

Data Path : Z:\VOASRV\HPCHEM1\MSVOA U\DATA\VU111218\
 Data File : VU028058.D
 Acq On : 12 Nov 2018 12:32
 Operator : MD/SY
 Sample : J5885-08RE
 Misc : 5.0mL/MSVOA U/WATER
 ALS Vial : 5 Sample Multiplier: 1

Instrument :
 MSVOA_U
 ClientSampleId :
 MW-9

Quant Time: Nov 13 02:43:36 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	172643	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	5.89	114	332802	50.00	ug/l	0.00
63) Chlorobenzene-d5	9.09	117	299769	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	11.48	152	114324	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	151093	58.87	ug/l	0.00
Spiked Amount			Recovery	=	117.74%	
35) Dibromofluoromethane	4.88	113	110435	52.63	ug/l	0.00
Spiked Amount			Recovery	=	105.26%	
50) Toluene-d8	7.57	98	436521	53.85	ug/l	0.00
Spiked Amount			Recovery	=	107.70%	
62) 4-Bromofluorobenzene	10.31	95	141434	47.31	ug/l	0.00
Spiked Amount			Recovery	=	94.62%	

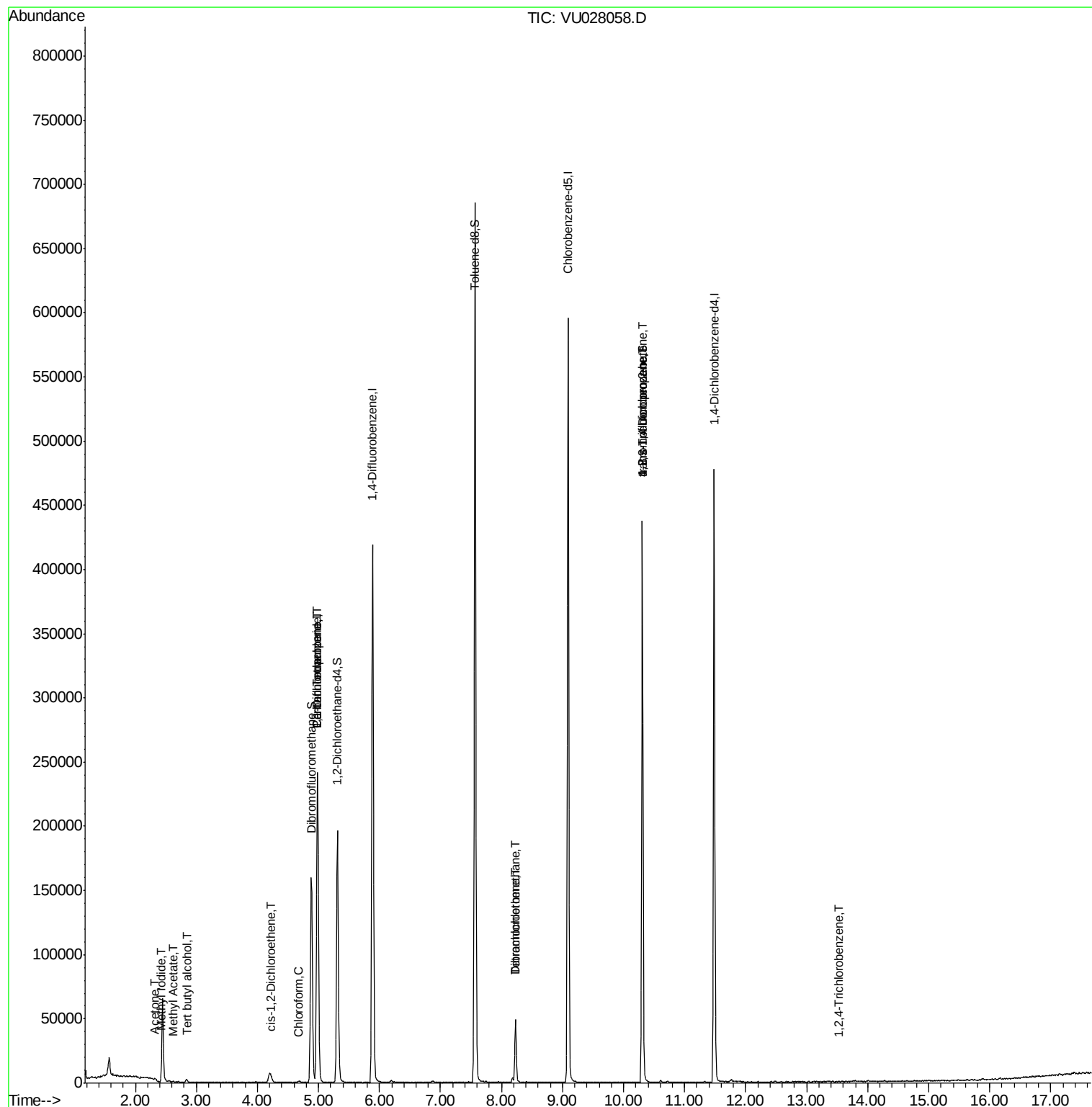
Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
10) Methyl Iodide	2.41	142	92	7.807	ug/l #	90
11) Tert butyl alcohol	2.84	59	1366	2.010	ug/l #	73
13) Acrolein	2.19	56	43	Below Cal	#	1
16) Acetone	2.33	43	2951	1.853	ug/l	95
18) Methyl Acetate	2.62	43	1033	0.236	ug/l #	58
27) cis-1,2-Dichloroethene	4.23	96	967	0.413	ug/l	75
30) Chloroform	4.68	83	946	0.227	ug/l	98
31) Cyclohexane	4.99	56	4510	Below Cal	#	9
36) 1,1-Dichloropropene	4.98	75	15272	4.382	ug/l #	49
38) Carbon Tetrachloride	4.98	117	17180	5.562	ug/l #	17
60) Dibromochloromethane	8.23	129	10367	4.298	ug/l #	10
64) Tetrachloroethene	8.23	164	10719	5.515	ug/l	94
76) 1,2,3-Trichloropropane	10.31	75	76014	24.308	ug/l #	34
81) trans-1,4-Dichloro-2-buten	10.31	75	76014	60.636	ug/l #	100
93) 1,2,4-Trichlorobenzene	13.52	180	42	0.700	ug/l #	1
95) Naphthalene	13.76	128	729	Below Cal	#	84

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

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#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 4.99 min Scan# 1186

Delta R.T. 0.00 min

Lab File: VU028058.D

Acq: 12 Nov 2018 12:32

Instrument :

MSVOA_U

ClientSampled :

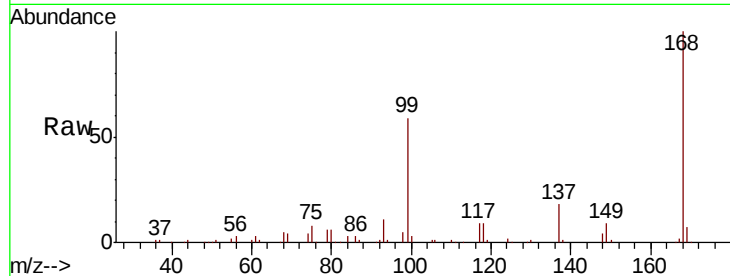
MW-9

Tot Ion:168 Resp: 172643

Ion Ratio Lower Upper

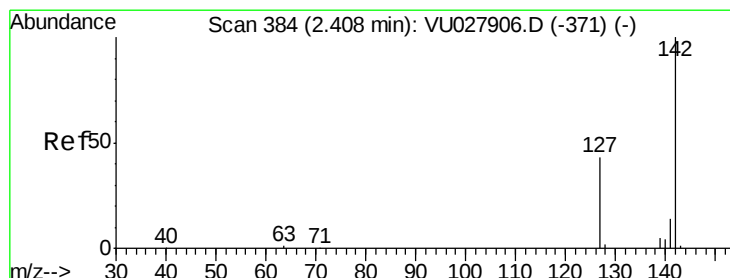
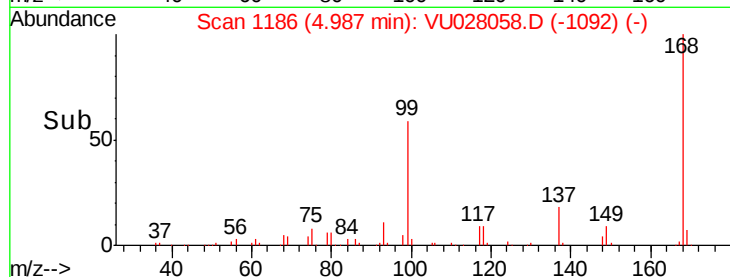
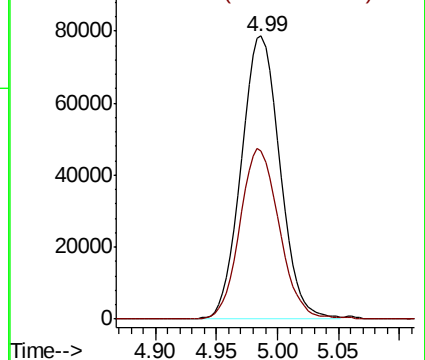
168 100

