

Data Path : Z:\VOASRV\HPCHEM1\MSVOA U\DATA\VU010519\
 Data File : VU029034.D
 Acq On : 04 Jan 2019 17:53
 Operator : MD/SY
 Sample : K1055-01
 Misc : 5.0mL/MSVOA U/WATER
 ALS Vial : 14 Sample Multiplier: 1

Instrument :
 MSVOA_U
 ClientSampleId :
 MW-1

Quant Time: Jan 05 03:48:15 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	113196	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	5.88	114	192552	50.00	ug/l	0.00
63) Chlorobenzene-d5	9.09	117	177034	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	11.48	152	70139	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	75740	54.13	ug/l	0.00
Spiked Amount			Recovery	=	108.26%	
35) Dibromofluoromethane	4.88	113	65589	52.55	ug/l	0.00
Spiked Amount			Recovery	=	105.10%	
50) Toluene-d8	7.56	98	240076	48.72	ug/l	0.00
Spiked Amount			Recovery	=	97.44%	
62) 4-Bromofluorobenzene	10.31	95	76654	43.29	ug/l	0.00
Spiked Amount			Recovery	=	86.58%	

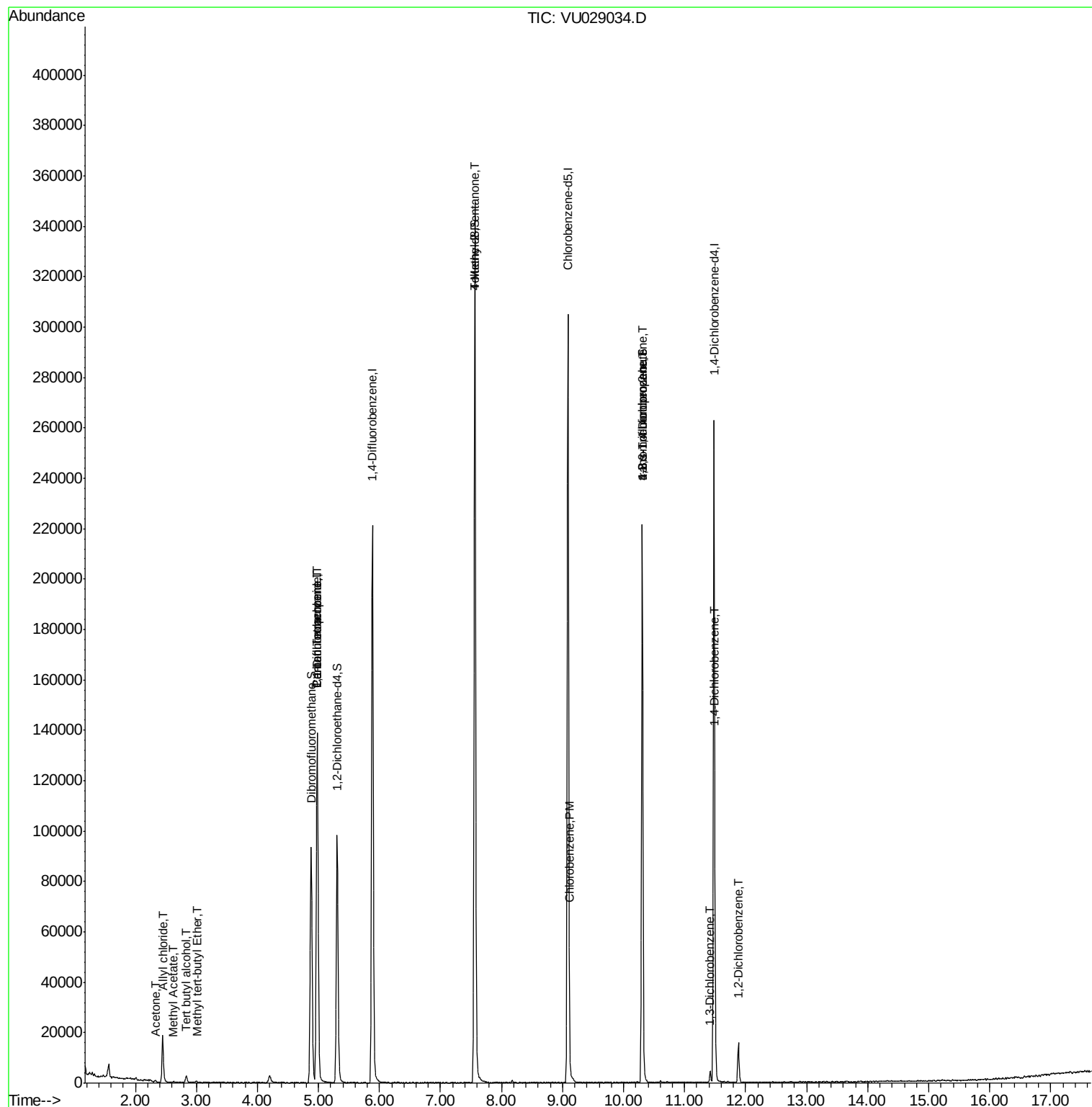
Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
3) Chloromethane	1.33	50	833	Below Cal		95
5) Bromomethane	1.62	94	91	Below Cal	#	2
11) Tert butyl alcohol	2.84	59	1877	5.277	ug/l #	73
14) Allyl chloride	2.45	41	1882	0.874	ug/l #	57
16) Acetone	2.32	43	757	0.859	ug/l	93
17) Carbon Disulfide	2.48	76	212	Below Cal	#	75
18) Methyl Acetate	2.62	43	458	0.223	ug/l #	51
19) Methyl tert-butyl Ether	3.00	73	957	0.232	ug/l	95
31) Cyclohexane	4.98	56	1992	Below Cal	#	1
36) 1,1-Dichloropropene	4.98	75	8312	4.319	ug/l #	46
38) Carbon Tetrachloride	4.98	117	10249	6.385	ug/l #	16
51) 4-Methyl-2-Pentanone	7.56	43	902	0.409	ug/l #	1
65) Chlorobenzene	9.12	112	921	0.232	ug/l	90
76) 1,2,3-Trichloropropane	10.31	75	35564	20.695	ug/l #	35
81) trans-1,4-Dichloro-2-buten	10.31	75	35564	53.372	ug/l #	100
87) 1,3-Dichlorobenzene	11.42	146	2399	0.967	ug/l	98
88) 1,4-Dichlorobenzene	11.50	146	2279	0.890	ug/l	93
91) 1,2-Dichlorobenzene	11.88	146	7561	3.025	ug/l	99

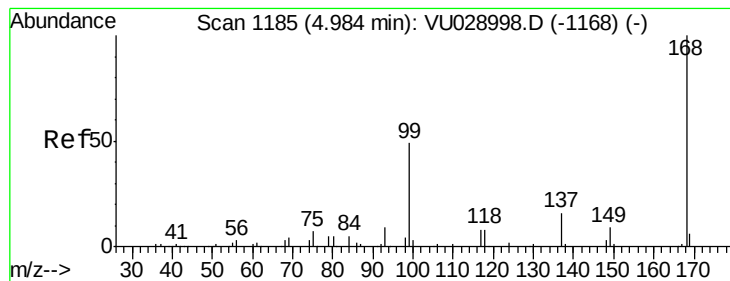
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Data Path : Z:\V0ASRV\HPCHEM1\MSVOA U\DATA\VU010519\
Data File : VU029034.D
Acq On : 04 Jan 2019 17:53
Operator : MD/SY
Sample : K1055-01
Misc : 5.0mL/MSVOA U/WATER
ALS Vial : 14 Sample Multiplier: 1

Instrument :
MSVOA_U
ClientSampleId :
MW-1

Quant Time: Jan 05 03:48:15 2019
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: VU029034.D

Acq: 04 Jan 2019 17:53

Instrument :

MSVOA_U

ClientSampleId :

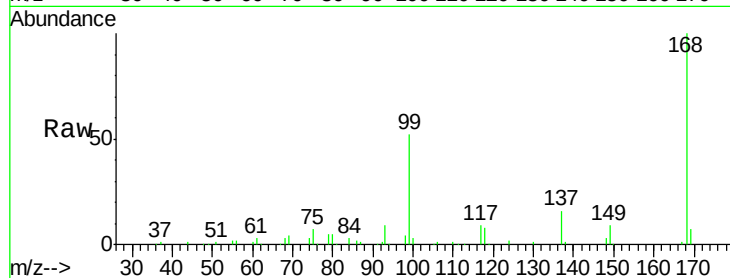
MW-1

Tot Ion:168 Resp: 113196

Ion Ratio Lower Upper

168 100

99 52.2 42.0 63.0

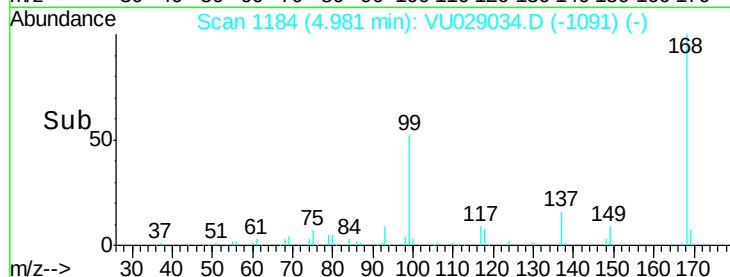


Abundance Ion 167.90 (167.60 to 168.60): VU028998.D (-1168) (-)

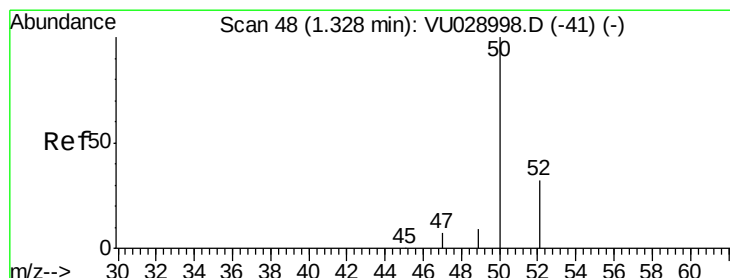
Ion 98.90 (98.60 to 99.60): VU028998.D (-1168) (-)

