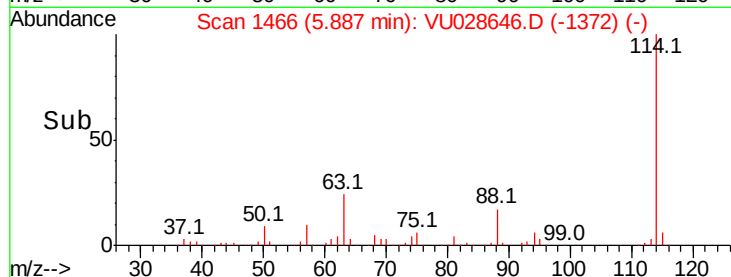
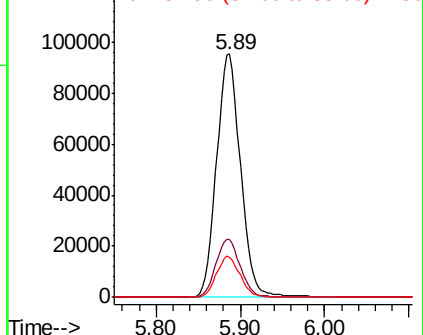
#34
 1,4-Difluorobenzene
 Concen: 50.000 ug/l
 RT: 5.89 min Scan# 1466
 Delta R.T. 0.00 min
 Lab File: VU028646.D
 Acq: 12 Dec 2018 12:45

Instrument :
 MSVOA_U
 ClientSampleId :
 TWP-02

Tot Ion:114 Resp: 188870
 Ion Ratio Lower Upper
 114 100
 63 23.9 0.0 49.2
 88 16.7 0.0 33.4

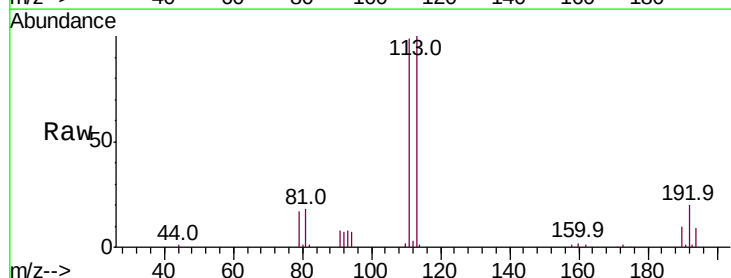


Abundance Ion 113.90 (113.60 to 114.60): V
 Ion 63.00 (62.70 to 63.70): VU0
 Ion 87.90 (87.60 to 88.60): VU0

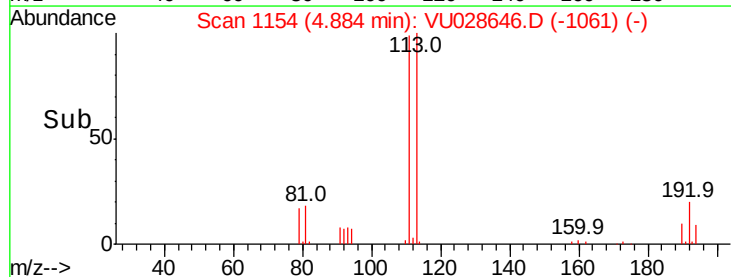
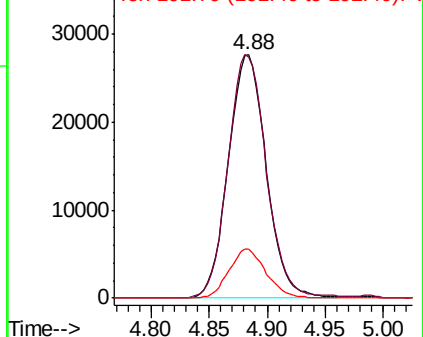


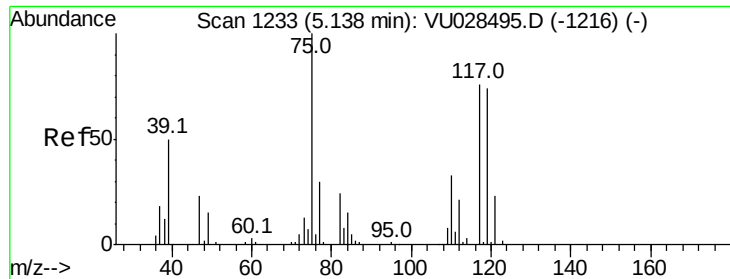
#35
 Dibromofluoromethane
 Concen: 52.842 ug/l
 RT: 4.88 min Scan# 1154
 Delta R.T. -0.00 min
 Lab File: VU028646.D
 Acq: 12 Dec 2018 12:45

Tgt Ion:113 Resp: 62807
 Ion Ratio Lower Upper
 113 100
 111 101.1 83.4 125.0
 192 19.5 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: 4.271 ug/l