99 59.3 47.9 71.9



Abundance Ion 167.90 (167.60 to 168.60): V

Ion 98.90 (98.60 to 99.60): VU0



#10

Methyl Iodide

Concen: 7.807 ug/l

RT: 2.41 min Scan# 385

Delta R.T. 0.00 min

Lab File: VU028058.D

Acq: 12 Nov 2018 12:32

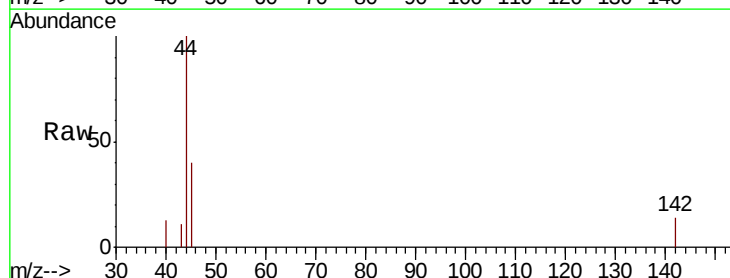
Tgt Ion:142 Resp: 92

Ion Ratio Lower Upper

142 100

127 44.6 35.2 52.8

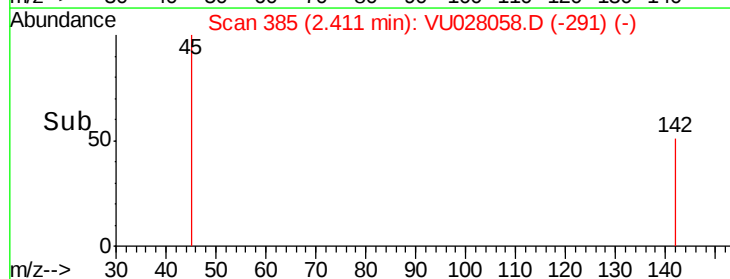
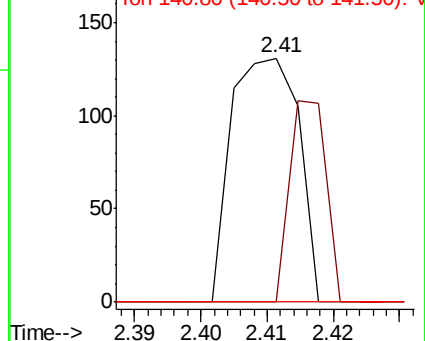
141 0.0 11.8 17.8#

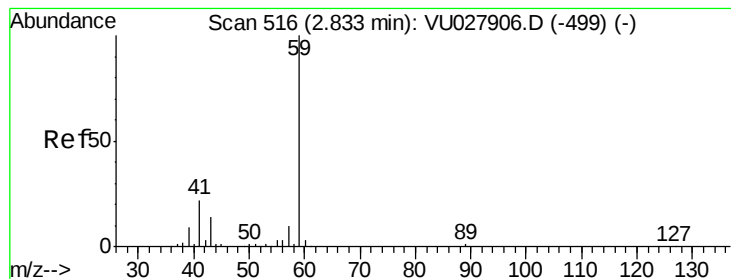


Abundance Ion 141.80 (141.50 to 142.50): V

Ion 126.80 (126.50 to 127.50): V

Ion 140.80 (140.50 to 141.50): V



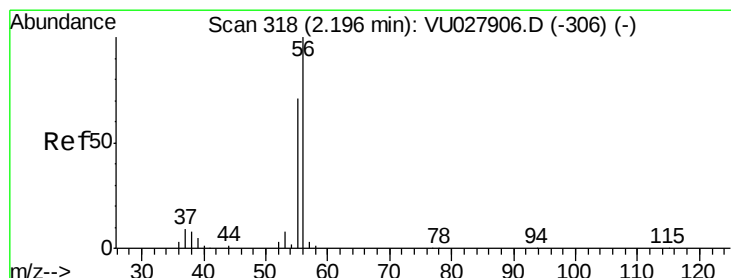
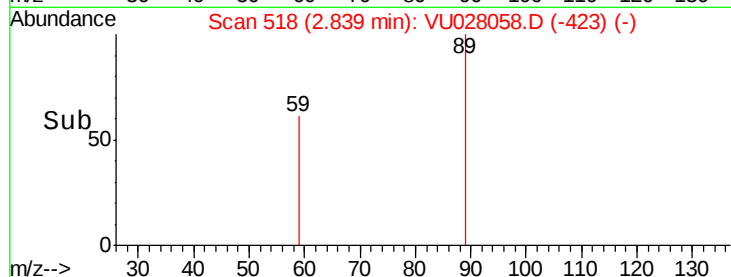
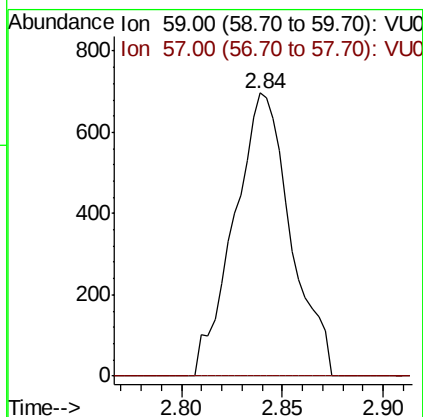
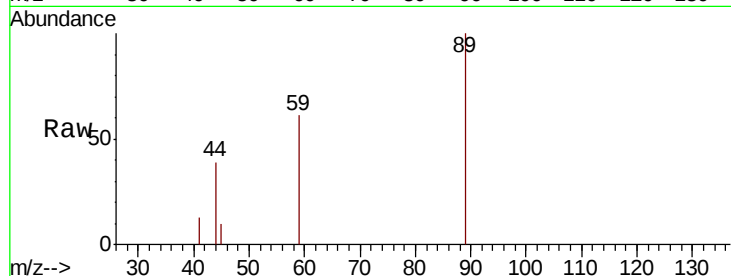


#11

Tert butyl alcohol
Concen: 2.010 ug/l
RT: 2.84 min Scan# 518
Delta R.T. 0.01 min
Lab File: VU028058.D
Acq: 12 Nov 2018 12:32

Instrument :
MSVOA_U
ClientSampled :
MW-9

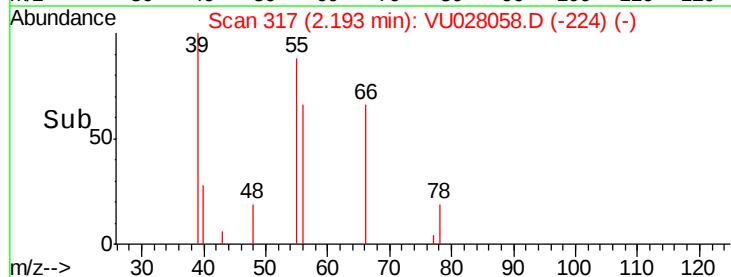
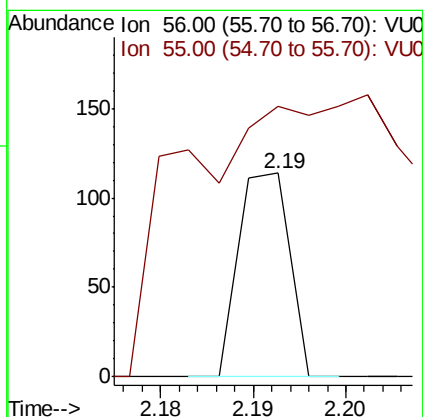
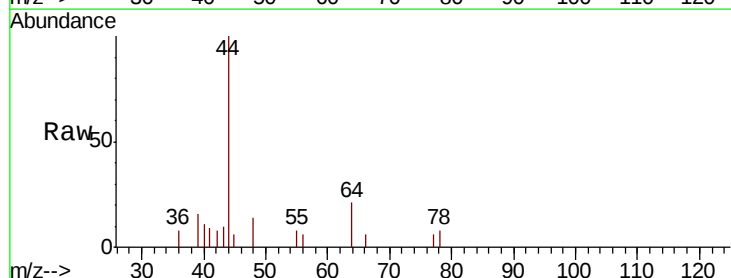
Tot Ion: 59 Resp: 1366
Ion Ratio Lower Upper
59 100
57 0.0 7.8 11.8#

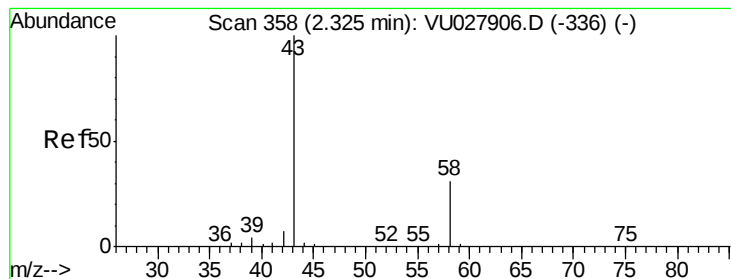


#13

Acrolein
Concen: Below Cal
RT: 2.19 min Scan# 317
Delta R.T. -0.00 min
Lab File: VU028058.D
Acq: 12 Nov 2018 12:32