4.98

Time-->



Time-->



#3

Chloromethane

Concen: Below Cal

RT: 1.33 min Scan# 48

Delta R.T. 0.00 min

Lab File: VU029034.D

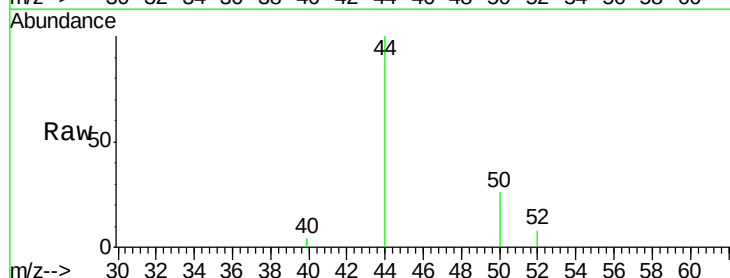
Acq: 04 Jan 2019 17:53

Tgt Ion: 50 Resp: 833

Ion Ratio Lower Upper

50 100

52 29.9 26.1 39.1

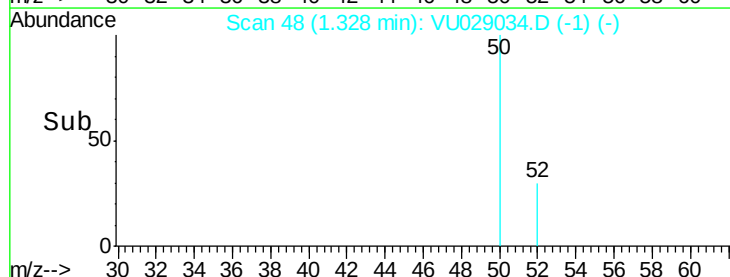


Abundance Ion 49.90 (49.60 to 50.60): VU028998.D (-41) (-)

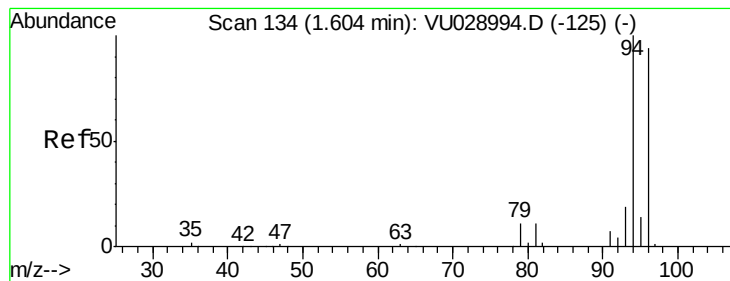
Ion 51.90 (51.60 to 52.60): VU028998.D (-41) (-)

1.33

Time-->



Time-->



#5

Bromomethane

Concen: Below Cal

RT: 1.62 min Scan# 139

Delta R.T. 0.02 min

Lab File: VU029034.D

Acq: 04 Jan 2019 17:53

Instrument :

MSVOA_U

ClientSampleId :

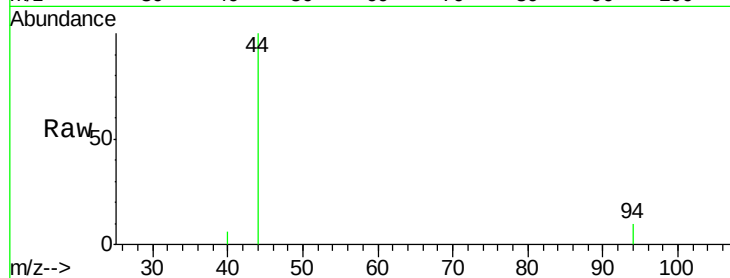
MW-1

Tot Ion: 94 Resp: 91

Ion Ratio Lower Upper

94 100

96 0.0 75.5 113.3#



Abundance Ion 93.90 (93.60 to 94.60): VU0

Ion 95.90 (95.60 to 96.60): VU0

1.62

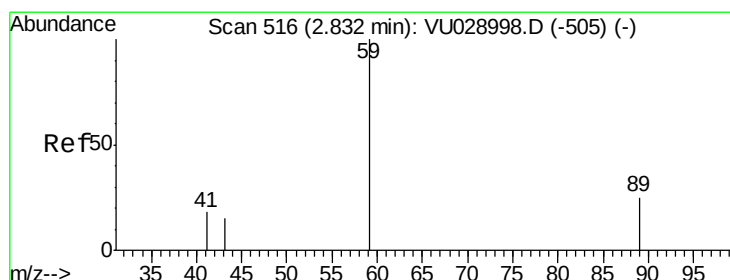
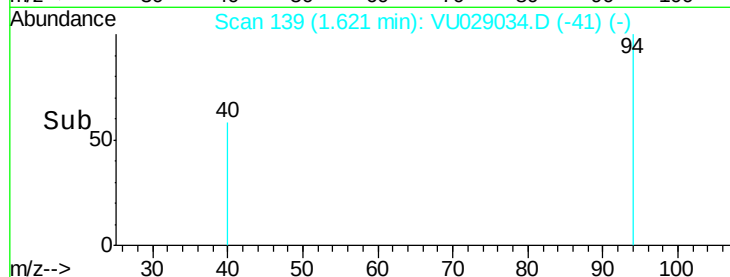
150

100

50

0

Time-->



#11

Tert butyl alcohol

Concen: 5.277 ug/l

RT: 2.84 min Scan# 519

Delta R.T. 0.01 min

Lab File: VU029034.D

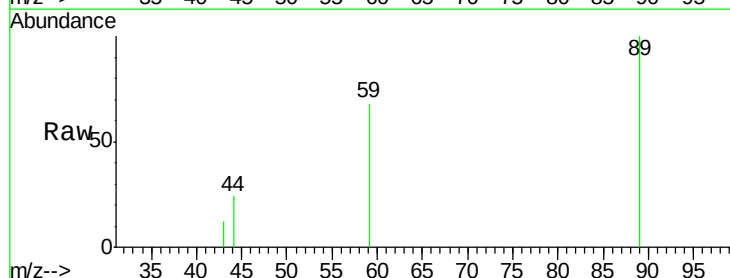
Acq: 04 Jan 2019 17:53

Tgt Ion: 59 Resp: 1877

Ion Ratio Lower Upper

59 100

57 0.0 7.9 11.9#



Abundance Ion 59.00 (58.70 to 59.70): VU0

Ion 57.00 (56.70 to 57.70): VU0

2.84

1000

800

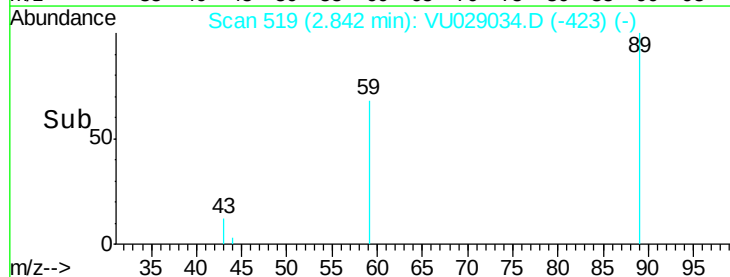
600

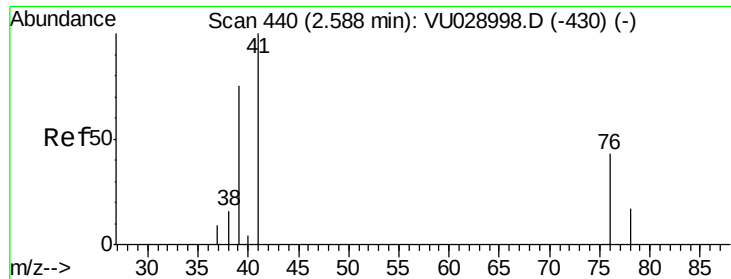
400

200

0

Time-->

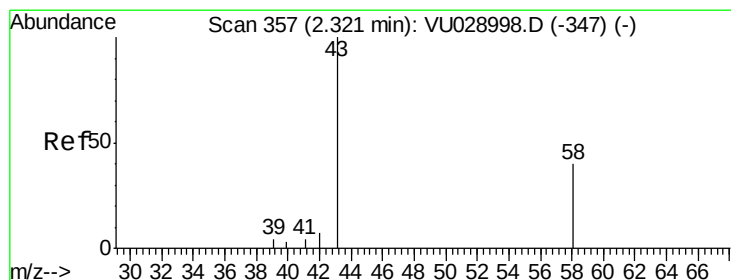
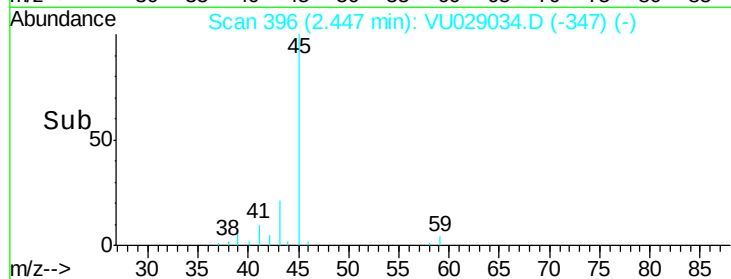
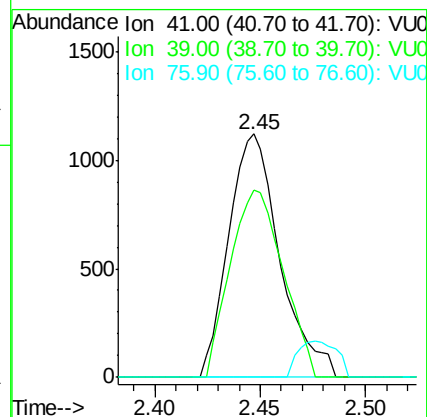
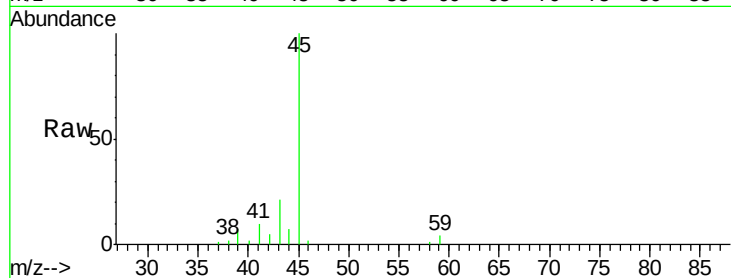




