

Data Path : Z:\VOASRV\HPCHEM1\MSVOA U\DATA\VU111218\
 Data File : VU028056.D
 Acq On : 12 Nov 2018 11:31
 Operator : MD/SY
 Sample : VU1112WBL01
 Misc : 5.0mL/MSVOA U/WATER
 ALS Vial : 3 Sample Multiplier: 1

Instrument :
 MSVOA_U
 ClientSampleId :
 VU1112WBL01

Quant Time: Nov 13 02:42:46 2018
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_U\METHOD\82U110218W.M
 Quant Title : SW846 8260
 QLast Update : Fri Nov 02 02:28:20 2018
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	4.99	168	175862	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	5.89	114	339649	50.00	ug/l	0.00
63) Chlorobenzene-d5	9.09	117	303425	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	11.48	152	115572	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	156449	59.84	ug/l	0.00
Spiked Amount			Recovery	=	119.68%	
35) Dibromofluoromethane	4.88	113	112386	52.48	ug/l	0.00
Spiked Amount			Recovery	=	104.96%	
50) Toluene-d8	7.57	98	442598	53.50	ug/l	0.00
Spiked Amount			Recovery	=	107.00%	
62) 4-Bromofluorobenzene	10.31	95	143426	47.00	ug/l	0.00
Spiked Amount			Recovery	=	94.00%	

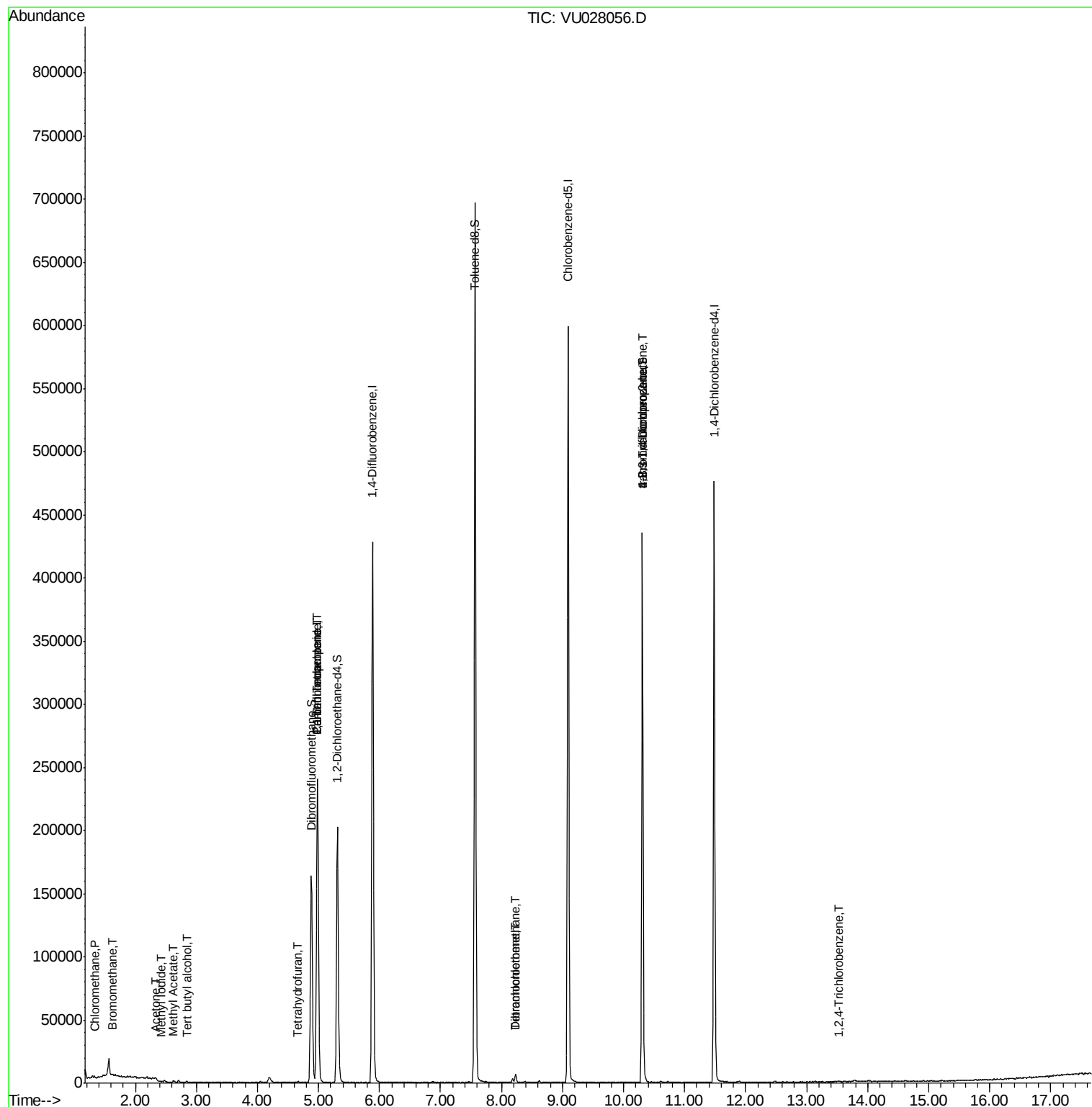
Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
3) Chloromethane	1.33	50	947	0.350	ug/l	97
5) Bromomethane	1.62	94	303	0.339	ug/l #	48
10) Methyl Iodide	2.42	142	98	7.809	ug/l #	56
11) Tert butyl alcohol	2.83	59	599	0.865	ug/l #	73
13) Acrolein	2.20	56	133	Below Cal	#	78
16) Acetone	2.32	43	770	0.475	ug/l #	83
18) Methyl Acetate	2.62	43	1361	0.305	ug/l #	66
29) Tetrahydrofuran	4.66	42	549	0.319	ug/l #	49
31) Cyclohexane	4.99	56	4508	Below Cal	#	1
36) 1,1-Dichloropropene	4.98	75	15552	4.372	ug/l #	49
38) Carbon Tetrachloride	4.98	117	18770	5.954	ug/l #	16
60) Dibromochloromethane	8.23	129	1240	0.504	ug/l #	10
64) Tetrachloroethene	8.23	164	1663	0.845	ug/l #	84
76) 1,2,3-Trichloropropane	10.31	75	76182	24.099	ug/l #	35
81) trans-1,4-Dichloro-2-buten	10.31	75	76182	60.116	ug/l #	100
93) 1,2,4-Trichlorobenzene	13.52	180	213	0.763	ug/l #	84
95) Naphthalene	13.76	128	953	Below Cal	#	81

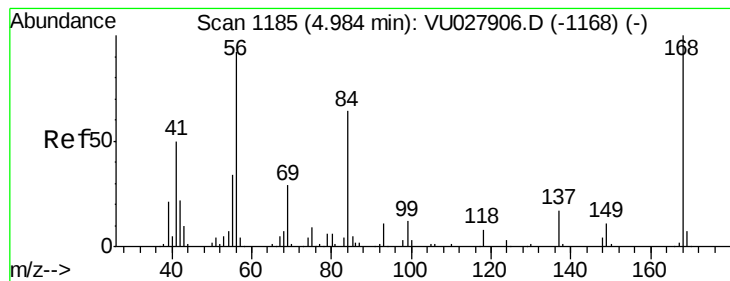
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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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: VU028056.D

Acq: 12 Nov 2018 11:31

Instrument :

MSVOA_U

ClientSampleId :

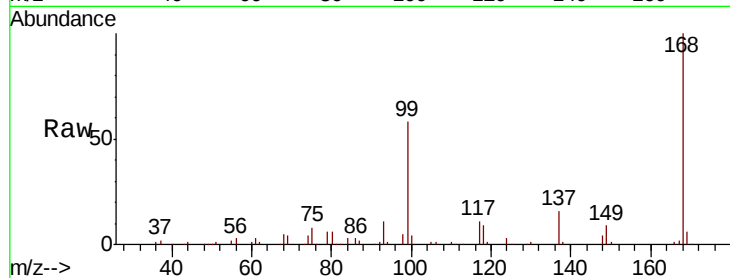
VU1112WBL01

Tot Ion:168 Resp: 175862

Ion Ratio Lower Upper

168 100

99 58.5 47.9 71.9



Abundance Ion 167.90 (167.60 to 168.60): VU027906.D (-1168) (-)

Ion 98.90 (98.60 to 99.60): VU028056.D (-1092) (-)

4.99

80000

60000

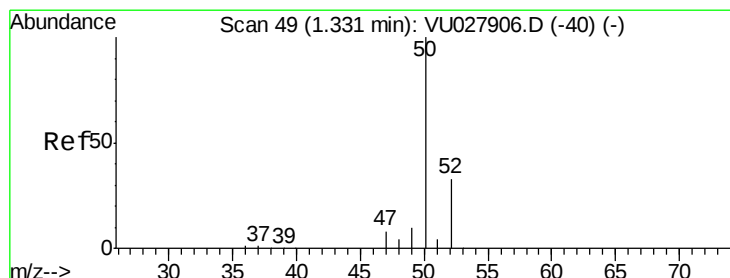
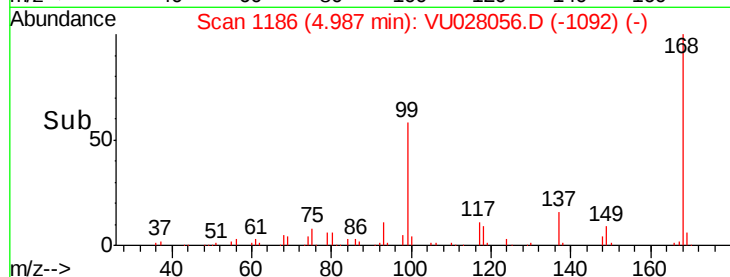
40000

