

Data Path : Z:\VOASRV\HPCHEM1\MSVOA U\DATA\U111218\
 Data File : VU028064.D
 Acq On : 12 Nov 2018 14:57
 Operator : MD/SY
 Sample : J5885-04DL 100X
 Misc : 5.0mL/MSVOA U/WATER
 ALS Vial : 11 Sample Multiplier: 1

Instrument :
 MSVOA_U
 ClientSampleId :
 MW-2DL

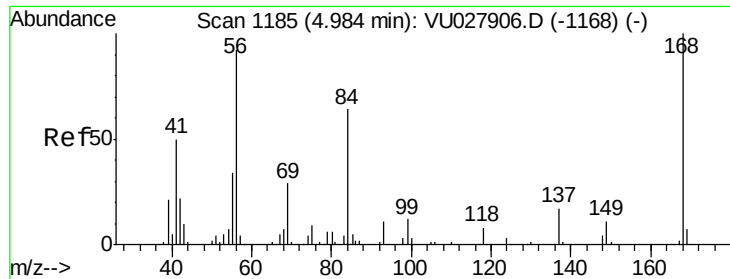
Quant Time: Nov 13 02:45:14 2018
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_U\METHOD\82U110218W.M
 Quant Title : SW846 8260
 QLast Update : Fri Nov 02 02:28:20 2018
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	4.98	168	170062	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	5.89	114	325828	50.00	ug/l	0.00
63) Chlorobenzene-d5	9.09	117	292205	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	11.48	152	111741	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	151416	59.89	ug/l	0.00
Spiked Amount			Recovery	=	119.78%	
35) Dibromofluoromethane	4.88	113	109463	53.28	ug/l	0.00
Spiked Amount			Recovery	=	106.56%	
50) Toluene-d8	7.57	98	424934	53.55	ug/l	0.00
Spiked Amount			Recovery	=	107.10%	
62) 4-Bromofluorobenzene	10.31	95	138097	47.18	ug/l	0.00
Spiked Amount			Recovery	=	94.36%	

Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
4) Vinyl Chloride	1.40	62	308892	119.084	ug/l	100
6) Chloroethane	1.40	64	70995	47.495	ug/l #	42
11) Tert butyl alcohol	2.84	59	1509	2.254	ug/l #	73
13) Acrolein	2.19	56	77	Below Cal	#	1
16) Acetone	2.32	43	701	0.447	ug/l	95
20) Methylene Chloride	2.70	84	562	0.245	ug/l	95
21) trans-1,2-Dichloroethene	2.98	96	2109	1.025	ug/l	83
27) cis-1,2-Dichloroethene	4.23	96	379259	164.425	ug/l	90
31) Cyclohexane	4.99	56	4109	Below Cal	#	1
36) 1,1-Dichloropropene	4.98	75	15443	4.525	ug/l #	46
38) Carbon Tetrachloride	4.98	117	18215	6.023	ug/l #	16
44) Trichloroethene	6.19	130	3003	1.339	ug/l	86
51) 4-Methyl-2-Pentanone	7.57	43	2038	0.390	ug/l #	1
60) Dibromochloromethane	8.23	129	5345	2.263	ug/l #	10
64) Tetrachloroethene	8.23	164	6148	3.245	ug/l	95
76) 1,2,3-Trichloropropane	10.31	75	73351	23.999	ug/l #	34
81) trans-1,4-Dichloro-2-buten	10.31	75	73351	59.868	ug/l #	100

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



#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 4.98 min Scan# 1185

Delta R.T. -0.00 min

Lab File: VU028064.D

Acq: 12 Nov 2018 14:57

Instrument :

MSVOA_U

ClientSampleId :

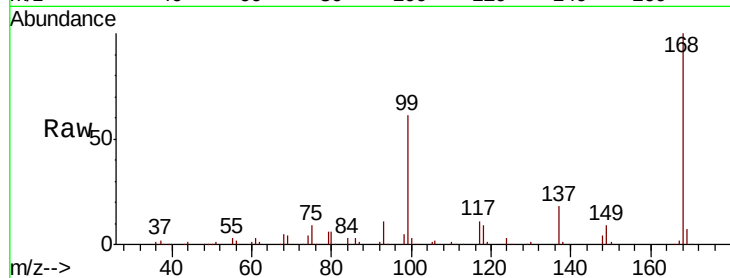
MW-2DL

Tot Ion:168 Resp: 170062

Ion Ratio Lower Upper

168 100

99 61.3 47.9 71.9



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

Ion 98.90 (98.60 to 99.60): VU028064.D (-1092) (-)

4.98

80000

60000

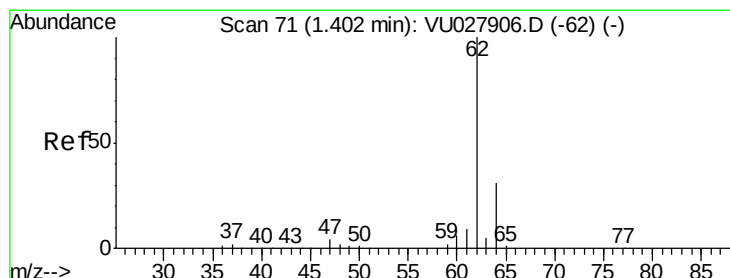
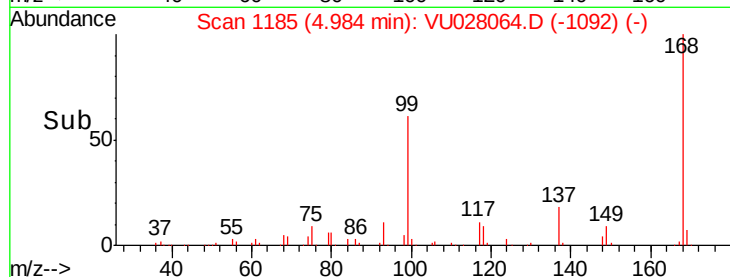
40000

20000

0

4.90 4.95 5.00 5.05 5.10

Time-->



#4

Vinyl Chloride

Concen: 119.084 ug/l

RT: 1.40 min Scan# 72

Delta R.T. 0.00 min

Lab File: VU028064.D

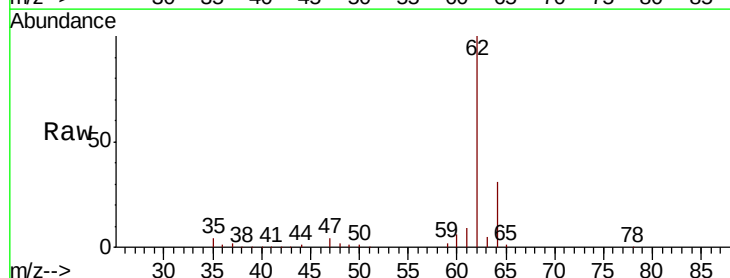
Acq: 12 Nov 2018 14:57

Tgt Ion: 62 Resp: 308892

Ion Ratio Lower Upper

62 100

64 31.3 25.2 37.8



Abundance Ion 61.90 (61.60 to 62.60): VU027906.D (-62) (-)

Ion 63.90 (63.60 to 64.60): VU028064.D (-1) (-)

1.40

300000

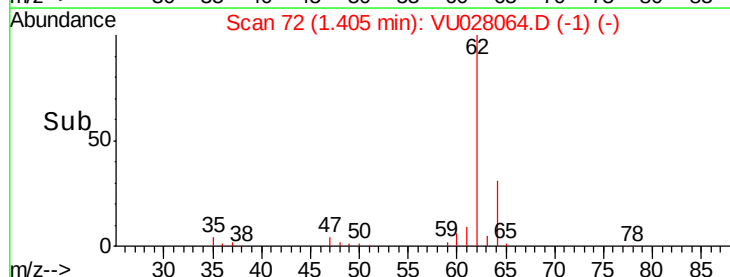
200000

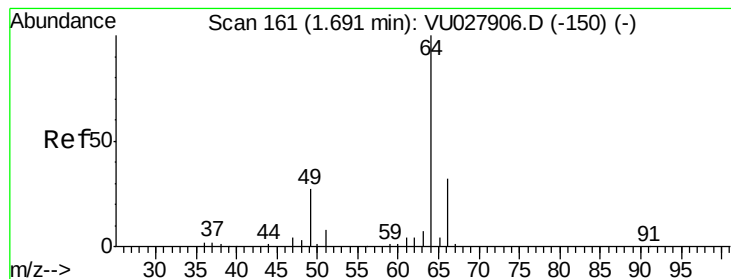
100000

0

1.35 1.40 1.45 1.50

Time-->





#6

Chloroethane

Concen: 47.495 ug/l

RT: 1.40 min Scan# 72

Delta R.T. -0.29 min

Lab File: VU028064.D

Acq: 12 Nov 2018 14:57

Instrument :

MSVOA_U

ClientSampleId :