#14
Allvl chloride
Concen: 0.874 ug/l
RT: 2.45 min Scan# 396
Delta R.T. -0.14 min
Lab File: VU029034.D
Acq: 04 Jan 2019 17:53

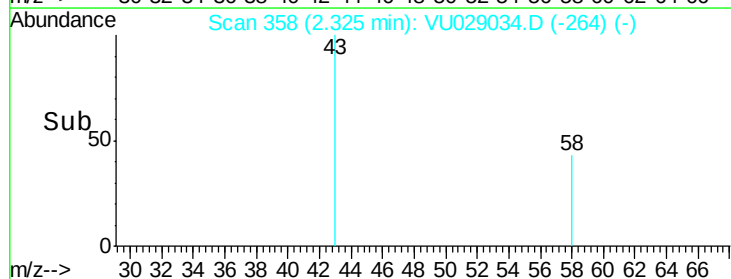
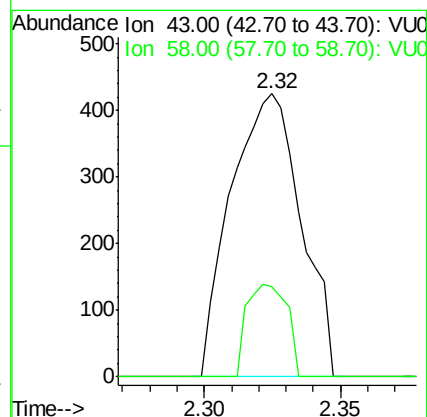
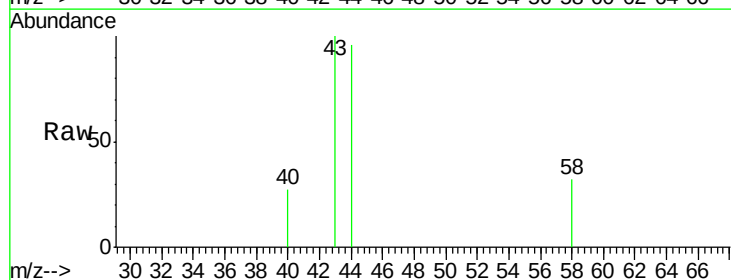
Instrument :
MSVOA_U
ClientSampleId :
MW-1

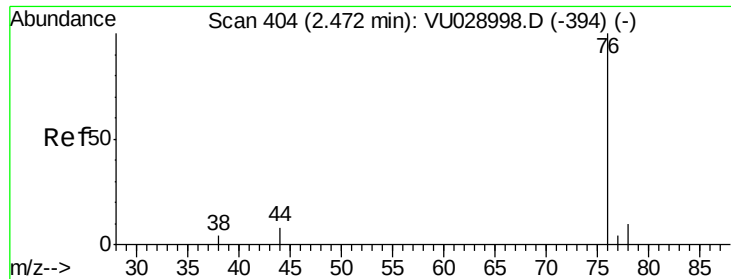
Tot Ion: 41 Resp: 1882
Ion Ratio Lower Upper
41 100
39 79.4 45.0 67.6#
76 0.0 28.1 42.1#



#16
Acetone
Concen: 0.859 ug/l
RT: 2.32 min Scan# 358
Delta R.T. 0.00 min
Lab File: VU029034.D
Acq: 04 Jan 2019 17:53

Tgt Ion: 43 Resp: 757
Ion Ratio Lower Upper
43 100
58 31.8 28.6 42.8





#17

Carbon Disulfide

Concen: Below Cal

RT: 2.48 min Scan# 405

Delta R.T. 0.00 min

Lab File: VU029034.D

Acq: 04 Jan 2019 17:53

Instrument :

MSVOA_U

ClientSampleId :

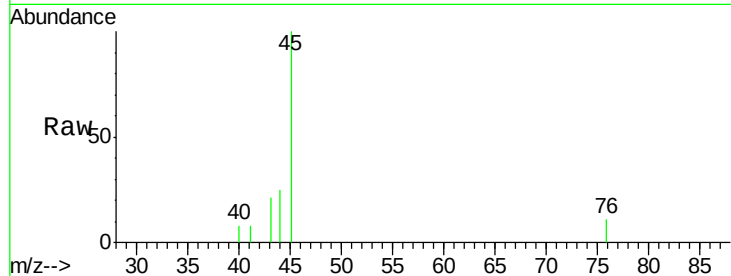
MW-1

Tot Ion: 76 Resp: 212

Ion Ratio Lower Upper

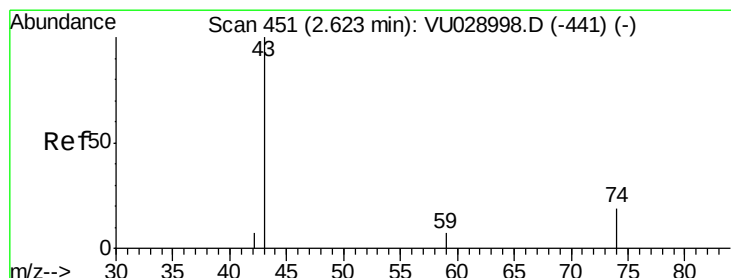
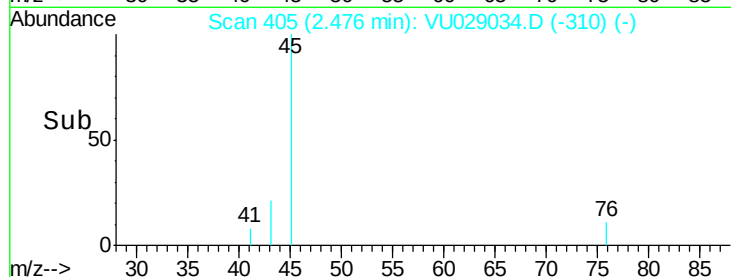
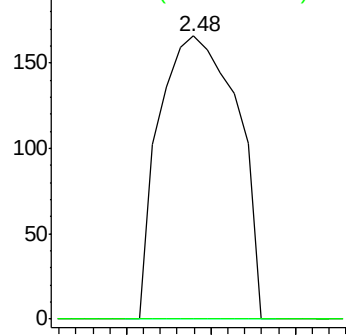
76 100

78 0.0 7.2 10.8#



Abundance Ion 75.90 (75.60 to 76.60): VU0

Ion 77.90 (77.60 to 78.60): VU0



#18

Methyl Acetate

Concen: 0.223 ug/l

RT: 2.62 min Scan# 451

Delta R.T. 0.01 min

Lab File: VU029034.D

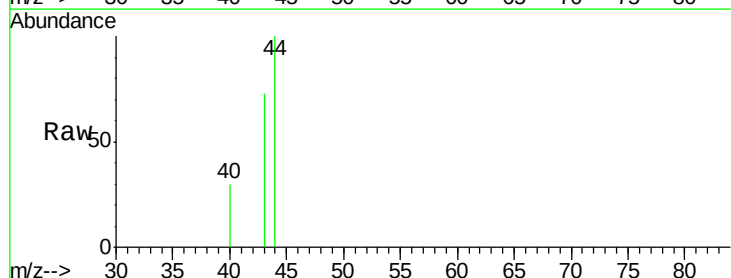
Acq: 04 Jan 2019 17:53

Tgt Ion: 43 Resp: 458

Ion Ratio Lower Upper

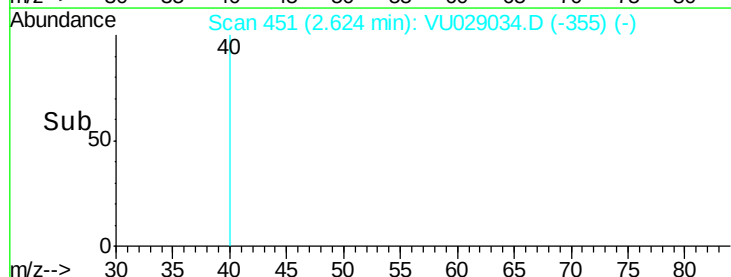
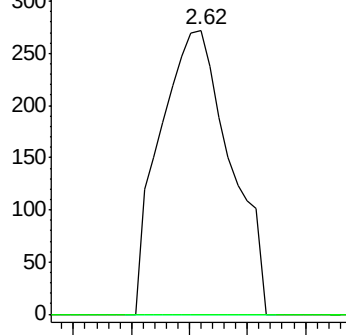
43 100

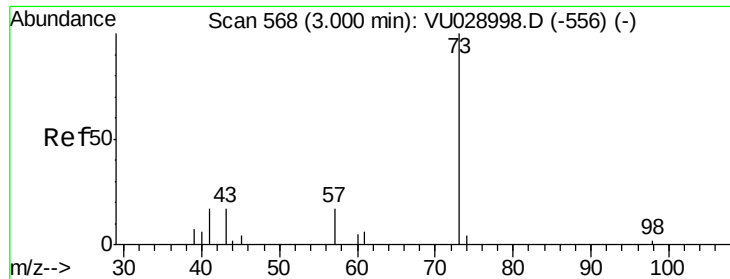
74 0.0 19.5 29.3#



Abundance Ion 43.00 (42.70 to 43.70): VU0

Ion 74.00 (73.70 to 74.70): VU0



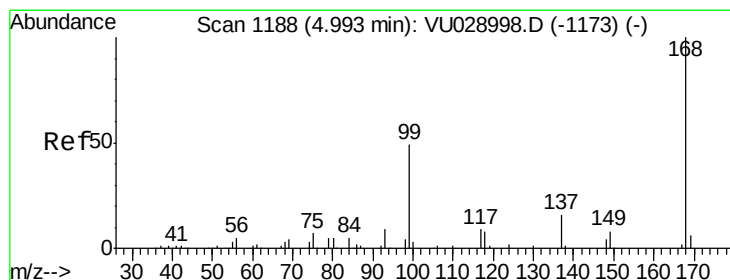
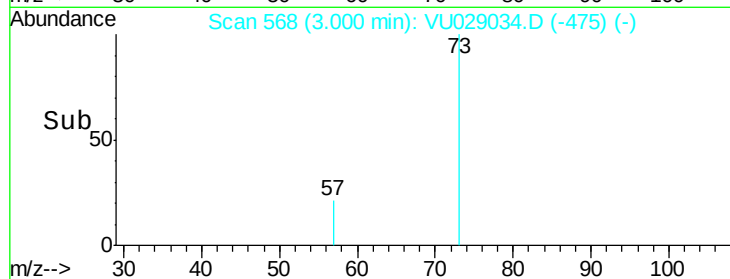
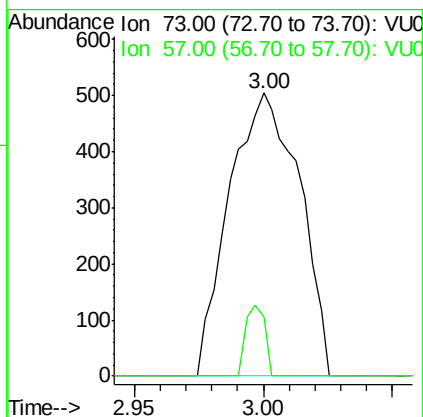
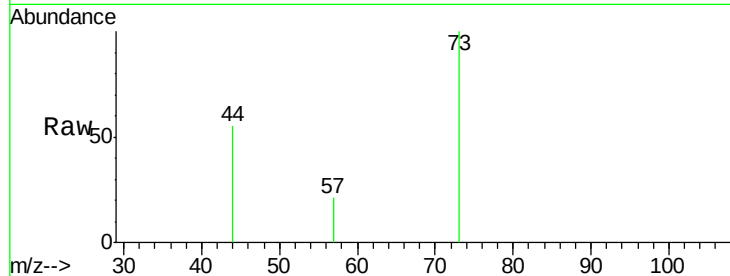