20000

0

4.90 5.00 5.10

Time-->



#3

Chloromethane

Concen: 0.350 ug/l

RT: 1.33 min Scan# 50

Delta R.T. 0.00 min

Lab File: VU028056.D

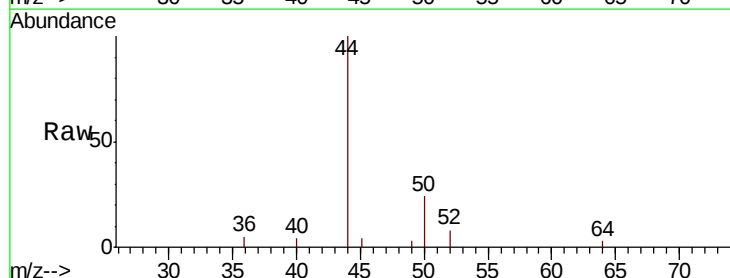
Acq: 12 Nov 2018 11:31

Tgt Ion: 50 Resp: 947

Ion Ratio Lower Upper

50 100

52 34.3 26.2 39.4



Abundance Ion 49.90 (49.60 to 50.60): VU027906.D (-40) (-)

Ion 51.90 (51.60 to 52.60): VU028056.D (-1) (-)

1.33

1000

800

600

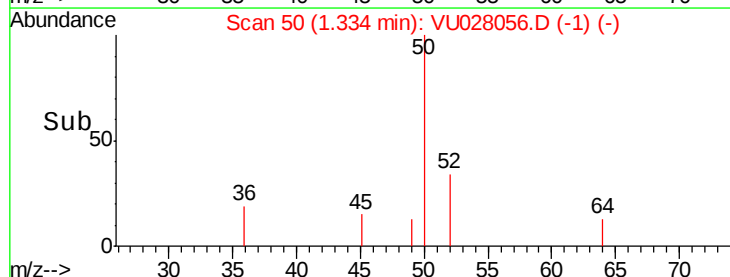
400

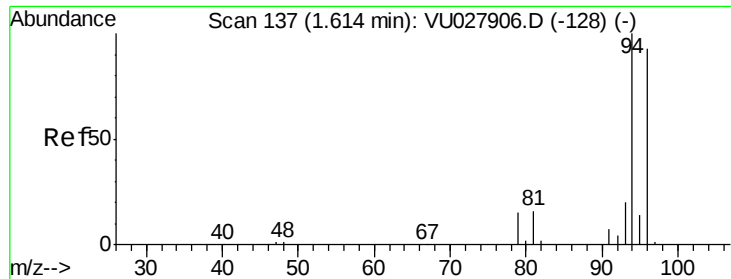
200

0

1.30 1.32 1.34 1.36

Time-->





#5

Bromomethane

Concen: 0.339 ug/l

RT: 1.62 min Scan# 140

Delta R.T. 0.01 min

Lab File: VU028056.D

Acq: 12 Nov 2018 11:31

Instrument :

MSVOA_U

ClientSampleId :

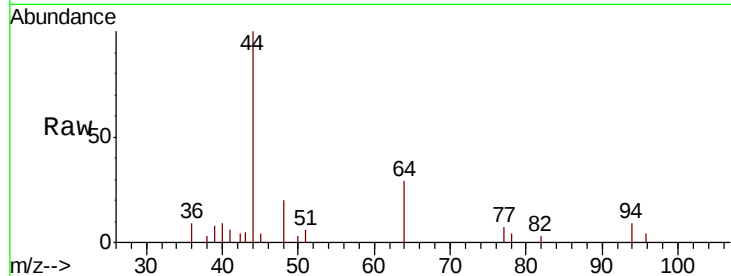
VU1112WBL01

Tot Ion: 94 Resp: 303

Ion Ratio Lower Upper

94 100

96 43.5 74.8 112.2#



Abundance Ion 93.90 (93.60 to 94.60): VU027906.D (-128) (-)

Ion 95.90 (95.60 to 96.60): VU028056.D (-44) (-)

1.62

250

200

150

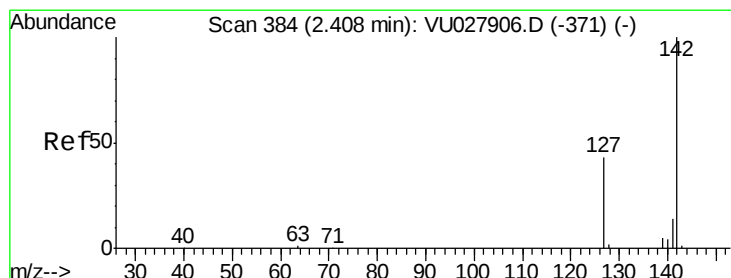
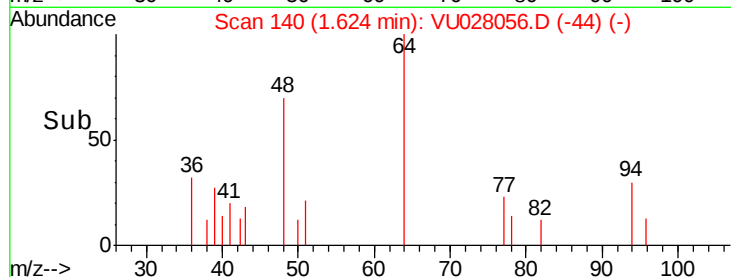
100

50

0

1.60 1.62 1.64 1.66

Time-->



#10

Methyl Iodide

Concen: 7.809 ug/l

RT: 2.42 min Scan# 387

Delta R.T. 0.01 min

Lab File: VU028056.D

Acq: 12 Nov 2018 11:31

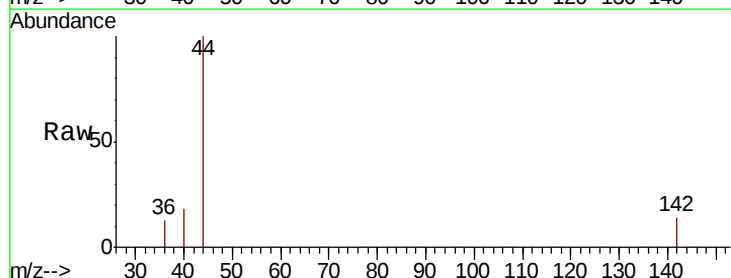
Tgt Ion: 142 Resp: 98

Ion Ratio Lower Upper

142 100

127 74.5 35.2 52.8#

141 0.0 11.8 17.8#



Abundance Ion 141.80 (141.50 to 142.50): VU027906.D (-371) (-)

Ion 126.80 (126.50 to 127.50): VU028056.D (-291) (-)

Ion 140.80 (140.50 to 141.50): VU028056.D (-291) (-)