RT: 4.98 min Scan# 1184

Delta R.T. -0.16 min

Lab File: VU028646.D

Acq: 12 Dec 2018 12:45

Instrument :

MSVOA_U

ClientSampled :

TWP-02

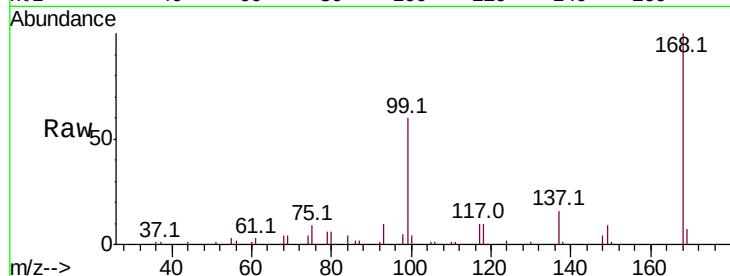
Tot Ion: 75 Resp: 8827

Ion Ratio Lower Upper

75 100

110 7.0 16.1 48.2#

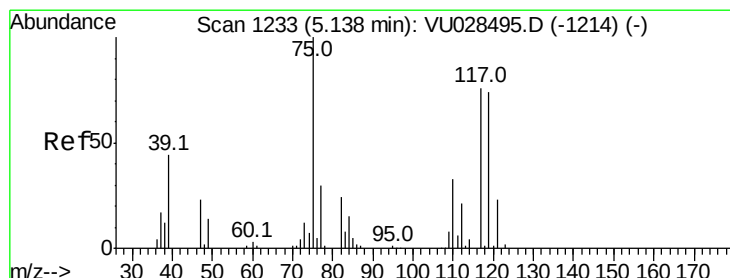
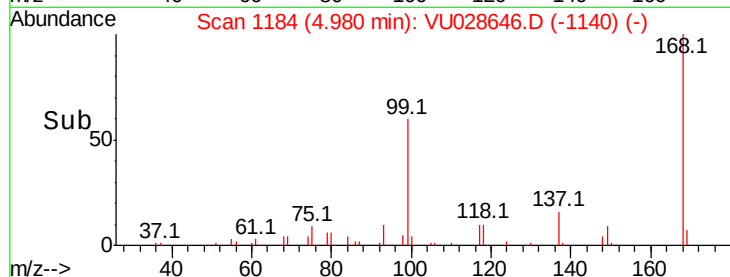
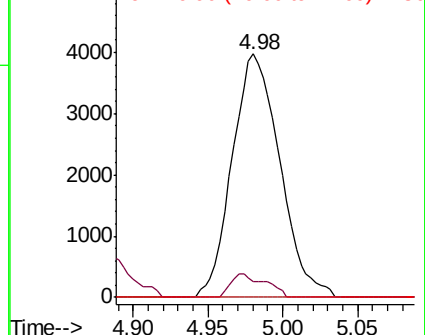
77 0.0 24.5 36.7#



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: 6.119 ug/l

RT: 4.98 min Scan# 1185

Delta R.T. -0.15 min

Lab File: VU028646.D

Acq: 12 Dec 2018 12:45

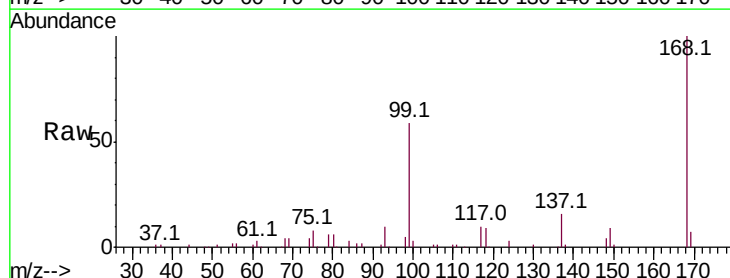
Tgt Ion: 117 Resp: 10194

Ion Ratio Lower Upper

117 100

119 3.9 77.6 116.4#

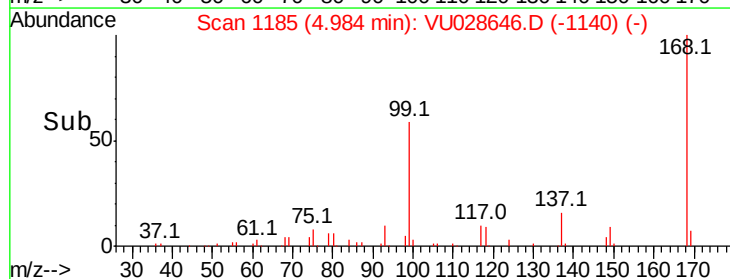
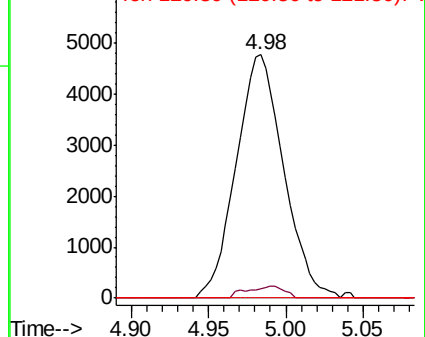
121 0.0 24.6 36.8#