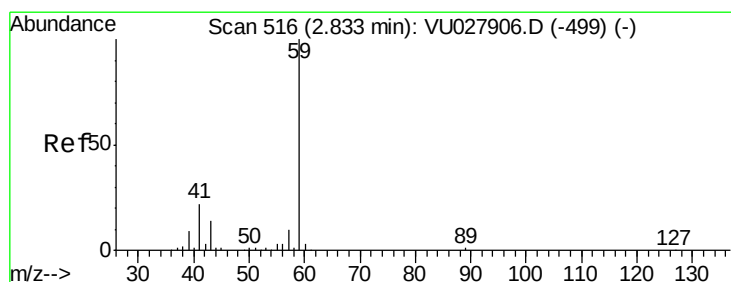
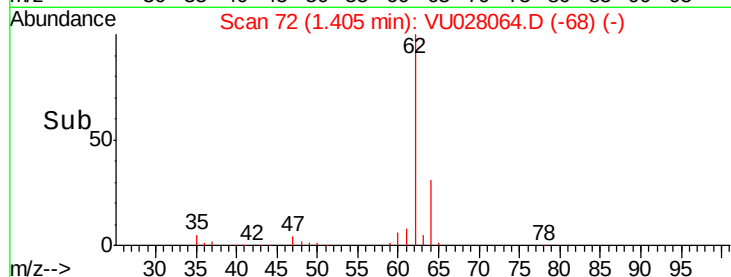
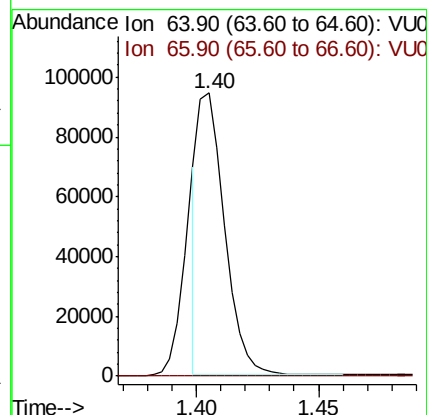
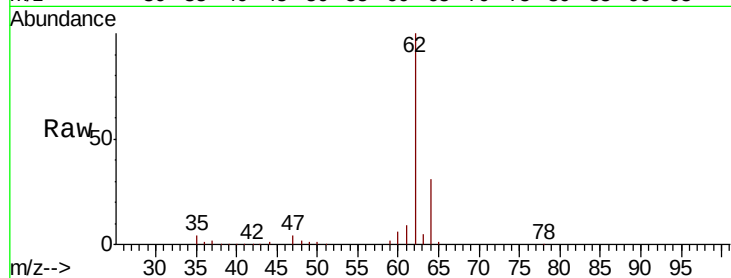
MW-2DL

Tot Ion: 64 Resp: 70995

Ion Ratio Lower Upper

64 100

66 0.0 25.9 38.9#



#11

Tert butyl alcohol

Concen: 2.254 ug/l

RT: 2.84 min Scan# 519

Delta R.T. 0.01 min

Lab File: VU028064.D

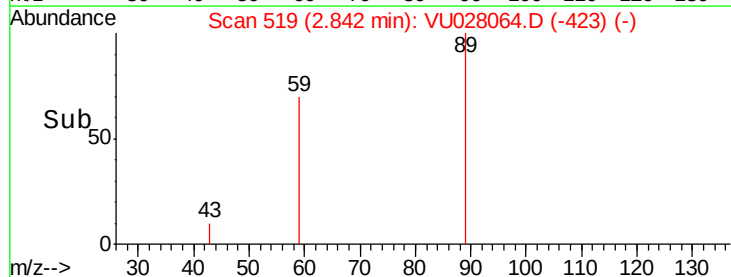
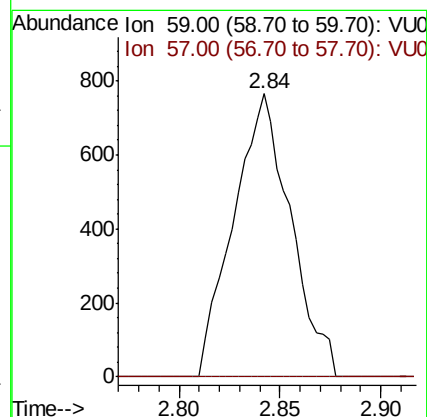
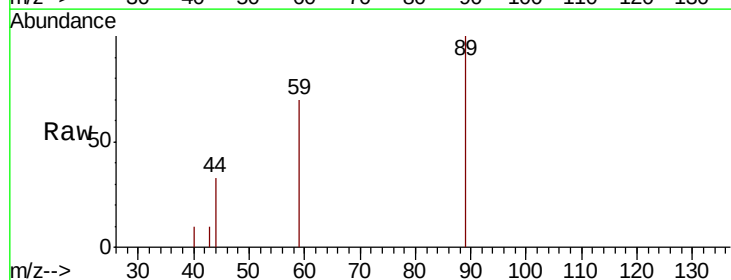
Acq: 12 Nov 2018 14:57

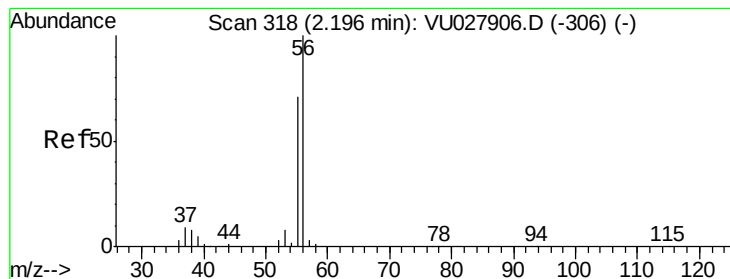
Tgt Ion: 59 Resp: 1509

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: VU028064.D

Acq: 12 Nov 2018 14:57

Instrument :

MSVOA_U

ClientSampleId :

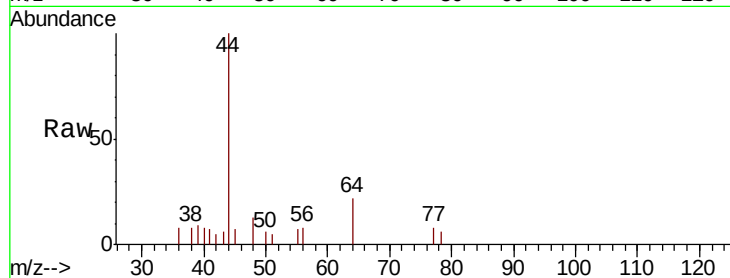
MW-2DL

Tot Ion: 56 Resp: 77

Ion Ratio Lower Upper

56 100

55 223.4 56.2 84.4#



Abundance Ion 56.00 (55.70 to 56.70): VU0

Ion 55.00 (54.70 to 55.70): VU0

2.19

150

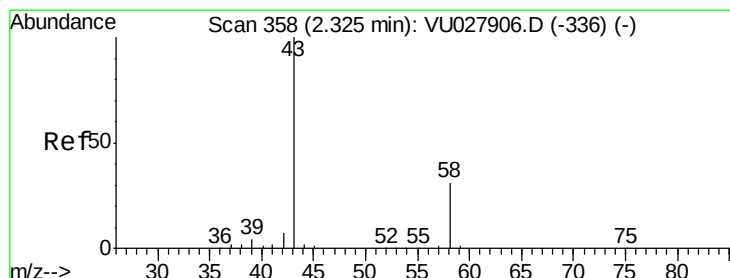
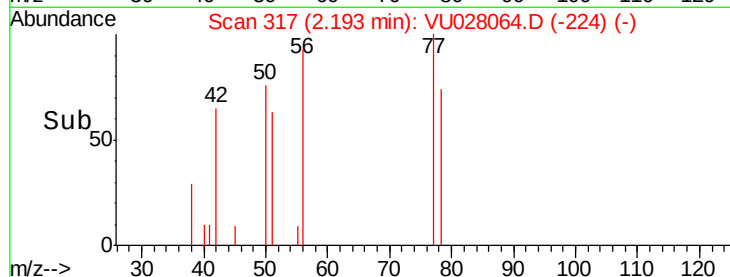
100