2.42

200

150

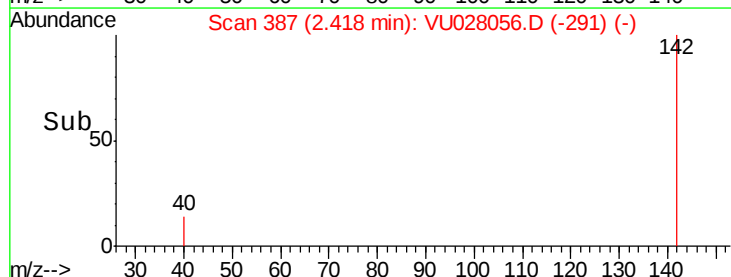
100

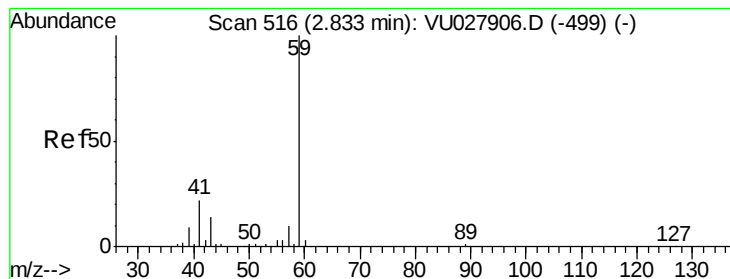
50

0

2.40 2.41 2.42 2.43

Time-->



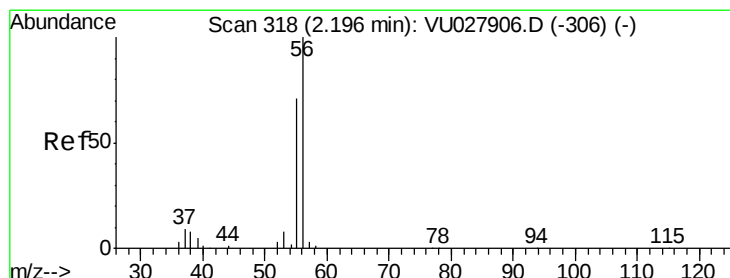
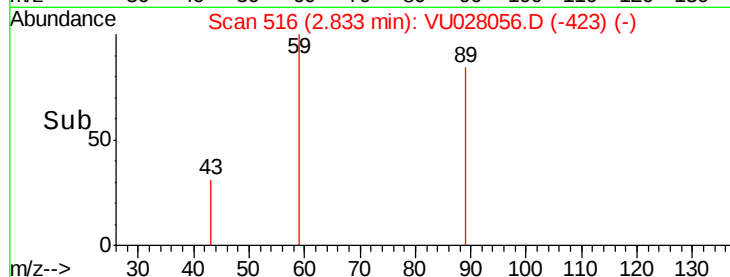
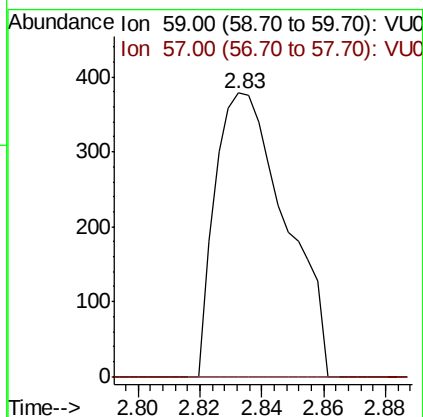
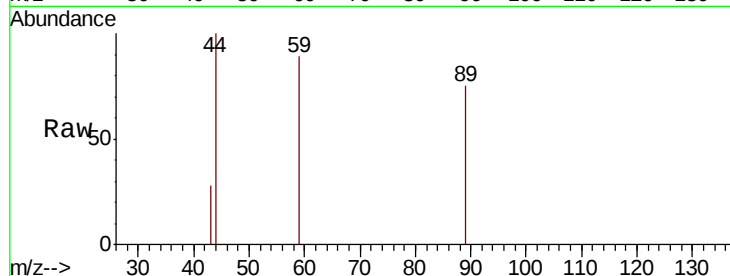


#11

Tert butyl alcohol
 Concen: 0.865 ug/l
 RT: 2.83 min Scan# 516
 Delta R.T. -0.00 min
 Lab File: VU028056.D
 Acq: 12 Nov 2018 11:31

Instrument :
 MSVOA_U
 ClientSampleId :
 VU1112WBL01

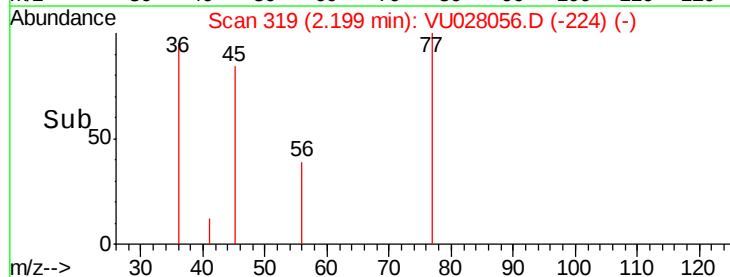
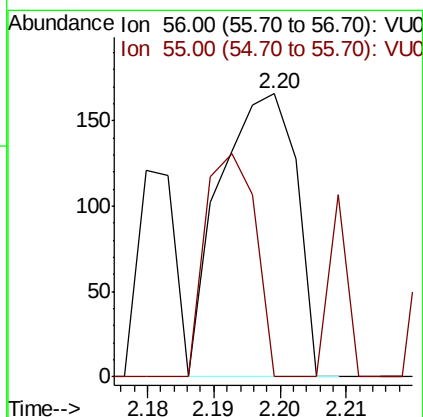
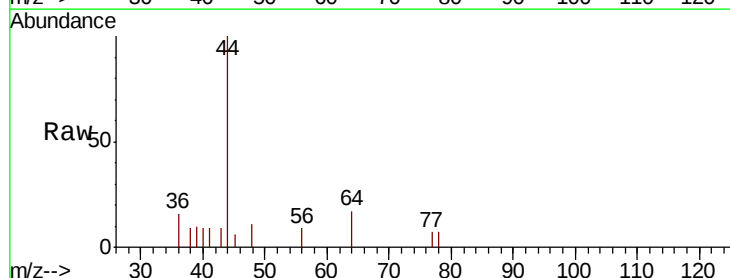
Tot Ion: 59 Resp: 599
 Ion Ratio Lower Upper
 59 100
 57 0.0 7.8 11.8#

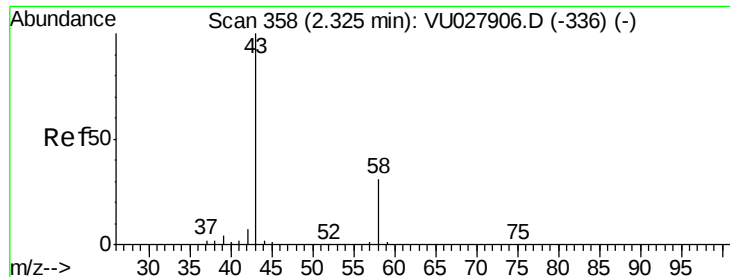


#13

Acrolein
 Concen: Below Cal
 RT: 2.20 min Scan# 319
 Delta R.T. 0.00 min
 Lab File: VU028056.D
 Acq: 12 Nov 2018 11:31

Tgt Ion: 56 Resp: 133
 Ion Ratio Lower Upper
 56 100
 55 51.9 56.2 84.4#





#16

Acetone

Concen: 0.475 ug/l

RT: 2.32 min Scan# 358

Delta R.T. -0.00 min

Lab File: VU028056.D

Acq: 12 Nov 2018 11:31

Instrument :

MSVOA_U

ClientSampleId :

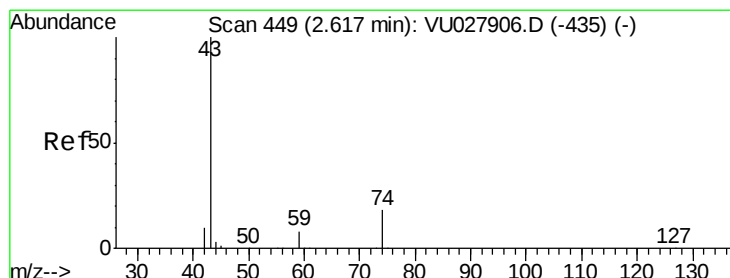
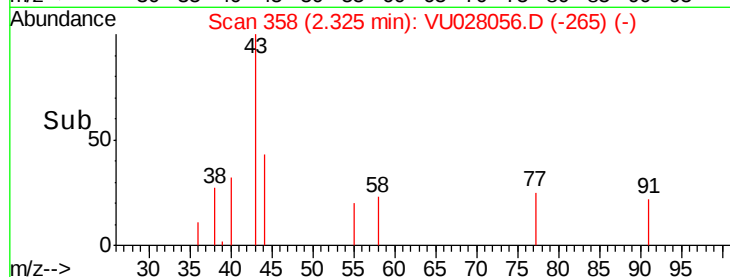
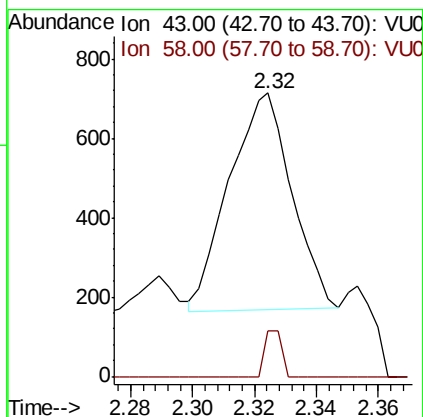
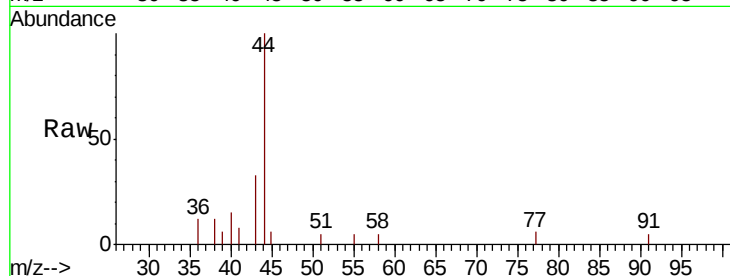
VU1112WBL01

Tot Ion: 43 Resp: 770

Ion Ratio Lower Upper

43 100

58 21.2 24.6 37.0#



#18

Methyl Acetate

Concen: 0.305 ug/l

RT: 2.62 min Scan# 451

Delta R.T. 0.01 min

Lab File: VU028056.D

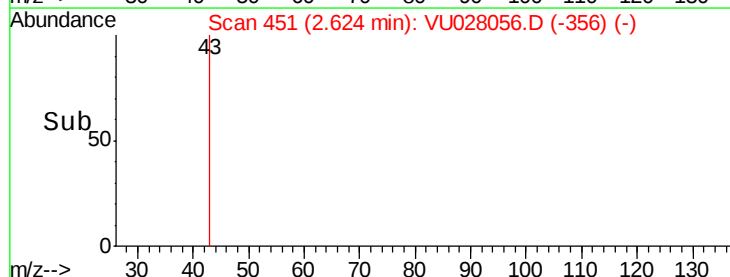
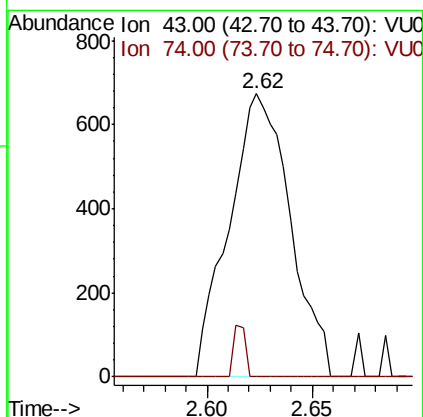
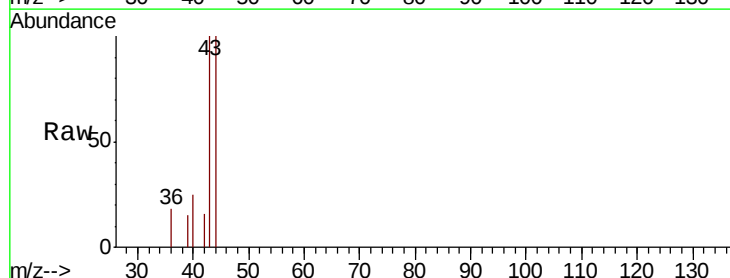
Acq: 12 Nov 2018 11:31

