

Data Path : Z:\VOASRV\HPCHEM1\MSVOA U\DATA\U112918\
 Data File : VU028400.D
 Acq On : 29 Nov 2018 17:43
 Operator : MD/SY
 Sample : J6134-03
 Misc : 5.0mL/MSVOA U/WATER
 ALS Vial : 22 Sample Multiplier: 1

Instrument :
 MSVOA_U
 ClientSampleId :
 MW-7

Quant Time: Nov 30 07:05:25 2018
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_U\METHOD\82U112818W.M
 Quant Title : SW846 8260
 QLast Update : Thu Nov 29 01:04:49 2018
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	4.98	168	255553	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	5.89	114	482373	50.00	ug/l	0.00
63) Chlorobenzene-d5	9.09	117	468905	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	11.48	152	223543	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	223655	52.37	ug/l	0.00
Spiked Amount			Recovery	=	104.74%	
35) Dibromofluoromethane	4.88	113	165284	51.53	ug/l	0.00
Spiked Amount			Recovery	=	103.06%	
50) Toluene-d8	7.57	98	657340	51.24	ug/l	0.00
Spiked Amount			Recovery	=	102.48%	
62) 4-Bromofluorobenzene	10.30	95	246394	53.29	ug/l	0.00
Spiked Amount			Recovery	=	106.58%	

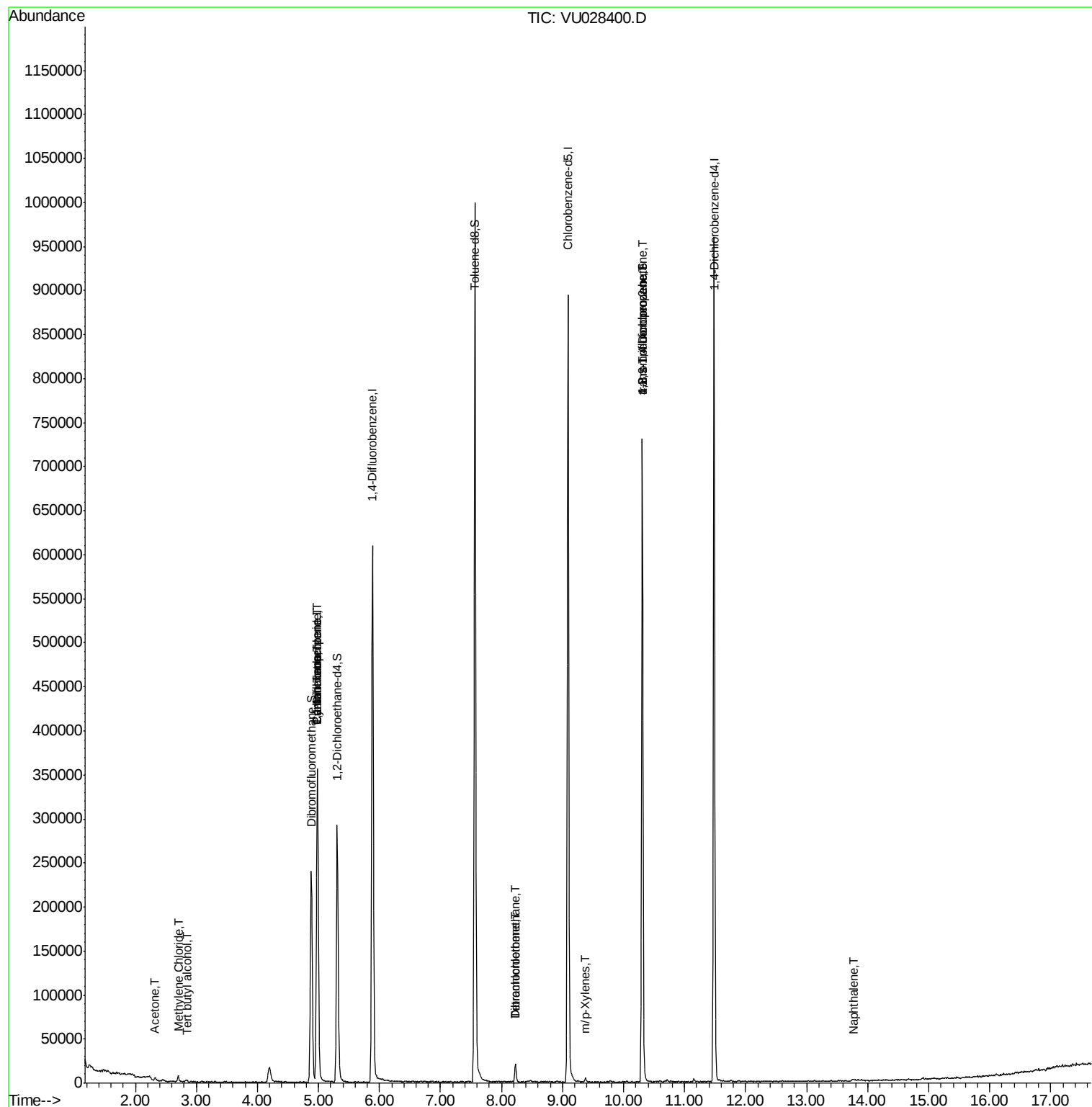
Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
11) Tert butyl alcohol	2.83	59	909	0.937	ug/l #	72
16) Acetone	2.32	43	4150	1.588	ug/l #	83
20) Methylene Chloride	2.70	84	2398	0.577	ug/l	96
31) Cyclohexane	4.98	56	6514	0.535	ug/l #	1
36) 1,1-Dichloropropene	4.98	75	23351	4.424	ug/l #	50
38) Carbon Tetrachloride	4.98	117	25510	5.885	ug/l #	17
60) Dibromochloromethane	8.23	129	4592	1.289	ug/l #	10
64) Tetrachloroethene	8.23	164	4364	1.415	ug/l	95
68) m/p-Xylenes	9.38	106	1363	0.207	ug/l	86
76) 1,2,3-Trichloropropane	10.30	75	132204	21.327	ug/l #	33
81) trans-1,4-Dichloro-2-buten	10.30	75	132204	56.611	ug/l #	100
95) Naphthalene	13.76	128	2702	2.971	ug/l #	75

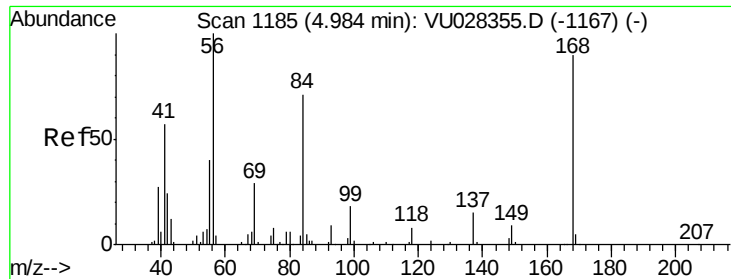
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 4.98 min Scan# 1185