#19

Methyl tert-butyl Ether
 Concen: 0.232 ug/l
 RT: 3.00 min Scan# 568
 Delta R.T. 0.00 min
 Lab File: VU029034.D
 Acq: 04 Jan 2019 17:53

Instrument :
 MSVOA_U
 ClientSampleId :
 MW-1

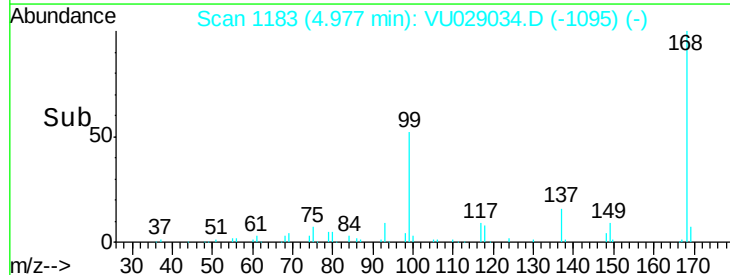
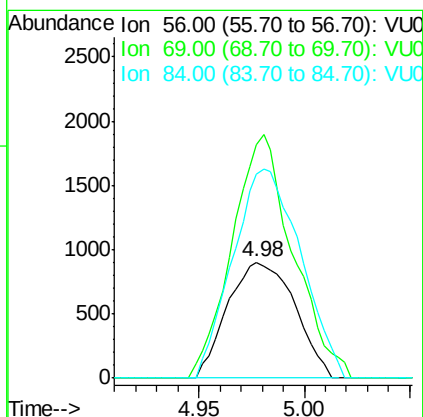
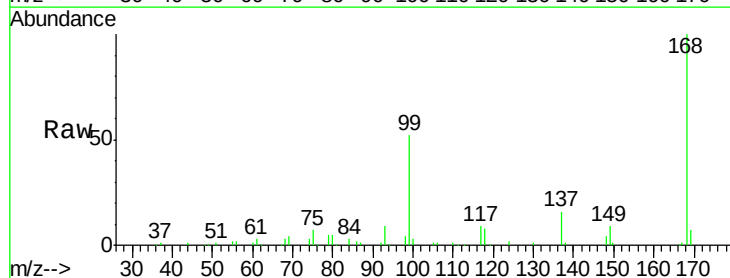
Tot Ion: 73 Resp: 957
 Ion Ratio Lower Upper
 73 100
 57 20.8 18.6 28.0

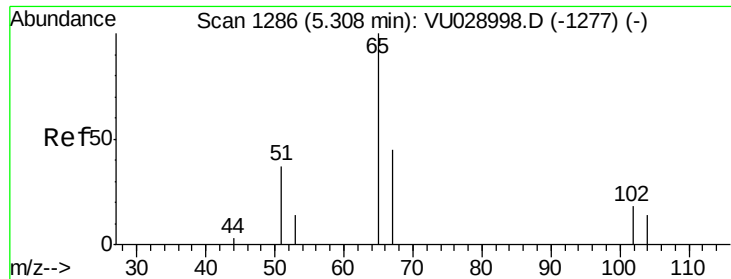


#31

Cyclohexane
 Concen: Below Cal
 RT: 4.98 min Scan# 1183
 Delta R.T. -0.02 min
 Lab File: VU029034.D
 Acq: 04 Jan 2019 17:53

Tgt Ion: 56 Resp: 1992
 Ion Ratio Lower Upper
 56 100
 69 201.6 26.7 40.1#
 84 176.2 65.7 98.5#

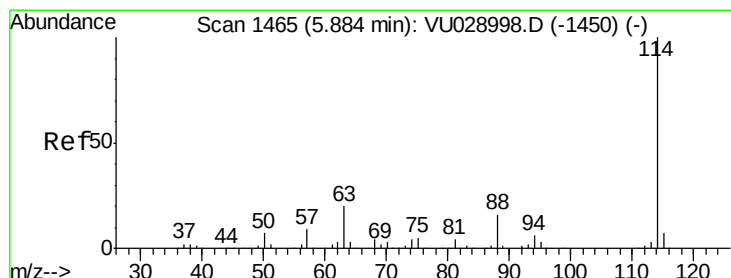
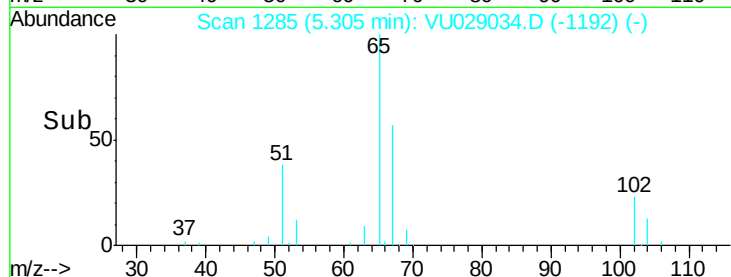
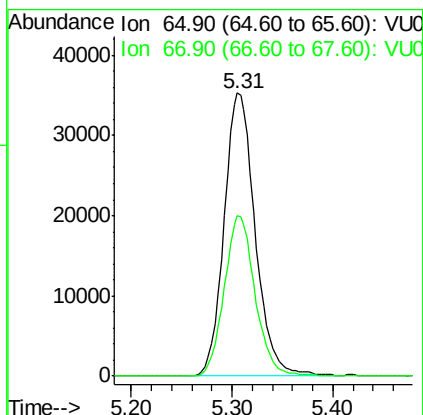
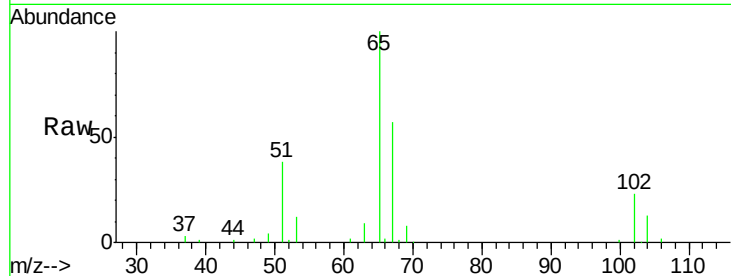




#33
 1,2-Dichloroethane-d4
 Concen: 54.126 ug/l
 RT: 5.31 min Scan# 1285
 Delta R.T. 0.00 min
 Lab File: VU029034.D
 Acq: 04 Jan 2019 17:53

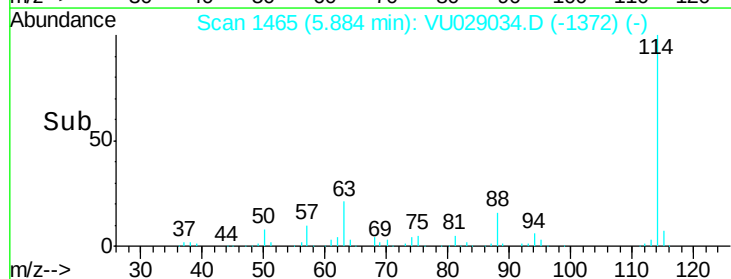
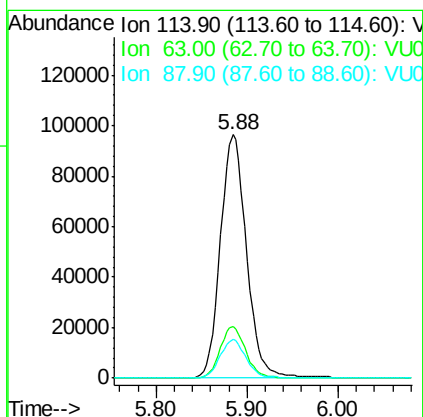
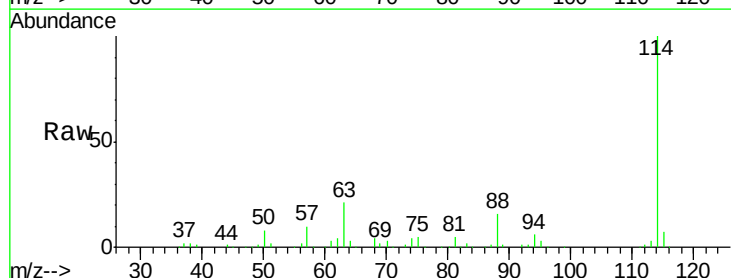
Instrument :
 MSVOA_U
 ClientSampled :
 MW-1

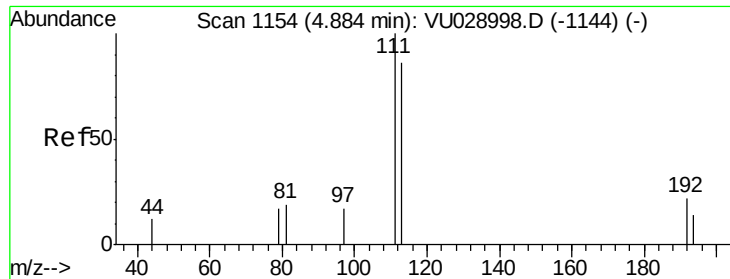
Tot Ion: 65 Resp: 75740
 Ion Ratio Lower Upper
 65 100
 67 56.2 0.0 111.0