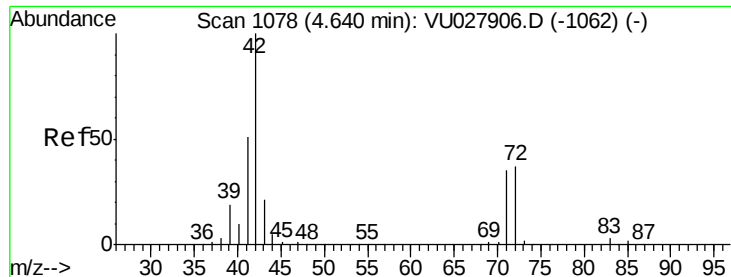
Tgt Ion: 43 Resp: 1361

Ion Ratio Lower Upper

43 100

74 3.5 14.9 22.3#

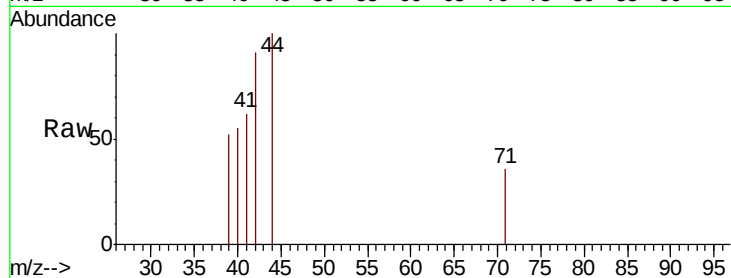




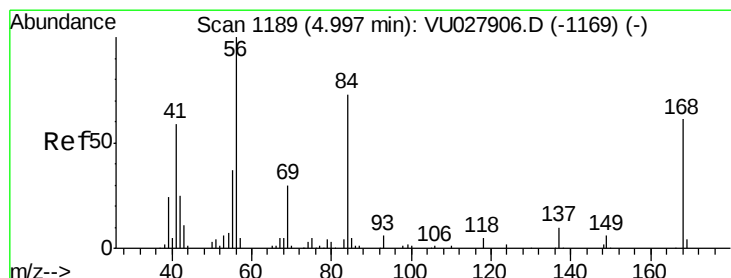
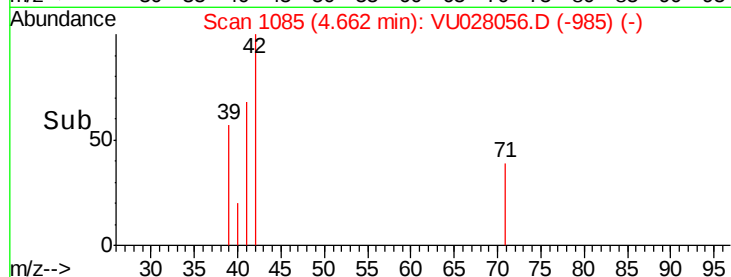
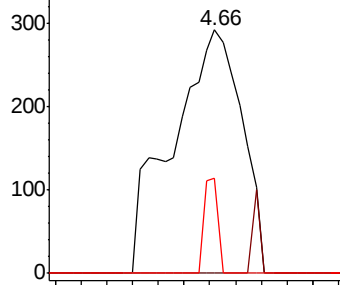
#29
Tetrahydrofuran
Concen: 0.319 ug/l
RT: 4.66 min Scan# 1085
Delta R.T. 0.02 min
Lab File: VU028056.D
Acq: 12 Nov 2018 11:31

Instrument :
MSVOA_U
ClientSampleId :
VU1112WBL01

Tot Ion: 42 Resp: 549
Ion Ratio Lower Upper
42 100
72 3.5 29.4 44.0#
71 7.8 27.9 41.9#

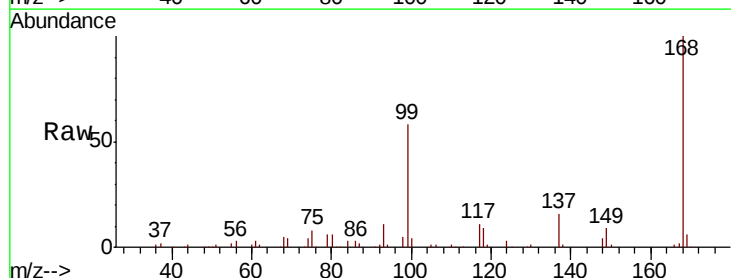


Abundance Ion 42.00 (41.70 to 42.70): VU0
Ion 72.00 (71.70 to 72.70): VU0
Ion 71.00 (70.70 to 71.70): VU0

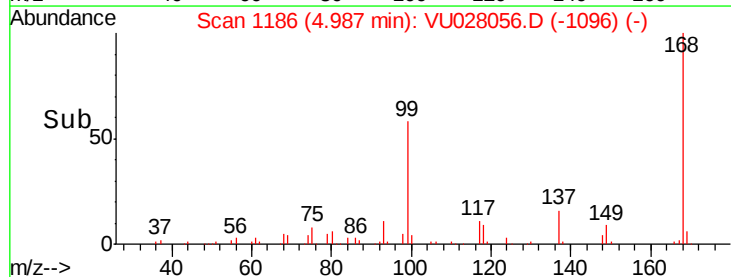
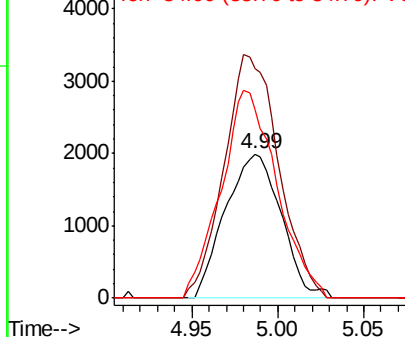


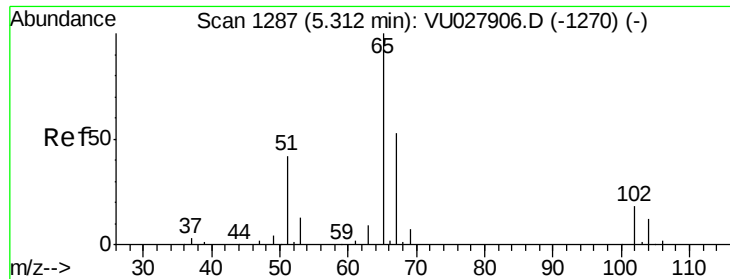
#31
Cyclohexane
Concen: Below Cal
RT: 4.99 min Scan# 1186
Delta R.T. -0.01 min
Lab File: VU028056.D
Acq: 12 Nov 2018 11:31

Tgt Ion: 56 Resp: 4508
Ion Ratio Lower Upper
56 100
69 159.9 23.7 35.5#
84 130.9 58.2 87.4#



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

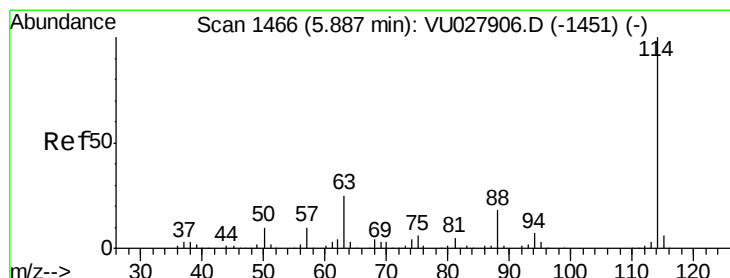
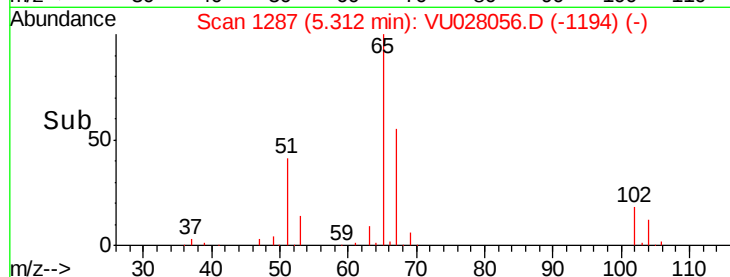
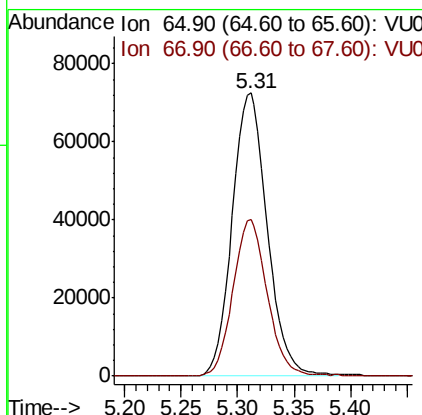
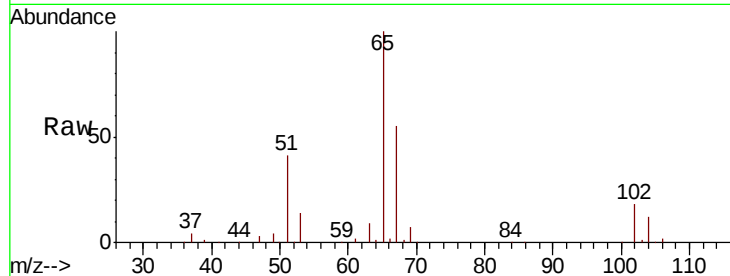