50

0

2.18 2.19 2.20

Time-->



#16

Acetone

Concen: 0.447 ug/l

RT: 2.32 min Scan# 357

Delta R.T. -0.00 min

Lab File: VU028064.D

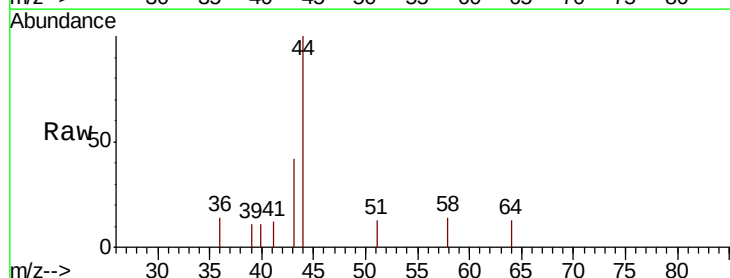
Acq: 12 Nov 2018 14:57

Tgt Ion: 43 Resp: 701

Ion Ratio Lower Upper

43 100

58 33.5 24.6 37.0



Abundance Ion 43.00 (42.70 to 43.70): VU0

Ion 58.00 (57.70 to 58.70): VU0

500

400

300

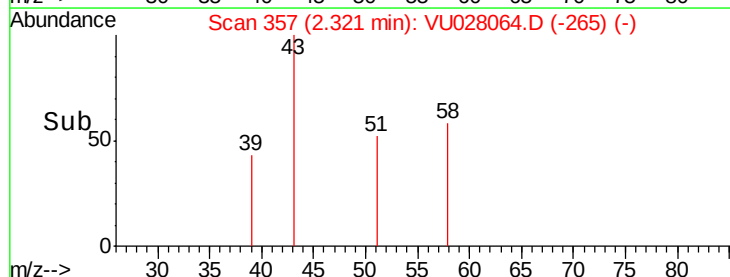
200

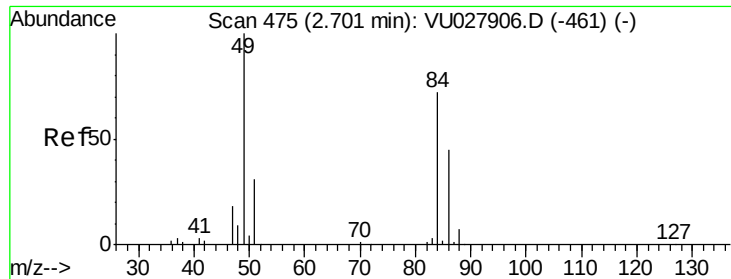
100

0

2.30 2.32 2.34 2.36

Time-->

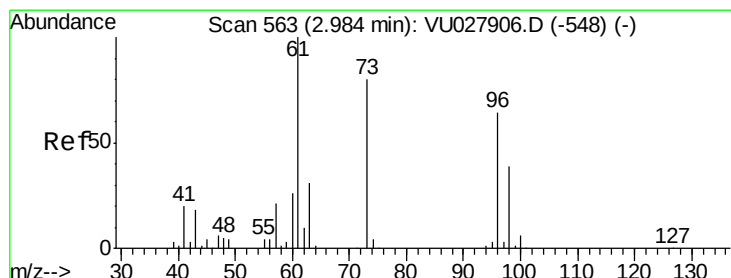
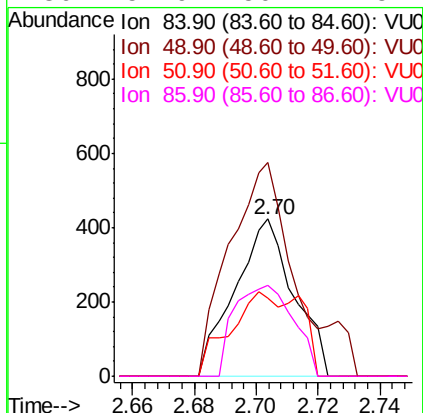
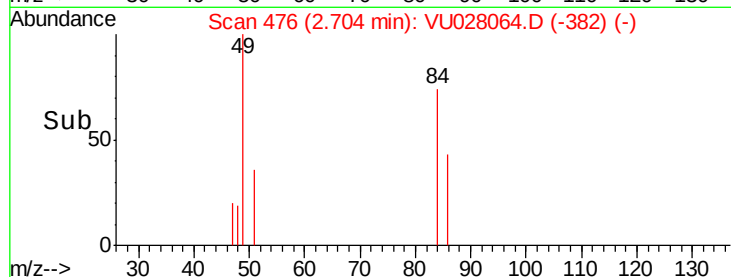
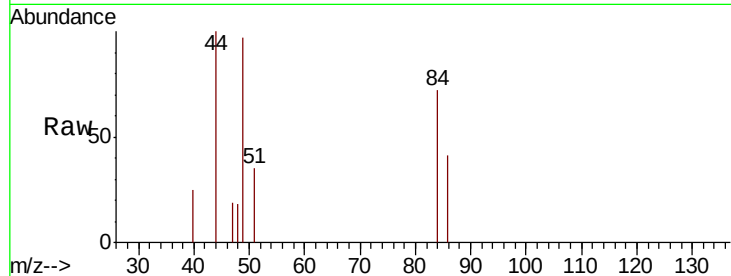




#20
Methylene Chloride
Concen: 0.245 ug/l
RT: 2.70 min Scan# 476
Delta R.T. 0.00 min
Lab File: VU028064.D
Acq: 12 Nov 2018 14:57

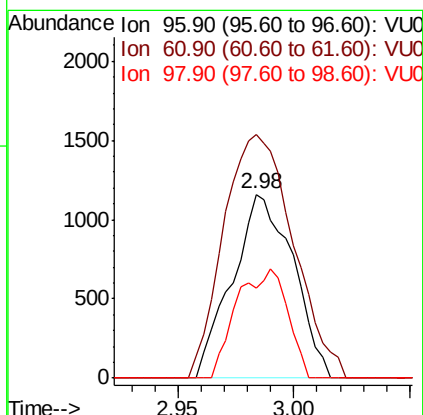
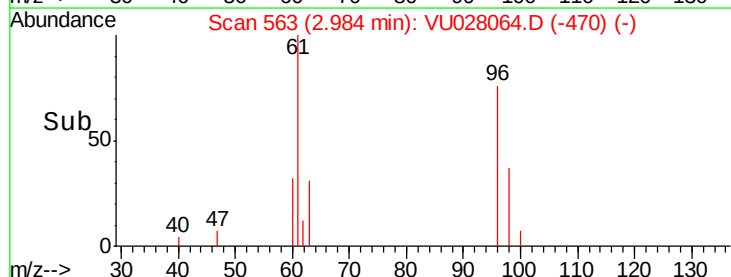
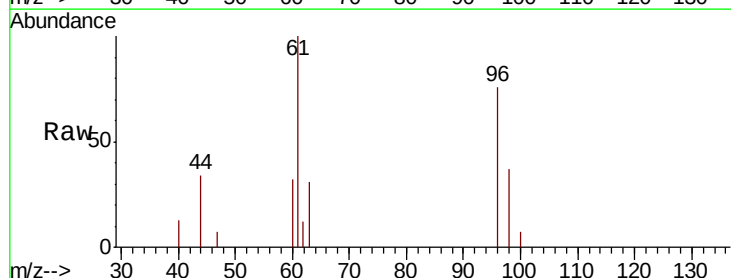
Instrument :
MSVOA_U
ClientSampleId :
MW-2DL

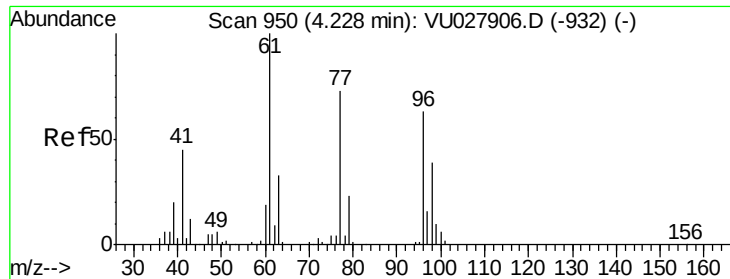
Tot Ion:	84	Resp:	562
Ion	Ratio	Lower	Upper
84	100		
49	135.9	111.6	167.4
51	49.4	34.8	52.2
86	57.9	50.1	75.1



#21
trans-1,2-Dichloroethene
Concen: 1.025 ug/l
RT: 2.98 min Scan# 563
Delta R.T. -0.00 min
Lab File: VU028064.D
Acq: 12 Nov 2018 14:57

Tgt Ion:	96	Resp:	2109
Ion	Ratio	Lower	Upper
96	100		
61	132.4	125.0	187.6
98	49.2	48.2	72.4



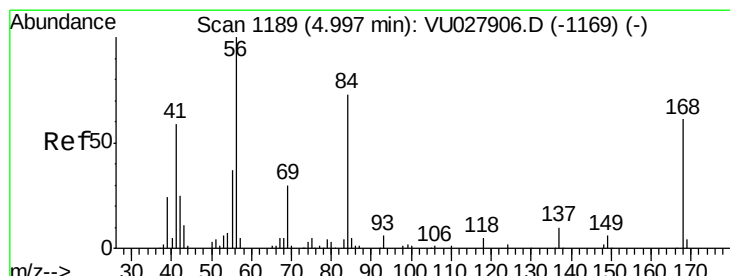
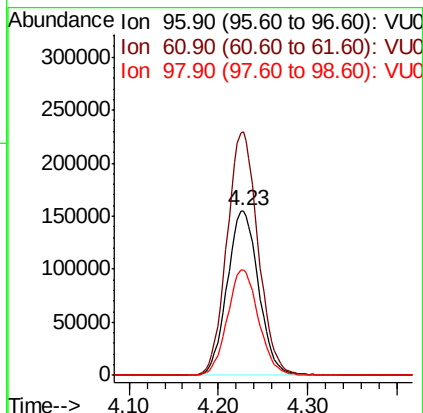
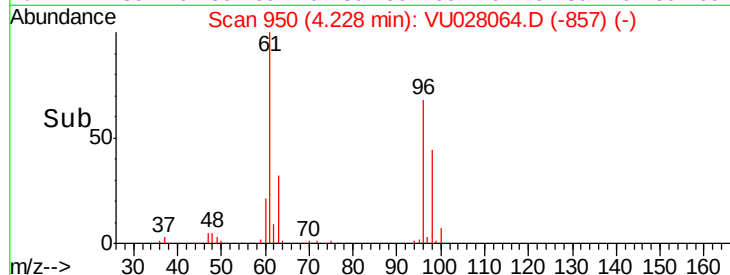
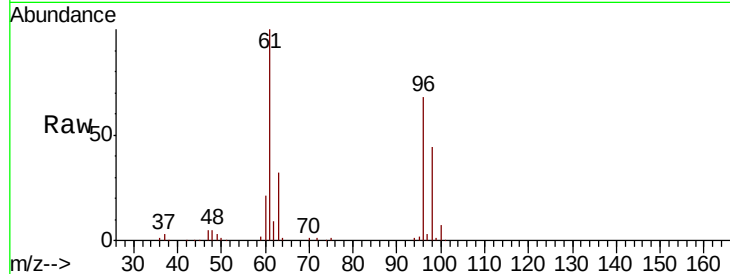