#34
 1,4-Difluorobenzene
 Concen: 50.000 ug/l
 RT: 5.88 min Scan# 1465
 Delta R.T. 0.00 min
 Lab File: VU029034.D
 Acq: 04 Jan 2019 17:53

Tgt Ion: 114 Resp: 192552
 Ion Ratio Lower Upper
 114 100
 63 21.1 0.0 40.2
 88 15.8 0.0 30.4





#35

Dibromofluoromethane

Concen: 52.548 ug/l

RT: 4.88 min Scan# 1153

Delta R.T. 0.00 min

Lab File: VU029034.D

Acq: 04 Jan 2019 17:53

Instrument :

MSVOA_U

ClientSampleId :

MW-1

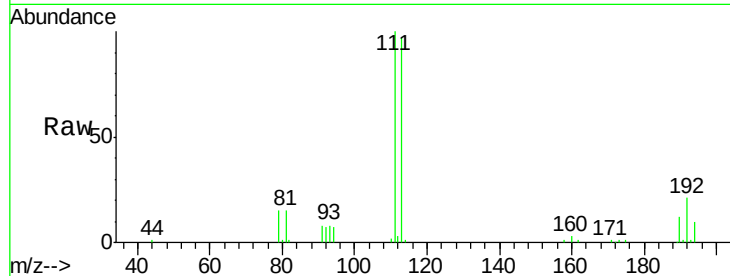
Tot Ion:113 Resp: 65589

Ion Ratio Lower Upper

113 100

111 102.4 81.4 122.2

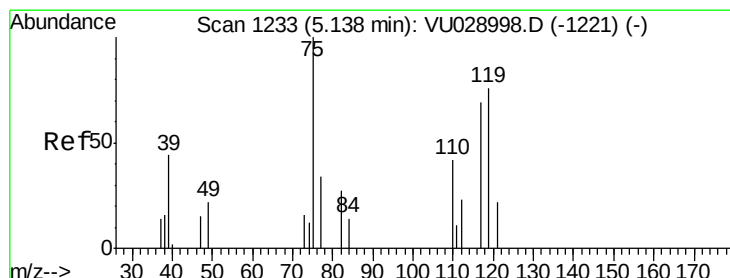
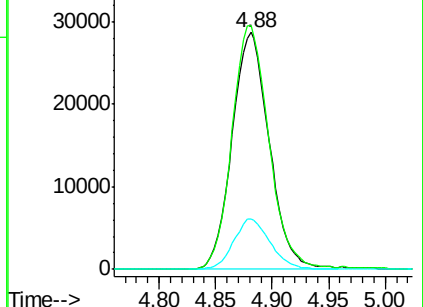
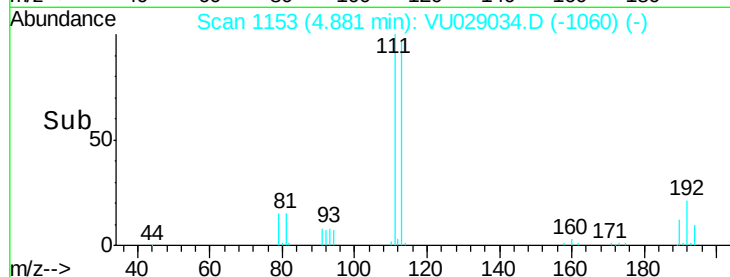
192 20.8 16.8 25.2



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: 4.319 ug/l

RT: 4.98 min Scan# 1183

Delta R.T. -0.16 min

Lab File: VU029034.D

Acq: 04 Jan 2019 17:53

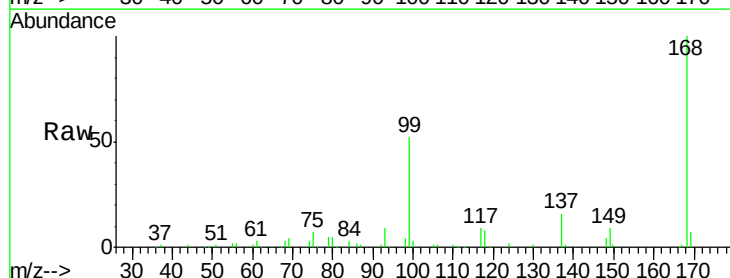
Tgt Ion: 75 Resp: 8312

Ion Ratio Lower Upper

75 100

110 6.4 18.4 55.4#

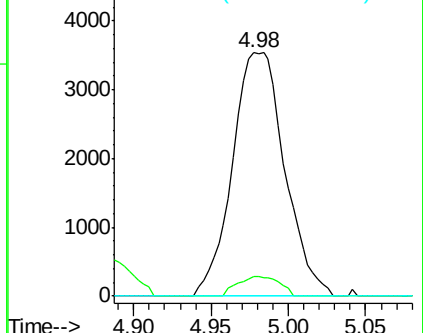
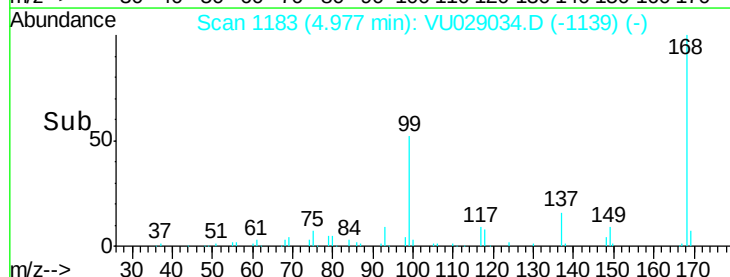
77 0.0 25.1 37.7#

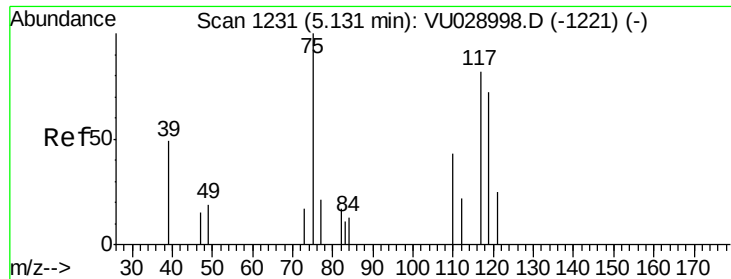


Abundance Ion 74.90 (74.60 to 75.60): VU0

Ion 109.90 (109.60 to 110.60): V

Ion 76.90 (76.60 to 77.60): VU0

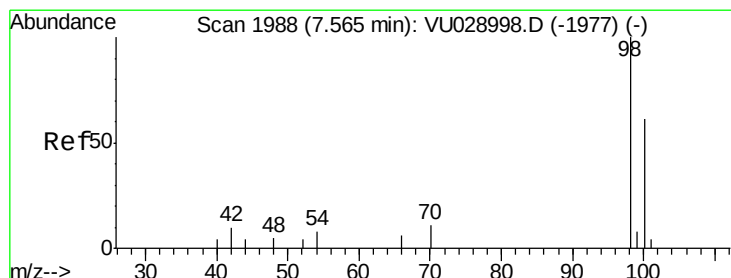
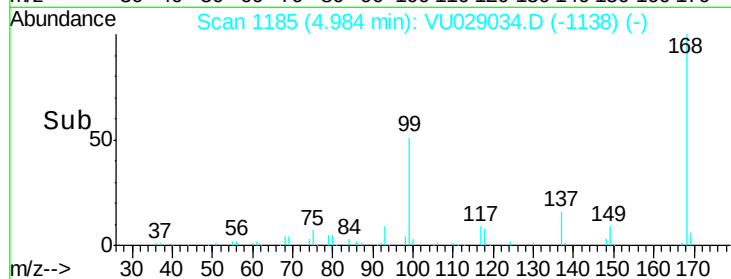
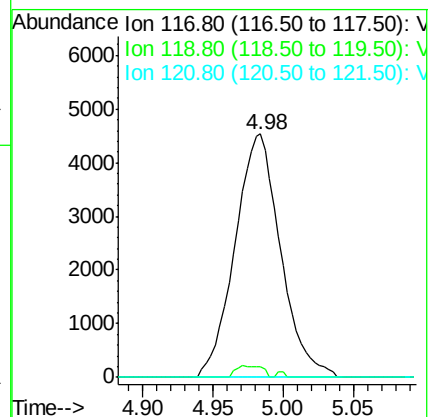
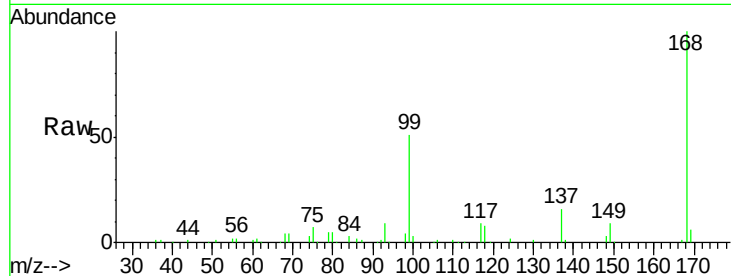




#38
Carbon Tetrachloride
Concen: 6.385 ug/l
RT: 4.98 min Scan# 1185
Delta R.T. -0.15 min
Lab File: VU029034.D
Acq: 04 Jan 2019 17:53

