

Data Path : Z:\VOASRV\HPCHEM1\MSVOA U\DATA\VU010519\
 Data File : VU029036.D
 Acq On : 04 Jan 2019 18:42
 Operator : MD/SY
 Sample : K1055-04
 Misc : 5.0mL/MSVOA U/WATER
 ALS Vial : 16 Sample Multiplier: 1

Instrument :
 MSVOA_U
 ClientSampleId :
 MW-4

Quant Time: Jan 05 03:48:41 2019
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_U\METHOD\82U010319W.M
 Quant Title : SW846 8260
 QLast Update : Fri Jan 04 02:22:53 2019
 Response via : Initial Calibration

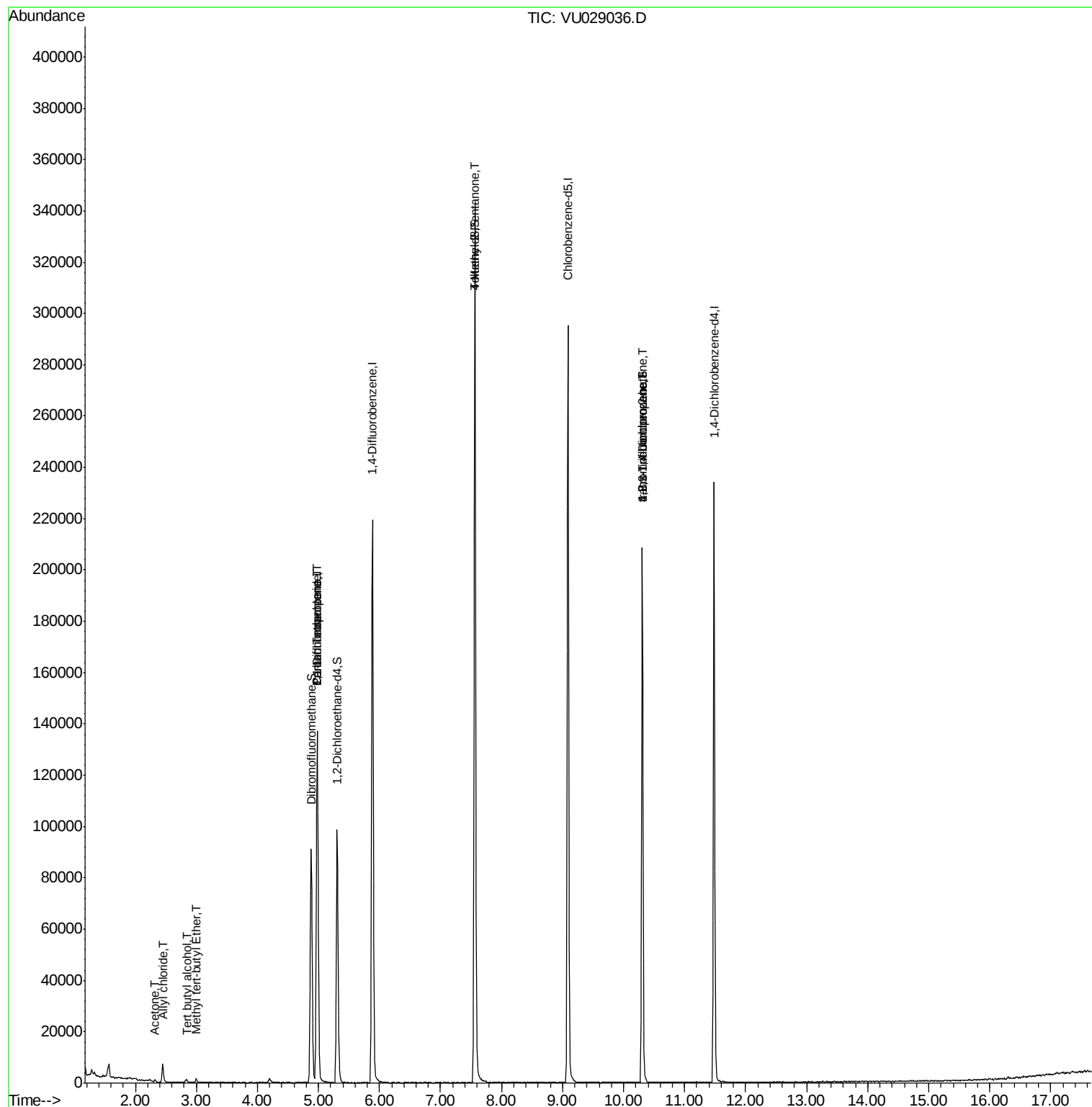
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	4.98	168	112274	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	5.88	114	189846	50.00	ug/l	0.00
63) Chlorobenzene-d5	9.09	117	170329	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	11.48	152	64184	50.00	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	5.30	65	74800	53.89	ug/l	0.00
Spiked Amount 50.000			Recovery	=	107.78%	
35) Dibromofluoromethane	4.88	113	64640	52.53	ug/l	0.00
Spiked Amount 50.000			Recovery	=	105.06%	
50) Toluene-d8	7.56	98	239768	49.35	ug/l	0.00
Spiked Amount 50.000			Recovery	=	98.70%	
62) 4-Bromofluorobenzene	10.30	95	72148	41.32	ug/l	0.00
Spiked Amount 50.000			Recovery	=	82.64%	
Target Compounds						
					Qvalue	
3) Chloromethane	1.33	50	708	Below Cal		99
5) Bromomethane	1.62	94	20	Below Cal	#	2
11) Tert butyl alcohol	2.84	59	919	2.605	ug/l #	73
14) Allyl chloride	2.45	41	675	0.316	ug/l #	60
16) Acetone	2.32	43	998	1.141	ug/l	93
17) Carbon Disulfide	2.47	76	148	Below Cal	#	75
19) Methyl tert-butyl Ether	2.99	73	1586	0.387	ug/l #	81
31) Cyclohexane	4.98	56	1883	Below Cal	#	1
36) 1,1-Dichloropropene	4.98	75	7966	4.198	ug/l #	46
38) Carbon Tetrachloride	4.98	117	10112	6.389	ug/l #	17
51) 4-Methyl-2-Pentanone	7.56	43	943	0.434	ug/l #	1
76) 1,2,3-Trichloropropane	10.30	75	34313	21.819	ug/l #	36
81) trans-1,4-Dichloro-2-buten	10.30	75	34313	56.273	ug/l #	100

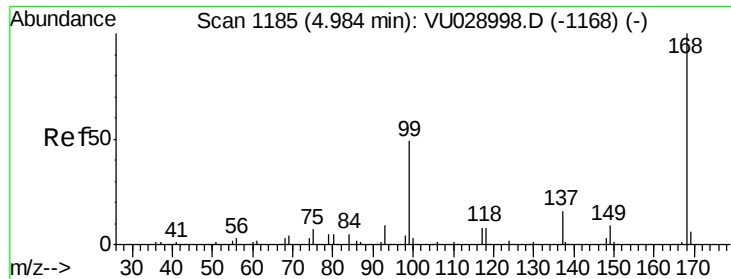
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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Quant Method : Z:\V0ASRV\HPCHEM1\MSVOA_U\METHOD\82U010319W.M
Quant Title : SW846 8260
QLast Update : Fri Jan 04 02:22:53 2019
Response via : Initial Calibration





#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 4.98 min Scan# 1184

Delta R.T. 0.00 min

Lab File: VU029036.D

Acq: 04 Jan 2019 18:42

Instrument :

MSVOA_U

ClientSampleId :

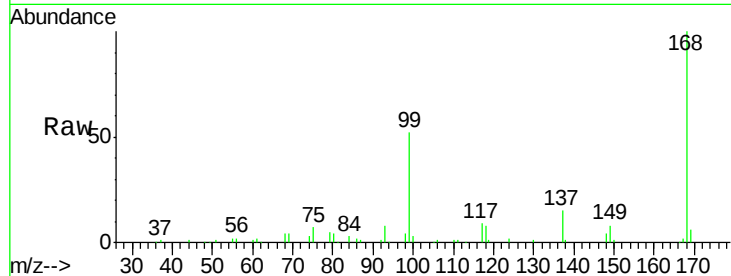
MW-4

Tot Ion:168 Resp: 112274

Ion Ratio Lower Upper

168 100

99 52.4 42.0 63.0



Abundance Ion 167.90 (167.60 to 168.60): VU028998.D (-1168) (-)

Ion 98.90 (98.60 to 99.60): VU028998.D (-1168) (-)