#27

cis-1,2-Dichloroethene
 Concen: 164.425 ug/l
 RT: 4.23 min Scan# 950
 Delta R.T. -0.00 min
 Lab File: VU028064.D
 Acq: 12 Nov 2018 14:57

Instrument :
 MSVOA_U
 ClientSampleId :
 MW-2DL

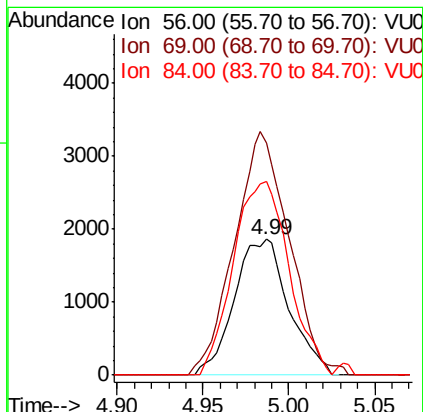
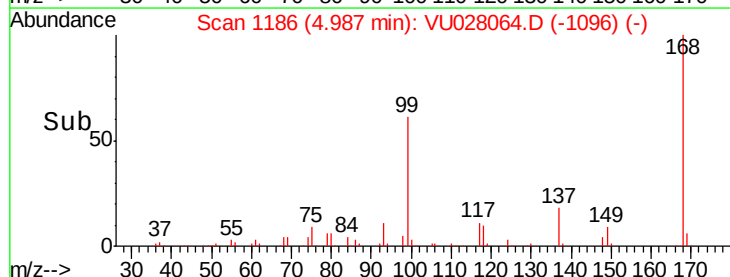
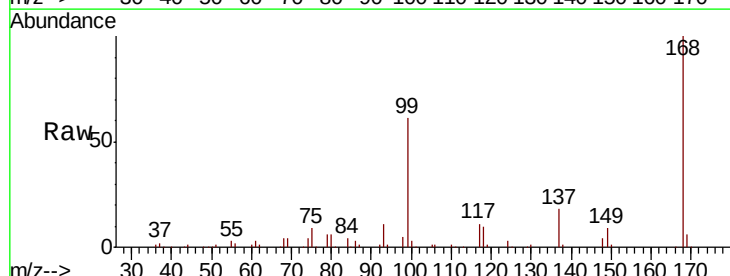
Tot Ion	96	Resp	379259
Ion	Ratio	Lower	Upper
96	100		
61	146.6	0.0	329.6
98	63.6	0.0	127.2

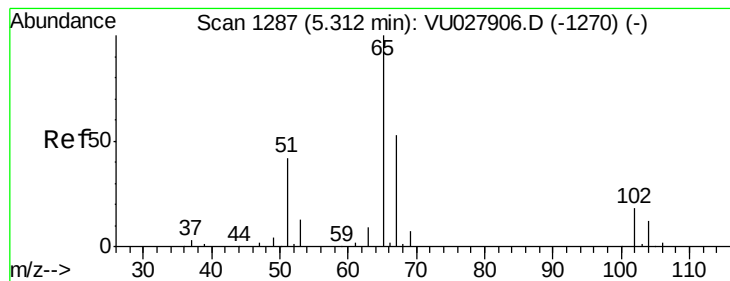


#31

Cyclohexane
 Concen: Below Cal
 RT: 4.99 min Scan# 1186
 Delta R.T. -0.01 min
 Lab File: VU028064.D
 Acq: 12 Nov 2018 14:57

Tgt Ion	56	Resp	4109
Ion	Ratio	Lower	Upper
56	100		
69	170.9	23.7	35.5#
84	142.9	58.2	87.4#





#33

1,2-Dichloroethane-d4

Concen: 59.886 ug/l

RT: 5.31 min Scan# 1287

Delta R.T. -0.00 min

Lab File: VU028064.D

Acq: 12 Nov 2018 14:57

Instrument :

MSVOA_U

ClientSampleId :

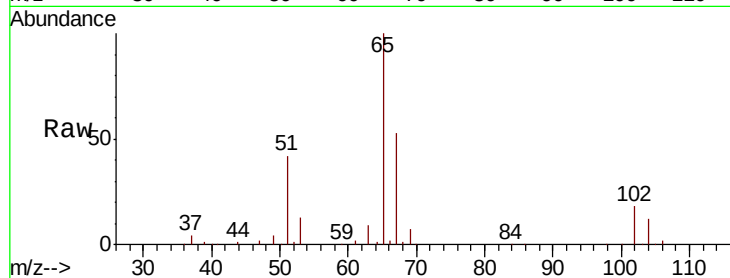
MW-2DL

Tot Ion: 65 Resp: 151416

Ion Ratio Lower Upper

65 100

67 53.7 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) (-)

5.31

80000

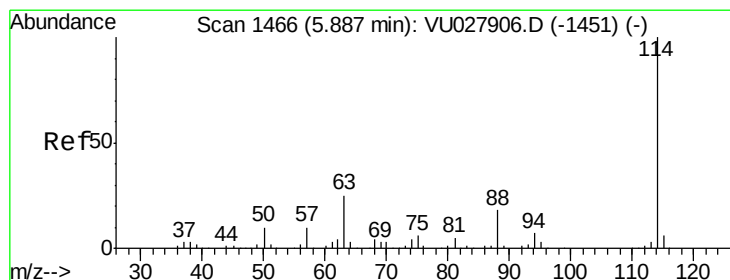
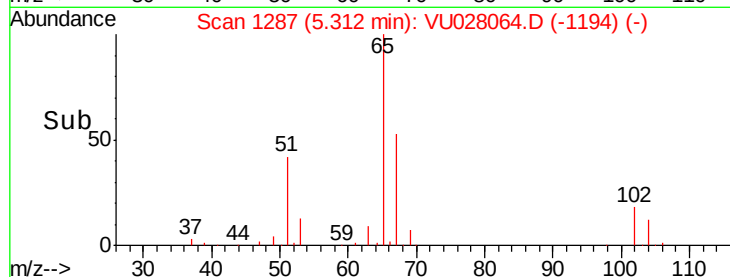
60000

40000

20000

0

Time-->



#34

1,4-Difluorobenzene

Concen: 50.000 ug/l

RT: 5.89 min Scan# 1466

Delta R.T. -0.00 min

Lab File: VU028064.D

Acq: 12 Nov 2018 14:57

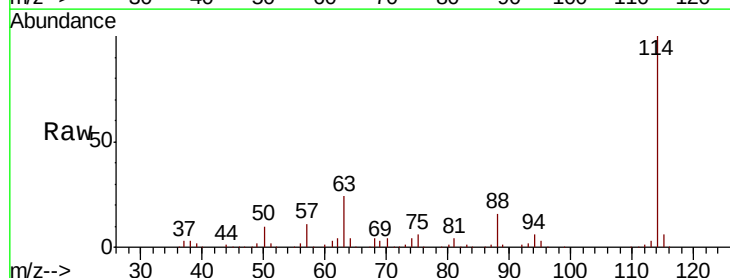
Tgt Ion: 114 Resp: 325828

Ion Ratio Lower Upper

114 100

63 24.4 0.0 50.8

88 16.2 0.0 35.8



Abundance Ion 113.90 (113.60 to 114.60): VU027906.D (-1451) (-)

Ion 63.00 (62.70 to 63.70): VU027906.D (-1451) (-)

Ion 87.90 (87.60 to 88.60): VU027906.D (-1451) (-)

5.89

200000

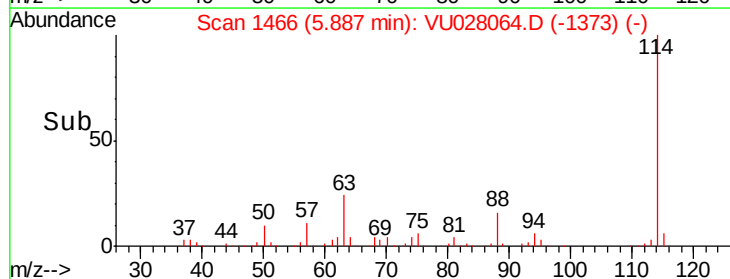
150000

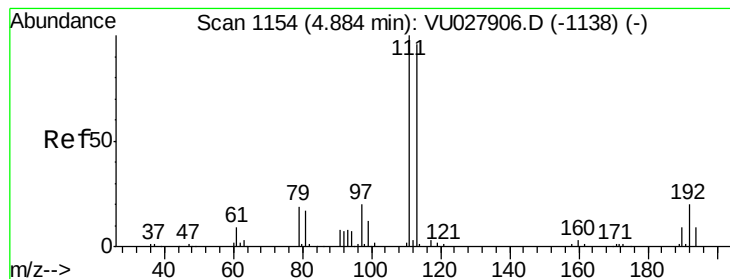
100000

50000

0

Time-->





#35

Dibromofluoromethane

Concen: 53.282 ug/l

RT: 4.88 min Scan# 1154

Delta R.T. -0.00 min

Lab File: VU028064.D

Acq: 12 Nov 2018 14:57

Instrument :