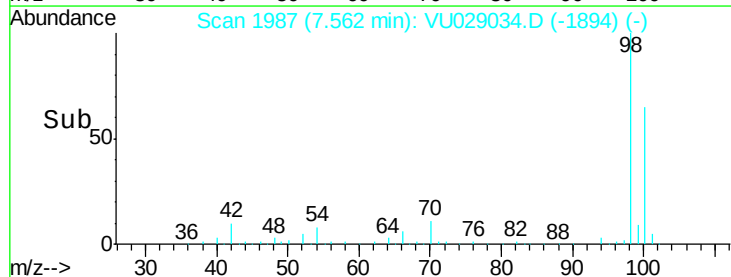
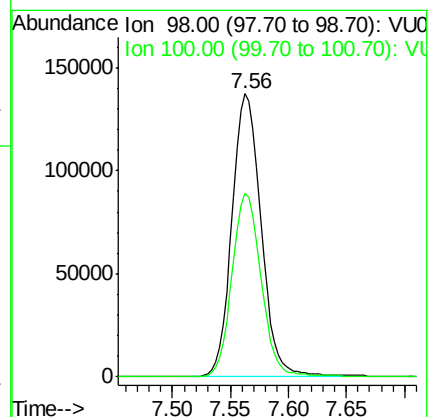
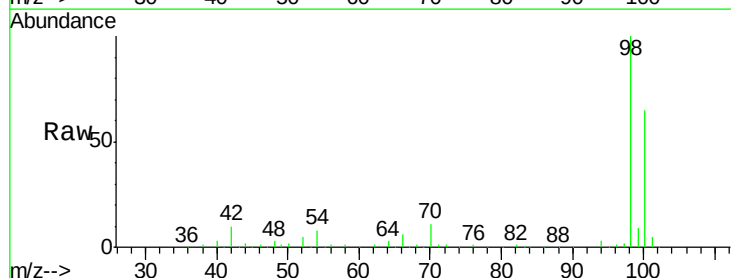
Instrument :
MSVOA_U
ClientSampled :
MW-1

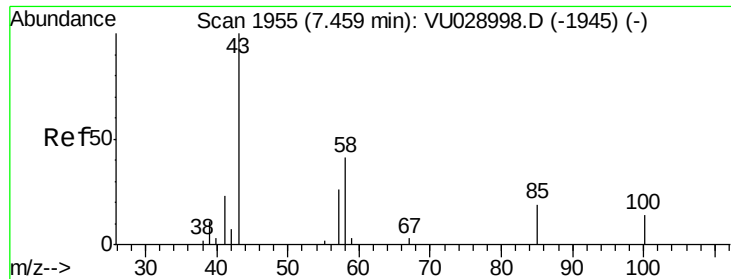
Tot Ion:117 Resp: 10249
Ion Ratio Lower Upper
117 100
119 4.1 74.6 111.8#
121 0.0 25.0 37.6#



#50
Toluene-d8
Concen: 48.720 ug/l
RT: 7.56 min Scan# 1987
Delta R.T. 0.00 min
Lab File: VU029034.D
Acq: 04 Jan 2019 17:53

Tgt Ion: 98 Resp: 240076
Ion Ratio Lower Upper
98 100
100 64.7 51.6 77.4





#51

4-Methyl-2-Pentanone

Concen: 0.409 ug/l

RT: 7.56 min Scan# 1987

Delta R.T. 0.10 min

Lab File: VU029034.D

Acq: 04 Jan 2019 17:53

Instrument :

MSVOA_U

ClientSampleId :

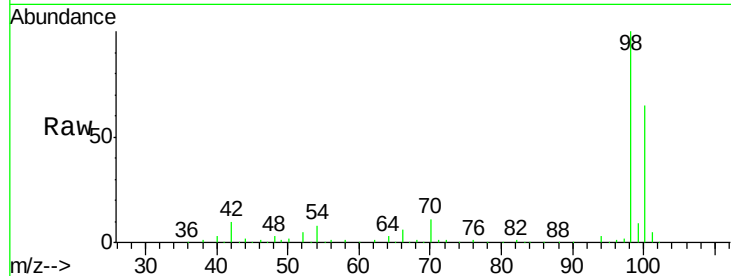
MW-1

Tot Ion: 43 Resp: 902

Ion Ratio Lower Upper

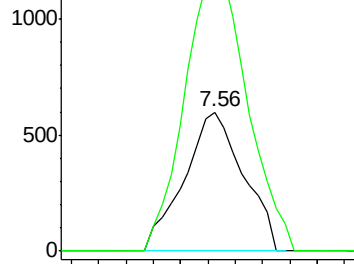
43 100

58 212.1 33.9 50.9#

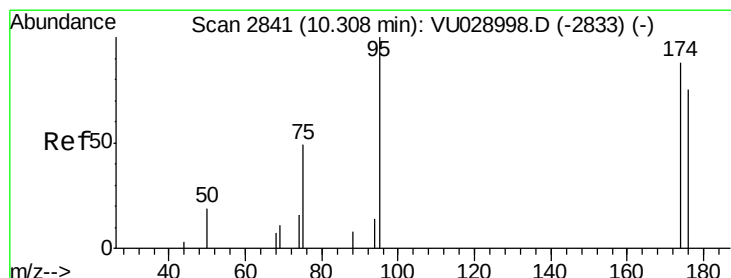
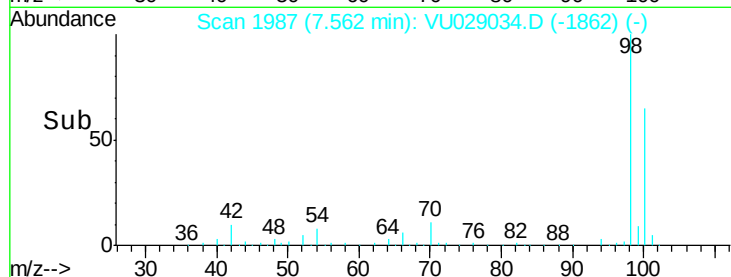


Abundance Ion 43.00 (42.70 to 43.70): VU0

Ion 58.00 (57.70 to 58.70): VU0



Time-->



#62

4-Bromofluorobenzene

Concen: 43.285 ug/l

RT: 10.31 min Scan# 2840

Delta R.T. 0.00 min

Lab File: VU029034.D

Acq: 04 Jan 2019 17:53

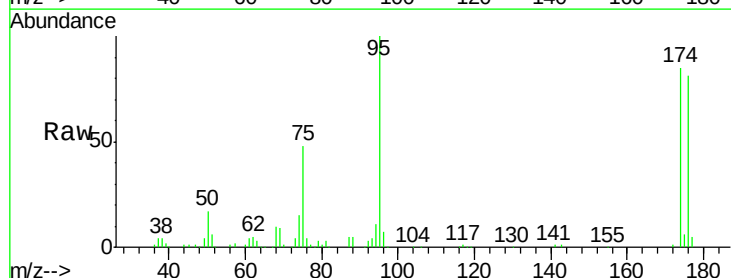
Tgt Ion: 95 Resp: 76654

Ion Ratio Lower Upper

95 100

174 85.0 0.0 170.6

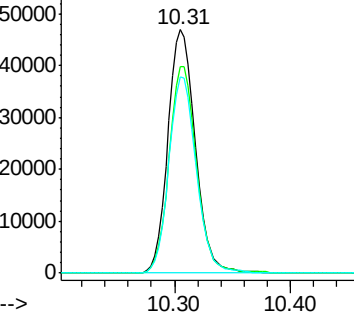
176 80.7 0.0 165.0



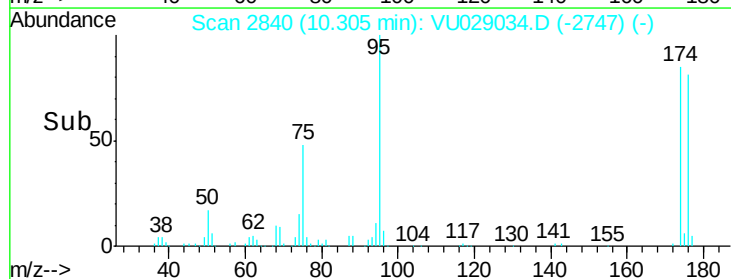
Abundance Ion 94.90 (94.60 to 95.60): VU0

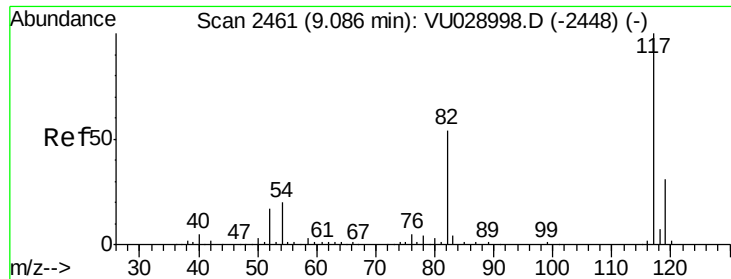
Ion 173.80 (173.50 to 174.50): V

Ion 175.80 (175.50 to 176.50): V



Time-->

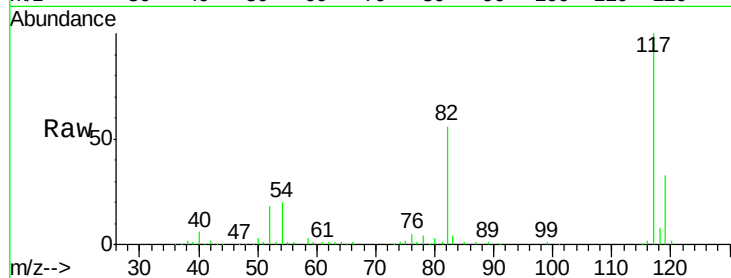




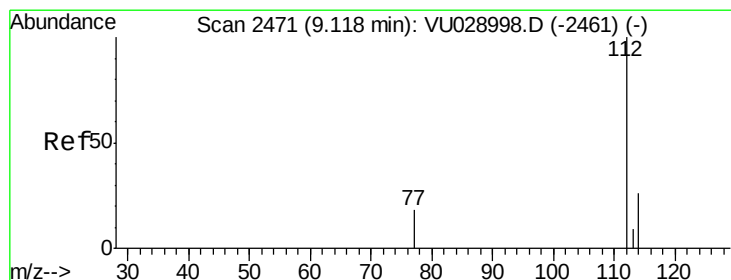
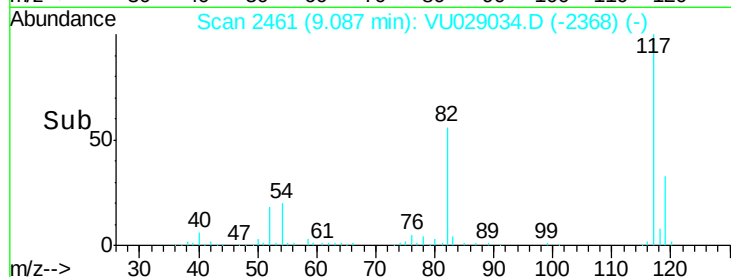
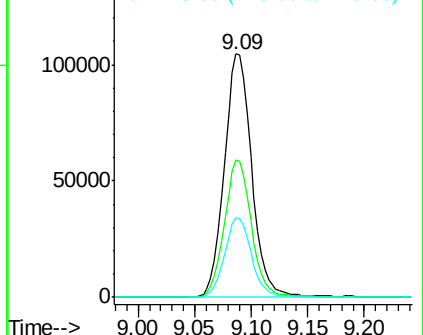
#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 9.09 min Scan# 2461
Delta R.T. 0.00 min
Lab File: VU029034.D
Acq: 04 Jan 2019 17:53