Delta R.T. 0.00 min

Lab File: VU028400.D

Acq: 29 Nov 2018 17:43

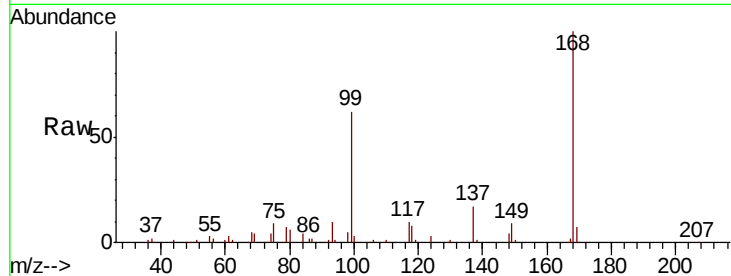
Instrument :
MSVOA_U
ClientSampled :
MW-7

Tot Ion:168 Resp: 255553

Ion Ratio Lower Upper

168 100

99 61.6 49.6 74.4



Abundance Ion 167.90 (167.60 to 168.60): VU028355.D (-1167) (-)

Ion 98.90 (98.60 to 99.60): VU028400.D (-1092) (-)

4.98

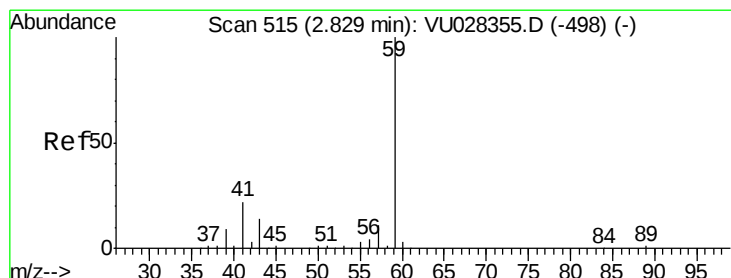
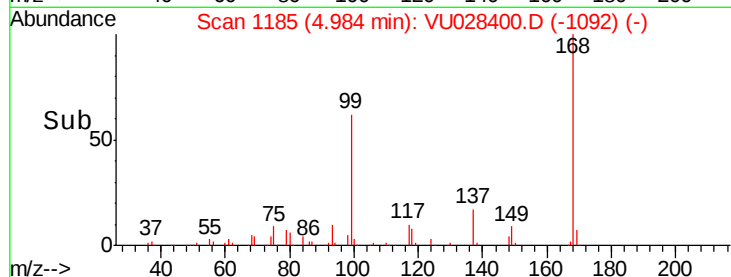
100000

50000

0

4.90 4.95 5.00 5.05 5.10

Time-->



#11

Tert butyl alcohol

Concen: 0.937 ug/l

RT: 2.83 min Scan# 515

Delta R.T. 0.00 min

Lab File: VU028400.D

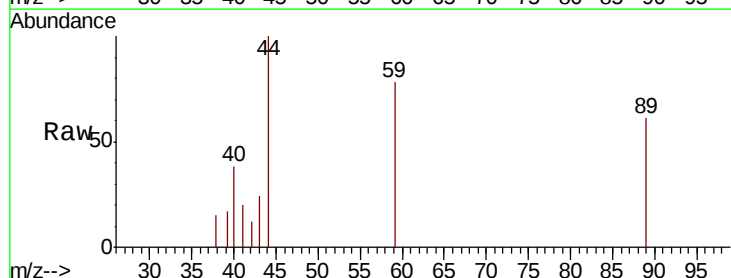
Acq: 29 Nov 2018 17:43

Tgt Ion: 59 Resp: 909

Ion Ratio Lower Upper

59 100

57 0.0 8.3 12.5#



Abundance Ion 59.00 (58.70 to 59.70): VU028355.D (-498) (-)

Ion 57.00 (56.70 to 57.70): VU028400.D (-422) (-)

2.83

800

600

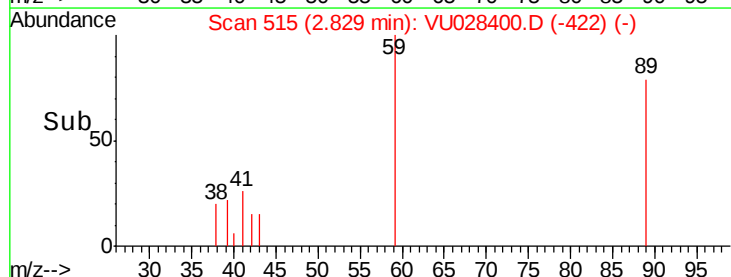
400

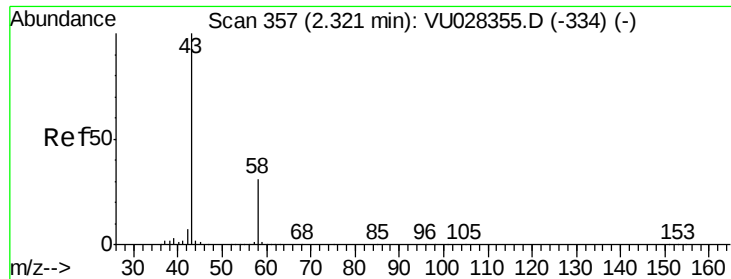
200

0

2.80 2.82 2.84

Time-->





#16

Acetone

Concen: 1.588 ug/l

RT: 2.32 min Scan# 357

Delta R.T. 0.00 min

Lab File: VU028400.D

Acq: 29 Nov 2018 17:43

Instrument :

MSVOA_U

ClientSampleId :

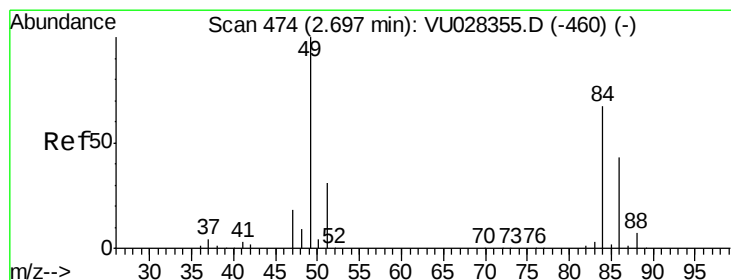
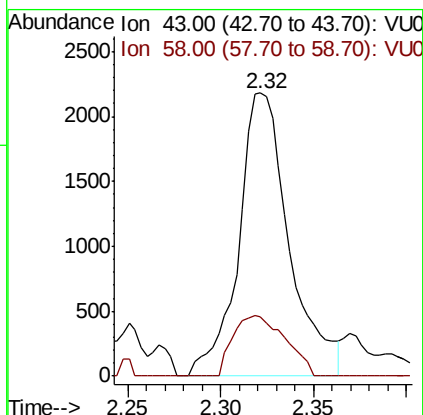
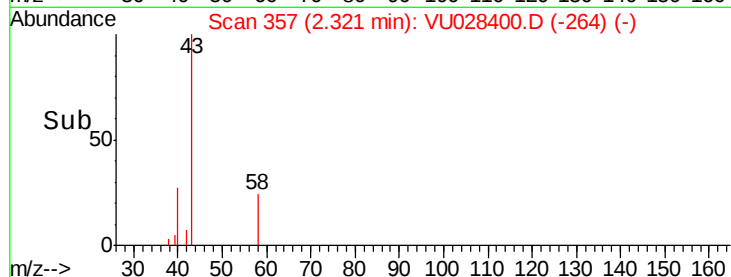
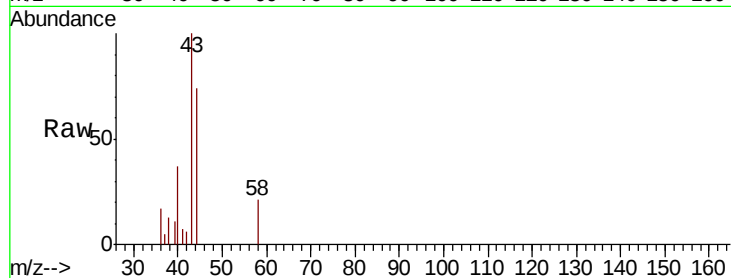
MW-7