#33
 1,2-Dichloroethane-d4
 Concen: 59.836 ug/l
 RT: 5.31 min Scan# 1287
 Delta R.T. -0.00 min
 Lab File: VU028056.D
 Acq: 12 Nov 2018 11:31

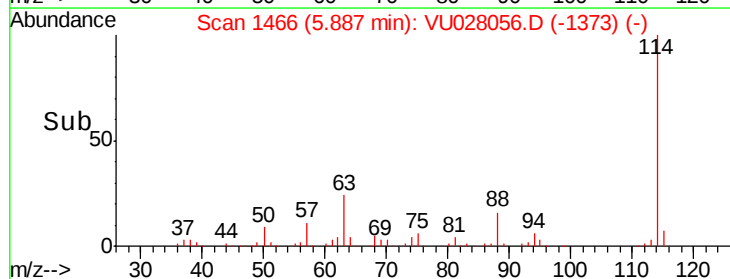
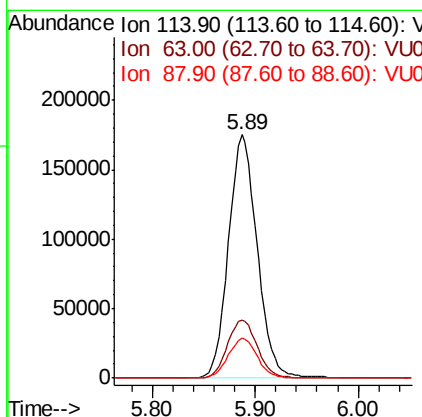
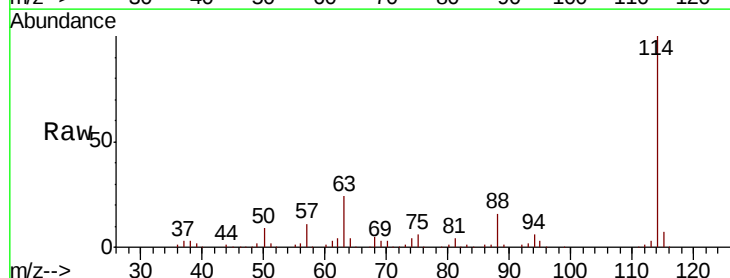
Instrument :
 MSVOA_U
 ClientSampleId :
 VU1112WBL01

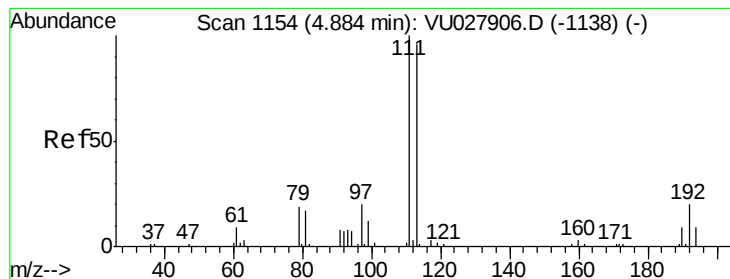
Tot Ion: 65 Resp: 156449
 Ion Ratio Lower Upper
 65 100
 67 54.0 0.0 109.0



#34
 1,4-Difluorobenzene
 Concen: 50.000 ug/l
 RT: 5.89 min Scan# 1466
 Delta R.T. -0.00 min
 Lab File: VU028056.D
 Acq: 12 Nov 2018 11:31

Tgt Ion: 114 Resp: 339649
 Ion Ratio Lower Upper
 114 100
 63 23.7 0.0 50.8
 88 16.2 0.0 35.8





#35

Dibromofluoromethane

Concen: 52.479 ug/l

RT: 4.88 min Scan# 1154

Delta R.T. -0.00 min

Lab File: VU028056.D

Acq: 12 Nov 2018 11:31

Instrument :

MSVOA_U

ClientSampleId :

VU1112WBL01

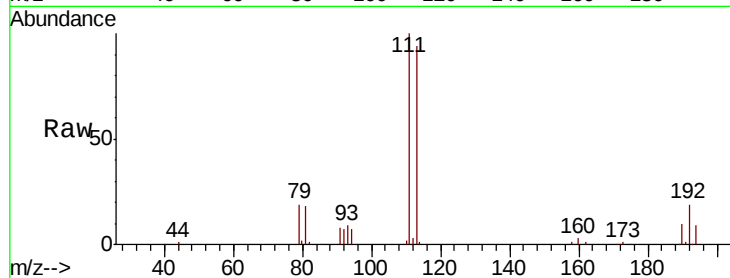
Tot Ion:113 Resp: 112386

Ion Ratio Lower Upper

113 100

111 103.7 83.0 124.6

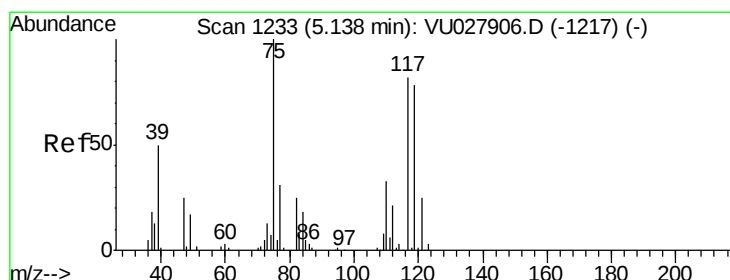
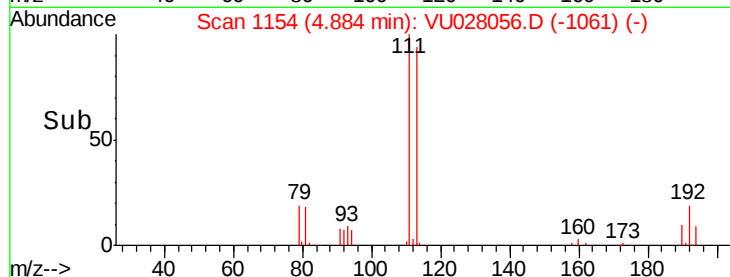
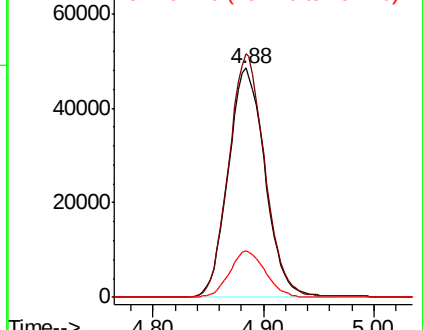
192 19.6 15.6 23.4



Abundance Ion 112.80 (112.50 to 113.50): V

Ion 110.80 (110.50 to 111.50): V

Ion 191.70 (191.40 to 192.40): V



#36

1,1-Dichloropropene

Concen: 4.372 ug/l

RT: 4.98 min Scan# 1185

Delta R.T. -0.15 min

Lab File: VU028056.D

Acq: 12 Nov 2018 11:31

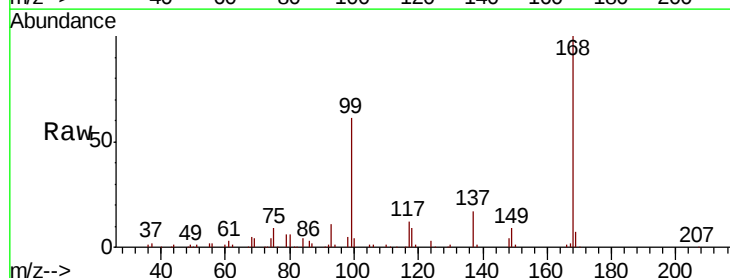
Tgt Ion: 75 Resp: 15552

Ion Ratio Lower Upper

75 100

110 7.0 16.5 49.5#

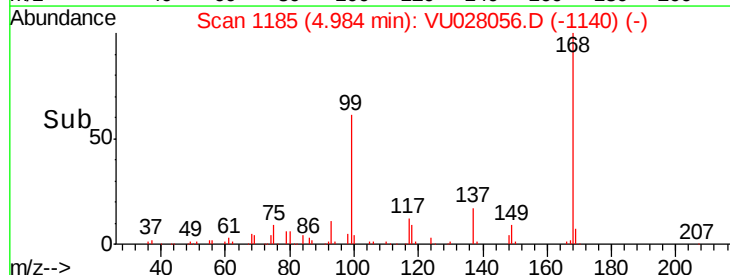
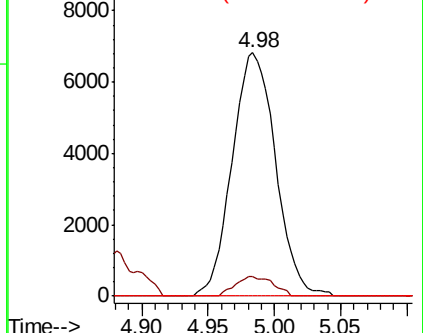
77 0.0 24.9 37.3#