Tgt Ion: 56 Resp: 43
Ion Ratio Lower Upper
56 100
55 602.3 56.2 84.4#





#16

Acetone

Concen: 1.853 ug/l

RT: 2.33 min Scan# 359

Delta R.T. 0.00 min

Lab File: VU028058.D

Acq: 12 Nov 2018 12:32

Instrument :

MSVOA_U

ClientSampleId :

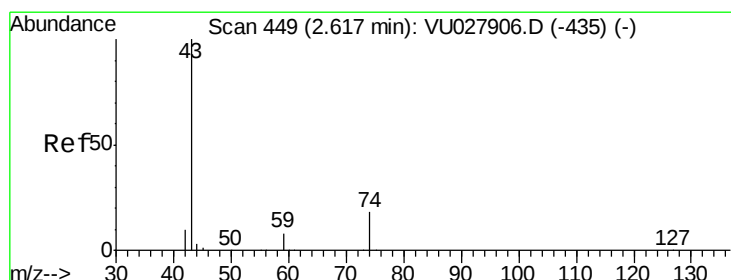
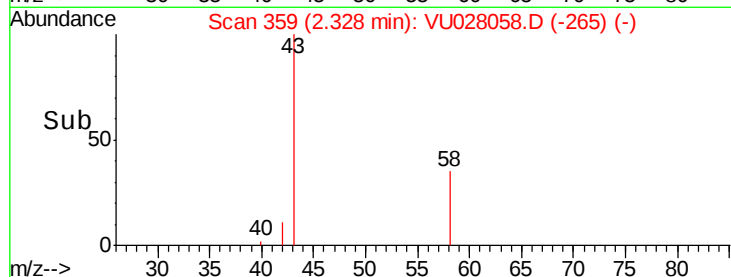
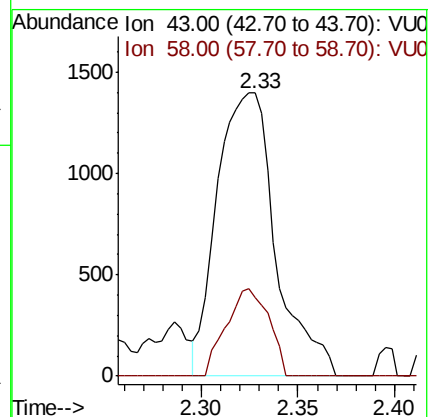
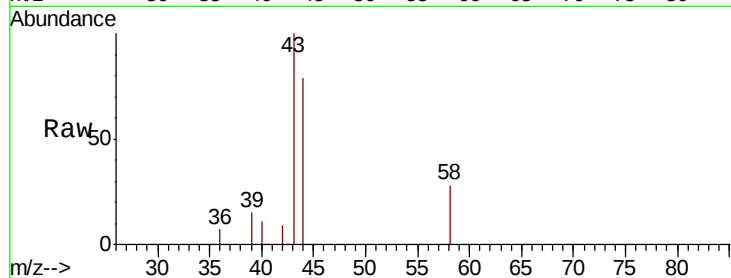
MW-9

Tot Ion: 43 Resp: 2951

Ion Ratio Lower Upper

43 100

58 27.8 24.6 37.0



#18

Methyl Acetate

Concen: 0.236 ug/l

RT: 2.62 min Scan# 451

Delta R.T. 0.01 min

Lab File: VU028058.D

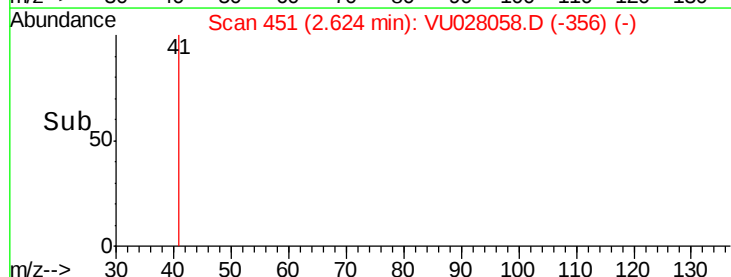
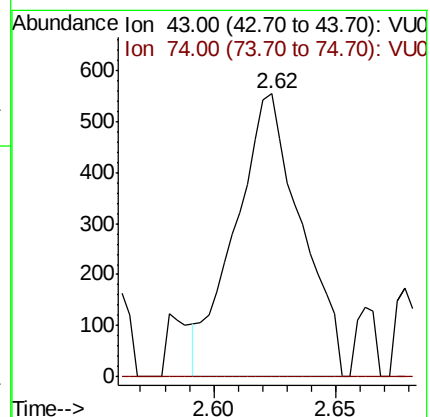
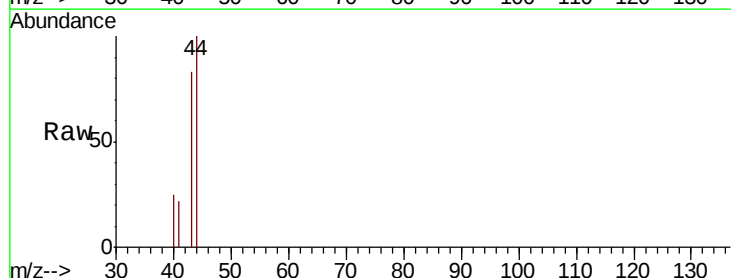
Acq: 12 Nov 2018 12:32

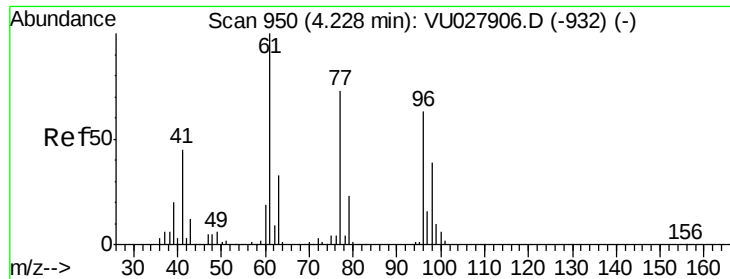
Tgt Ion: 43 Resp: 1033

Ion Ratio Lower Upper

43 100

74 0.0 14.9 22.3#

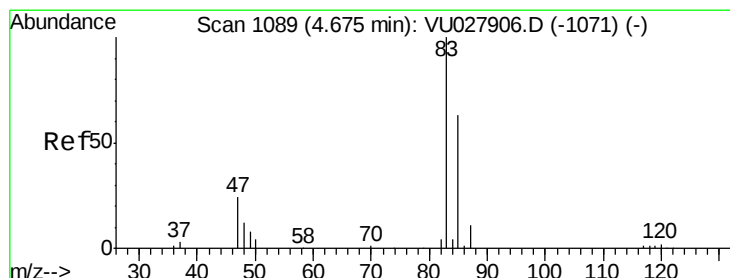
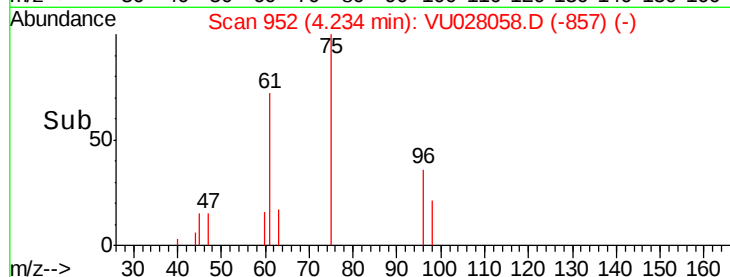
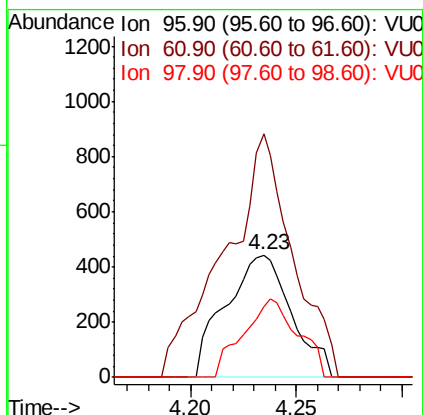
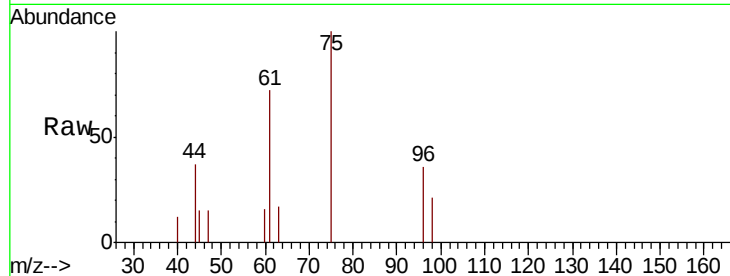




#27
 cis-1,2-Dichloroethene
 Concen: 0.413 ug/l
 RT: 4.23 min Scan# 952
 Delta R.T. 0.01 min
 Lab File: VU028058.D
 Acq: 12 Nov 2018 12:32