Tot Ion: 43 Resp: 4150

Ion Ratio Lower Upper

43 100

58 21.2 24.4 36.6#



#20

Methylene Chloride

Concen: 0.577 ug/l

RT: 2.70 min Scan# 475

Delta R.T. 0.00 min

Lab File: VU028400.D

Acq: 29 Nov 2018 17:43

Tgt Ion: 84 Resp: 2398

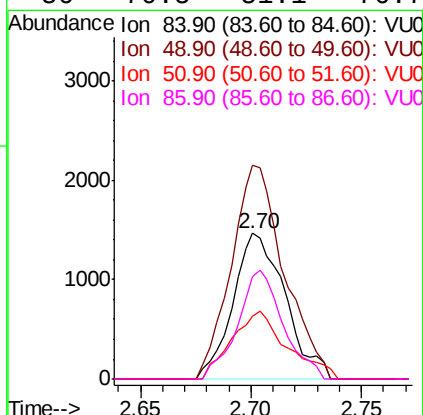
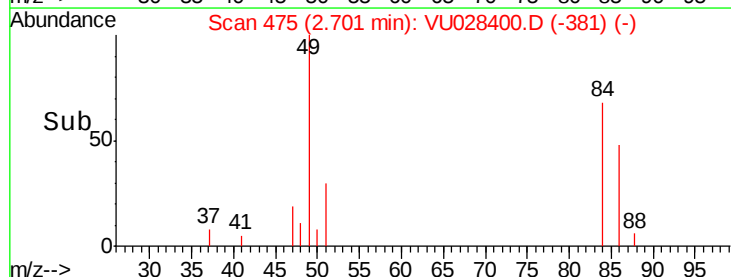
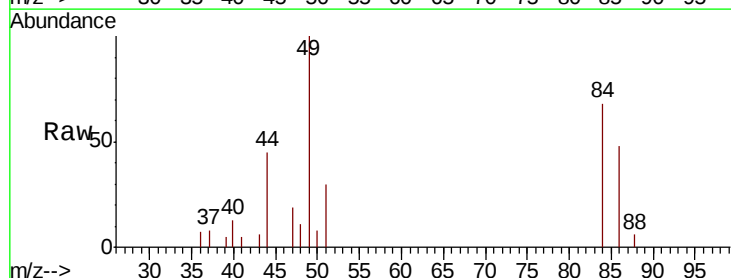
Ion Ratio Lower Upper

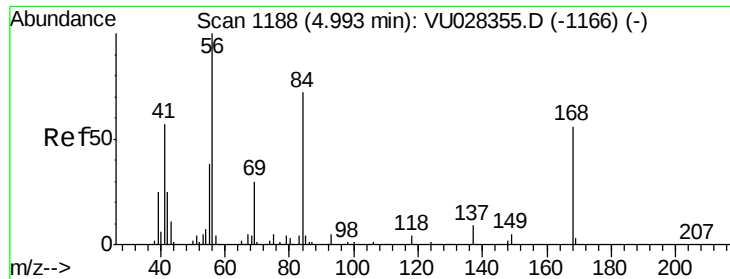
84 100

49 146.5 120.0 180.0

51 43.4 36.9 55.3

86 70.5 51.1 76.7

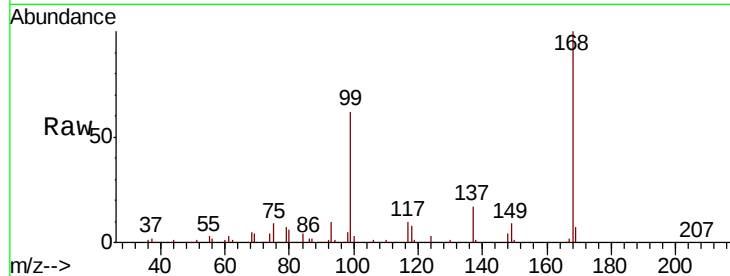




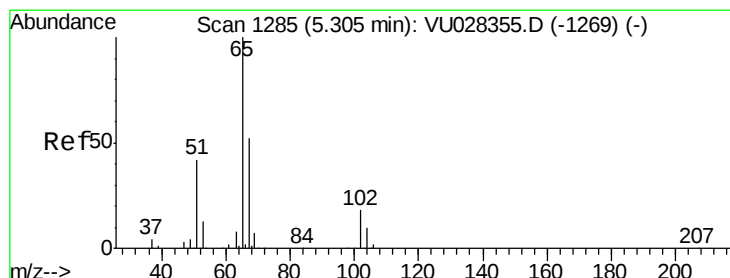
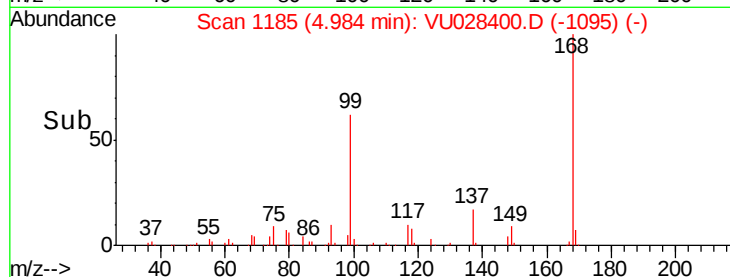
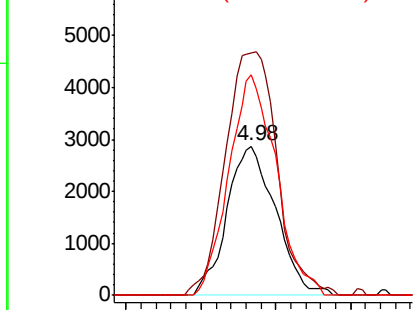
#31
Cyclohexane
Concen: 0.535 ug/l
RT: 4.98 min Scan# 1185
Delta R.T. -0.01 min
Lab File: VU028400.D
Acq: 29 Nov 2018 17:43

Instrument :
MSVOA_U
ClientSampleId :
MW-7

Tot Ion: 56 Resp: 6514
Ion Ratio Lower Upper
56 100
69 162.3 23.7 35.5#
84 148.1 57.3 85.9#