MSVOA_U

ClientSampleId :

MW-2DL

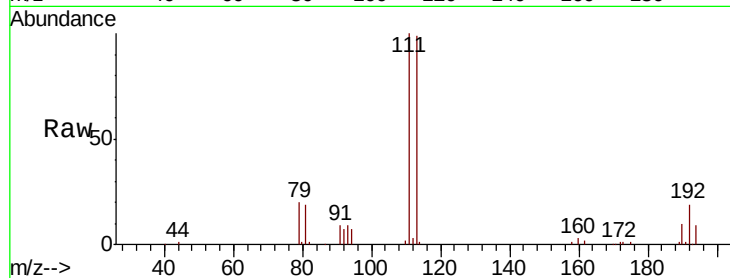
Tot Ion:113 Resp: 109463

Ion Ratio Lower Upper

113 100

111 102.0 83.0 124.6

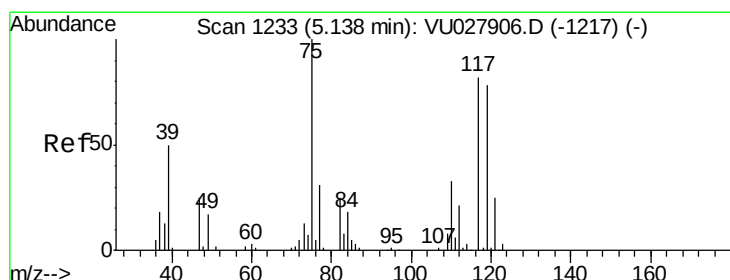
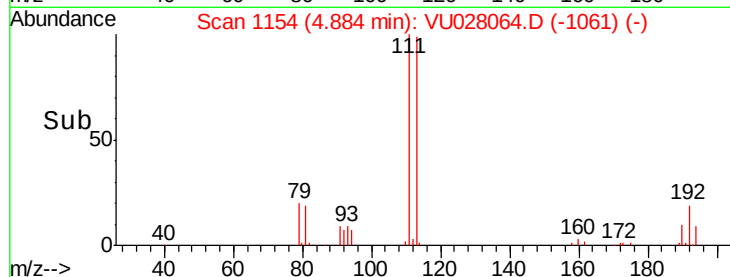
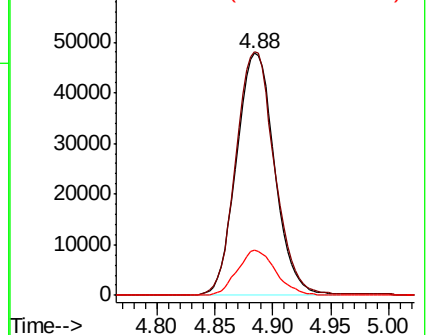
192 18.7 15.6 23.4



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: 4.525 ug/l

RT: 4.98 min Scan# 1185

Delta R.T. -0.15 min

Lab File: VU028064.D

Acq: 12 Nov 2018 14:57

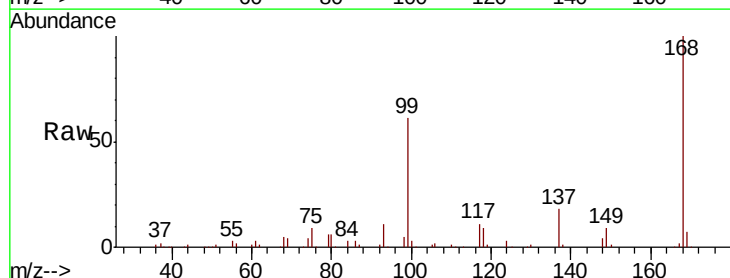
Tgt Ion: 75 Resp: 15443

Ion Ratio Lower Upper

75 100

110 3.8 16.5 49.5#

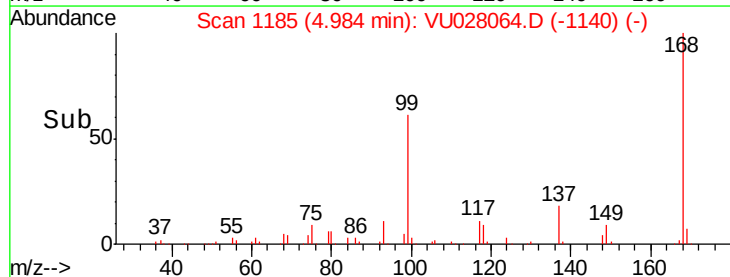
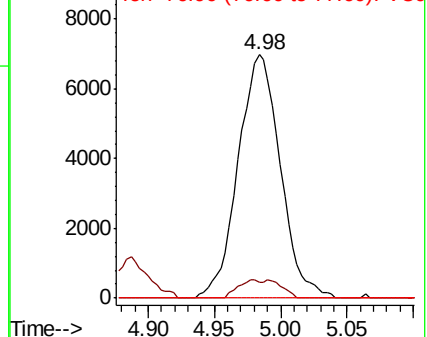
77 0.0 24.9 37.3#

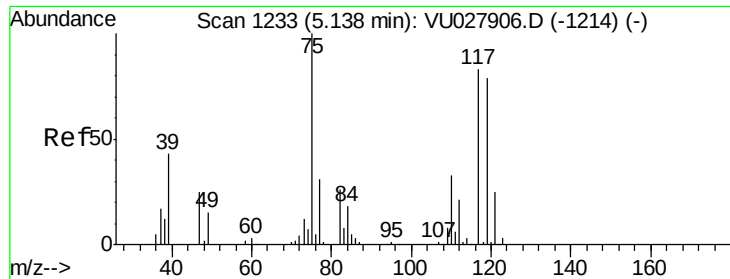


Abundance Ion 74.90 (74.60 to 75.60): VU0

Ion 109.90 (109.60 to 110.60): V

Ion 76.90 (76.60 to 77.60): VU0





#38

Carbon Tetrachloride

Concen: 6.023 ug/l

RT: 4.98 min Scan# 1185

Delta R.T. -0.15 min

Lab File: VU028064.D

Acq: 12 Nov 2018 14:57

Instrument :

MSVOA_U

ClientSampleId :

MW-2DL

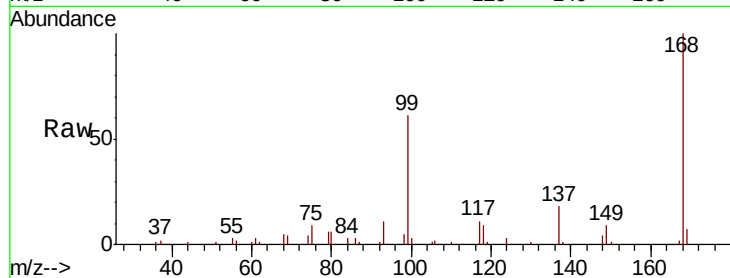
Tot Ion:117 Resp: 18215

Ion Ratio Lower Upper

117 100

119 5.2 76.0 114.0#

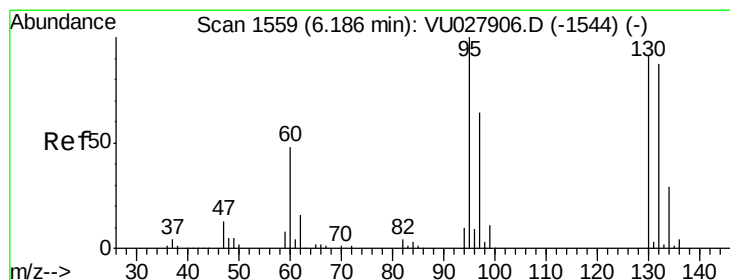
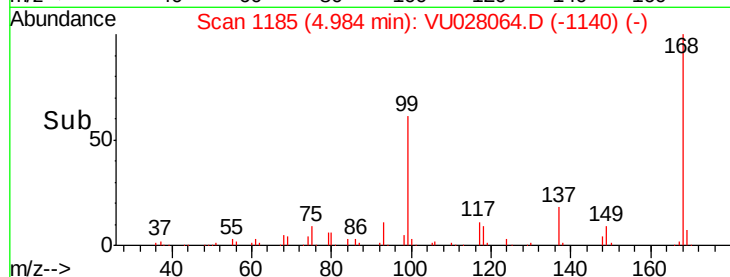
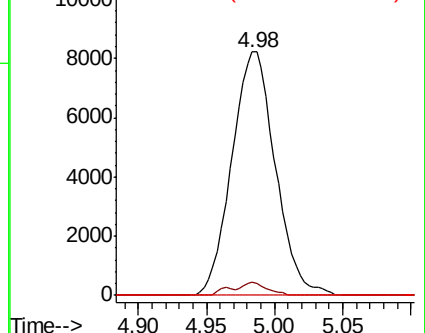
121 0.0 24.5 36.7#