4.98

50000

40000

30000

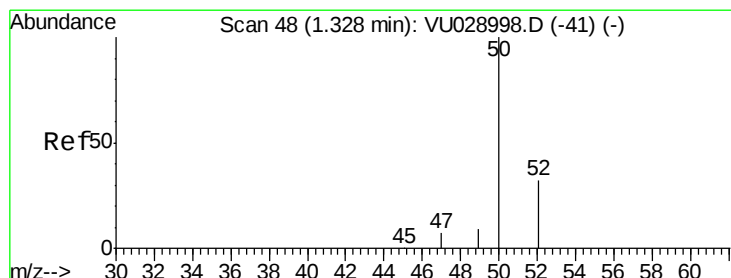
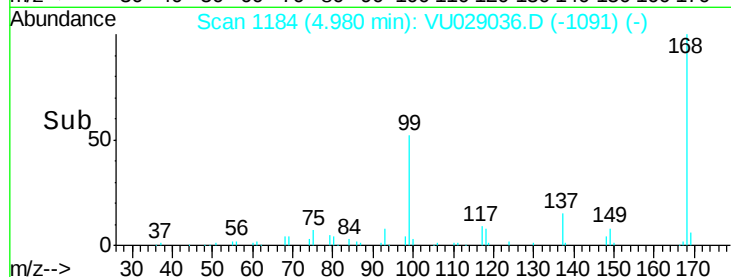
20000

10000

0

4.90 5.00 5.10

Time-->



#3

Chloromethane

Concen: Below Cal

RT: 1.33 min Scan# 48

Delta R.T. 0.00 min

Lab File: VU029036.D

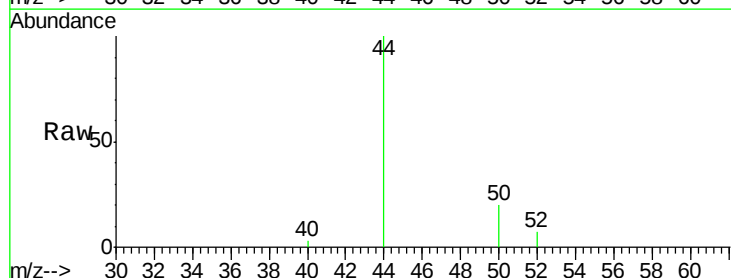
Acq: 04 Jan 2019 18:42

Tgt Ion: 50 Resp: 708

Ion Ratio Lower Upper

50 100

52 32.9 26.1 39.1



Abundance Ion 49.90 (49.60 to 50.60): VU028998.D (-41) (-)

Ion 51.90 (51.60 to 52.60): VU028998.D (-41) (-)

1.33

800

600

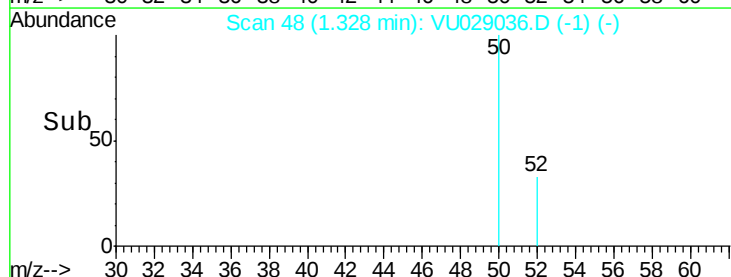
400

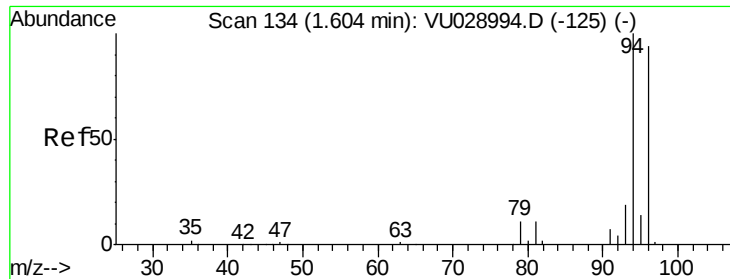
200

0

1.30 1.32 1.34 1.36

Time-->

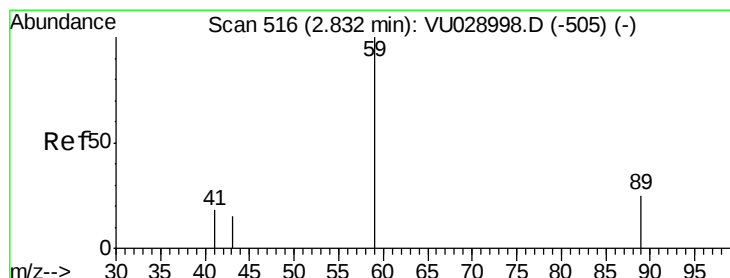
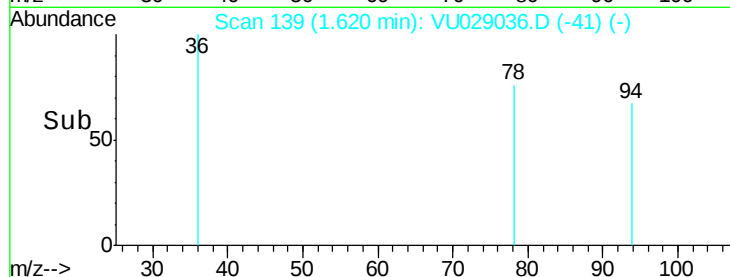
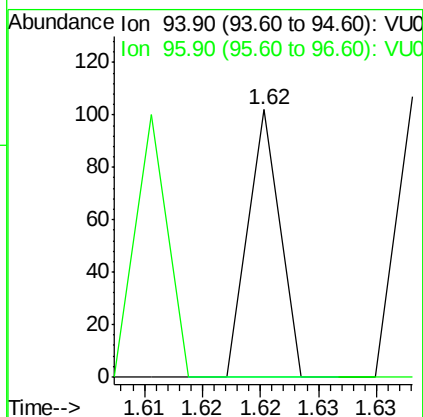
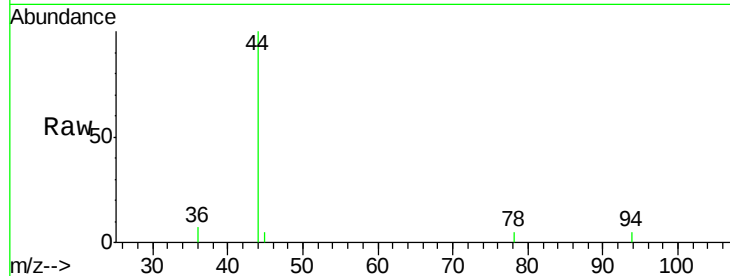




#5
Bromomethane
Concen: Below Cal
RT: 1.62 min Scan# 139
Delta R.T. 0.02 min
Lab File: VU029036.D
Acq: 04 Jan 2019 18:42

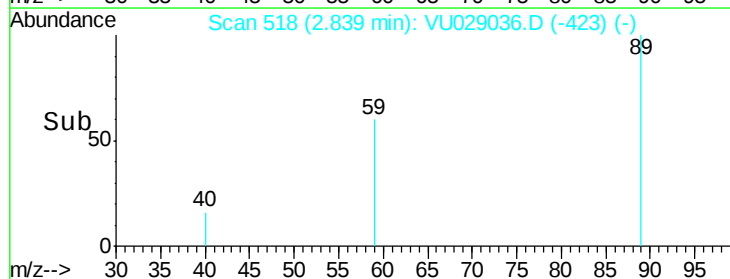
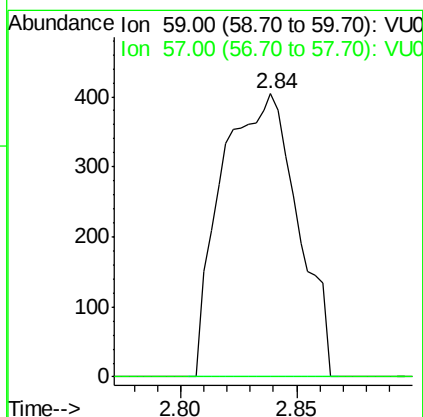
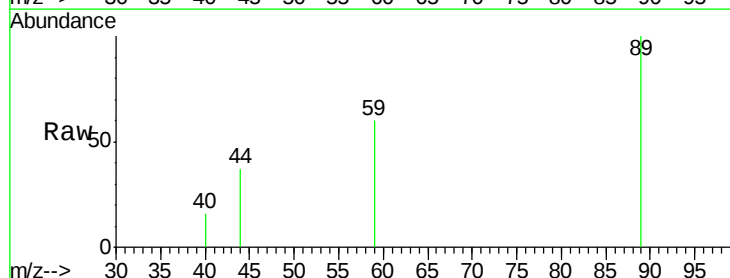
Instrument :
MSVOA_U
ClientSampled :
MW-4