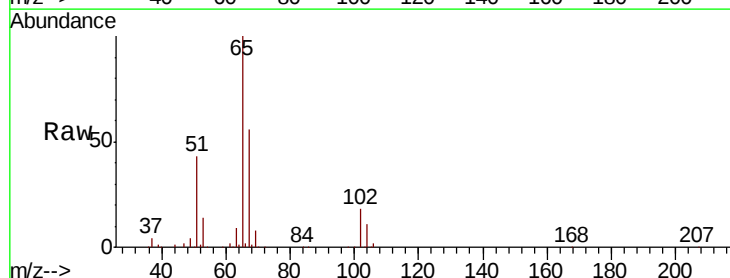


Abundance Ion 56.00 (55.70 to 56.70): VU0
Ion 69.00 (68.70 to 69.70): VU0
Ion 84.00 (83.70 to 84.70): VU0

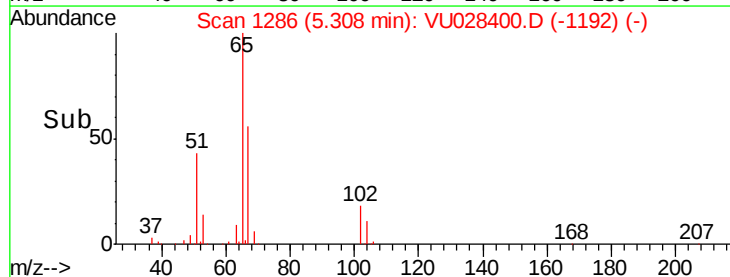
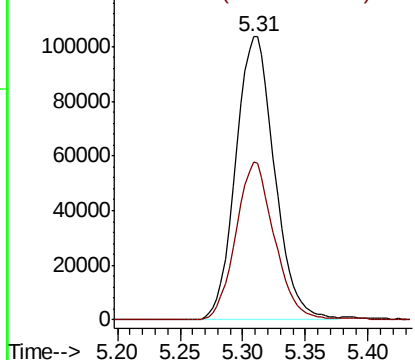


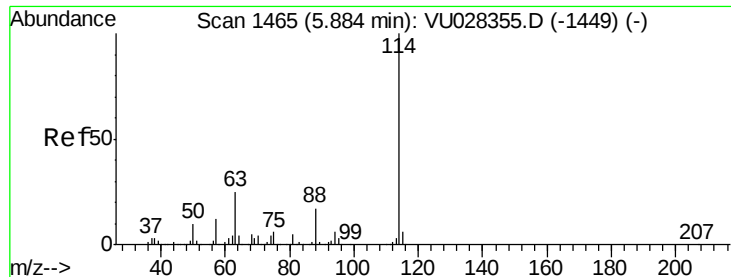
#33
1,2-Dichloroethane-d4
Concen: 52.367 ug/l
RT: 5.31 min Scan# 1286
Delta R.T. 0.00 min
Lab File: VU028400.D
Acq: 29 Nov 2018 17:43

Tgt Ion: 65 Resp: 223655
Ion Ratio Lower Upper
65 100
67 55.0 0.0 106.8



Abundance Ion 64.90 (64.60 to 65.60): VU0
Ion 66.90 (66.60 to 67.60): VU0





#34

1,4-Difluorobenzene

Concen: 50.000 ug/l

RT: 5.89 min Scan# 1466

Delta R.T. 0.00 min

Lab File: VU028400.D

Acq: 29 Nov 2018 17:43

Instrument :

MSVOA_U

ClientSampleId :

MW-7

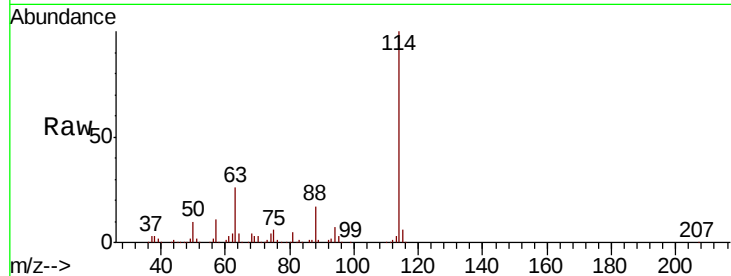
Tot Ion:114 Resp: 482373

Ion Ratio Lower Upper

114 100

63 26.1 0.0 50.0

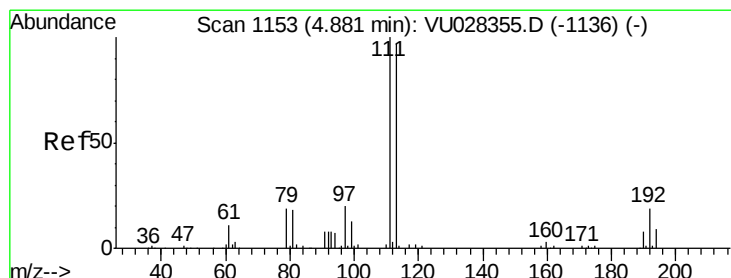
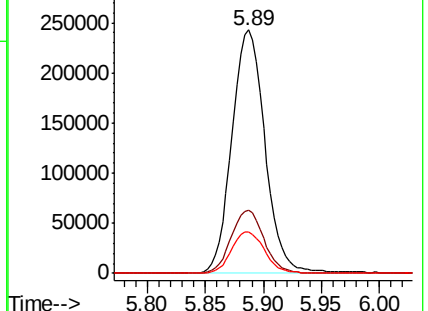
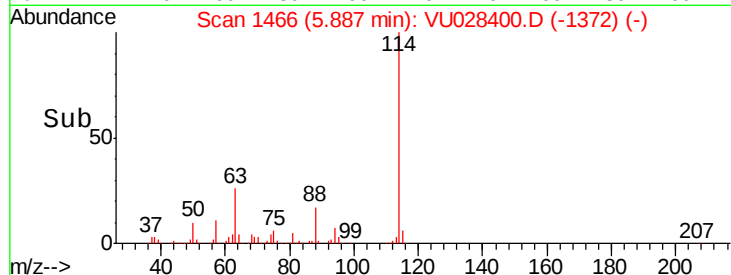
88 16.8 0.0 34.4