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



#44

Trichloroethene

Concen: 1.339 ug/l

RT: 6.19 min Scan# 1561

Delta R.T. 0.01 min

Lab File: VU028064.D

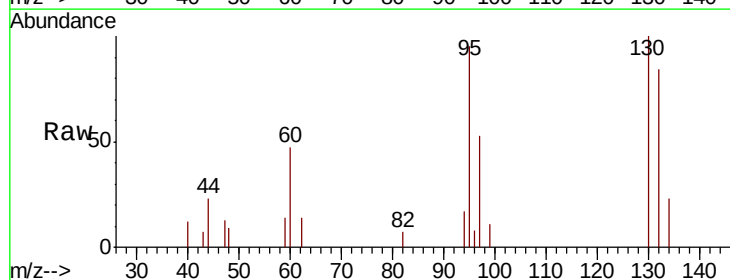
Acq: 12 Nov 2018 14:57

Tgt Ion:130 Resp: 3003

Ion Ratio Lower Upper

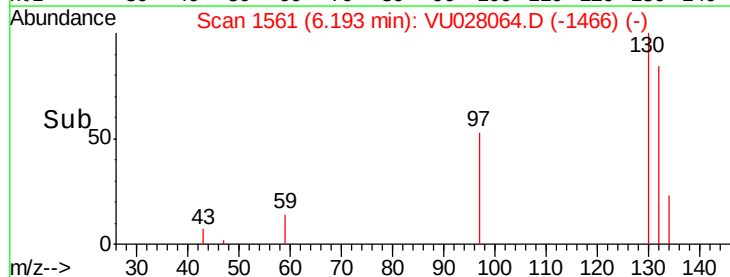
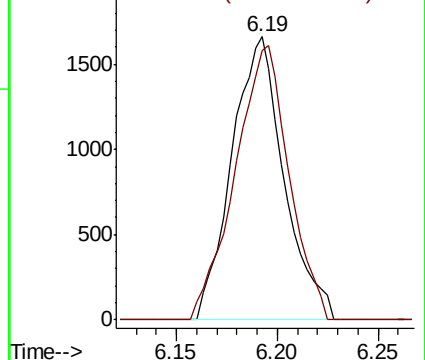
130 100

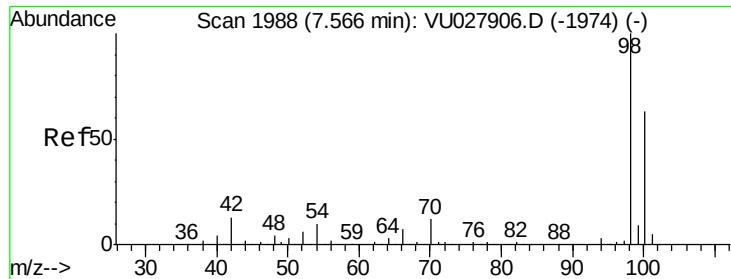
95 95.0 0.0 219.2



Abundance Ion 129.80 (129.50 to 130.50): V

Ion 94.90 (94.60 to 95.60): VU0

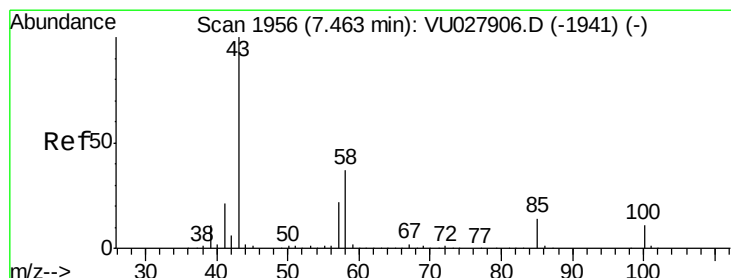
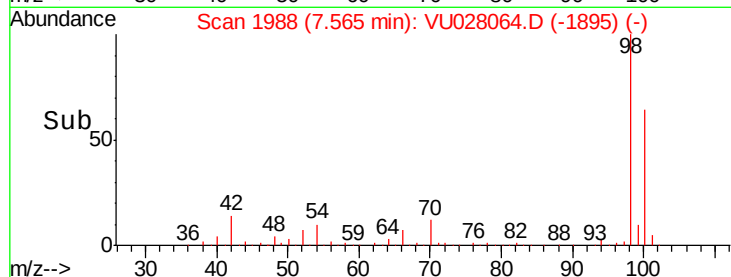
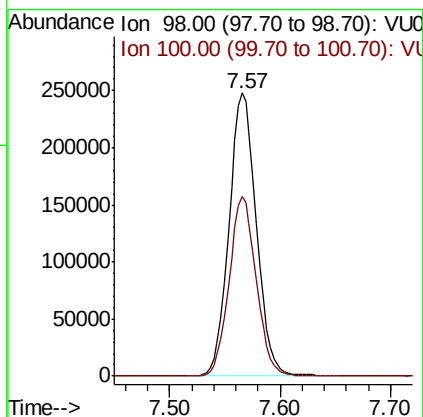
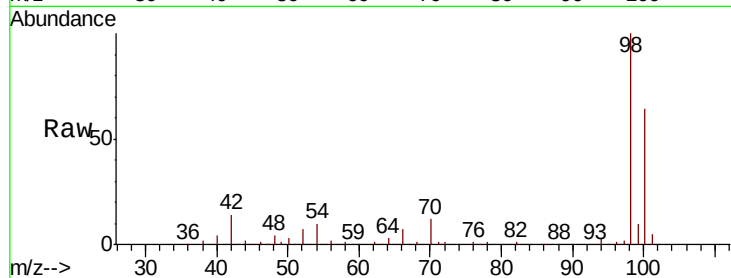




#50
Toluene-d8
Concen: 53.545 ug/l
RT: 7.57 min Scan# 1988
Delta R.T. -0.00 min
Lab File: VU028064.D
Acq: 12 Nov 2018 14:57

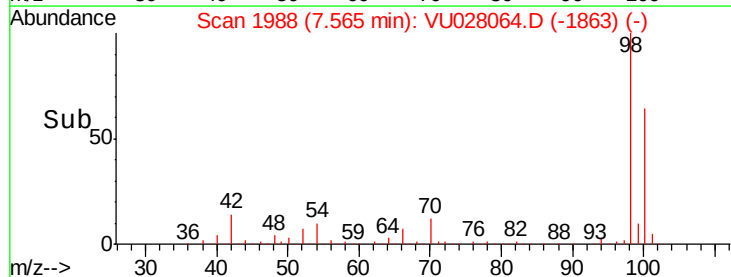
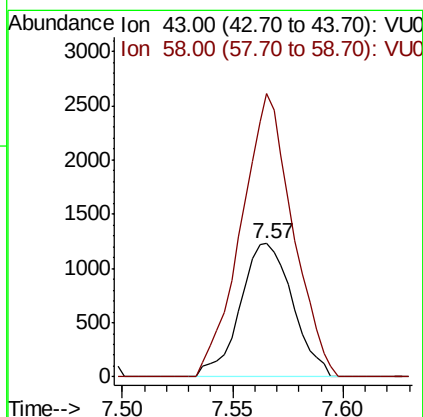
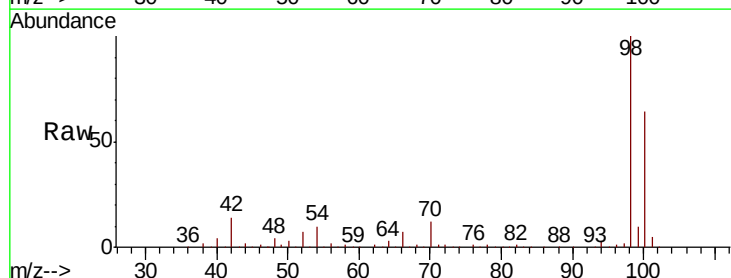
Instrument :
MSVOA_U
ClientSampled :
MW-2DL

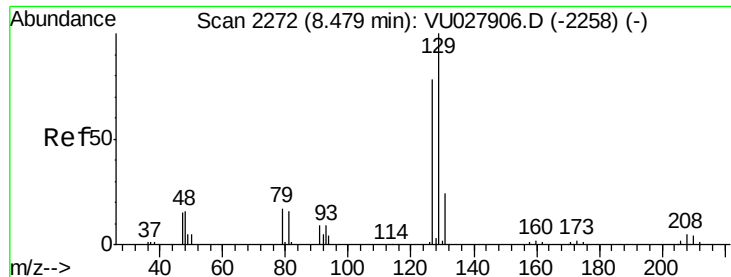
Tot Ion: 98 Resp: 424934
Ion Ratio Lower Upper
98 100
100 63.0 50.1 75.1



#51
4-Methyl-2-Pentanone
Concen: 0.390 ug/l
RT: 7.57 min Scan# 1988
Delta R.T. 0.10 min
Lab File: VU028064.D
Acq: 12 Nov 2018 14:57