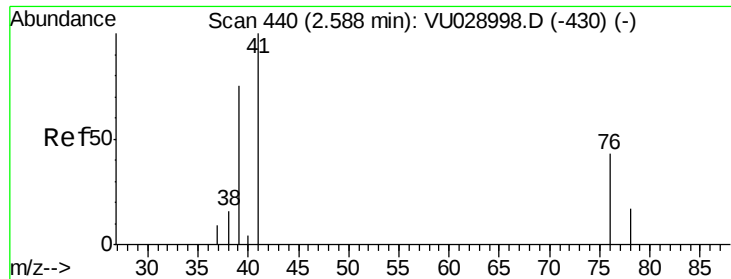
Tot Ion: 94 Resp: 20
Ion Ratio Lower Upper
94 100
96 0.0 75.5 113.3#



#11
Tert butyl alcohol
Concen: 2.605 ug/l
RT: 2.84 min Scan# 518
Delta R.T. 0.01 min
Lab File: VU029036.D
Acq: 04 Jan 2019 18:42

Tgt Ion: 59 Resp: 919
Ion Ratio Lower Upper
59 100
57 0.0 7.9 11.9#

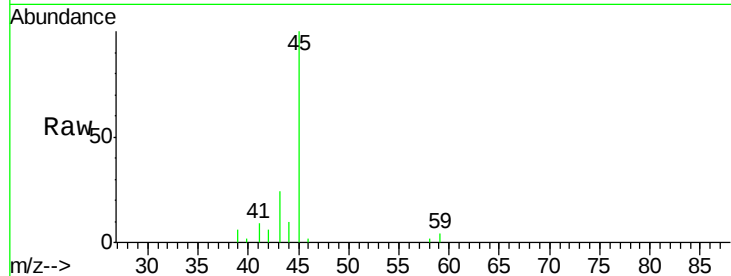




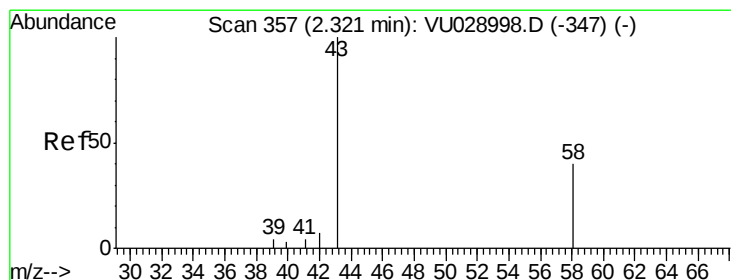
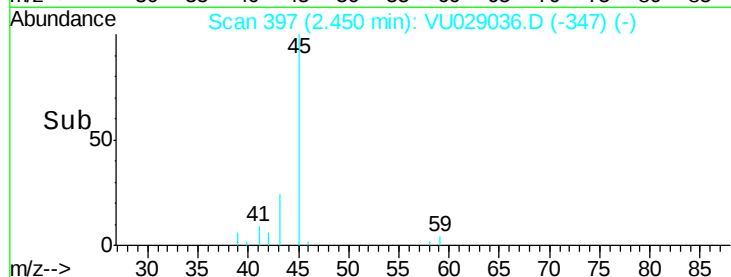
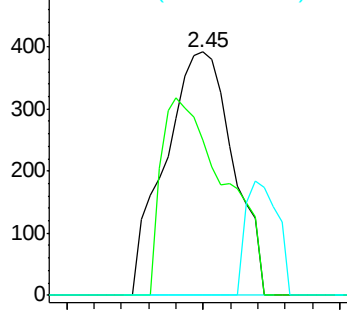
#14
Allvl chloride
Concen: 0.316 ug/l
RT: 2.45 min Scan# 397
Delta R.T. -0.14 min
Lab File: VU029036.D
Acq: 04 Jan 2019 18:42

Instrument :
MSVOA_U
ClientSampled :
MW-4

Tot Ion: 41 Resp: 675
Ion Ratio Lower Upper
41 100
39 76.1 45.0 67.6#
76 0.0 28.1 42.1#

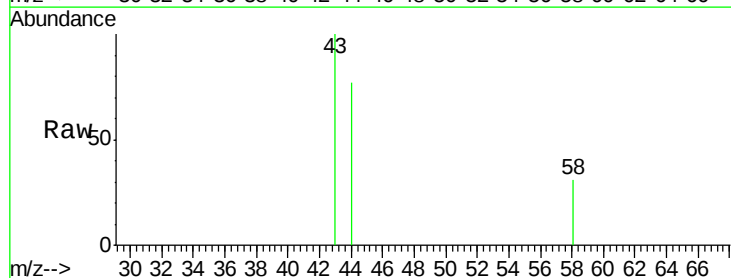


Abundance Ion 41.00 (40.70 to 41.70): VU0
Ion 39.00 (38.70 to 39.70): VU0
Ion 75.90 (75.60 to 76.60): VU0

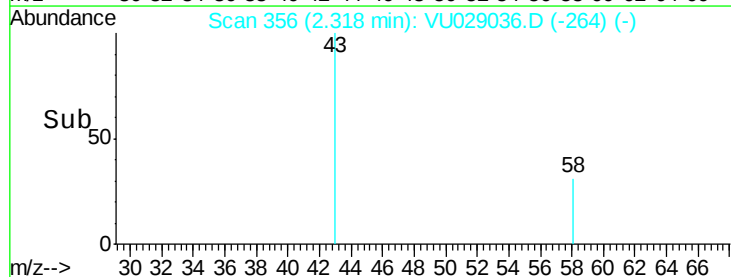
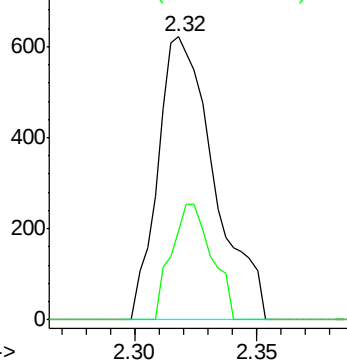


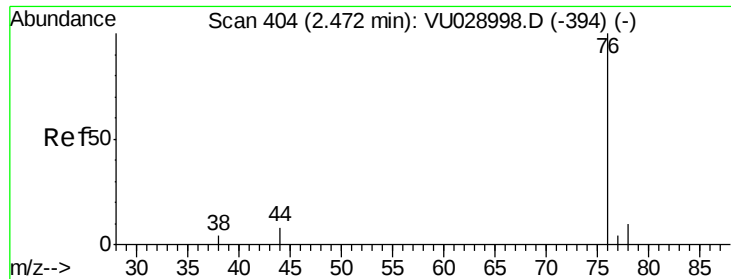
#16
Acetone
Concen: 1.141 ug/l
RT: 2.32 min Scan# 356
Delta R.T. -0.00 min
Lab File: VU029036.D
Acq: 04 Jan 2019 18:42