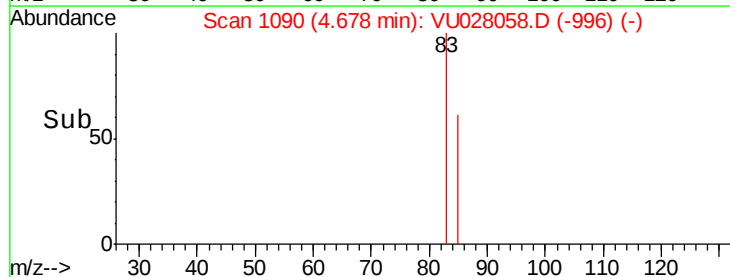
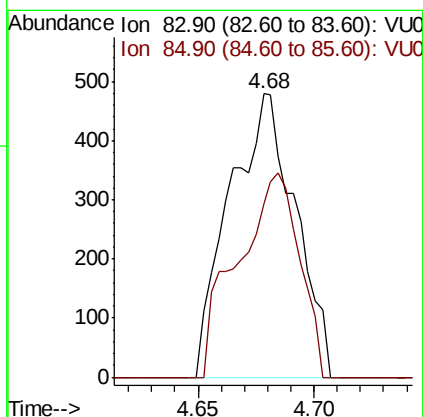
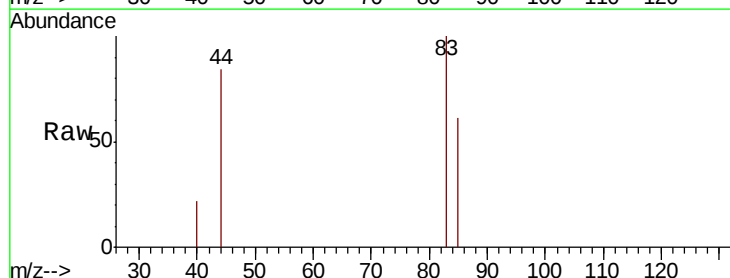
Instrument :
 MSVOA_U
 ClientSampled :
 MW-9

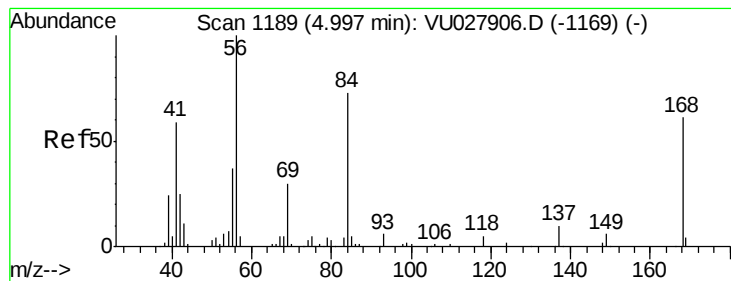
Tot Ion: 96 Resp: 967
 Ion Ratio Lower Upper
 96 100
 61 204.3 0.0 329.6
 98 52.9 0.0 127.2



#30
 Chloroform
 Concen: 0.227 ug/l
 RT: 4.68 min Scan# 1090
 Delta R.T. 0.00 min
 Lab File: VU028058.D
 Acq: 12 Nov 2018 12:32

Tgt Ion: 83 Resp: 946
 Ion Ratio Lower Upper
 83 100
 85 61.4 50.6 76.0





#31

Cyclohexane

Concen: Below Cal

RT: 4.99 min Scan# 1187

Delta R.T. -0.01 min

Lab File: VU028058.D

Acq: 12 Nov 2018 12:32

Instrument :

MSVOA_U

ClientSampleId :

MW-9

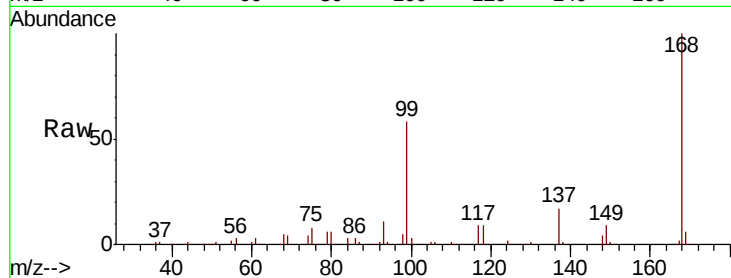
Tot Ion: 56 Resp: 4510

Ion Ratio Lower Upper

56 100

69 147.1 23.7 35.5#

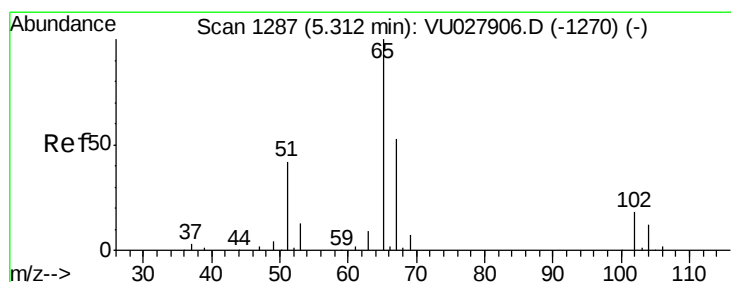
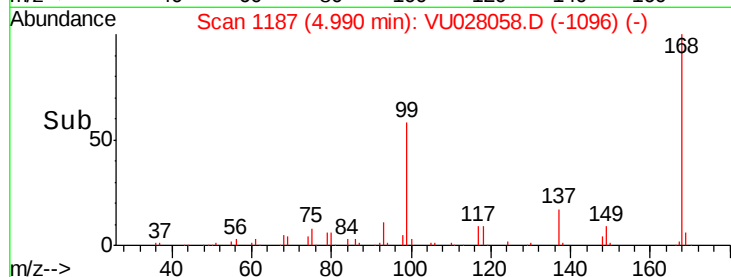
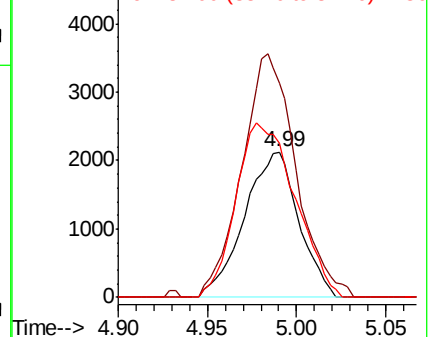
84 105.6 58.2 87.4#



Abundance Ion 56.00 (55.70 to 56.70): VU027906.D (-1169) (-)

Ion 69.00 (68.70 to 69.70): VU027906.D (-1169) (-)

Ion 84.00 (83.70 to 84.70): VU027906.D (-1169) (-)



#33

1,2-Dichloroethane-d4

Concen: 58.865 ug/l

RT: 5.31 min Scan# 1287

Delta R.T. -0.00 min

Lab File: VU028058.D

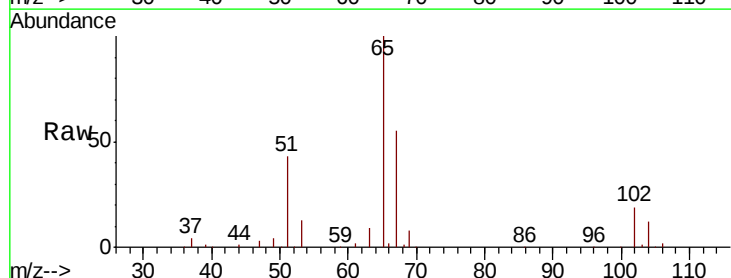
Acq: 12 Nov 2018 12:32

Tgt Ion: 65 Resp: 151093

Ion Ratio Lower Upper

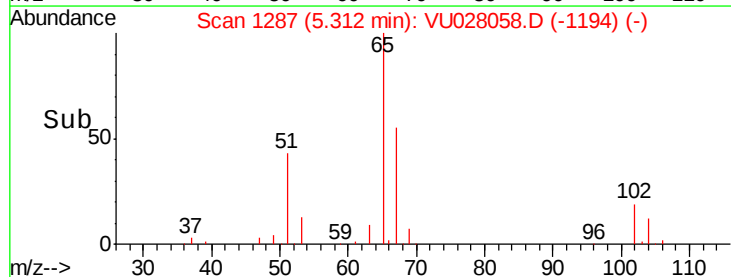
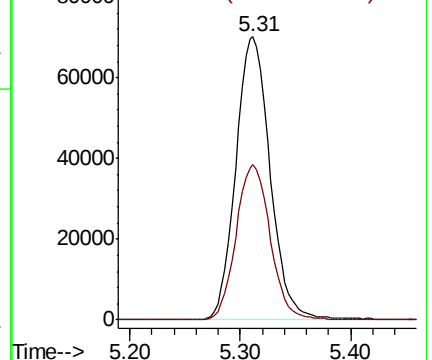
65 100

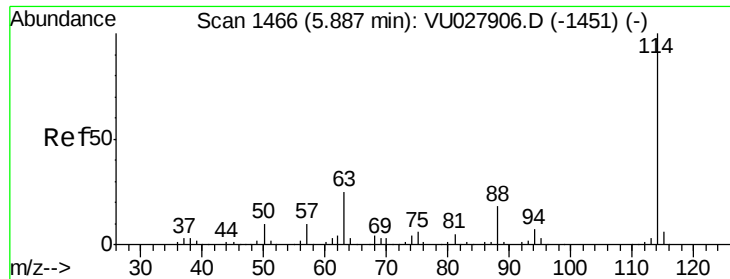
67 54.6 0.0 109.0



Abundance Ion 64.90 (64.60 to 65.60): VU027906.D (-1270) (-)