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: 51.529 ug/l

RT: 4.88 min Scan# 1153

Delta R.T. 0.00 min

Lab File: VU028400.D

Acq: 29 Nov 2018 17:43

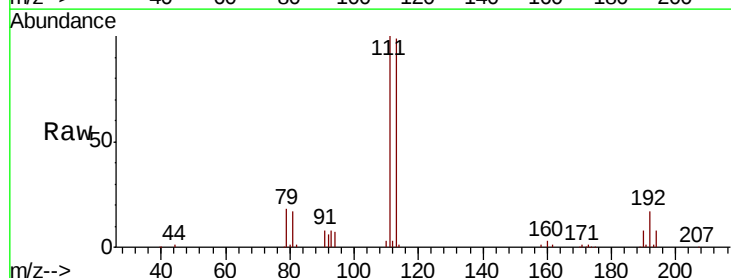
Tgt Ion:113 Resp: 165284

Ion Ratio Lower Upper

113 100

111 101.7 82.9 124.3

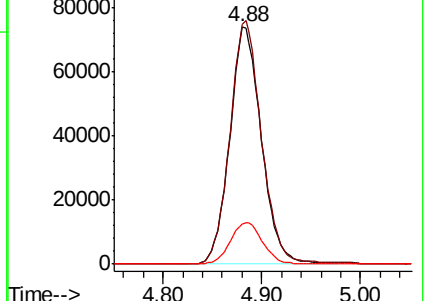
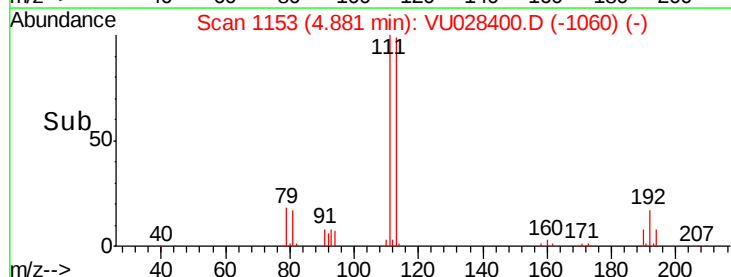
192 18.0 15.4 23.0

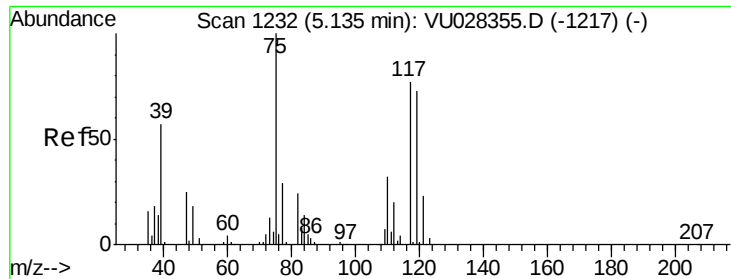


Abundance Ion 112.80 (112.50 to 113.50): V

Ion 110.80 (110.50 to 111.50): V

Ion 191.70 (191.40 to 192.40): V





#36

1,1-Dichloropropene

Concen: 4.424 ug/l

RT: 4.98 min Scan# 1185

Delta R.T. -0.15 min

Lab File: VU028400.D

Acq: 29 Nov 2018 17:43

Instrument :

MSVOA_U

ClientSampled :

MW-7

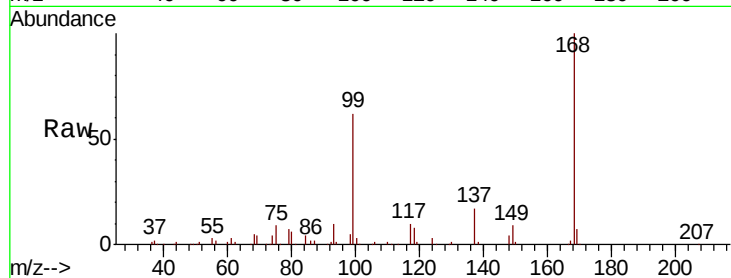
Tot Ion: 75 Resp: 23351

Ion Ratio Lower Upper

75 100

110 7.7 15.8 47.4#

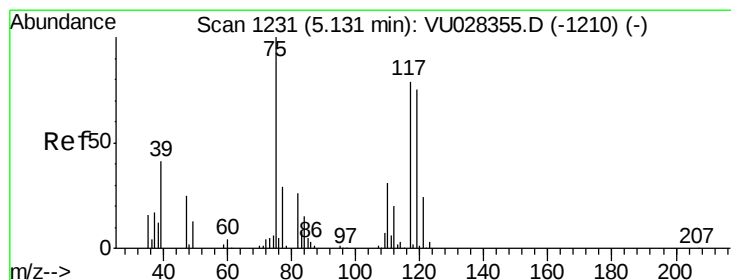
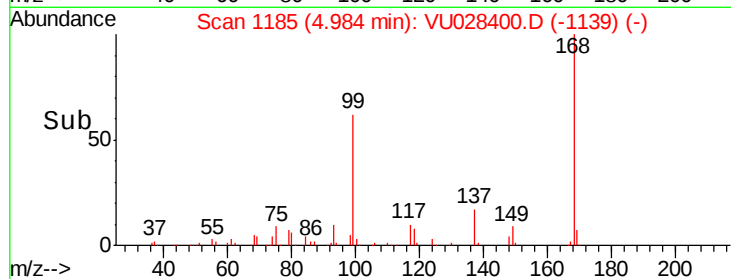
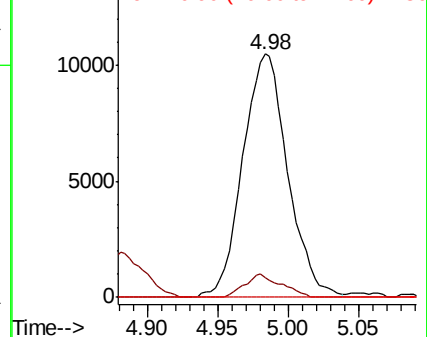
77 0.0 24.6 36.8#



Abundance Ion 74.90 (74.60 to 75.60): VU028355.D (-1217) (-)

Ion 109.90 (109.60 to 110.60): VU028355.D (-1217) (-)

Ion 76.90 (76.60 to 77.60): VU028355.D (-1217) (-)



#38

Carbon Tetrachloride

Concen: 5.885 ug/l

RT: 4.98 min Scan# 1185

Delta R.T. -0.15 min

Lab File: VU028400.D

Acq: 29 Nov 2018 17:43

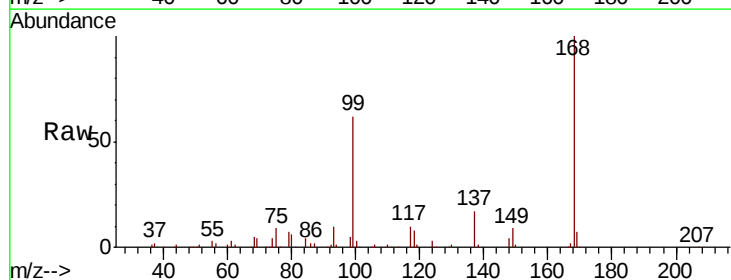
Tgt Ion: 117 Resp: 25510

Ion Ratio Lower Upper

117 100

119 6.3 76.3 114.5#

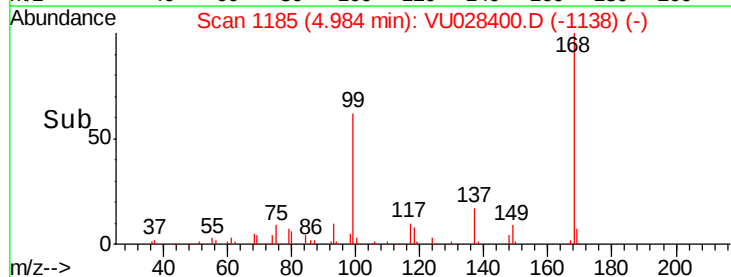
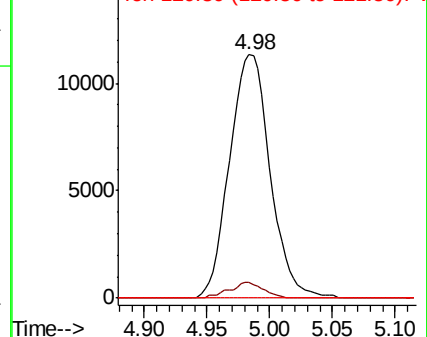
121 0.0 24.7 37.1#