Tgt Ion: 43 Resp: 998
Ion Ratio Lower Upper
43 100
58 31.4 28.6 42.8



Abundance Ion 43.00 (42.70 to 43.70): VU0
Ion 58.00 (57.70 to 58.70): VU0

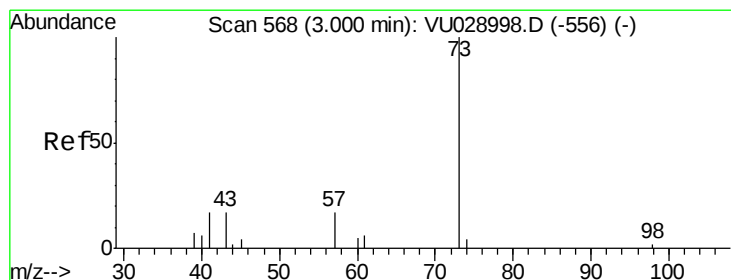
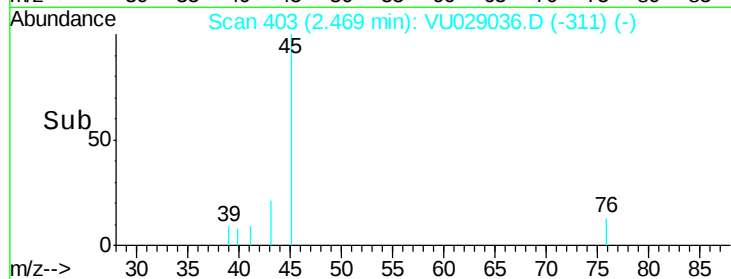
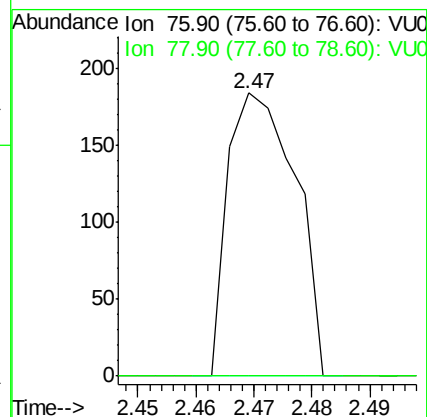
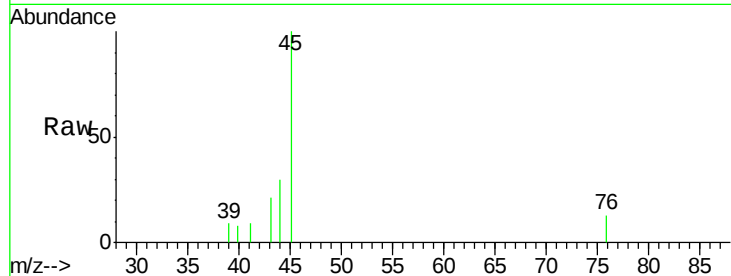




#17
Carbon Disulfide
Concen: Below Cal
RT: 2.47 min Scan# 403
Delta R.T. -0.00 min
Lab File: VU029036.D
Acq: 04 Jan 2019 18:42

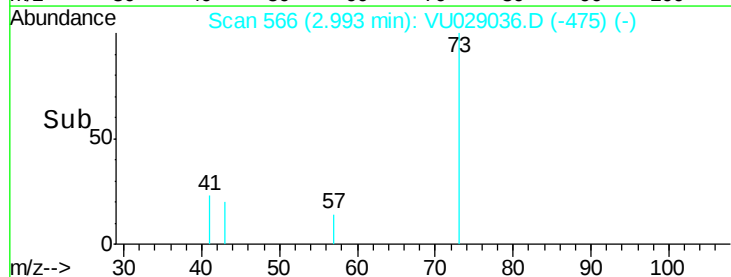
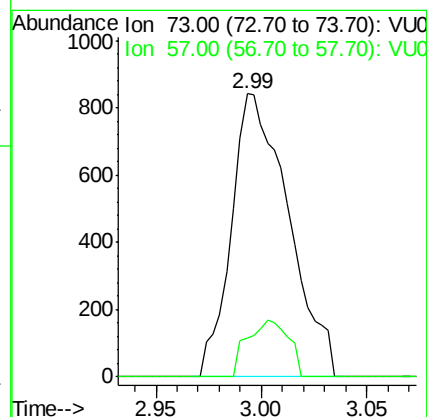
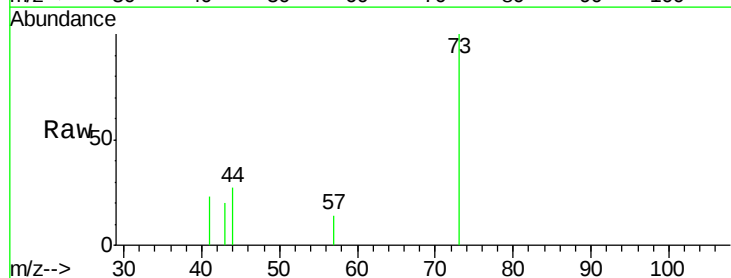
Instrument :
MSVOA_U
ClientSampled :
MW-4

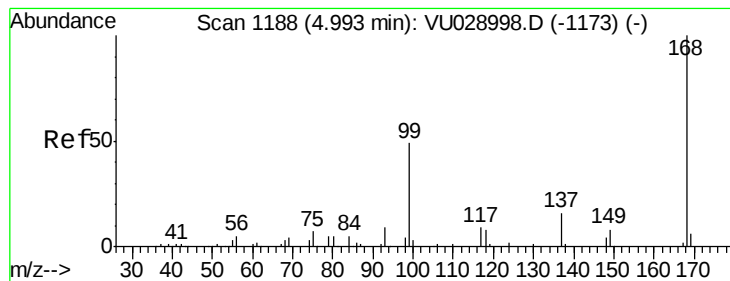
Tot Ion: 76 Resp: 148
Ion Ratio Lower Upper
76 100
78 0.0 7.2 10.8#



#19
Methyl tert-butyl Ether
Concen: 0.387 ug/l
RT: 2.99 min Scan# 566
Delta R.T. -0.01 min
Lab File: VU029036.D
Acq: 04 Jan 2019 18:42

Tgt Ion: 73 Resp: 1586
Ion Ratio Lower Upper
73 100
57 13.9 18.6 28.0#





#31

Cyclohexane

Concen: Below Cal

RT: 4.98 min Scan# 1184

Delta R.T. -0.01 min

Lab File: VU029036.D

Acq: 04 Jan 2019 18:42

Instrument :

MSVOA_U

ClientSampled :

MW-4

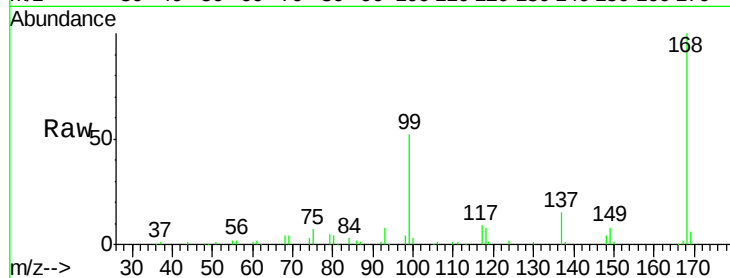
Tot Ion: 56 Resp: 1883

Ion Ratio Lower Upper

56 100

69 206.2 26.7 40.1#

84 186.3 65.7 98.5#

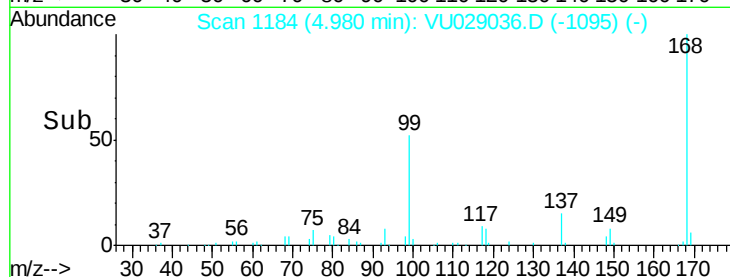


Abundance Ion 56.00 (55.70 to 56.70): VU028998.D (-1173) (-)

Ion 69.00 (68.70 to 69.70): VU028998.D (-1173) (-)

Ion 84.00 (83.70 to 84.70): VU028998.D (-1173) (-)

Time-->

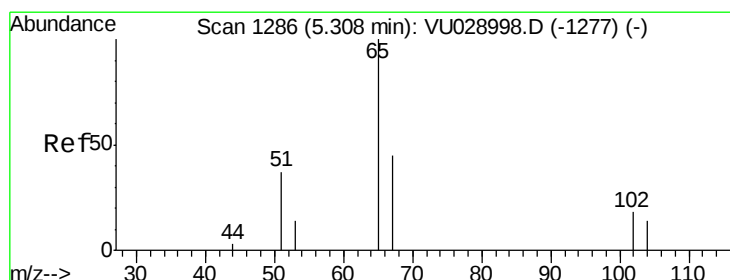


Abundance Ion 56.00 (55.70 to 56.70): VU029036.D (-1095) (-)

Ion 69.00 (68.70 to 69.70): VU029036.D (-1095) (-)

Ion 84.00 (83.70 to 84.70): VU029036.D (-1095) (-)