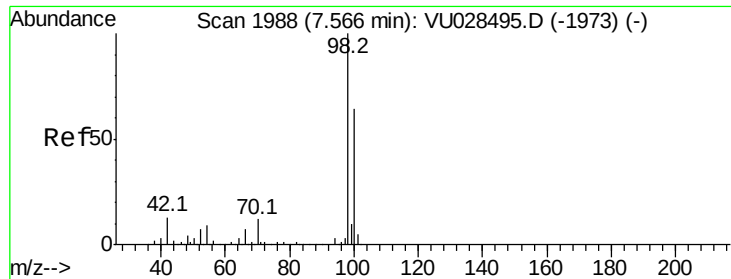


Abundance Ion 116.80 (116.50 to 117.50): V

Ion 118.80 (118.50 to 119.50): V

Ion 120.80 (120.50 to 121.50): V

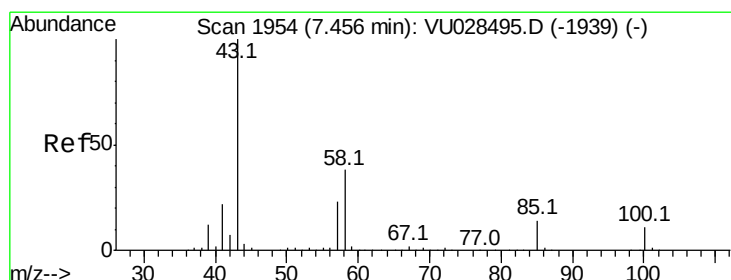
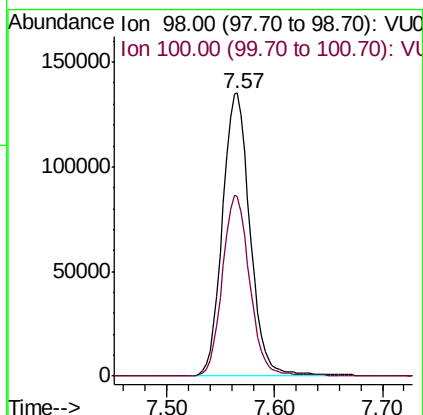
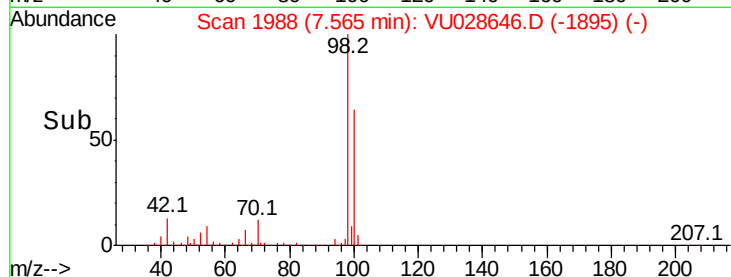
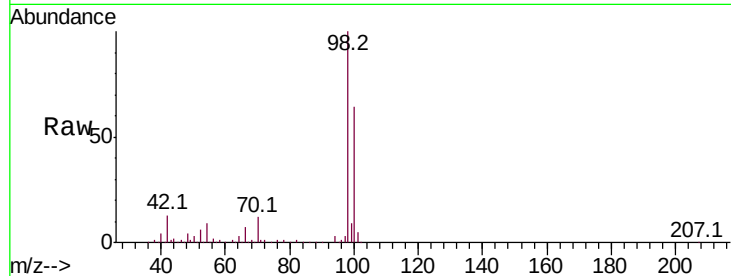




#50
Toluene-d8
Concen: 51.294 ug/l
RT: 7.57 min Scan# 1988
Delta R.T. -0.00 min
Lab File: VU028646.D
Acq: 12 Dec 2018 12:45