Ion 66.90 (66.60 to 67.60): VU027906.D (-1270) (-)

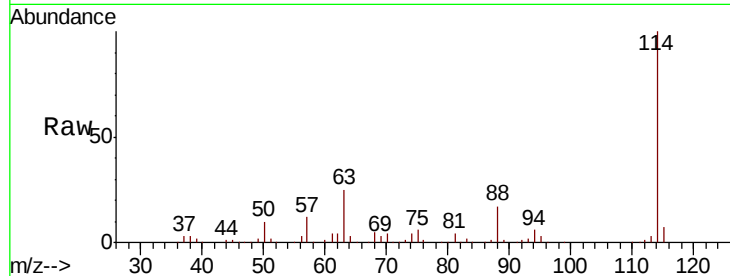




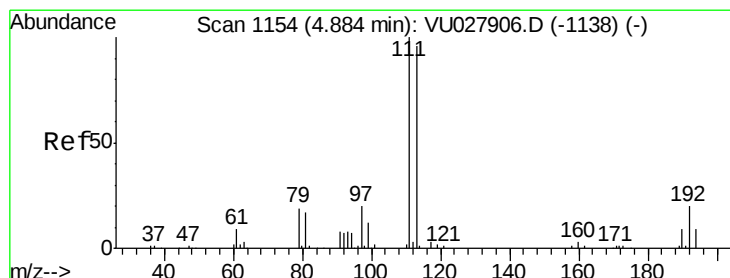
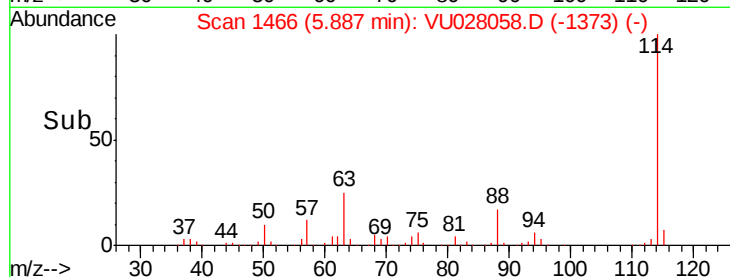
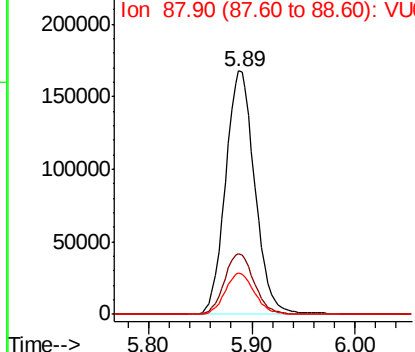
#34
 1,4-Difluorobenzene
 Concen: 50.000 ug/l
 RT: 5.89 min Scan# 1466
 Delta R.T. -0.00 min
 Lab File: VU028058.D
 Acq: 12 Nov 2018 12:32

Instrument :
 MSVOA_U
 ClientSampled :
 MW-9

Tot Ion:114 Resp: 332802
 Ion Ratio Lower Upper
 114 100
 63 24.7 0.0 50.8
 88 17.2 0.0 35.8

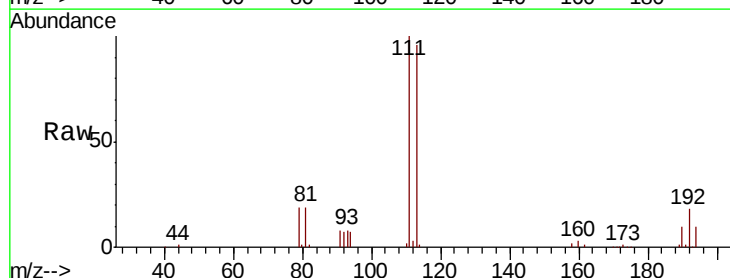


Abundance Ion 113.90 (113.60 to 114.60): V
 Ion 63.00 (62.70 to 63.70): VU0
 Ion 87.90 (87.60 to 88.60): VU0

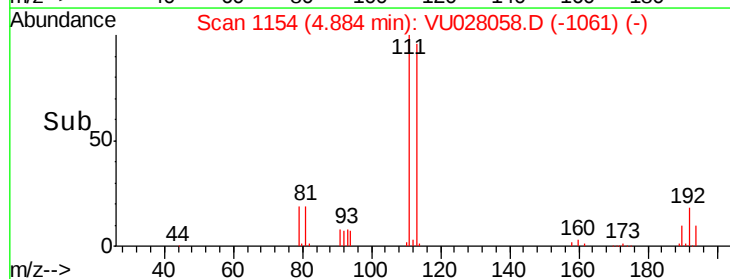
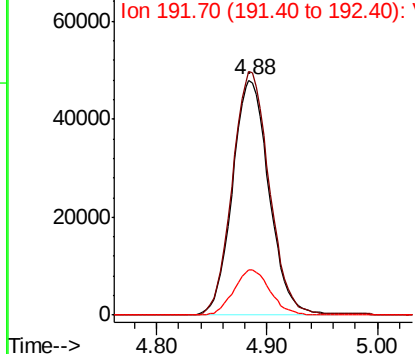


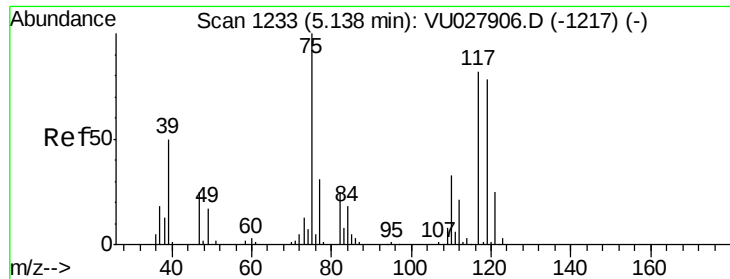
#35
 Dibromofluoromethane
 Concen: 52.629 ug/l
 RT: 4.88 min Scan# 1154
 Delta R.T. -0.00 min
 Lab File: VU028058.D
 Acq: 12 Nov 2018 12:32

Tgt Ion:113 Resp: 110435
 Ion Ratio Lower Upper
 113 100
 111 104.2 83.0 124.6
 192 19.1 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: 4.382 ug/l

RT: 4.98 min Scan# 1185

Delta R.T. -0.15 min

Lab File: VU028058.D

Acq: 12 Nov 2018 12:32

Instrument :

MSVOA_U

ClientSampleId :

MW-9

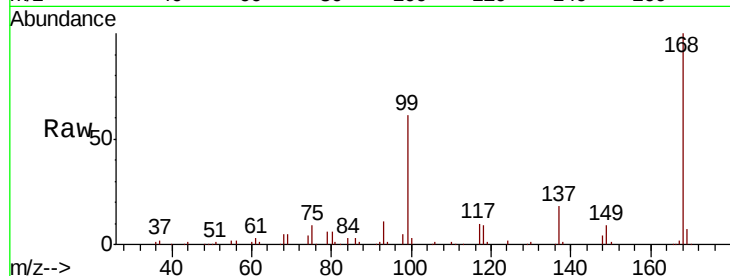
Tot Ion: 75 Resp: 15272

Ion Ratio Lower Upper

75 100

110 7.3 16.5 49.5#

77 0.0 24.9 37.3#

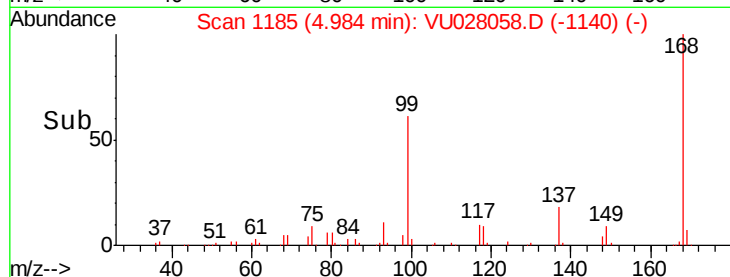


Abundance Ion 74.90 (74.60 to 75.60): VU027906.D (-1217) (-)

Ion 109.90 (109.60 to 110.60): VU027906.D (-1217) (-)

Ion 76.90 (76.60 to 77.60): VU027906.D (-1217) (-)

Time-->



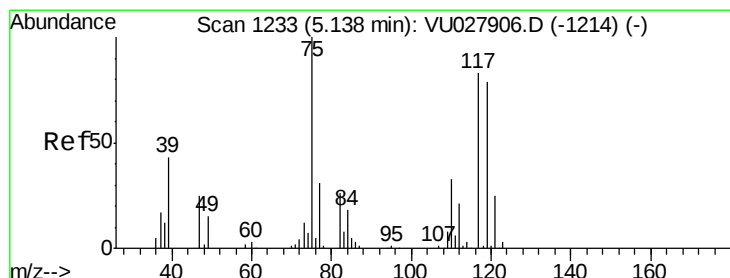
Abundance

Ion 74.90 (74.60 to 75.60): VU027906.D (-1217) (-)

Ion 109.90 (109.60 to 110.60): VU027906.D (-1217) (-)