Time-->



#33

1,2-Dichloroethane-d4

Concen: 53.893 ug/l

RT: 5.30 min Scan# 1285

Delta R.T. 0.00 min

Lab File: VU029036.D

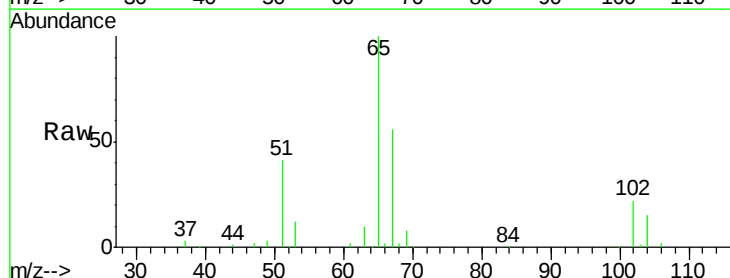
Acq: 04 Jan 2019 18:42

Tgt Ion: 65 Resp: 74800

Ion Ratio Lower Upper

65 100

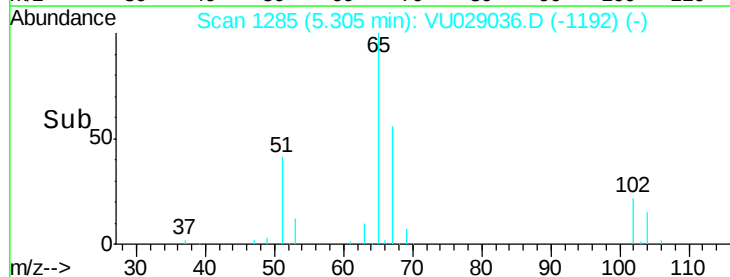
67 55.5 0.0 111.0



Abundance Ion 64.90 (64.60 to 65.60): VU028998.D (-1277) (-)

Ion 66.90 (66.60 to 67.60): VU028998.D (-1277) (-)

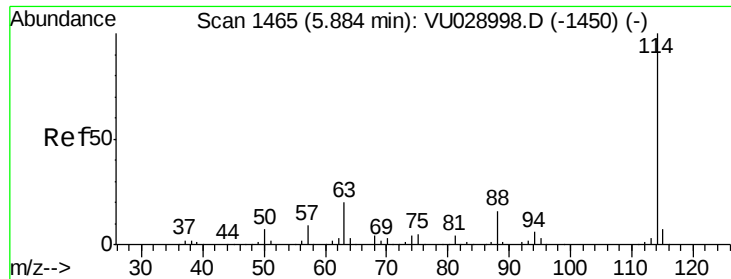
Time-->



Abundance Ion 64.90 (64.60 to 65.60): VU029036.D (-1192) (-)

Ion 66.90 (66.60 to 67.60): VU029036.D (-1192) (-)

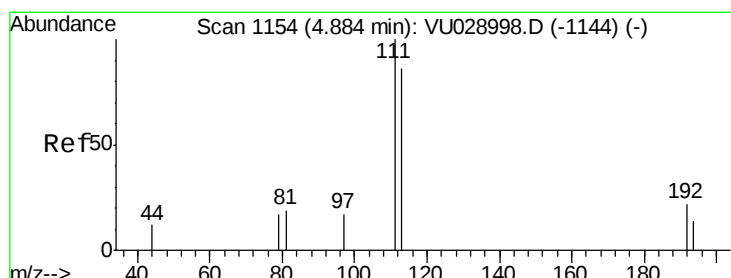
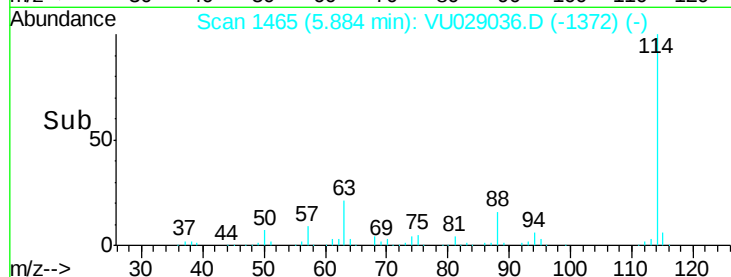
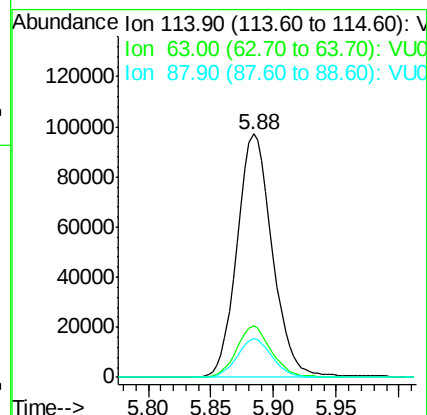
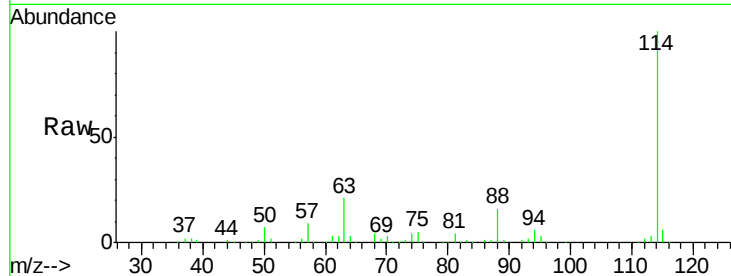
Time-->



#34
 1,4-Difluorobenzene
 Concen: 50.000 ug/l
 RT: 5.88 min Scan# 1465
 Delta R.T. 0.00 min
 Lab File: VU029036.D
 Acq: 04 Jan 2019 18:42

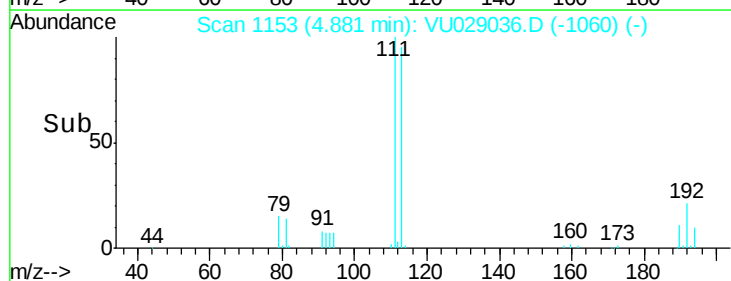
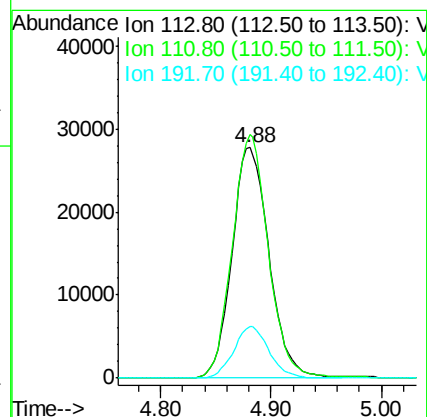
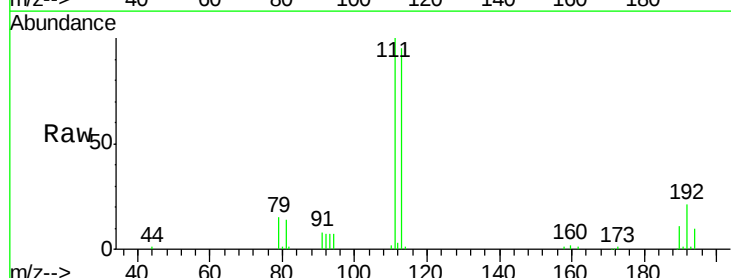
Instrument :
 MSVOA_U
 ClientSampleId :
 MW-4

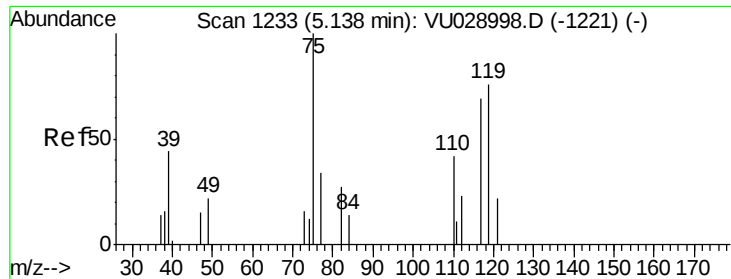
Tot Ion:114 Resp: 189846
 Ion Ratio Lower Upper
 114 100
 63 21.1 0.0 40.2
 88 15.8 0.0 30.4



#35
 Dibromofluoromethane
 Concen: 52.526 ug/l
 RT: 4.88 min Scan# 1153
 Delta R.T. 0.00 min
 Lab File: VU029036.D
 Acq: 04 Jan 2019 18:42

Tgt Ion:113 Resp: 64640
 Ion Ratio Lower Upper
 113 100
 111 102.3 81.4 122.2
 192 21.1 16.8 25.2





#36

1,1-Dichloropropene

Concen: 4.198 ug/l

RT: 4.98 min Scan# 1184

Delta R.T. -0.15 min

Lab File: VU029036.D

Acq: 04 Jan 2019 18:42

Instrument :