Instrument :
MSVOA_U
ClientSampleId :
MW-1

Tot Ion:117 Resp: 177034
Ion Ratio Lower Upper
117 100
82 56.4 43.9 65.9
119 32.6 26.0 39.0

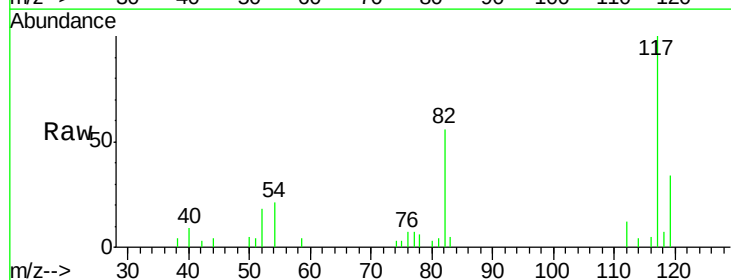


Abundance Ion 116.90 (116.60 to 117.60): V
Ion 82.00 (81.70 to 82.70): VU0
Ion 118.90 (118.60 to 119.60): V

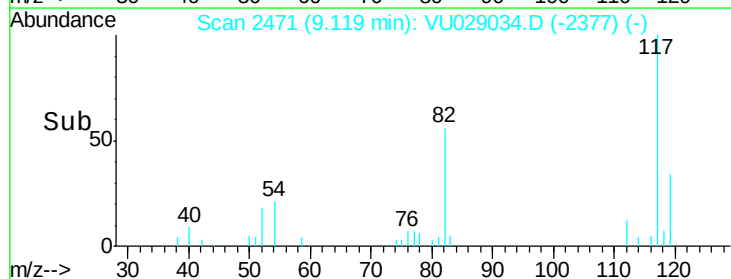
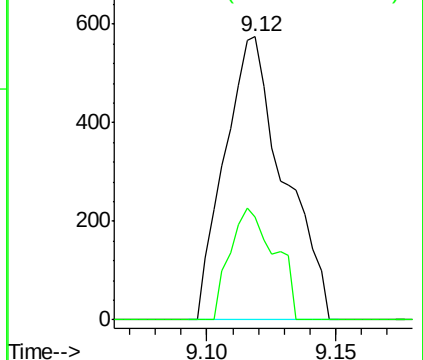


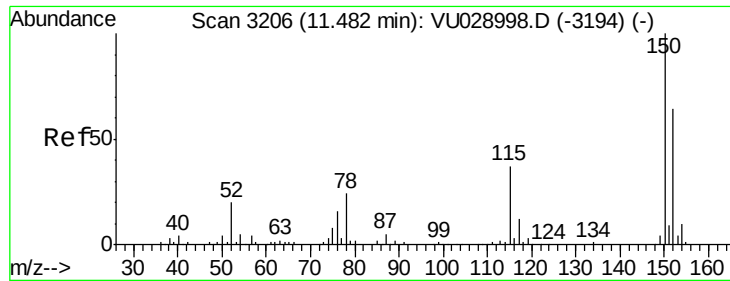
#65
Chlorobenzene
Concen: 0.232 ug/l
RT: 9.12 min Scan# 2471
Delta R.T. 0.00 min
Lab File: VU029034.D
Acq: 04 Jan 2019 17:53

Tgt Ion:112 Resp: 921
Ion Ratio Lower Upper
112 100
114 36.6 25.0 37.6



Abundance Ion 111.90 (111.60 to 112.60): V
Ion 113.90 (113.60 to 114.60): 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: VU029034.D

Acq: 04 Jan 2019 17:53

Instrument :

MSVOA_U

ClientSampleId :

MW-1

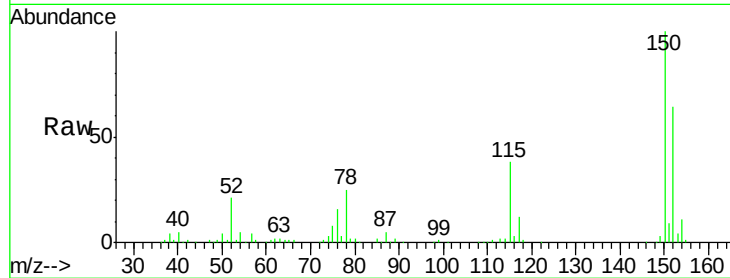
Tot Ion:152 Resp: 70139

Ion Ratio Lower Upper

152 100

115 58.5 40.1 120.3

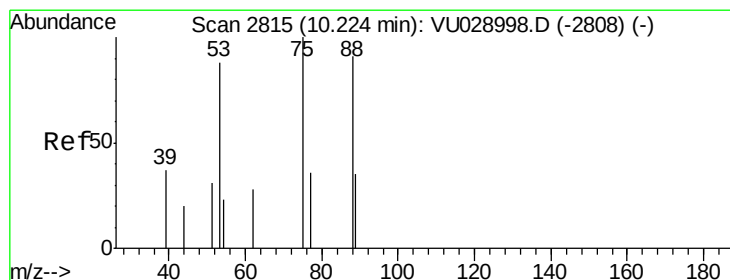
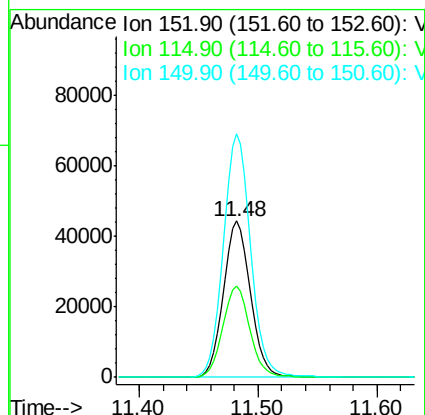
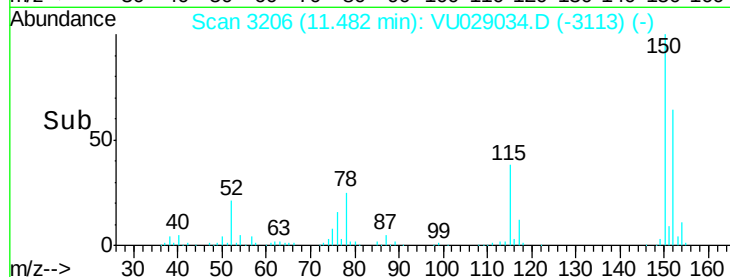
150 156.7 0.0 345.2



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: 20.695 ug/l

RT: 10.31 min Scan# 2840

Delta R.T. -0.19 min

Lab File: VU029034.D

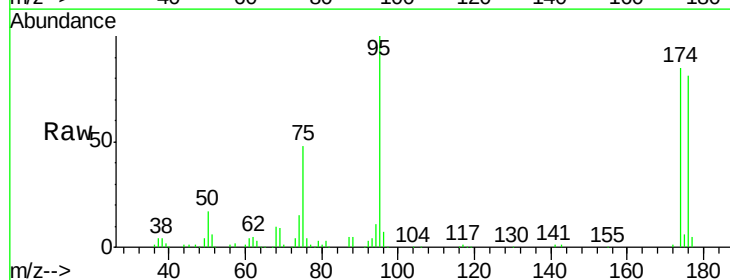
Acq: 04 Jan 2019 17:53

Tgt Ion: 75 Resp: 35564

Ion Ratio Lower Upper

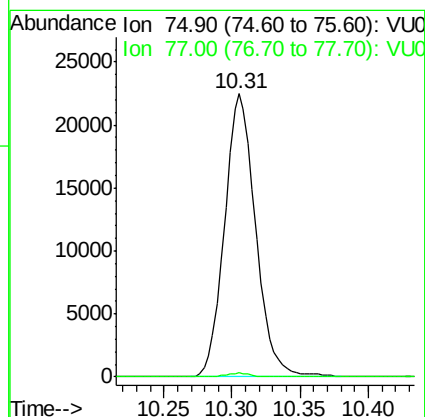
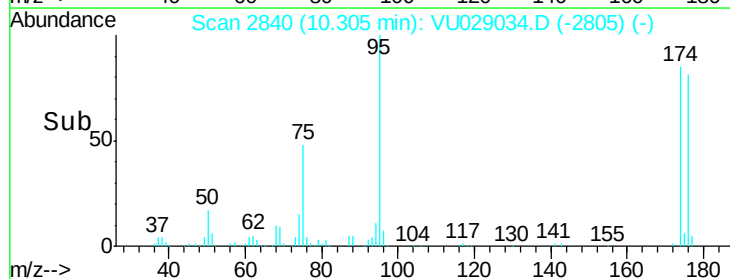
75 100

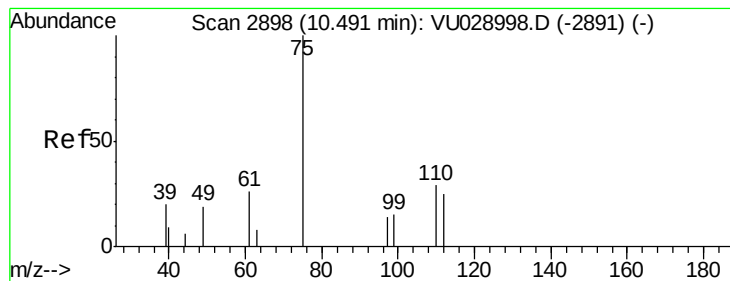
77 1.0 20.9 62.8#



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: 53.372 ug/l

RT: 10.31 min Scan# 2840

Delta R.T. -0.20 min

Lab File: VU029034.D

Acq: 04 Jan 2019 17:53

Instrument :

MSVOA_U

ClientSampleId :