Ion 76.90 (76.60 to 77.60): VU027906.D (-1217) (-)

Time-->



#38

Carbon Tetrachloride

Concen: 5.562 ug/l

RT: 4.98 min Scan# 1185

Delta R.T. -0.15 min

Lab File: VU028058.D

Acq: 12 Nov 2018 12:32

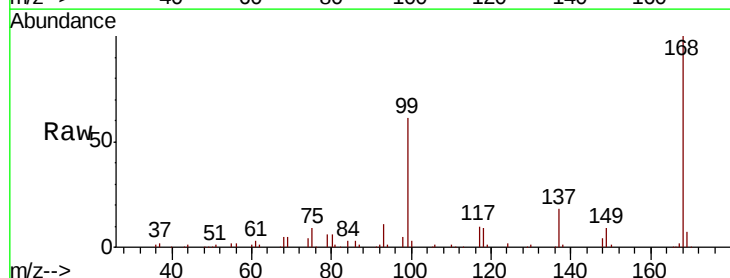
Tgt Ion: 117 Resp: 17180

Ion Ratio Lower Upper

117 100

119 5.5 76.0 114.0#

121 0.0 24.5 36.7#

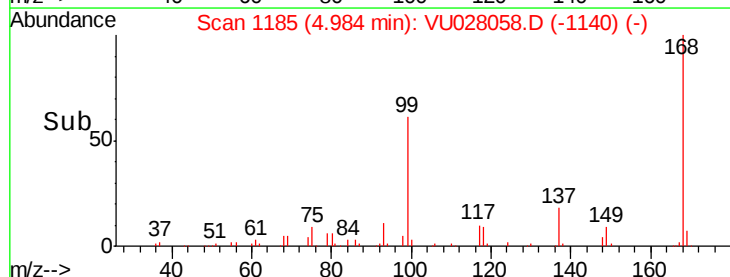


Abundance Ion 116.80 (116.50 to 117.50): VU027906.D (-1214) (-)

Ion 118.80 (118.50 to 119.50): VU027906.D (-1214) (-)

Ion 120.80 (120.50 to 121.50): VU027906.D (-1214) (-)

Time-->



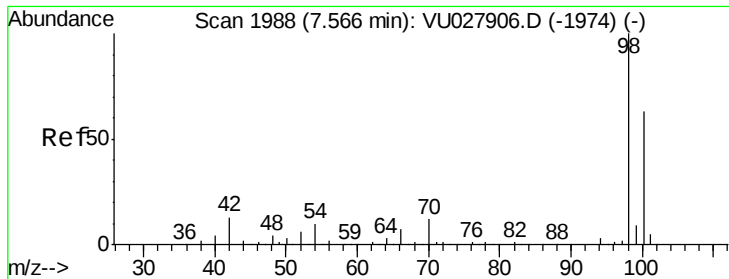
Abundance

Ion 116.80 (116.50 to 117.50): VU027906.D (-1214) (-)

Ion 118.80 (118.50 to 119.50): VU027906.D (-1214) (-)

Ion 120.80 (120.50 to 121.50): VU027906.D (-1214) (-)

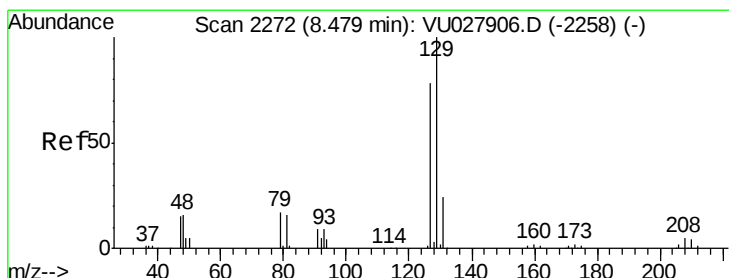
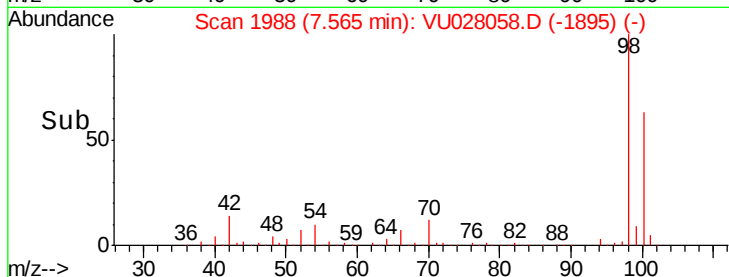
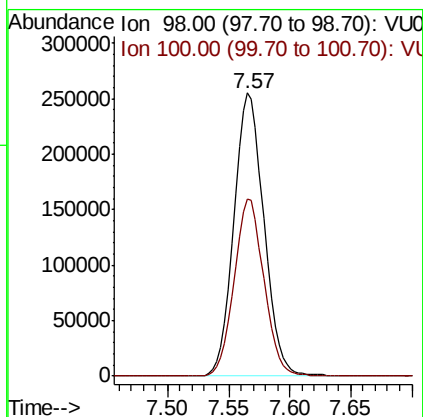
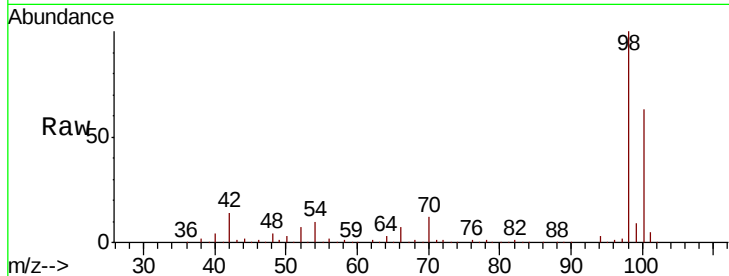
Time-->



#50
Toluene-d8
Concen: 53.853 ug/l
RT: 7.57 min Scan# 1988
Delta R.T. -0.00 min
Lab File: VU028058.D
Acq: 12 Nov 2018 12:32

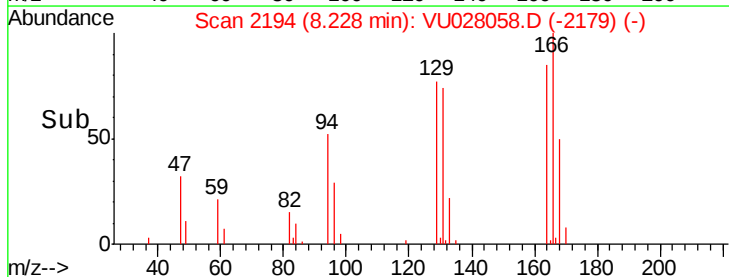
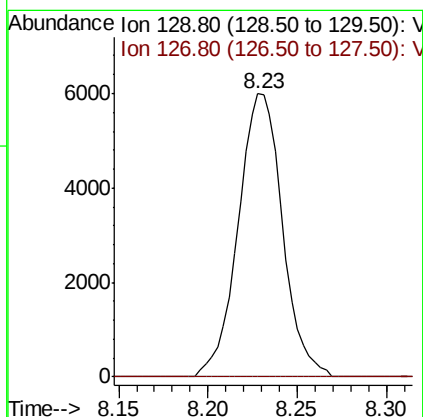
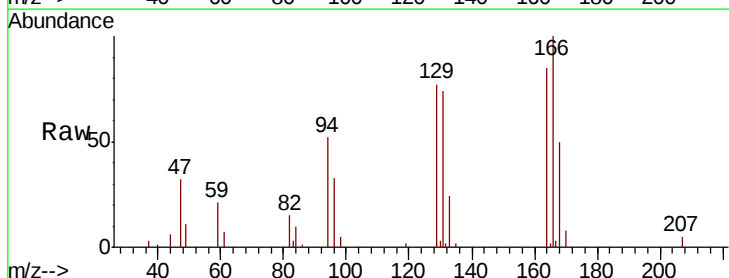
Instrument :
MSVOA_U
ClientSampled :
MW-9

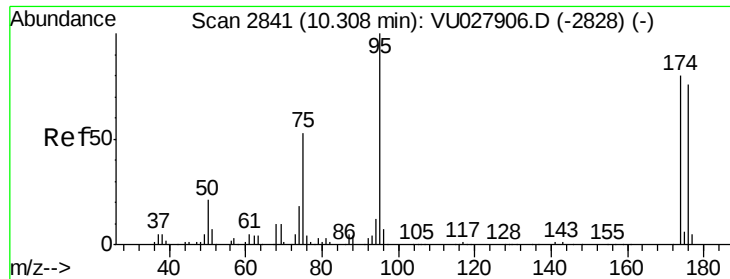
Tot Ion: 98 Resp: 436521
Ion Ratio Lower Upper
98 100
100 62.2 50.1 75.1



#60
Dibromochloromethane
Concen: 4.298 ug/l
RT: 8.23 min Scan# 2194
Delta R.T. -0.25 min
Lab File: VU028058.D
Acq: 12 Nov 2018 12:32

Tgt Ion: 129 Resp: 10367
Ion Ratio Lower Upper
129 100
127 0.0 39.2 117.6#





#62

4-Bromofluorobenzene

Concen: 47.306 ug/l

RT: 10.31 min Scan# 2841

Delta R.T. -0.00 min

Lab File: VU028058.D

Acq: 12 Nov 2018 12:32

Instrument :