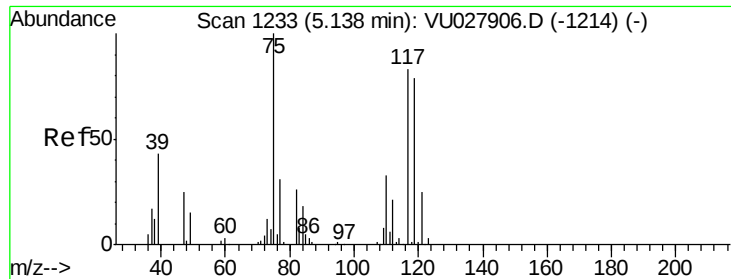


Abundance Ion 74.90 (74.60 to 75.60): VU0

Ion 109.90 (109.60 to 110.60): V

Ion 76.90 (76.60 to 77.60): VU0





#38

Carbon Tetrachloride

Concen: 5.954 ug/l

RT: 4.98 min Scan# 1185

Delta R.T. -0.15 min

Lab File: VU028056.D

Acq: 12 Nov 2018 11:31

Instrument :

MSVOA_U

ClientSampleId :

VU1112WBL01

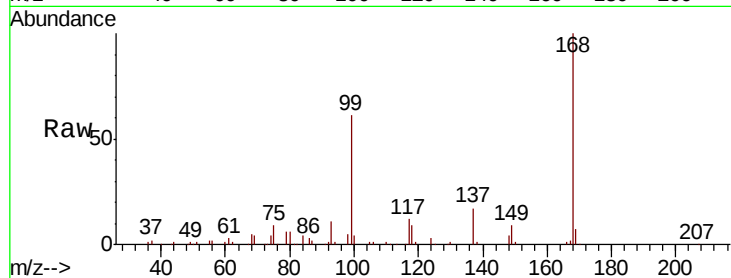
Tot Ion:117 Resp: 18770

Ion Ratio Lower Upper

117 100

119 5.1 76.0 114.0#

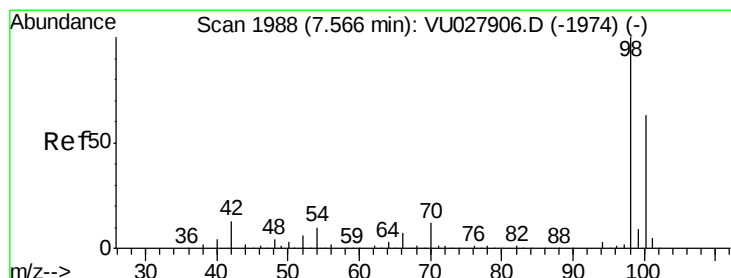
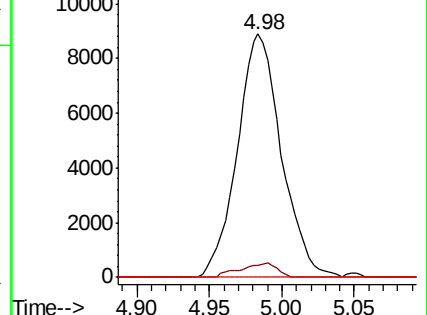
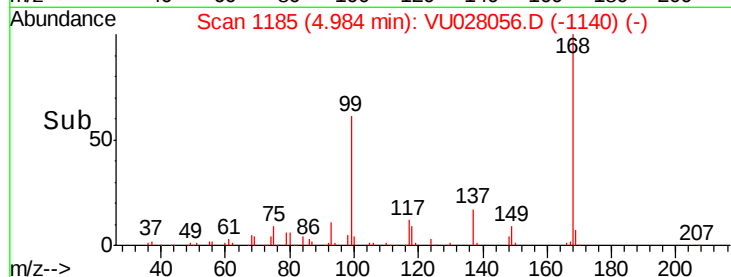
121 0.0 24.5 36.7#



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: 53.502 ug/l

RT: 7.57 min Scan# 1988

Delta R.T. -0.00 min

Lab File: VU028056.D

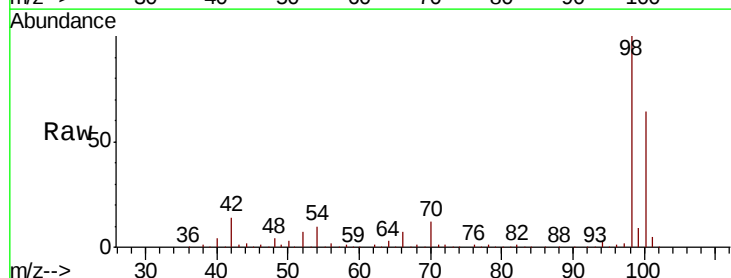
Acq: 12 Nov 2018 11:31

Tgt Ion: 98 Resp: 442598

Ion Ratio Lower Upper

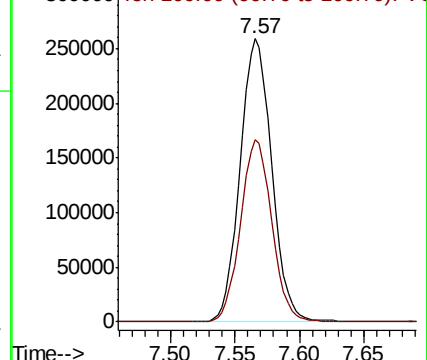
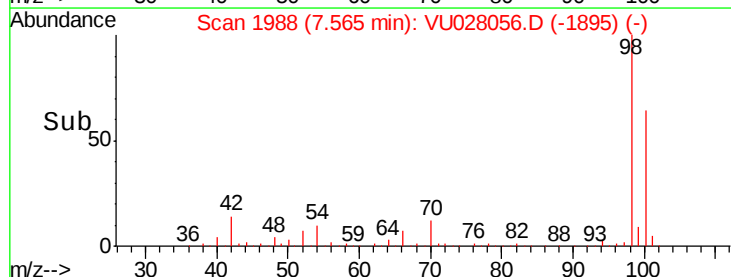
98 100

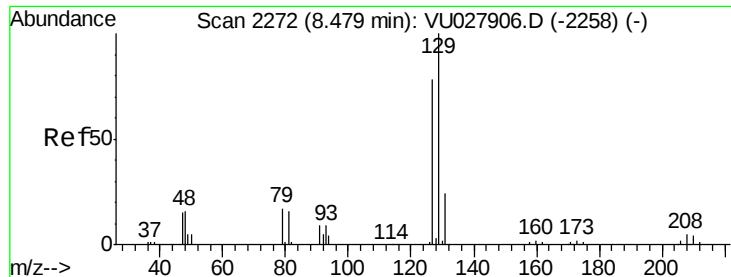
100 63.8 50.1 75.1



Abundance Ion 98.00 (97.70 to 98.70): VU0

Ion 100.00 (99.70 to 100.70): VU

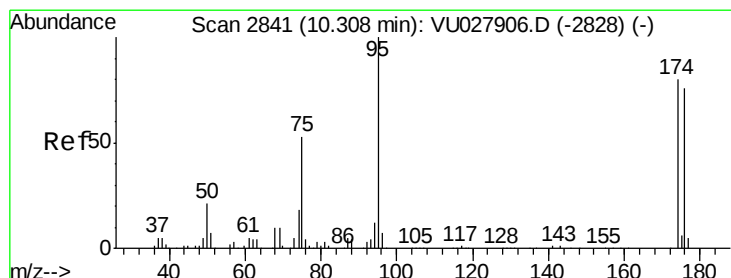
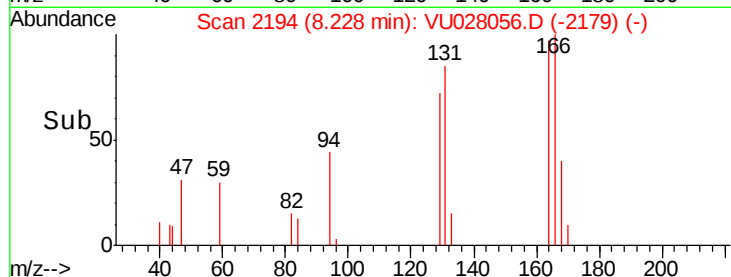
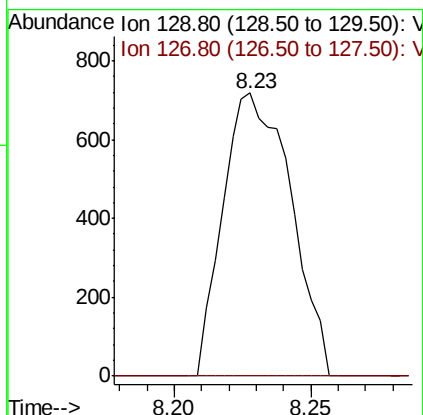
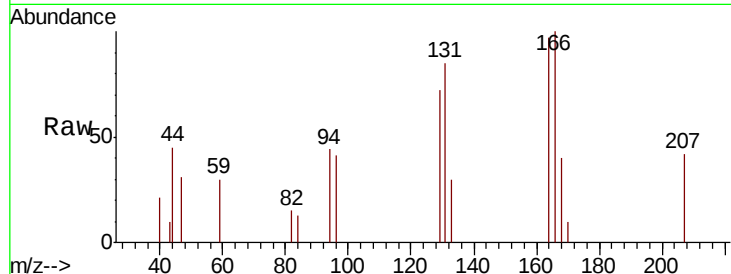