MW-1

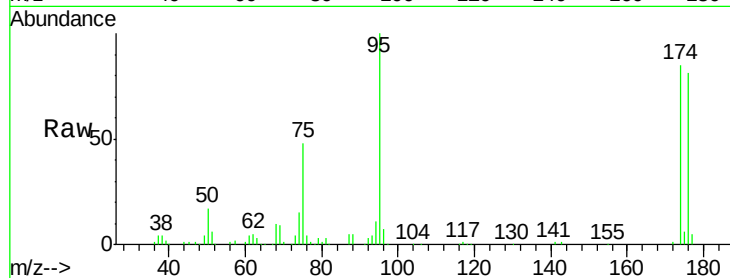
Tot Ion: 75 Resp: 35564

Ion Ratio Lower Upper

75 100

53 0.0 0.0 0.0

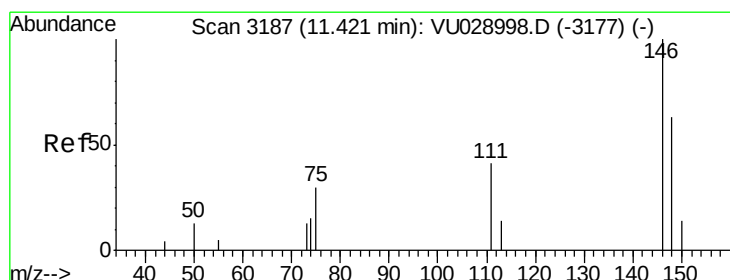
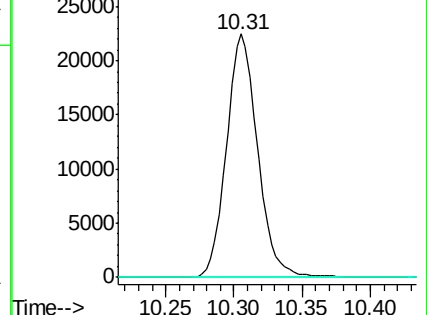
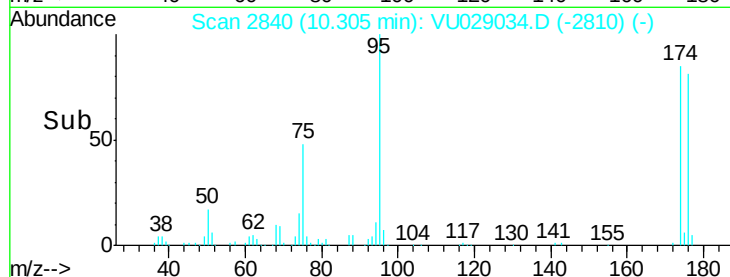
89 0.0 0.0 0.0



Abundance Ion 74.90 (74.60 to 75.60): VU028998.D (-2891) (-)

Ion 53.00 (52.70 to 53.70): VU028998.D (-2891) (-)

Ion 88.90 (88.60 to 89.60): VU028998.D (-2891) (-)



#87

1,3-Dichlorobenzene

Concen: 0.967 ug/l

RT: 11.42 min Scan# 3186

Delta R.T. 0.00 min

Lab File: VU029034.D

Acq: 04 Jan 2019 17:53

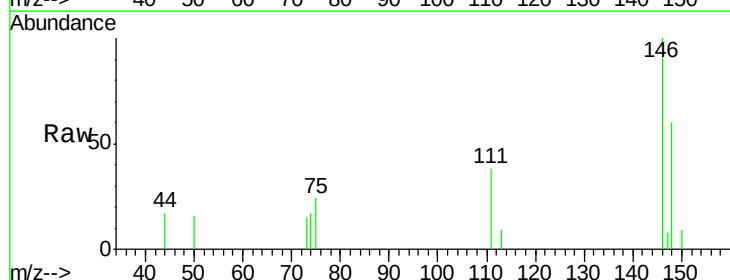
Tgt Ion: 146 Resp: 2399

Ion Ratio Lower Upper

146 100

111 36.2 19.3 57.8

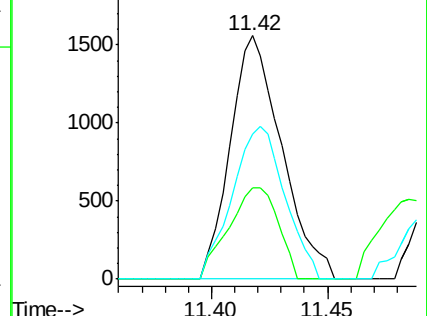
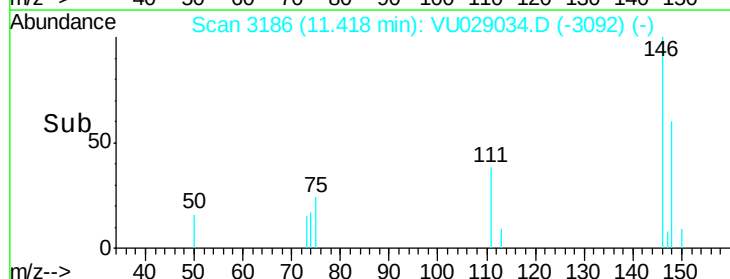
148 63.9 32.5 97.5

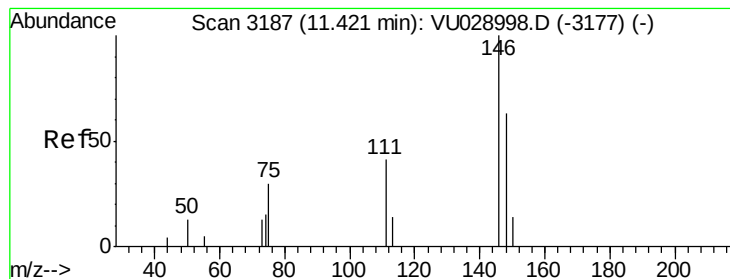


Abundance Ion 145.90 (145.60 to 146.60): VU028998.D (-3177) (-)

Ion 110.90 (110.60 to 111.60): VU028998.D (-3177) (-)

Ion 147.90 (147.60 to 148.60): VU028998.D (-3177) (-)





#88

1,4-Dichlorobenzene

Concen: 0.890 ug/l

RT: 11.50 min Scan# 3213

Delta R.T. 0.00 min

Lab File: VU029034.D

Acq: 04 Jan 2019 17:53

Instrument :

MSVOA_U

ClientSampleId :

MW-1

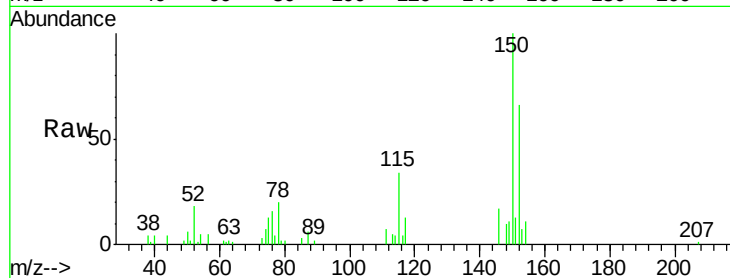
Tot Ion:146 Resp: 2279

Ion Ratio Lower Upper

146 100

111 30.1 19.1 57.3

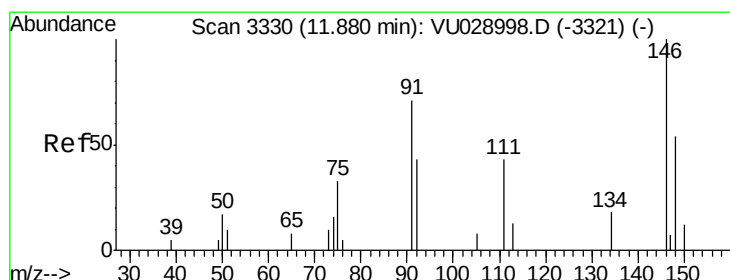
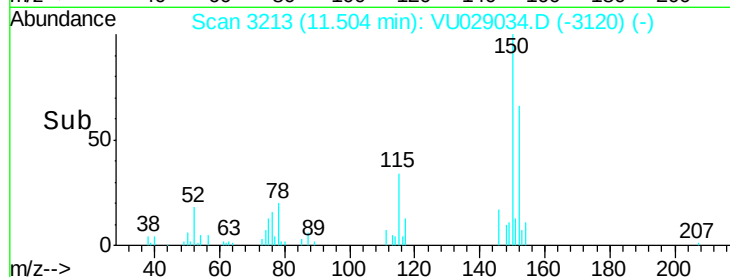
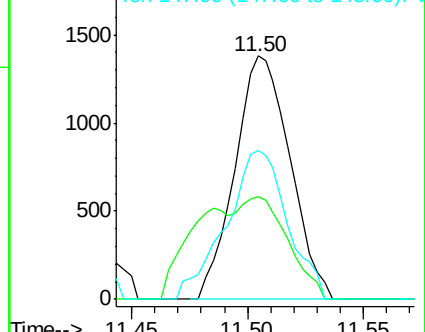
148 68.0 32.6 98.0



Abundance Ion 145.90 (145.60 to 146.60): V

Ion 110.90 (110.60 to 111.60): V

Ion 147.90 (147.60 to 148.60): V



#91

1,2-Dichlorobenzene

Concen: 3.025 ug/l

RT: 11.88 min Scan# 3330

Delta R.T. 0.00 min

Lab File: VU029034.D

Acq: 04 Jan 2019 17:53

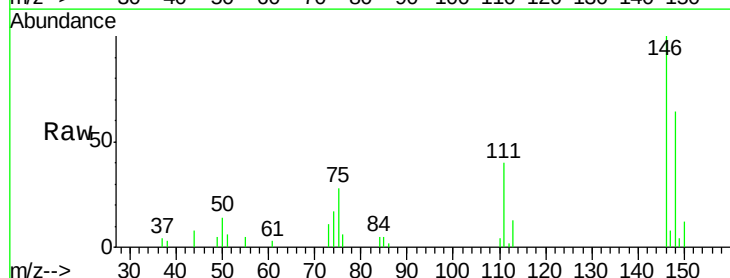
Tgt Ion:146 Resp: 7561

Ion Ratio Lower Upper

146 100

111 40.4 20.0 59.9

148 62.3 31.6 94.8



Abundance Ion 145.90 (145.60 to 146.60): V

Ion 110.90 (110.60 to 111.60): V

Ion 147.90 (147.60 to 148.60): V