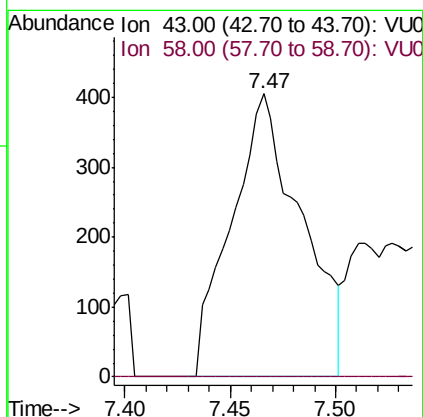
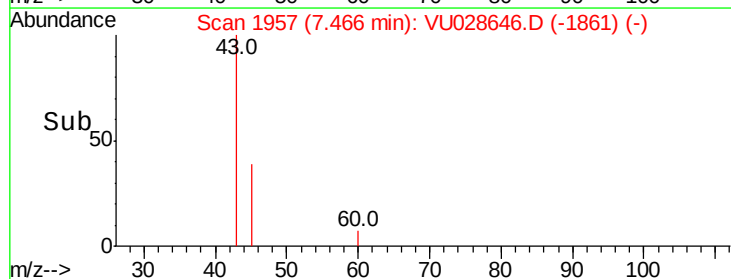
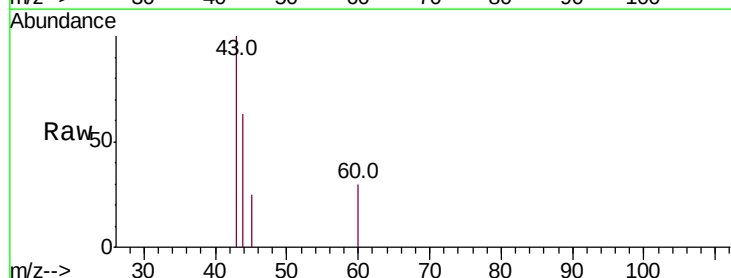
Instrument :
MSVOA_U
ClientSampleId :
TWP-02

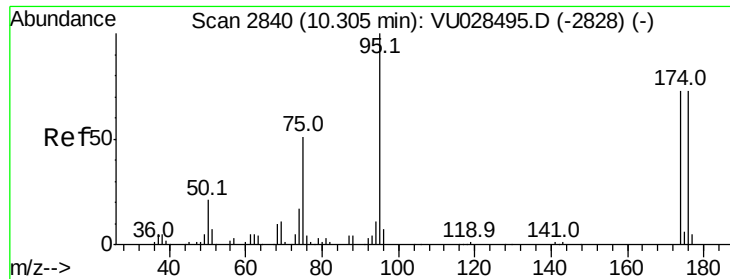
Tot Ion: 98 Resp: 241171
Ion Ratio Lower Upper
98 100
100 63.6 51.0 76.6



#51
4-Methyl-2-Pentanone
Concen: 0.352 ug/l
RT: 7.47 min Scan# 1957
Delta R.T. 0.01 min
Lab File: VU028646.D
Acq: 12 Dec 2018 12:45

Tgt Ion: 43 Resp: 937
Ion Ratio Lower Upper
43 100
58 0.0 30.2 45.2#





#62

4-Bromofluorobenzene

Concen: 45.078 ug/l

RT: 10.30 min Scan# 2840

Delta R.T. -0.00 min

Lab File: VU028646.D

Acq: 12 Dec 2018 12:45

Instrument :

MSVOA_U

ClientSampleId :

TWP-02

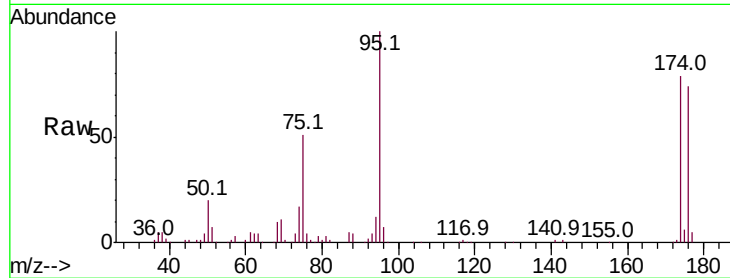
Tot Ion: 95 Resp: 79218

Ion Ratio Lower Upper

95 100

174 77.4 0.0 150.4

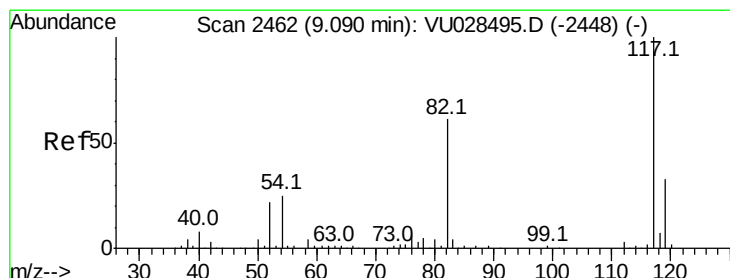
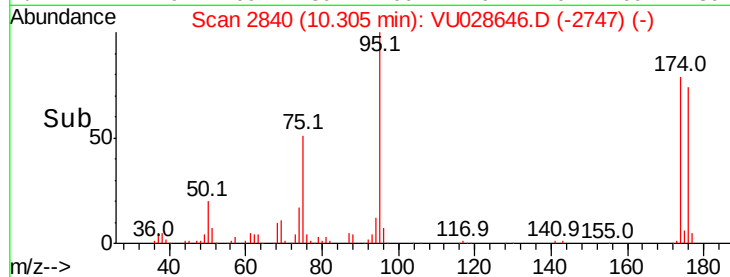
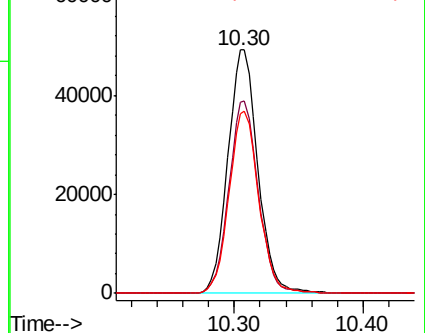
176 74.2 0.0 145.2