#60
Dibromochloromethane
Concen: 0.504 ug/l
RT: 8.23 min Scan# 2194
Delta R.T. -0.25 min
Lab File: VU028056.D
Acq: 12 Nov 2018 11:31

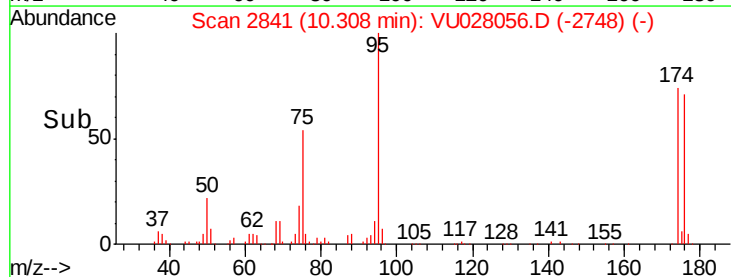
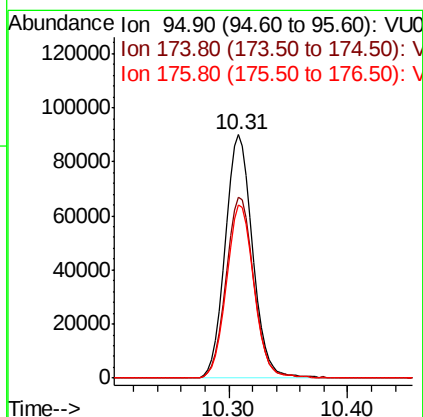
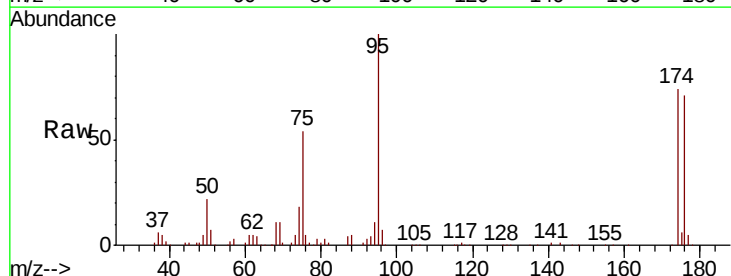
Instrument :
MSVOA_U
ClientSampleId :
VU1112WBL01

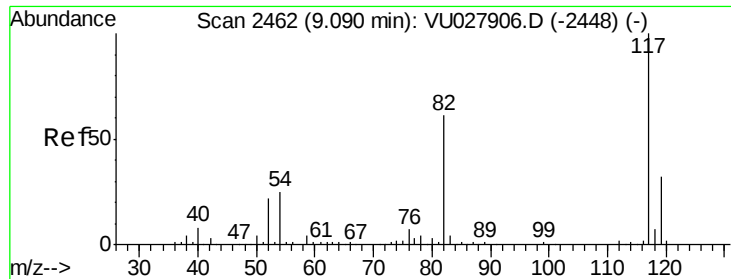
Tot Ion:129 Resp: 1240
Ion Ratio Lower Upper
129 100
127 0.0 39.2 117.6#



#62
4-Bromofluorobenzene
Concen: 47.005 ug/l
RT: 10.31 min Scan# 2841
Delta R.T. -0.00 min
Lab File: VU028056.D
Acq: 12 Nov 2018 11:31

Tgt Ion: 95 Resp: 143426
Ion Ratio Lower Upper
95 100
174 75.6 0.0 156.4
176 71.9 0.0 150.8

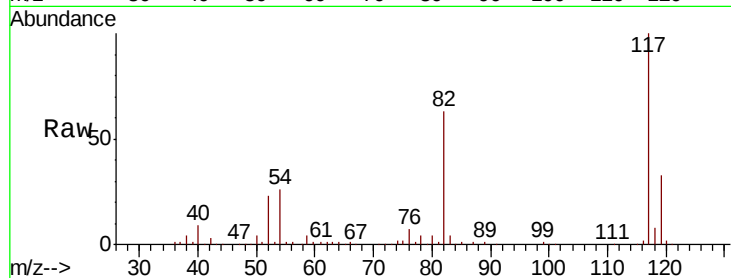




#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 9.09 min Scan# 2462
Delta R.T. -0.00 min
Lab File: VU028056.D
Acq: 12 Nov 2018 11:31

Instrument :
MSVOA_U
ClientSampleId :
VU1112WBL01

Tot Ion	Ratio	Lower	Upper
117	100		
82	62.5	48.6	73.0
119	32.6	25.8	38.8

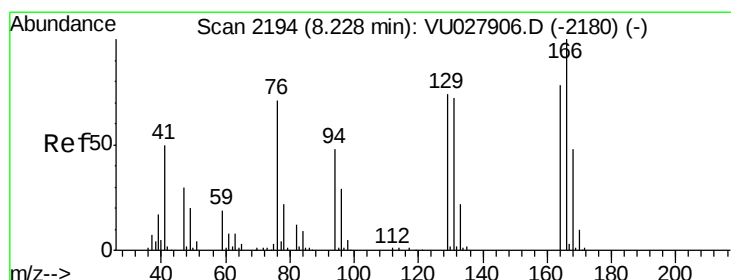
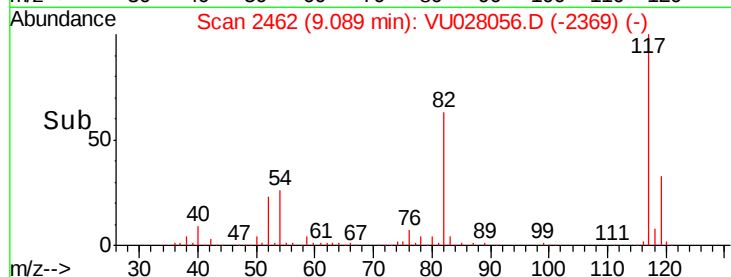
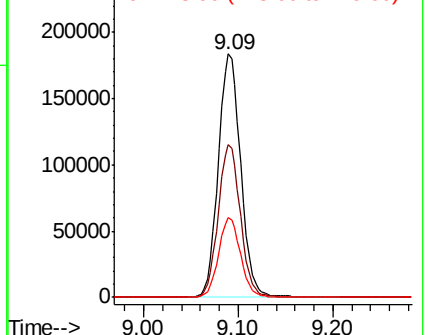


Abundance

Ion 116.90 (116.60 to 117.60): V

Ion 82.00 (81.70 to 82.70): V

Ion 118.90 (118.60 to 119.60): V



#64
Tetrachloroethene
Concen: 0.845 ug/l
RT: 8.23 min Scan# 2195
Delta R.T. 0.00 min
Lab File: VU028056.D
Acq: 12 Nov 2018 11:31

Tgt Ion	Ratio	Lower	Upper
164	100		
166	109.5	102.1	153.1
129	67.9	75.9	113.9
131	85.8	73.0	109.6

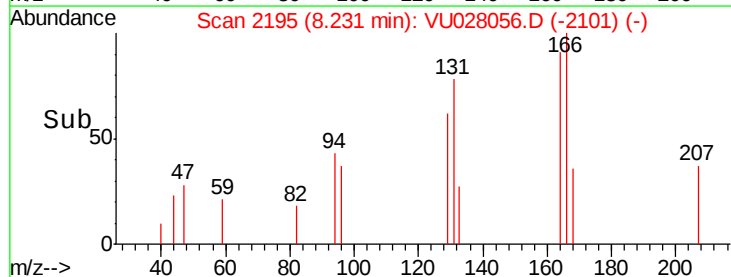
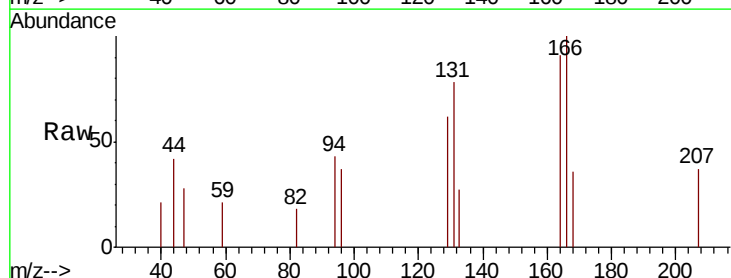
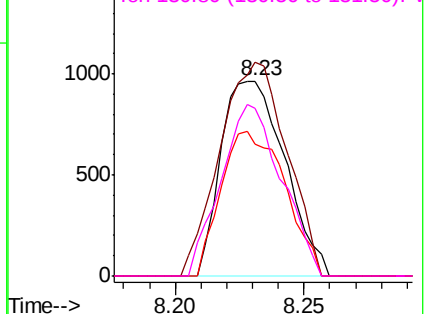
Abundance

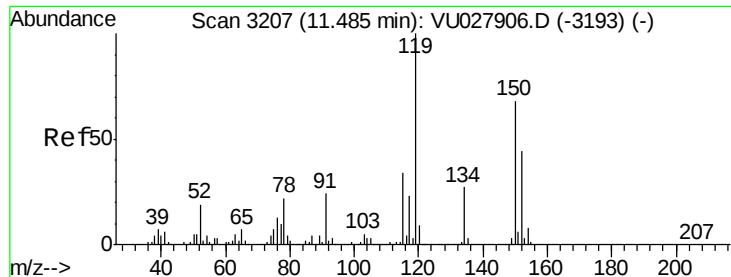
Ion 163.80 (163.50 to 164.50): V

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# 3207

Delta R.T. -0.00 min

Lab File: VU028056.D

Acq: 12 Nov 2018 11:31

Instrument :