Tgt Ion: 43 Resp: 2038
Ion Ratio Lower Upper
43 100
58 208.3 29.5 44.3#

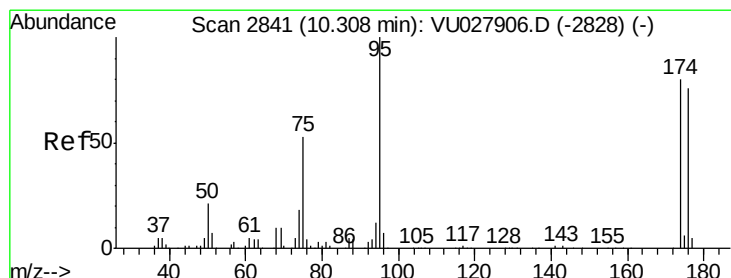
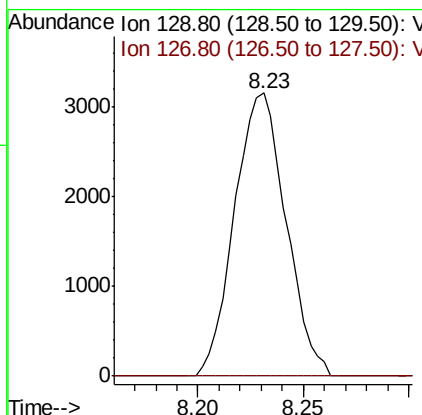
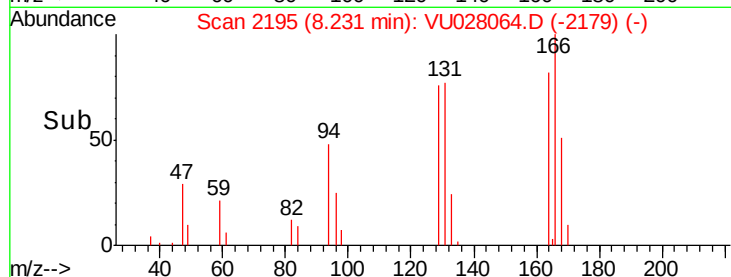
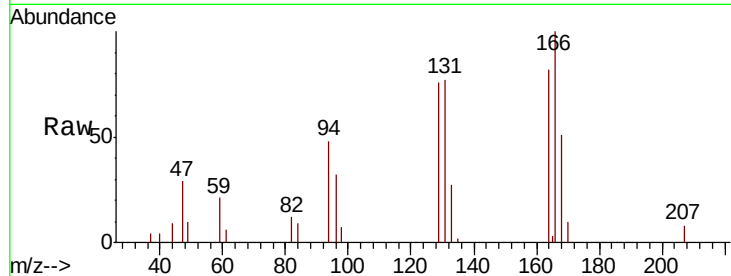




#60
 Dibromochloromethane
 Concen: 2.263 ug/l
 RT: 8.23 min Scan# 2195
 Delta R.T. -0.25 min
 Lab File: VU028064.D
 Acq: 12 Nov 2018 14:57

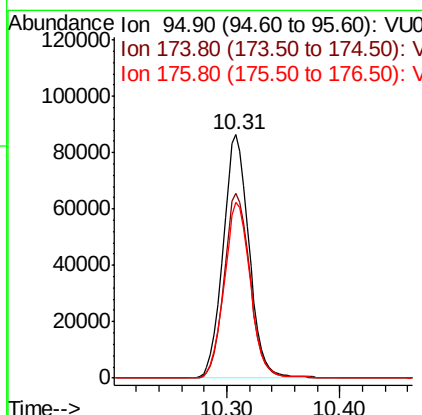
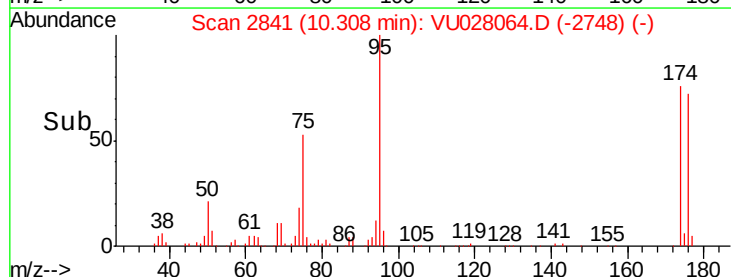
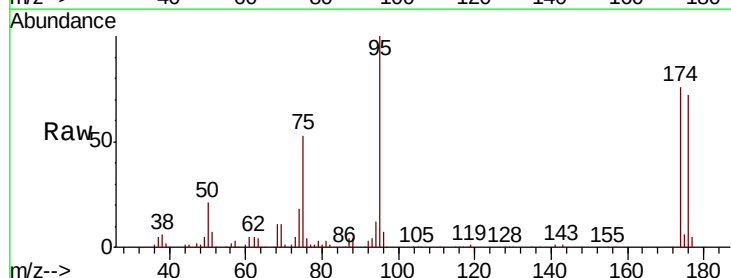
Instrument :
 MSVOA_U
 ClientSampled :
 MW-2DL

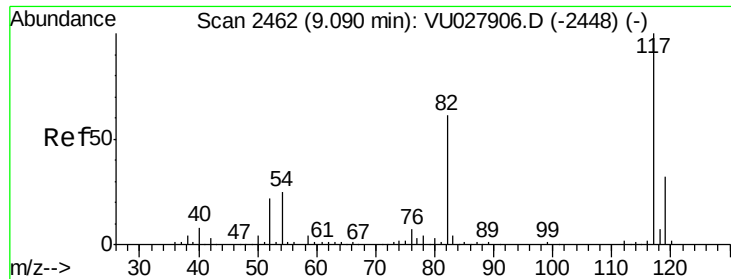
Tot Ion:129 Resp: 5345
 Ion Ratio Lower Upper
 129 100
 127 0.0 39.2 117.6#



#62
 4-Bromofluorobenzene
 Concen: 47.178 ug/l
 RT: 10.31 min Scan# 2841
 Delta R.T. -0.00 min
 Lab File: VU028064.D
 Acq: 12 Nov 2018 14:57

Tgt Ion: 95 Resp: 138097
 Ion Ratio Lower Upper
 95 100
 174 75.9 0.0 156.4
 176 72.8 0.0 150.8

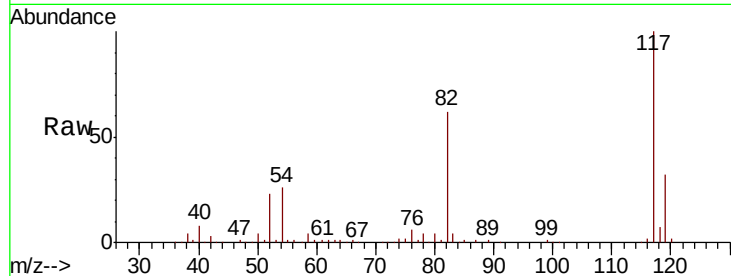




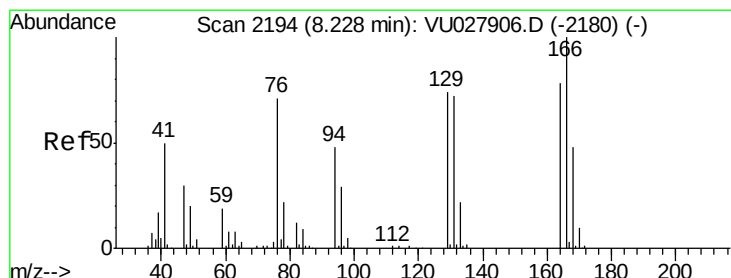
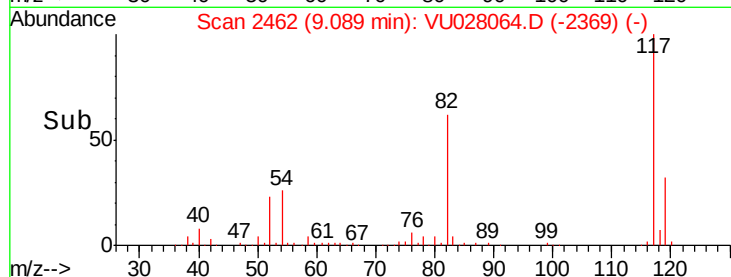
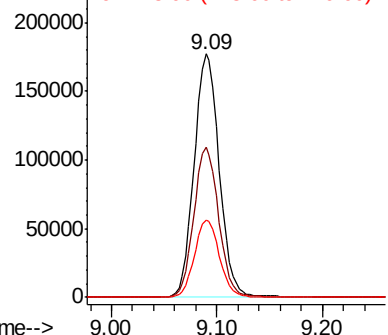
#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 9.09 min Scan# 2462
Delta R.T. -0.00 min
Lab File: VU028064.D
Acq: 12 Nov 2018 14:57

Instrument :
MSVOA_U
ClientSampleId :
MW-2DL

Tot Ion:117 Resp: 292205
Ion Ratio Lower Upper
117 100
82 61.6 48.6 73.0
119 31.9 25.8 38.8