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: VU028646.D

Acq: 12 Dec 2018 12:45

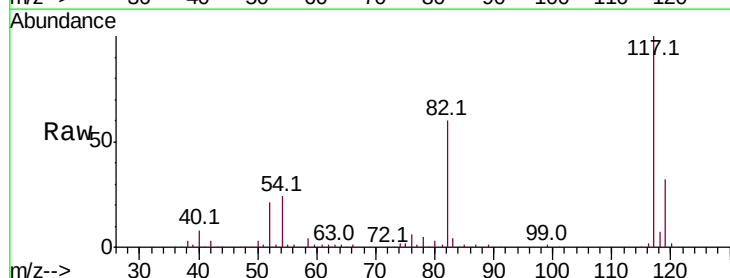
Tgt Ion: 117 Resp: 169106

Ion Ratio Lower Upper

117 100

82 59.6 48.9 73.3

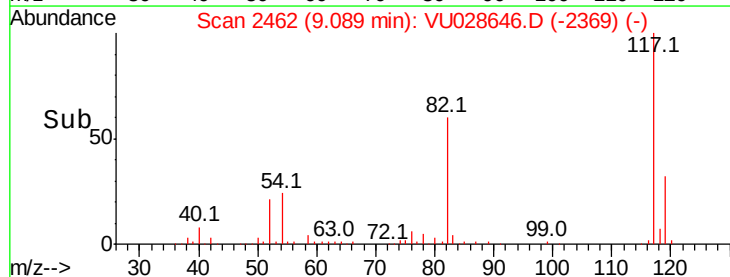
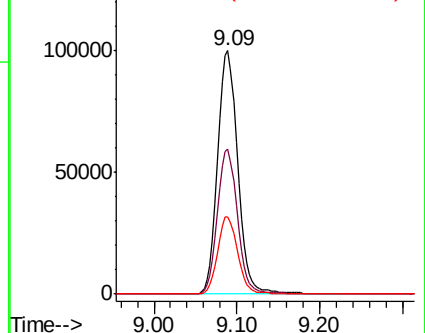
119 31.8 26.2 39.4