MSVOA_U

ClientSampleId :

MW-9

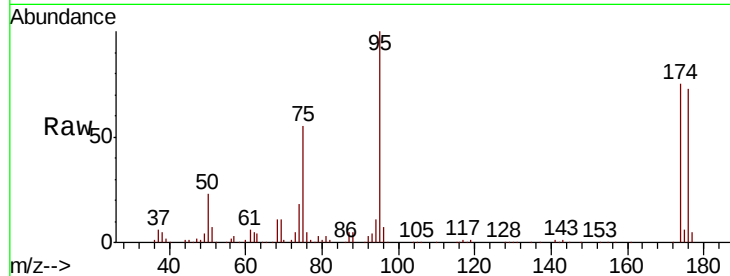
Tot Ion: 95 Resp: 141434

Ion Ratio Lower Upper

95 100

174 75.0 0.0 156.4

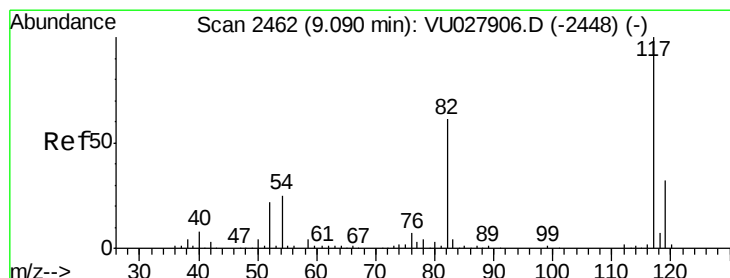
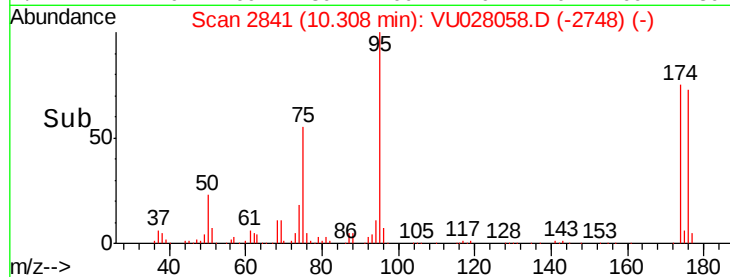
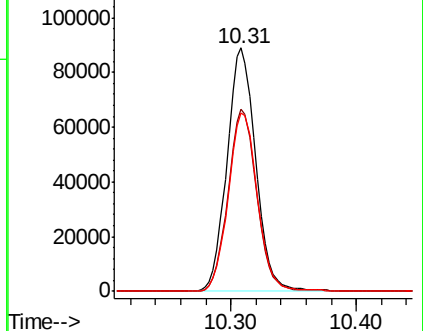
176 74.5 0.0 150.8



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: VU028058.D

Acq: 12 Nov 2018 12:32

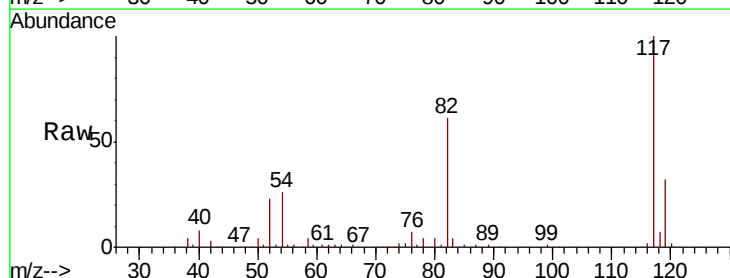
Tgt Ion: 117 Resp: 299769

Ion Ratio Lower Upper

117 100

82 61.2 48.6 73.0

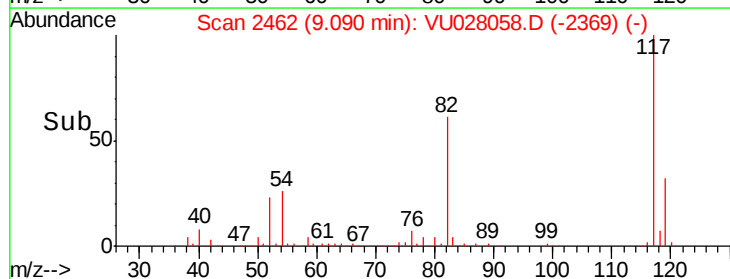
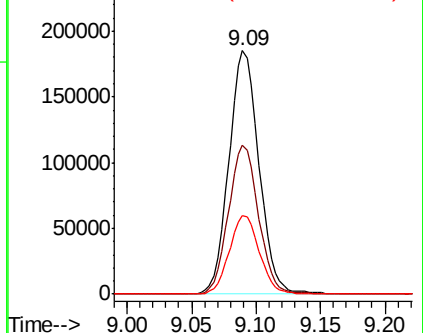
119 32.2 25.8 38.8

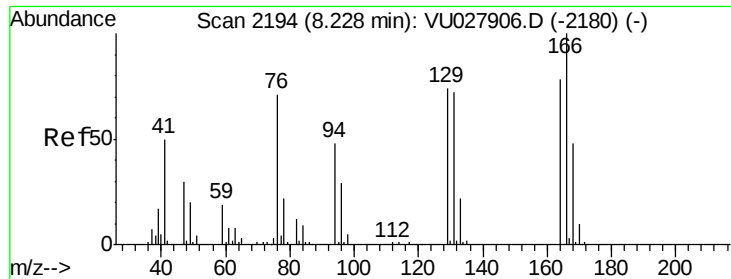


Abundance Ion 116.90 (116.60 to 117.60): V

Ion 82.00 (81.70 to 82.70): VU0

Ion 118.90 (118.60 to 119.60): V

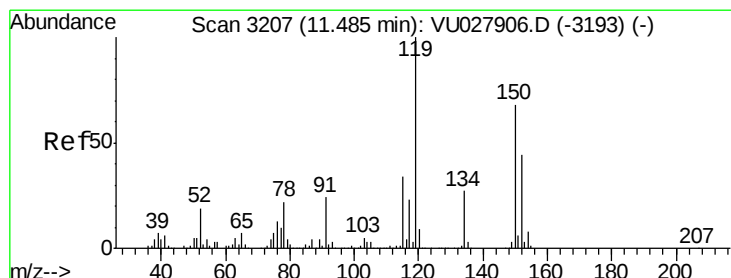
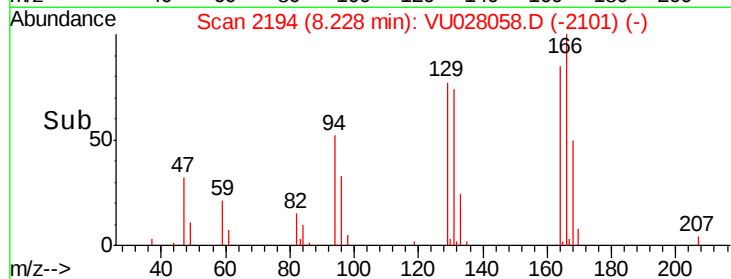
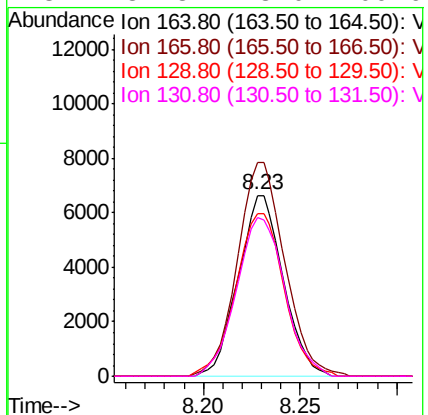
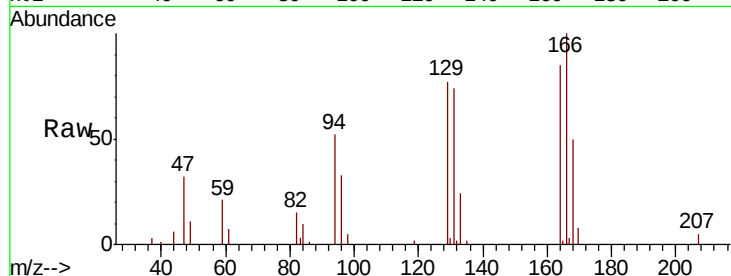




#64
Tetrachloroethene
Concen: 5.515 ug/l
RT: 8.23 min Scan# 2194
Delta R.T. -0.00 min
Lab File: VU028058.D
Acq: 12 Nov 2018 12:32