MSVOA_U

ClientSampleId :

MW-4

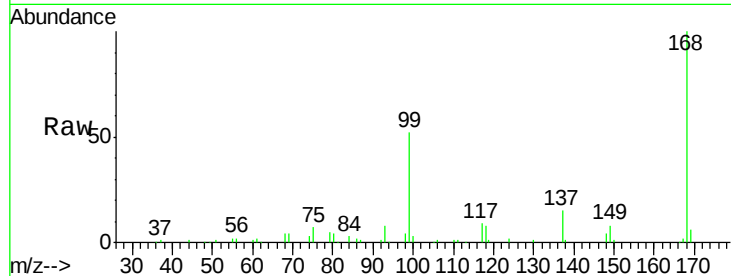
Tot Ion: 75 Resp: 7966

Ion Ratio Lower Upper

75 100

110 6.6 18.4 55.4#

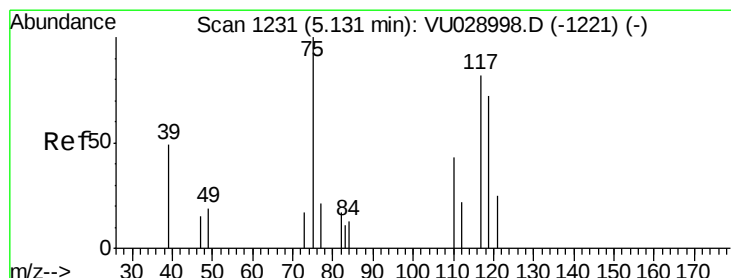
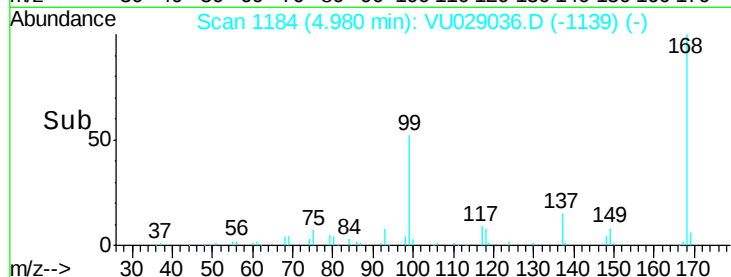
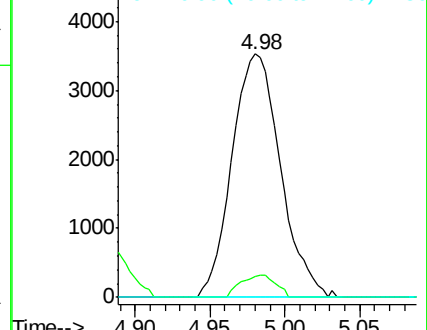
77 0.0 25.1 37.7#



Abundance Ion 74.90 (74.60 to 75.60): VU028998.D (-1221) (-)

Ion 109.90 (109.60 to 110.60): VU028998.D (-1221) (-)

Ion 76.90 (76.60 to 77.60): VU028998.D (-1221) (-)



#38

Carbon Tetrachloride

Concen: 6.389 ug/l

RT: 4.98 min Scan# 1185

Delta R.T. -0.15 min

Lab File: VU029036.D

Acq: 04 Jan 2019 18:42

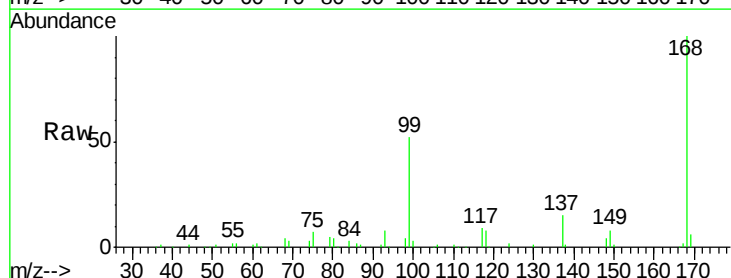
Tgt Ion: 117 Resp: 10112

Ion Ratio Lower Upper

117 100

119 4.7 74.6 111.8#

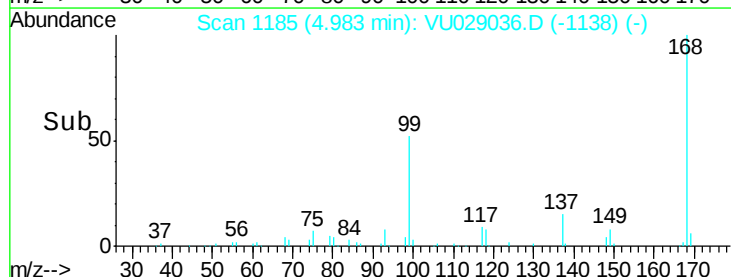
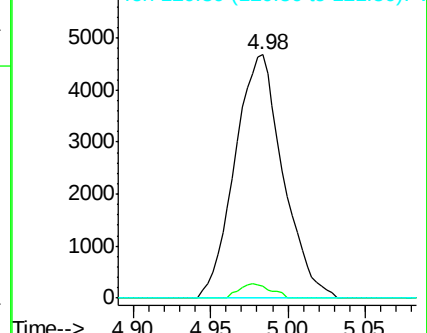
121 0.0 25.0 37.6#

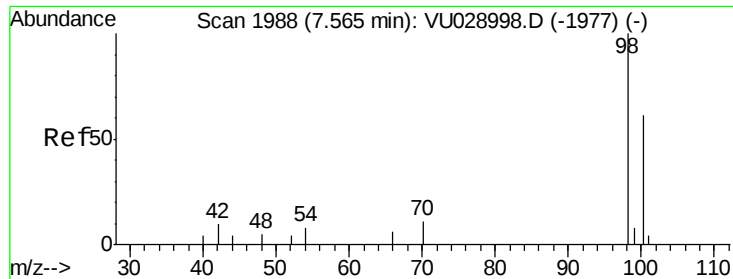


Abundance Ion 116.80 (116.50 to 117.50): VU028998.D (-1221) (-)

Ion 118.80 (118.50 to 119.50): VU028998.D (-1221) (-)

Ion 120.80 (120.50 to 121.50): VU028998.D (-1221) (-)





#50

Toluene-d8

Concen: 49.351 ug/l

RT: 7.56 min Scan# 1987

Delta R.T. 0.00 min

Lab File: VU029036.D

Acq: 04 Jan 2019 18:42

Instrument :

MSVOA_U

ClientSampled :

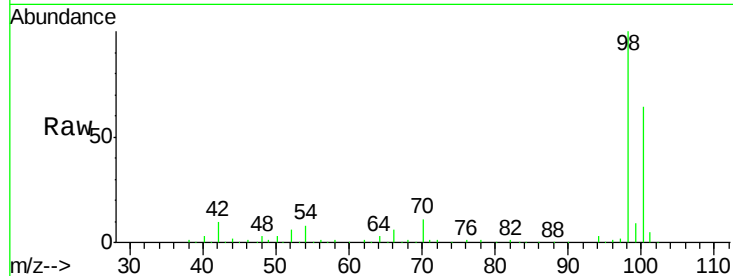
MW-4

Tot Ion: 98 Resp: 239768

Ion Ratio Lower Upper

98 100

100 63.2 51.6 77.4



Abundance Ion 98.00 (97.70 to 98.70): VU028998.D (-1977) (-)

Ion 100.00 (99.70 to 100.70): VU028998.D (-1977) (-)

7.56

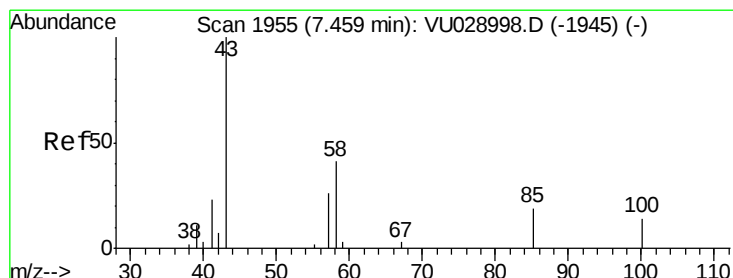
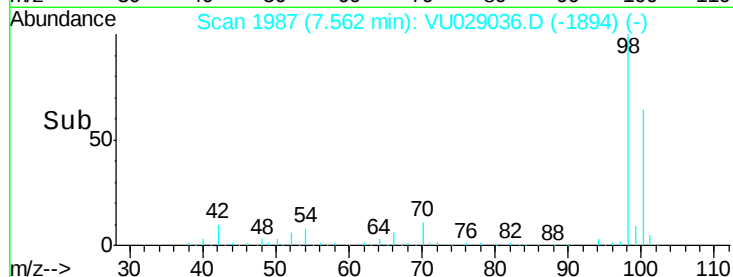
150000