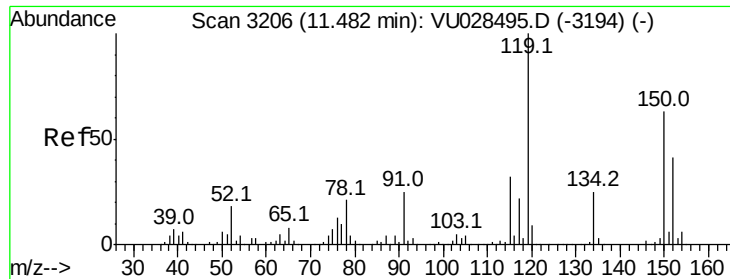


Abundance Ion 116.90 (116.60 to 117.60): V

Ion 82.00 (81.70 to 82.70): VU0

Ion 118.90 (118.60 to 119.60): V

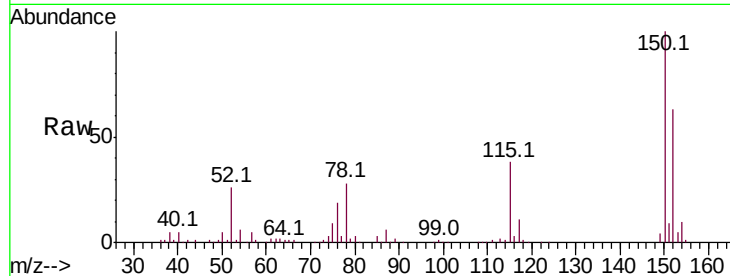




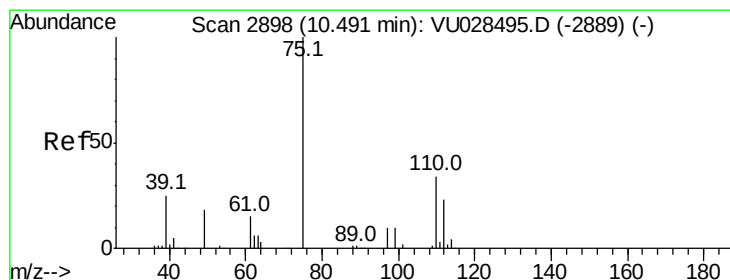
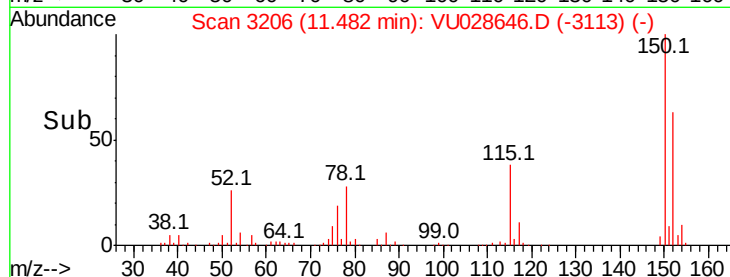
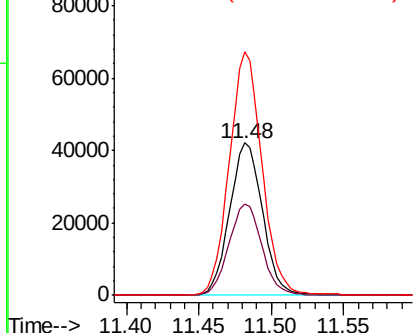
#72
 1,4-Dichlorobenzene-d4
 Concen: 50.000 ug/l
 RT: 11.48 min Scan# 3206
 Delta R.T. -0.00 min
 Lab File: VU028646.D
 Acq: 12 Dec 2018 12:45

Instrument :
 MSVOA_U
 ClientSampleId :
 TWP-02

Tot Ion:152 Resp: 66244
 Ion Ratio Lower Upper
 152 100
 115 60.1 42.7 128.1
 150 159.1 0.0 346.0

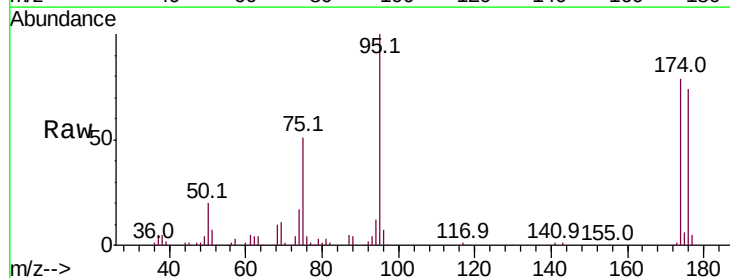


Abundance Ion 151.90 (151.60 to 152.60): V
 Ion 114.90 (114.60 to 115.60): V
 Ion 149.90 (149.60 to 150.60): V

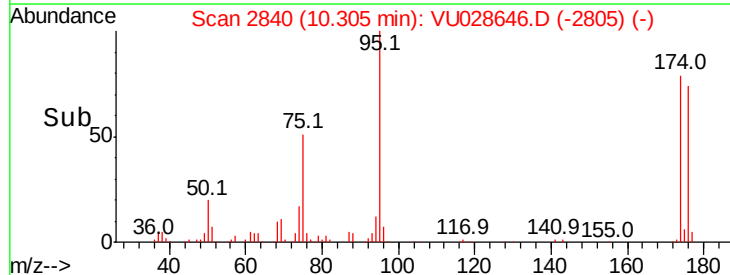
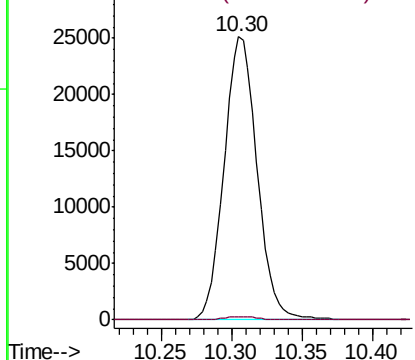


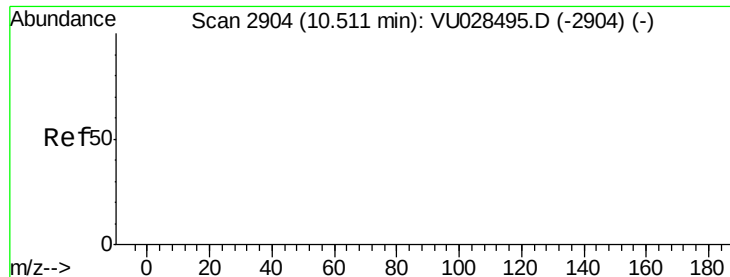
#76
 1,2,3-Trichloropropane
 Concen: 24.295 ug/l
 RT: 10.30 min Scan# 2840
 Delta R.T. -0.19 min
 Lab File: VU028646.D
 Acq: 12 Dec 2018 12:45

Tgt Ion: 75 Resp: 41097
 Ion Ratio Lower Upper
 75 100
 77 1.0 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: 59.633 ug/l

RT: 10.30 min Scan# 2840

Delta R.T. -0.21 min

Lab File: VU028646.D

Acq: 12 Dec 2018 12:45

Instrument :

MSVOA_U

ClientSampleId :