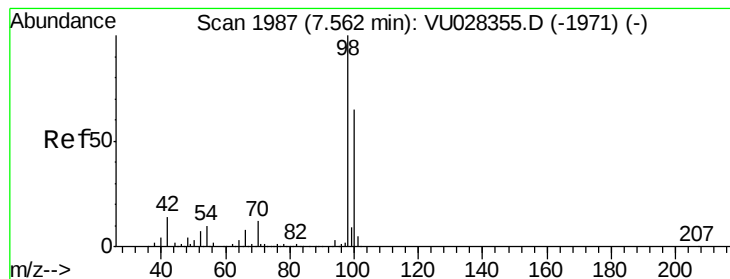


Abundance Ion 116.80 (116.50 to 117.50): VU028355.D (-1210) (-)

Ion 118.80 (118.50 to 119.50): VU028355.D (-1210) (-)

Ion 120.80 (120.50 to 121.50): VU028355.D (-1210) (-)





#50

Toluene-d8

Concen: 51.242 ug/l

RT: 7.57 min Scan# 1988

Delta R.T. 0.00 min

Lab File: VU028400.D

Acq: 29 Nov 2018 17:43

Instrument :

MSVOA_U

ClientSampleId :

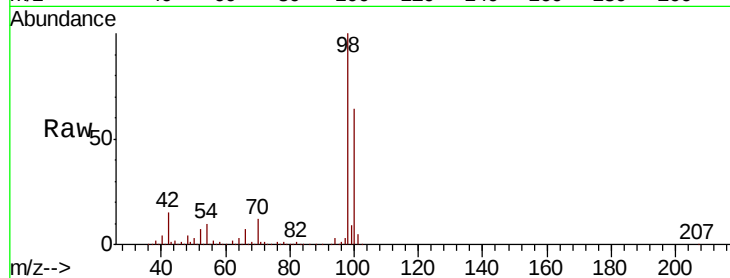
MW-7

Tot Ion: 98 Resp: 657340

Ion Ratio Lower Upper

98 100

100 62.9 50.8 76.2



Abundance Ion 98.00 (97.70 to 98.70): VU028355.D (-1971) (-)

Ion 100.00 (99.70 to 100.70): VU028355.D (-1971) (-)

7.57

400000

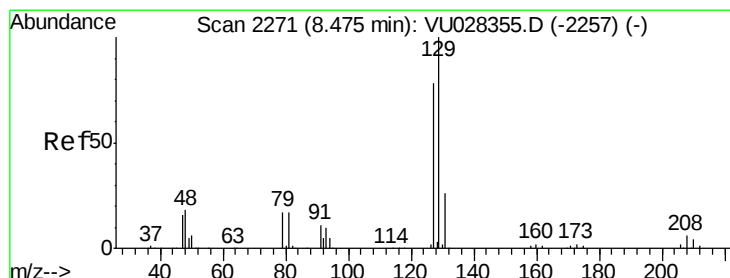
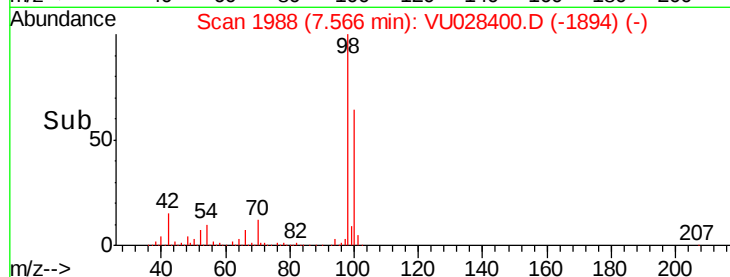
300000

200000

100000

0

Time--> 7.40 7.50 7.60 7.70 7.80



#60

Dibromochloromethane

Concen: 1.289 ug/l

RT: 8.23 min Scan# 2194

Delta R.T. -0.25 min

Lab File: VU028400.D

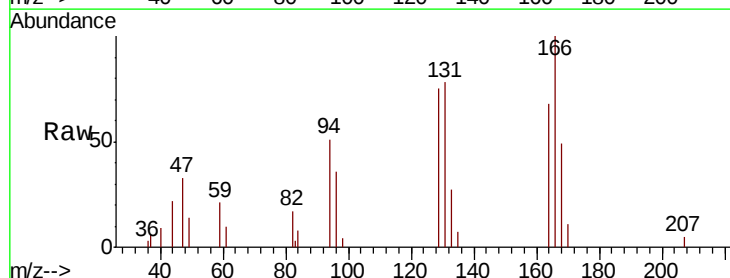
Acq: 29 Nov 2018 17:43

Tgt Ion: 129 Resp: 4592

Ion Ratio Lower Upper

129 100

127 0.0 38.9 116.7#



Abundance Ion 128.80 (128.50 to 129.50): VU028355.D (-2257) (-)

Ion 126.80 (126.50 to 127.50): VU028355.D (-2257) (-)

8.23

3000

2500

2000

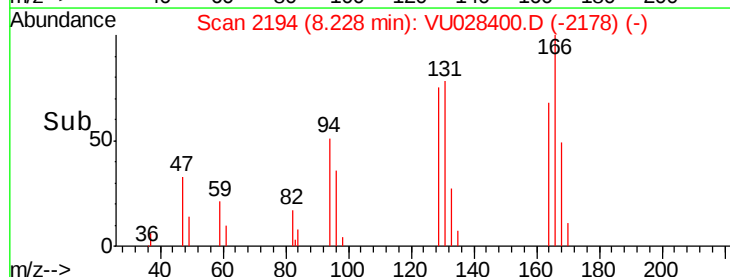
1500

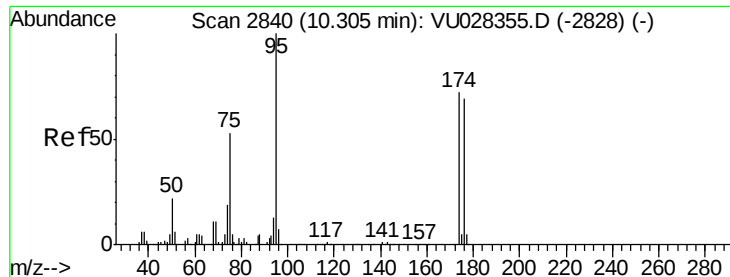
1000

500

0

Time--> 8.20 8.25 8.30





#62

4-Bromofluorobenzene

Concen: 53.290 ug/l

RT: 10.30 min Scan# 2840

Delta R.T. 0.00 min

Lab File: VU028400.D

Acq: 29 Nov 2018 17:43

Instrument :

MSVOA_U

ClientSampleId :