100000

50000

0

Time-->



#51

4-Methyl-2-Pentanone

Concen: 0.434 ug/l

RT: 7.56 min Scan# 1986

Delta R.T. 0.10 min

Lab File: VU029036.D

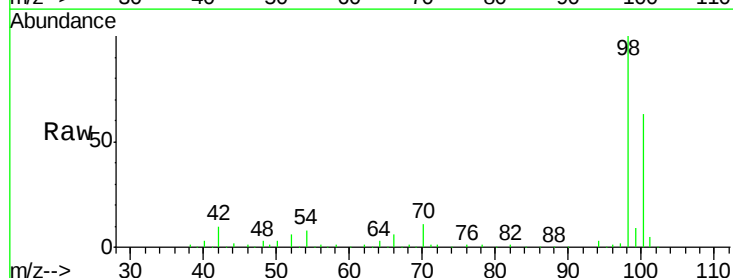
Acq: 04 Jan 2019 18:42

Tgt Ion: 43 Resp: 943

Ion Ratio Lower Upper

43 100

58 186.0 33.9 50.9#



Abundance Ion 43.00 (42.70 to 43.70): VU028998.D (-1945) (-)

Ion 58.00 (57.70 to 58.70): VU028998.D (-1945) (-)

7.56

1200

1000

800

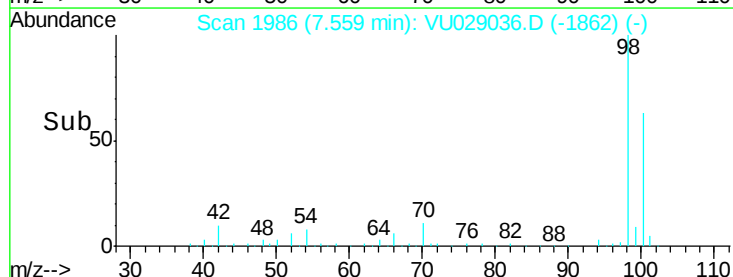
600

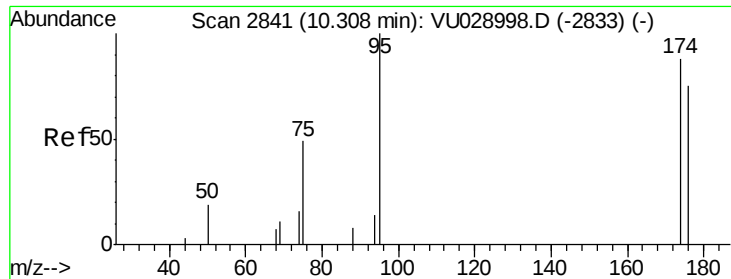
400

200

0

Time-->

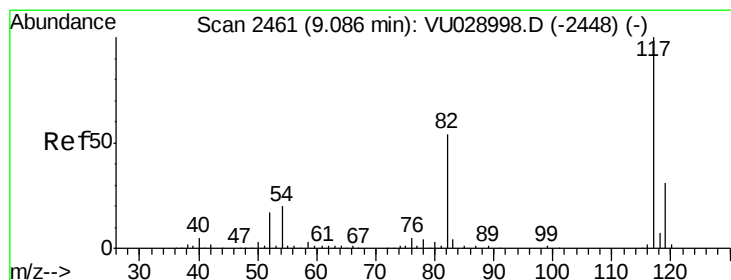
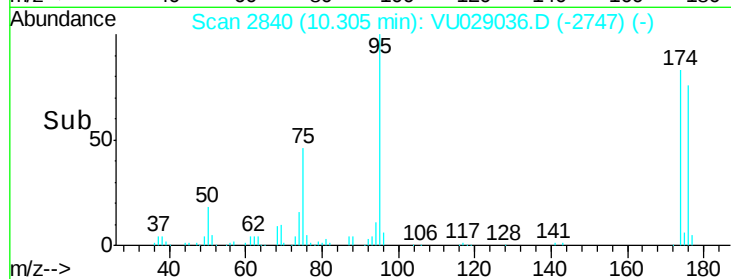
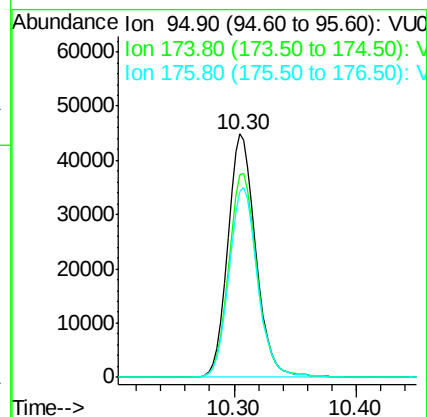
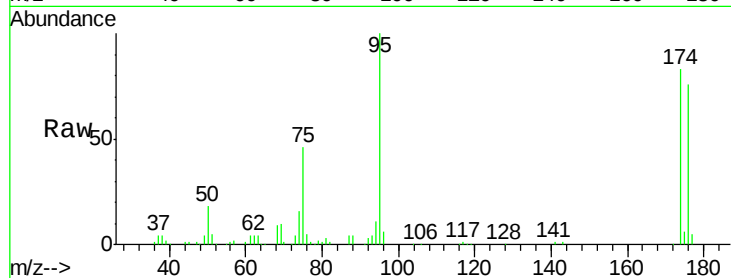




#62
4-Bromofluorobenzene
Concen: 41.321 ug/l
RT: 10.30 min Scan# 2840
Delta R.T. 0.00 min
Lab File: VU029036.D
Acq: 04 Jan 2019 18:42

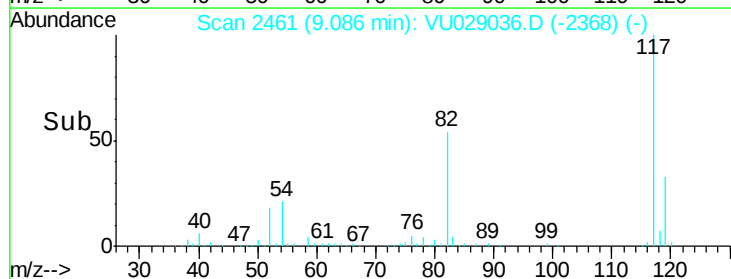
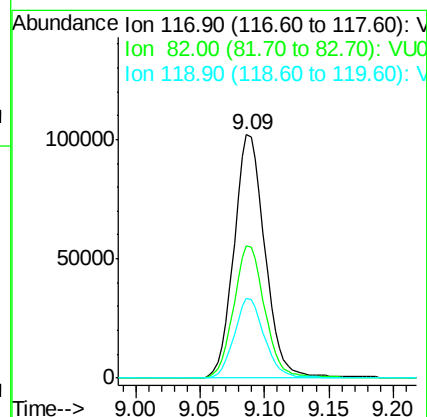
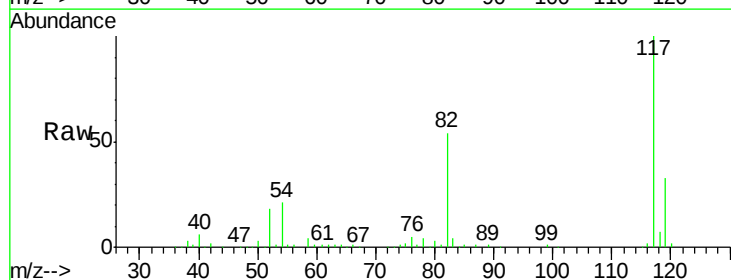
Instrument :
MSVOA_U
ClientSampleId :
MW-4

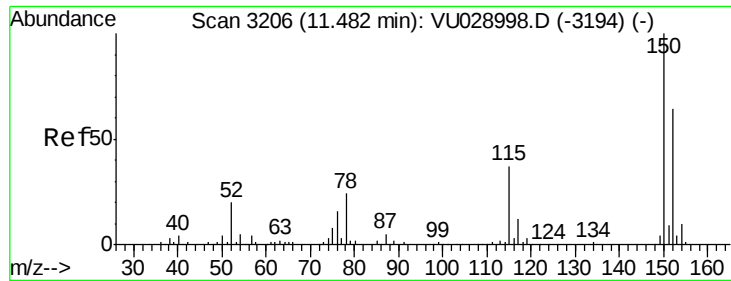
Tot Ion: 95 Resp: 72148
Ion Ratio Lower Upper
95 100
174 85.5 0.0 170.6
176 80.0 0.0 165.0