TWP-02

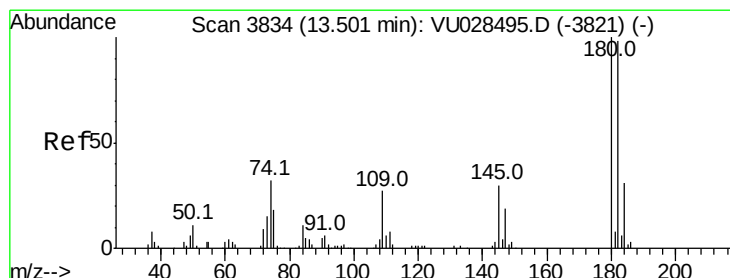
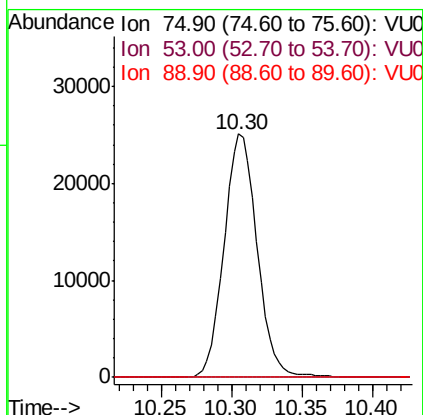
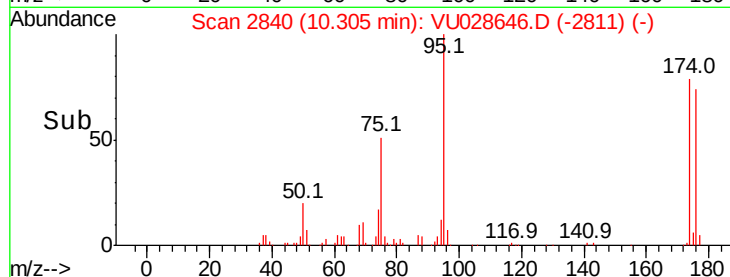
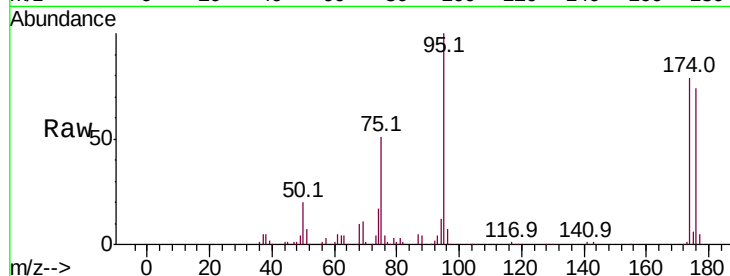
Tot Ion: 75 Resp: 41097

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: 0.959 ug/l

RT: 13.51 min Scan# 3838

Delta R.T. 0.01 min

Lab File: VU028646.D

Acq: 12 Dec 2018 12:45

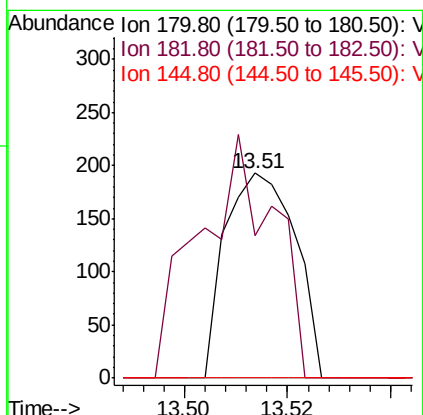
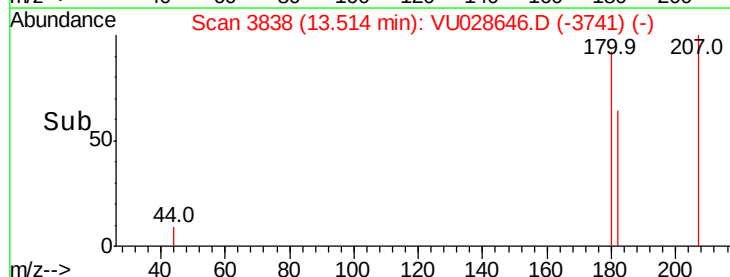
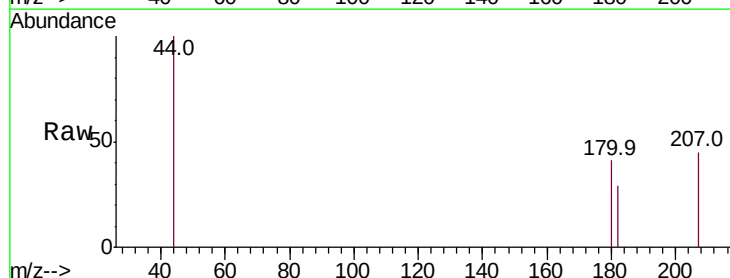
Tgt Ion: 180 Resp: 182