MSVOA_U

ClientSampleId :

VU1112WBL01

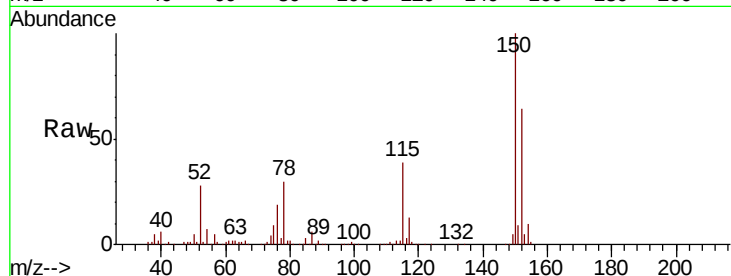
Tot Ion:152 Resp: 115572

Ion Ratio Lower Upper

152 100

115 60.4 43.0 129.0

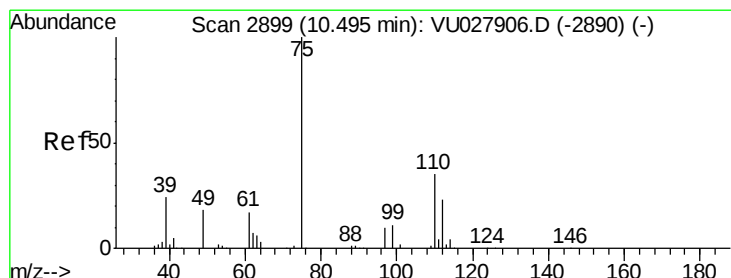
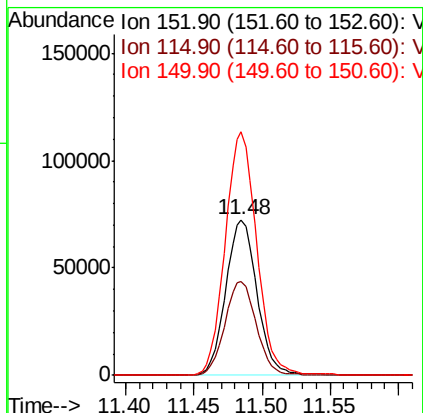
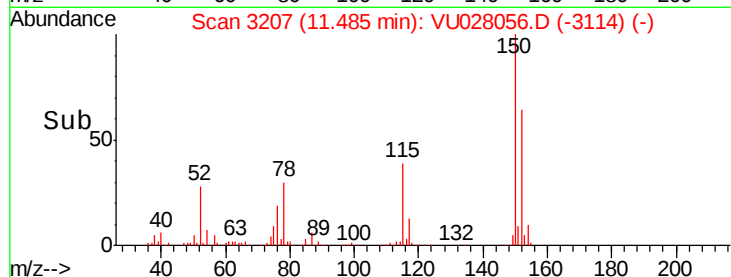
150 157.0 0.0 349.4



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: 24.099 ug/l

RT: 10.31 min Scan# 2841

Delta R.T. -0.19 min

Lab File: VU028056.D

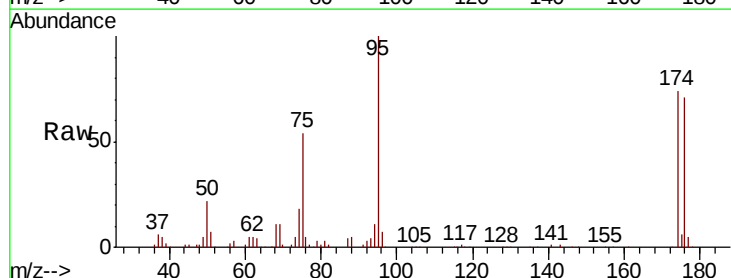
Acq: 12 Nov 2018 11:31

Tgt Ion: 75 Resp: 76182

Ion Ratio Lower Upper

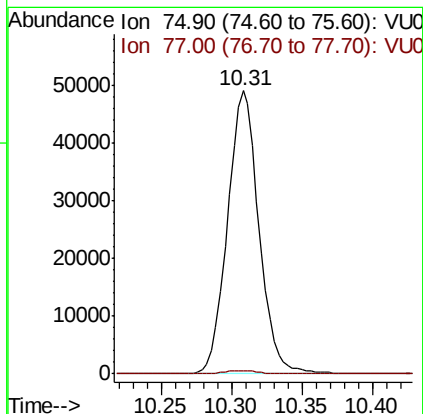
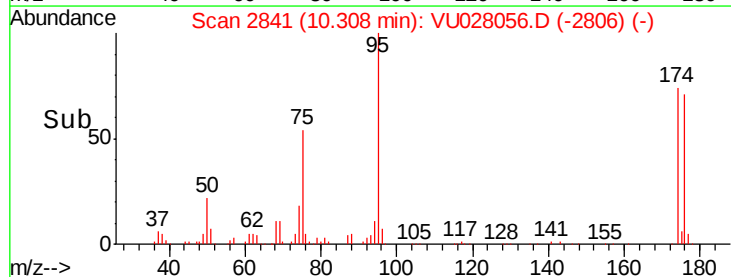
75 100

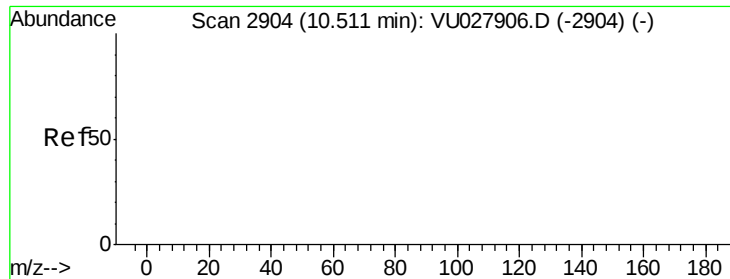
77 1.2 21.6 64.6#



Abundance Ion 74.90 (74.60 to 75.60): VU0

Ion 77.00 (76.70 to 77.70): VU0

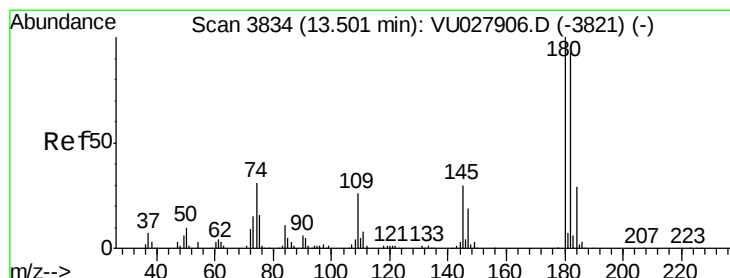
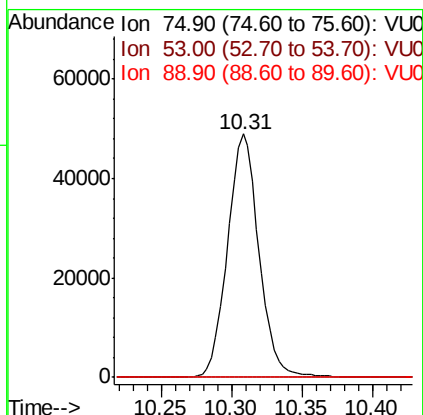
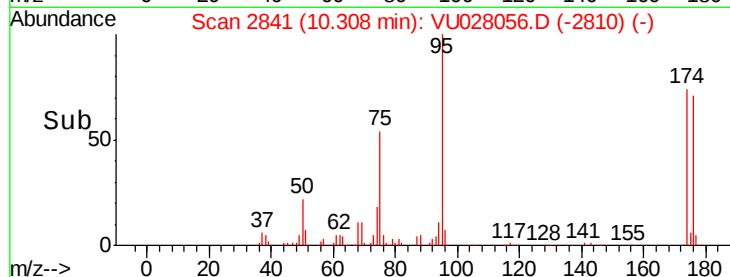
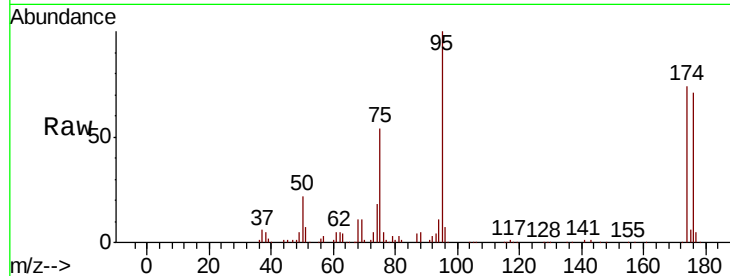




#81
trans-1,4-Dichloro-2-butene
Concen: 60.116 ug/l
RT: 10.31 min Scan# 2841
Delta R.T. -0.20 min
Lab File: VU028056.D
Acq: 12 Nov 2018 11:31

Instrument :
MSVOA_U
ClientSampleId :
VU1112WBL01

Tot Ion: 75 Resp: 76182
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: 0.763 ug/l
RT: 13.52 min Scan# 3840
Delta R.T. 0.02 min
Lab File: VU028056.D
Acq: 12 Nov 2018 11:31

Tgt Ion:180 Resp: 213
Ion Ratio Lower Upper
180 100
182 93.0 48.4 145.2
145 0.0 14.9 44.5#