#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 9.09 min Scan# 2461
Delta R.T. 0.00 min
Lab File: VU029036.D
Acq: 04 Jan 2019 18:42

Tgt Ion: 117 Resp: 170329
Ion Ratio Lower Upper
117 100
82 54.1 43.9 65.9
119 32.6 26.0 39.0





#72

1,4-Dichlorobenzene-d4

Concen: 50.000 ug/l

RT: 11.48 min Scan# 3206

Delta R.T. 0.00 min

Lab File: VU029036.D

Acq: 04 Jan 2019 18:42

Instrument :

MSVOA_U

ClientSampled :

MW-4

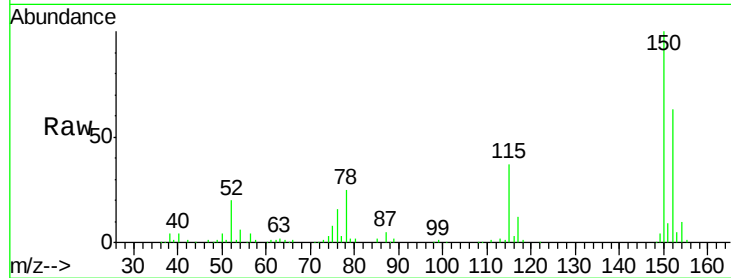
Tot Ion:152 Resp: 64184

Ion Ratio Lower Upper

152 100

115 57.1 40.1 120.3

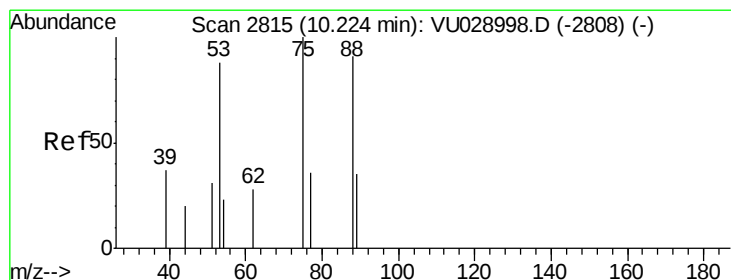
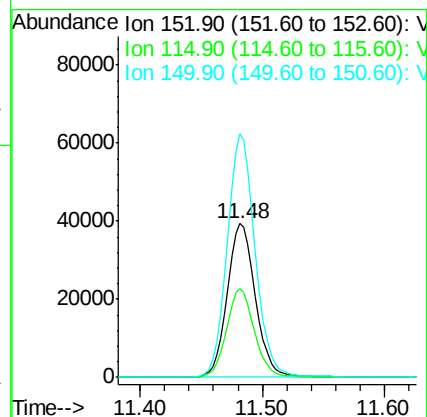
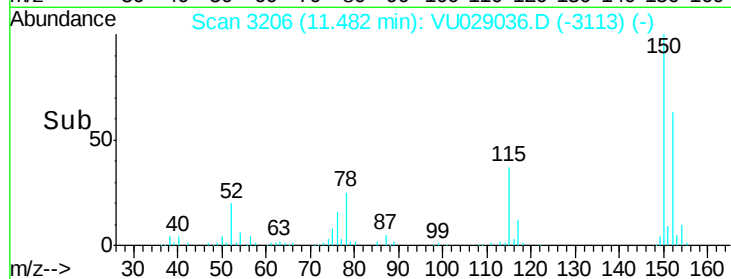
150 156.9 0.0 345.2



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: 21.819 ug/l

RT: 10.30 min Scan# 2840

Delta R.T. -0.19 min

Lab File: VU029036.D

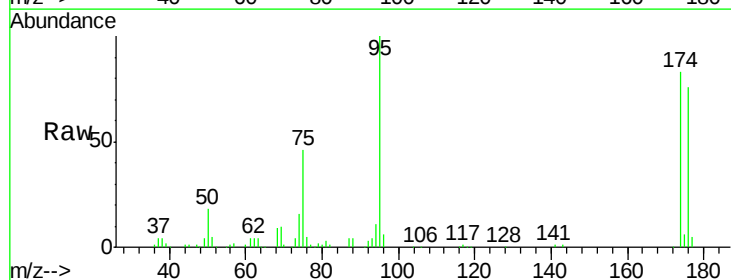
Acq: 04 Jan 2019 18:42

Tgt Ion: 75 Resp: 34313

Ion Ratio Lower Upper

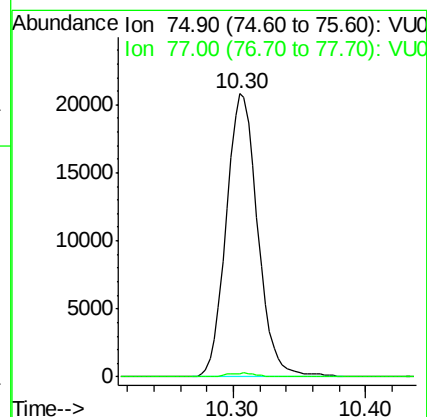
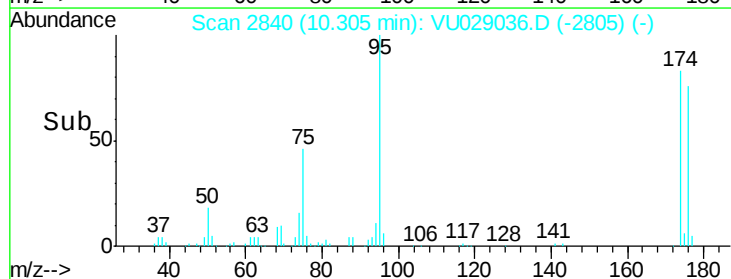
75 100

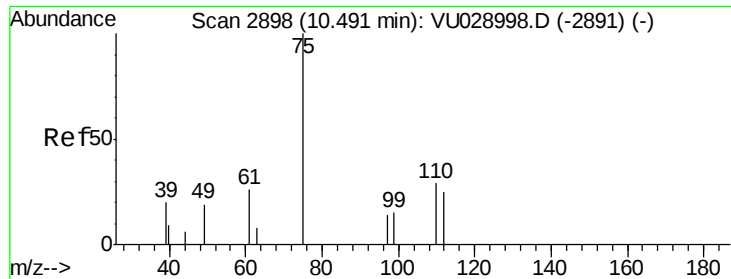
77 1.2 20.9 62.8#



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: 56.273 ug/l

RT: 10.30 min Scan# 2840

Delta R.T. -0.21 min

Lab File: VU029036.D

Acq: 04 Jan 2019 18:42

Instrument :

MSVOA_U

ClientSampleId :

MW-4

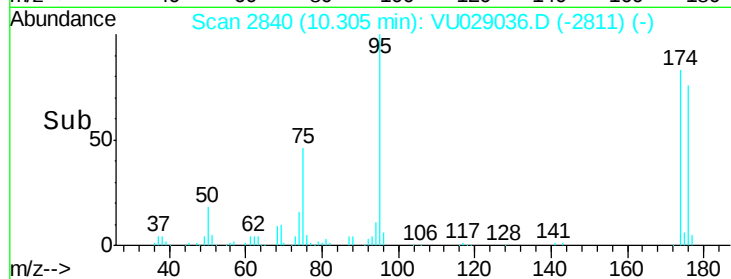
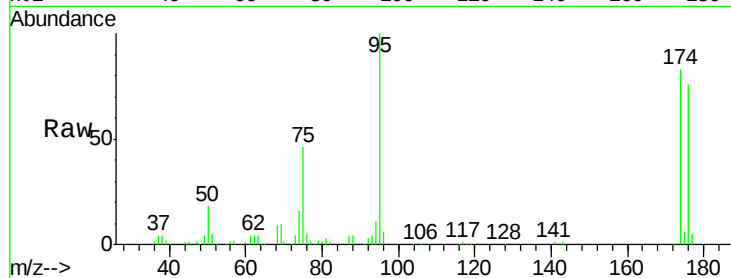
Tot Ion: 75 Resp: 34313

Ion Ratio Lower Upper

75 100

53 0.0 0.0 0.0

89 0.0 0.0 0.0



Abundance Ion 74.90 (74.60 to 75.60): VU0

Ion 53.00 (52.70 to 53.70): VU0

Ion 88.90 (88.60 to 89.60): VU0