MW-7

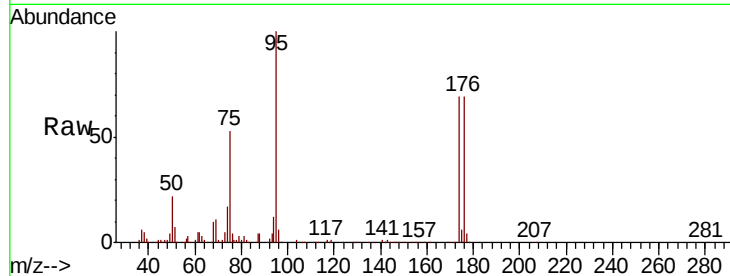
Tot Ion: 95 Resp: 246394

Ion Ratio Lower Upper

95 100

174 71.3 0.0 145.4

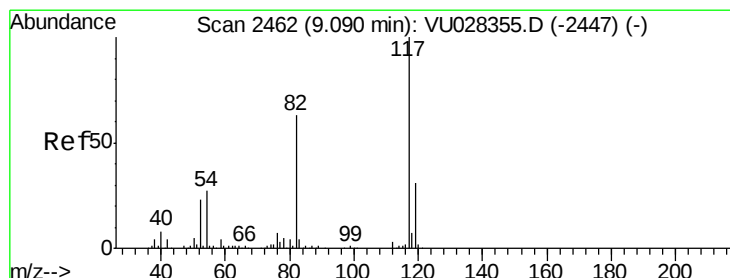
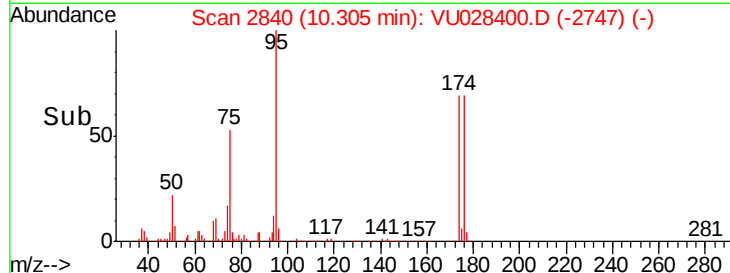
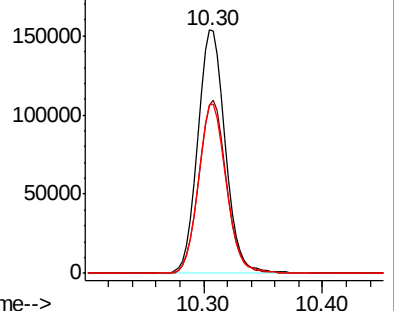
176 70.2 0.0 140.8



Abundance Ion 94.90 (94.60 to 95.60): VU028355.D (-2828) (-)

Ion 173.80 (173.50 to 174.50): VU028355.D (-2828) (-)

Ion 175.80 (175.50 to 176.50): VU028355.D (-2828) (-)



#63

Chlorobenzene-d5

Concen: 50.000 ug/l

RT: 9.09 min Scan# 2462

Delta R.T. 0.00 min

Lab File: VU028400.D

Acq: 29 Nov 2018 17:43

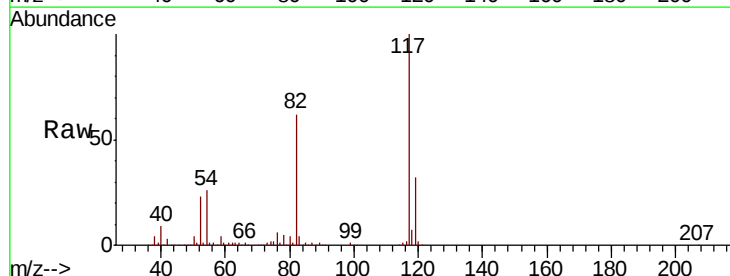
Tgt Ion: 117 Resp: 468905

Ion Ratio Lower Upper

117 100

82 62.2 50.3 75.5

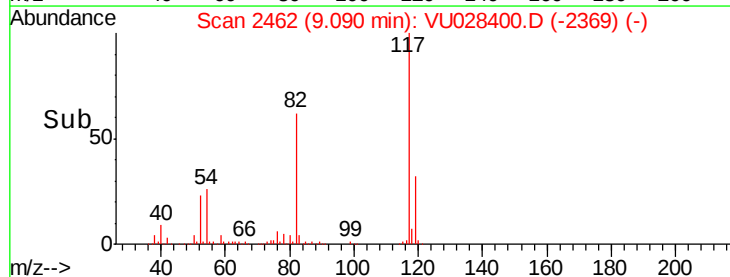
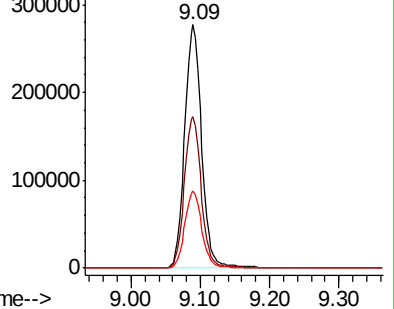
119 31.6 24.8 37.2

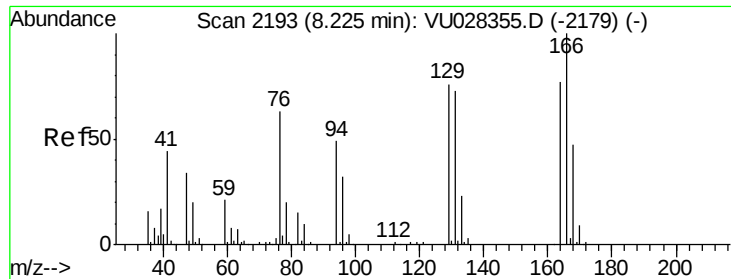


Abundance Ion 116.90 (116.60 to 117.60): VU028355.D (-2447) (-)

Ion 82.00 (81.70 to 82.70): VU028355.D (-2447) (-)

Ion 118.90 (118.60 to 119.60): VU028355.D (-2447) (-)





#64

Tetrachloroethene

Concen: 1.415 ug/l

RT: 8.23 min Scan# 2195

Delta R.T. 0.01 min

Lab File: VU028400.D

Acq: 29 Nov 2018 17:43

Instrument :

MSVOA_U

ClientSampleId :