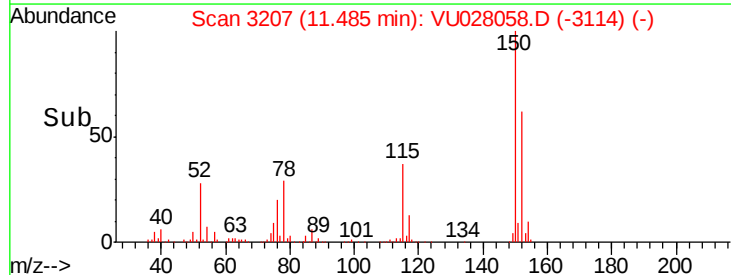
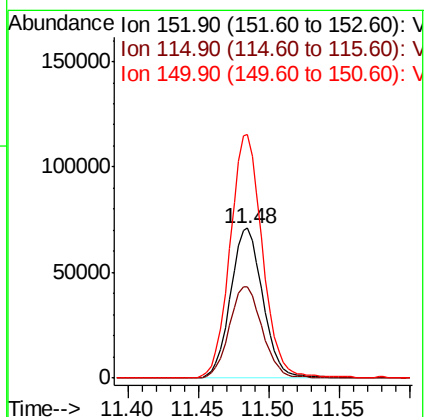
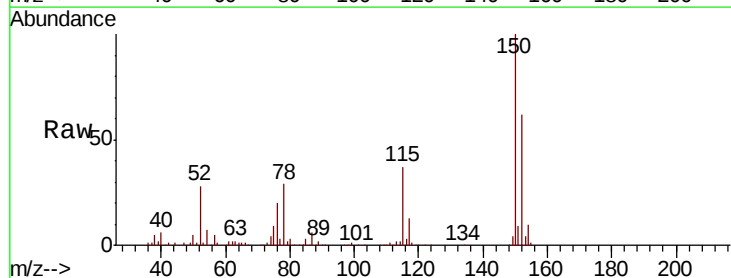
Instrument :
MSVOA_U
ClientSampleId :
MW-9

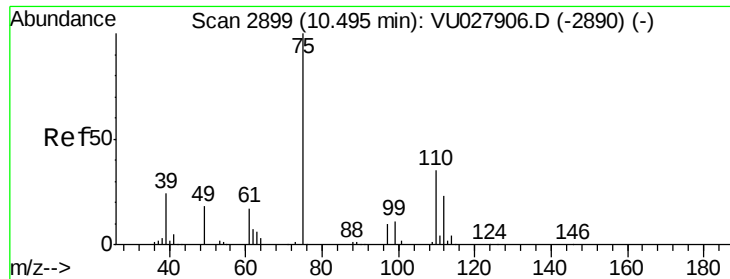
Tot Ion:164 Resp: 10719
Ion Ratio Lower Upper
164 100
166 117.9 102.1 153.1
129 90.2 75.9 113.9
131 87.8 73.0 109.6



#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 11.48 min Scan# 3207
Delta R.T. -0.00 min
Lab File: VU028058.D
Acq: 12 Nov 2018 12:32

Tgt Ion:152 Resp: 114324
Ion Ratio Lower Upper
152 100
115 62.2 43.0 129.0
150 162.5 0.0 349.4





#76

1,2,3-Trichloropropane

Concen: 24.308 ug/l

RT: 10.31 min Scan# 2841

Delta R.T. -0.19 min

Lab File: VU028058.D

Acq: 12 Nov 2018 12:32

Instrument :

MSVOA_U

ClientSampled :

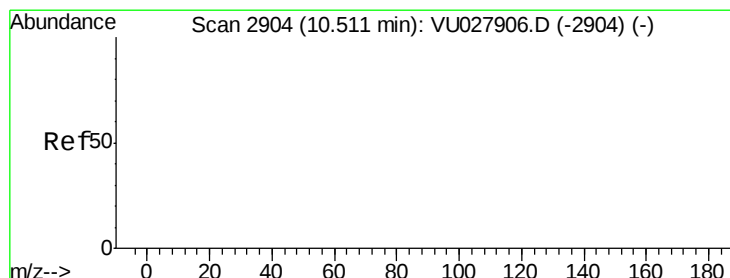
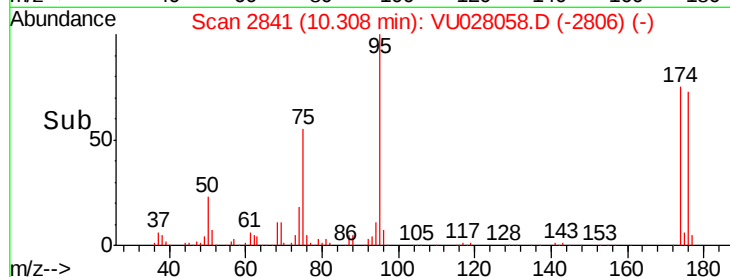
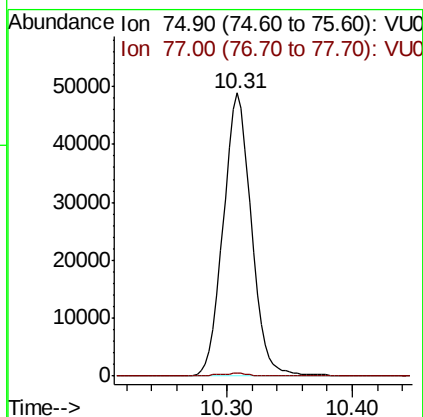
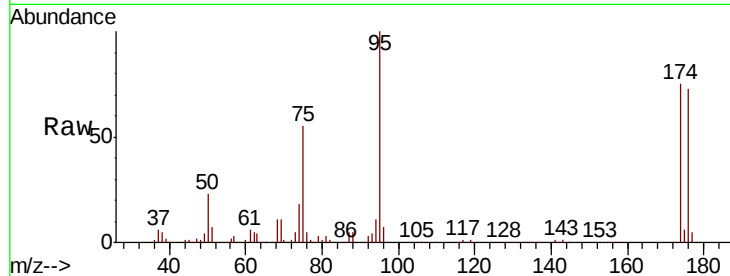
MW-9

Tot Ion: 75 Resp: 76014

Ion Ratio Lower Upper

75 100

77 1.1 21.6 64.6#



#81

trans-1,4-Dichloro-2-butene

Concen: 60.636 ug/l

RT: 10.31 min Scan# 2841

Delta R.T. -0.20 min

Lab File: VU028058.D

Acq: 12 Nov 2018 12:32

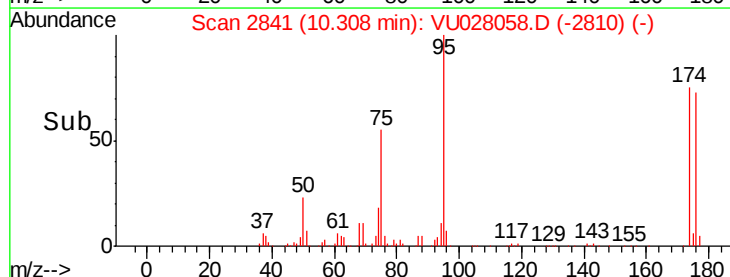
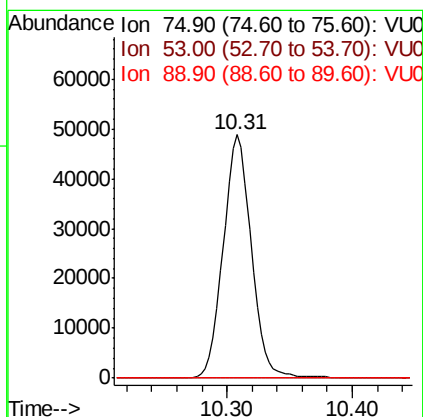
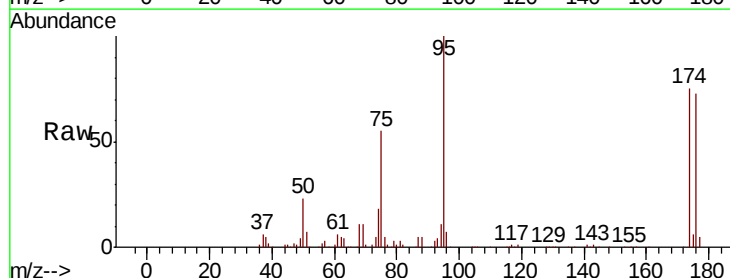
Tgt Ion: 75 Resp: 76014

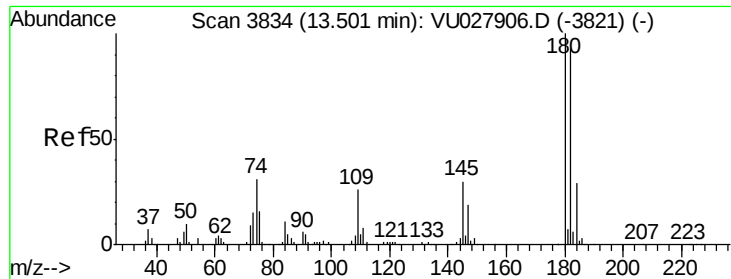
Ion Ratio Lower Upper

75 100

53 0.0 0.0 0.0

89 0.0 0.0 0.0





#93

1,2,4-Trichlorobenzene

Concen: 0.700 ug/l

RT: 13.52 min Scan# 3839

Delta R.T. 0.02 min

Lab File: VU028058.D

Acq: 12 Nov 2018 12:32

Instrument :

MSVOA_U

ClientSampleId :

MW-9

Tot Ion:180 Resp: 42

Ion Ratio Lower Upper

180 100

182 311.9 48.4 145.2#

145 0.0 14.9 44.5#