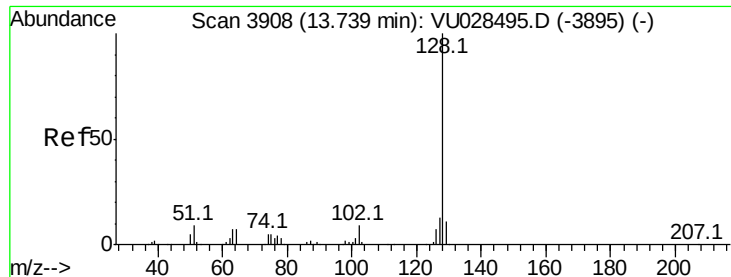
Ion Ratio Lower Upper

180 100

182 125.8 47.9 143.8

145 0.0 15.0 45.1#

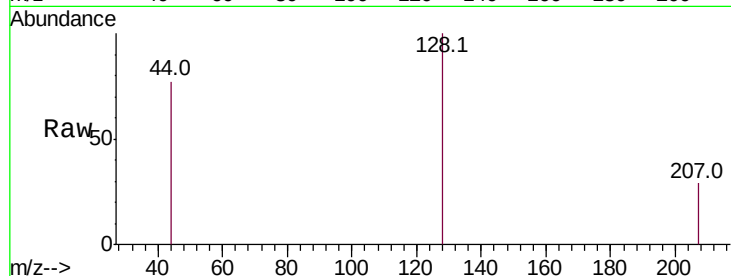




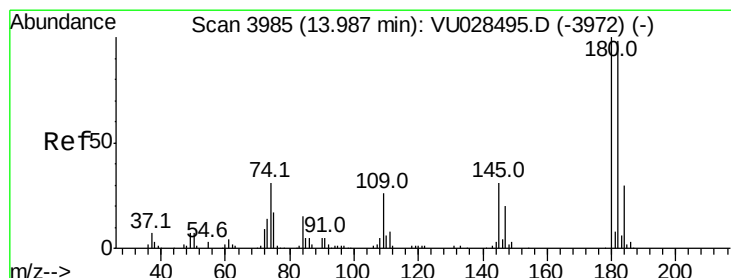
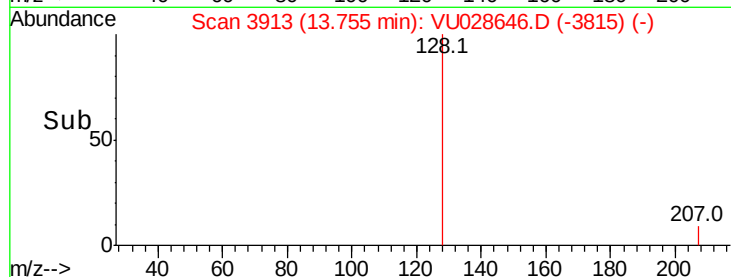
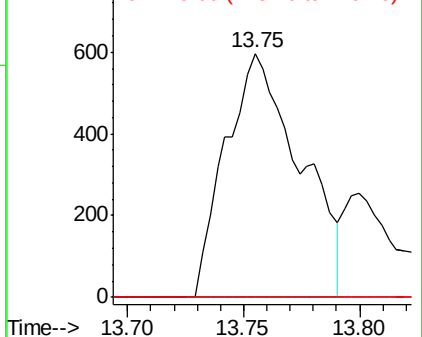
#95
Naphthalene
Concen: 0.247 ug/l
RT: 13.75 min Scan# 3913
Delta R.T. 0.02 min
Lab File: VU028646.D
Acq: 12 Dec 2018 12:45

Instrument :
MSVOA_U
ClientSampleId :
TWP-02

Tot Ion:128 Resp: 1331
Ion Ratio Lower Upper
128 100
127 0.0 10.4 15.6#
129 0.0 8.6 13.0#

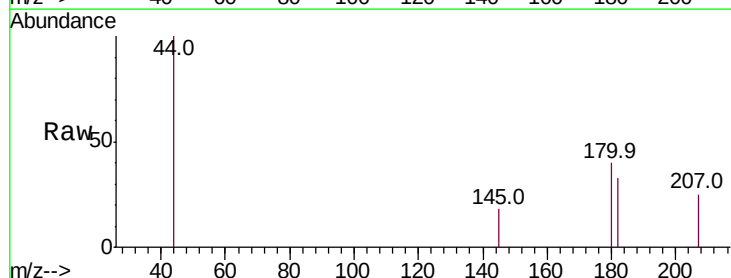


Abundance Ion 128.00 (127.70 to 128.70): V
Ion 127.00 (126.70 to 127.70): V
Ion 129.00 (128.70 to 129.70): V



#96
1,2,3-Trichlorobenzene
Concen: 0.378 ug/l
RT: 13.99 min Scan# 3986
Delta R.T. 0.00 min
Lab File: VU028646.D
Acq: 12 Dec 2018 12:45

Tgt Ion:180 Resp: 357
Ion Ratio Lower Upper
180 100
182 80.7 48.2 144.6
145 18.5 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