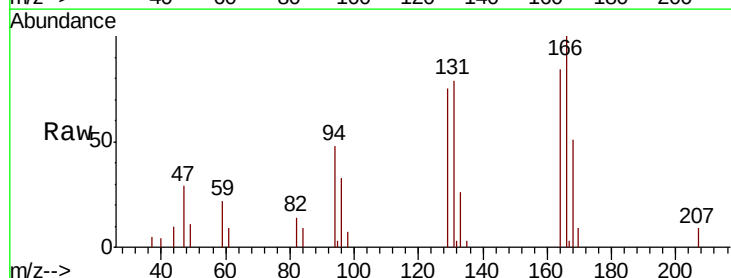


Abundance Ion 116.90 (116.60 to 117.60): V
Ion 82.00 (81.70 to 82.70): VU0
Ion 118.90 (118.60 to 119.60): V

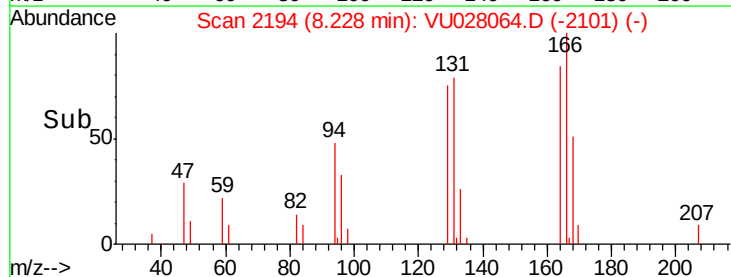
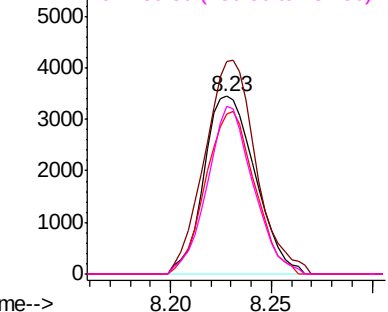


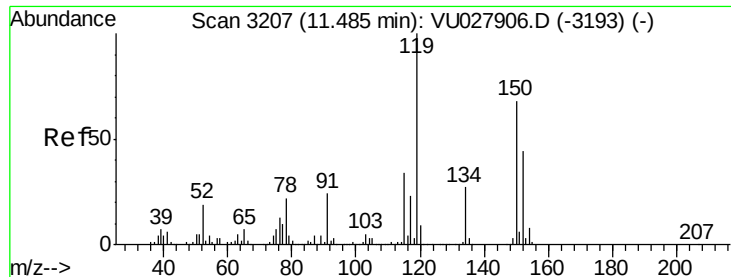
#64
Tetrachloroethene
Concen: 3.245 ug/l
RT: 8.23 min Scan# 2194
Delta R.T. -0.00 min
Lab File: VU028064.D
Acq: 12 Nov 2018 14:57

Tgt Ion:164 Resp: 6148
Ion Ratio Lower Upper
164 100
166 119.4 102.1 153.1
129 89.9 75.9 113.9
131 94.3 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



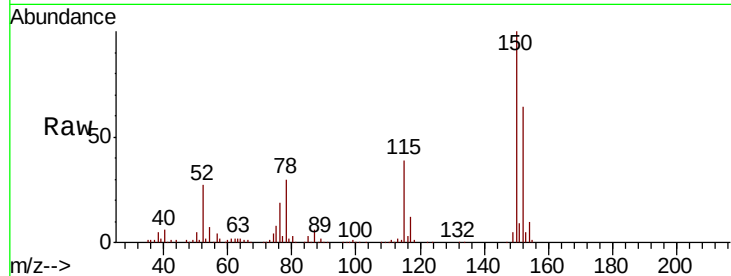


#72

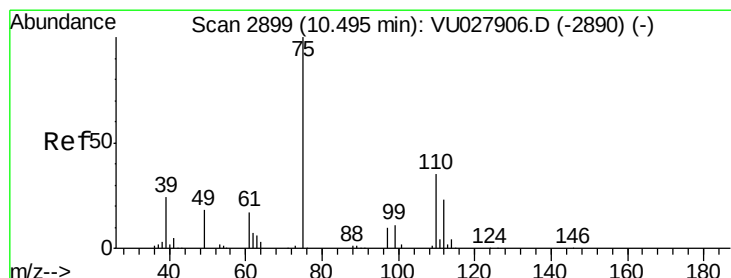
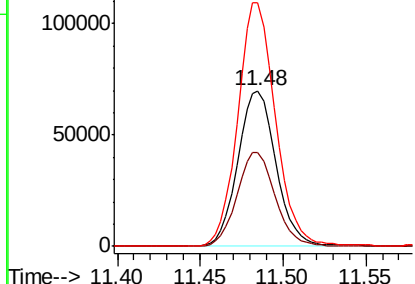
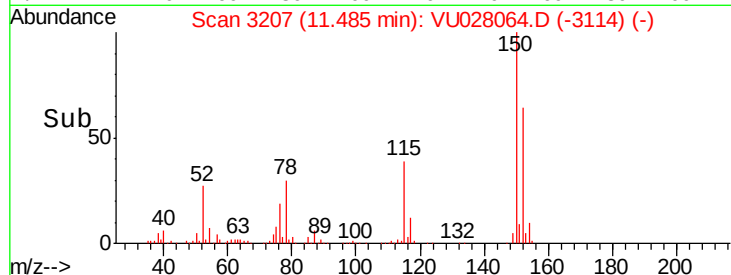
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 11.48 min Scan# 3207
Delta R.T. -0.00 min
Lab File: VU028064.D
Acq: 12 Nov 2018 14:57

Instrument :
MSVOA_U
ClientSampleId :
MW-2DL

Tot Ion:152 Resp: 111741
Ion Ratio Lower Upper
152 100
115 60.7 43.0 129.0
150 155.2 0.0 349.4



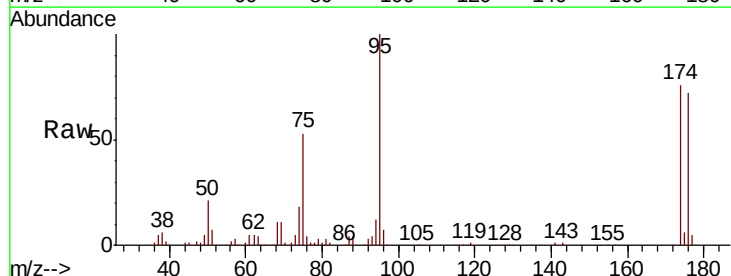
Abundance Ion 151.90 (151.60 to 152.60): V
Ion 114.90 (114.60 to 115.60): V
Ion 149.90 (149.60 to 150.60): V



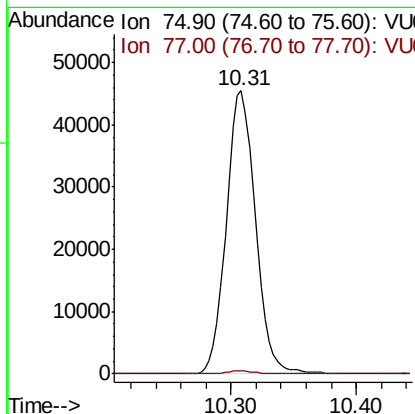
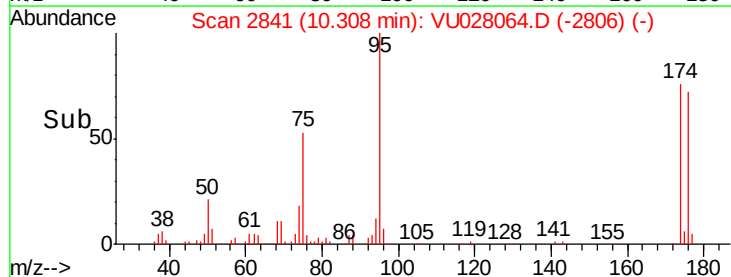
#76

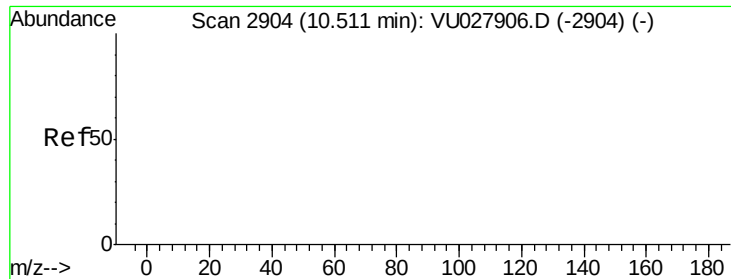
1,2,3-Trichloropropane
Concen: 23.999 ug/l
RT: 10.31 min Scan# 2841
Delta R.T. -0.19 min
Lab File: VU028064.D
Acq: 12 Nov 2018 14:57

Tgt Ion: 75 Resp: 73351
Ion Ratio Lower Upper
75 100
77 1.0 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: 59.868 ug/l
 RT: 10.31 min Scan# 2841
 Delta R.T. -0.20 min
 Lab File: VU028064.D
 Acq: 12 Nov 2018 14:57

Instrument :
 MSVOA_U
 ClientSampleId :
 MW-2DL

Tot Ion: 75 Resp: 73351
 Ion Ratio Lower Upper
 75 100
 53 0.0 0.0 0.0
 89 0.0 0.0 0.0#