MW-7

Tot Ion:164 Resp: 4364

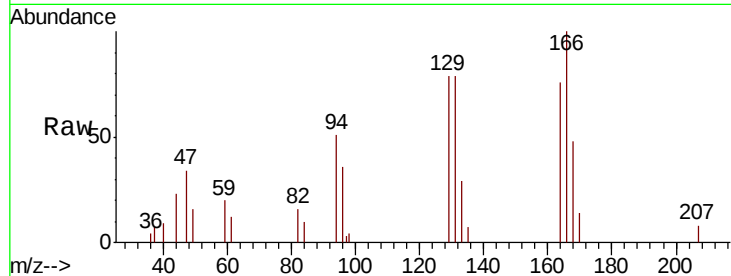
Ion Ratio Lower Upper

164 100

166 131.8 104.0 156.0

129 103.9 79.2 118.8

131 104.2 75.7 113.5

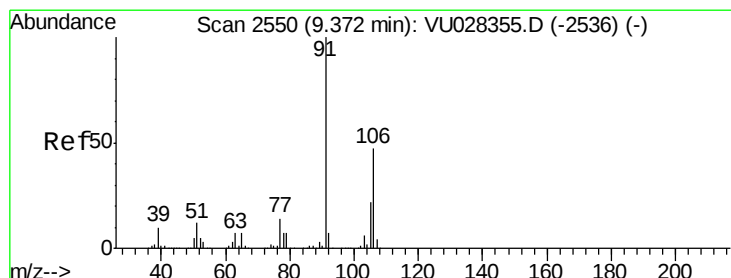
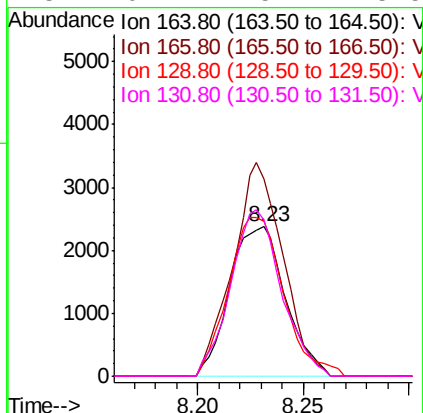
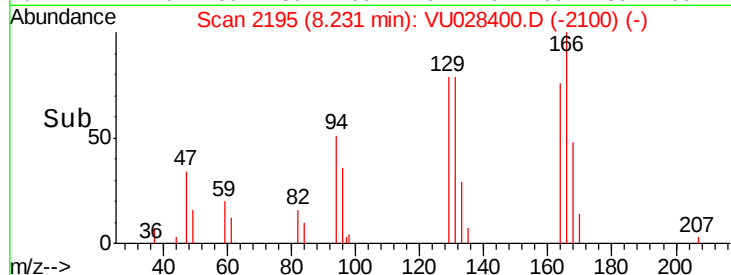


Abundance Ion 163.80 (163.50 to 164.50): V

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



#68

m/p-Xylenes

Concen: 0.207 ug/l

RT: 9.38 min Scan# 2552

Delta R.T. 0.01 min

Lab File: VU028400.D

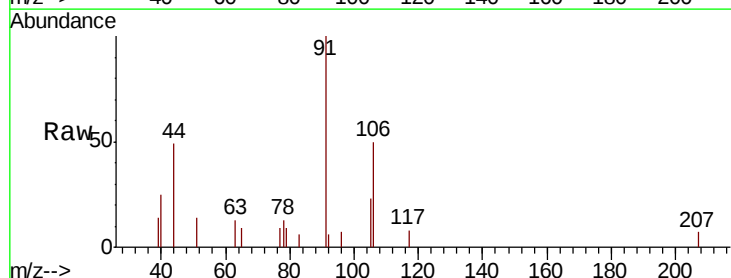
Acq: 29 Nov 2018 17:43

Tgt Ion:106 Resp: 1363

Ion Ratio Lower Upper

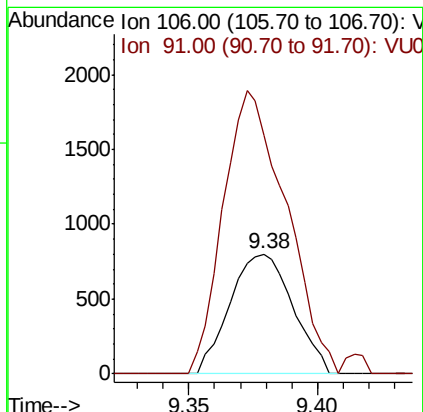
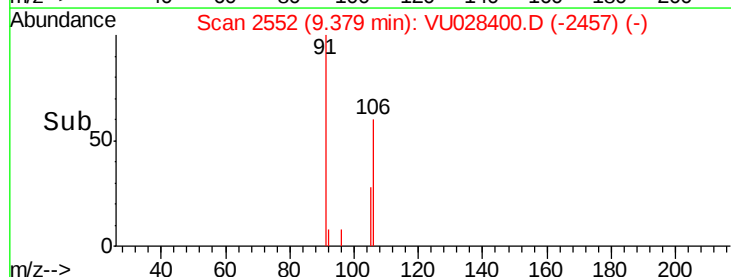
106 100

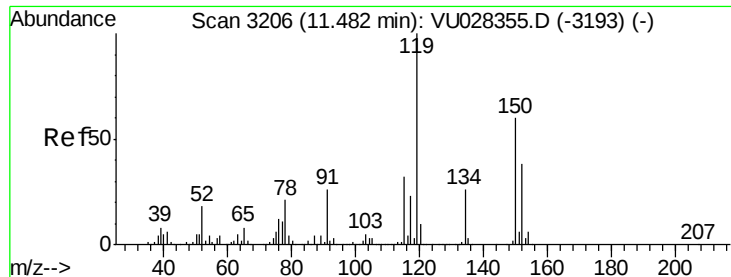
91 235.8 171.0 256.6



Abundance Ion 106.00 (105.70 to 106.70): V

Ion 91.00 (90.70 to 91.70): VU0





#72

1,4-Dichlorobenzene-d4

Concen: 50.000 ug/l

RT: 11.48 min Scan# 3206

Delta R.T. 0.00 min

Lab File: VU028400.D

Acq: 29 Nov 2018 17:43

Instrument :

MSVOA_U

ClientSampleId :

MW-7

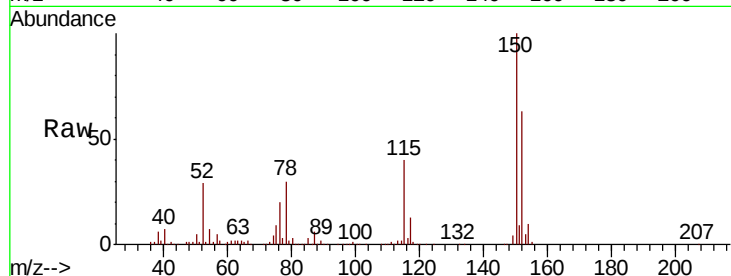
Tot Ion:152 Resp: 223543

Ion Ratio Lower Upper

152 100

115 62.5 45.0 134.8

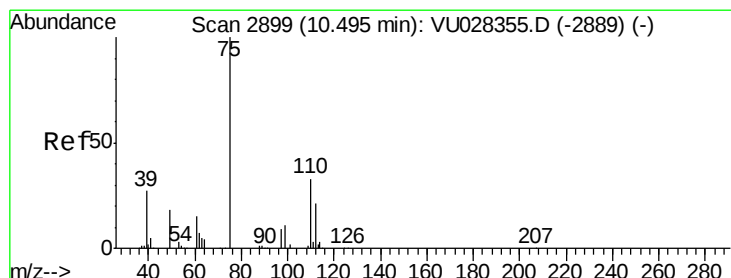
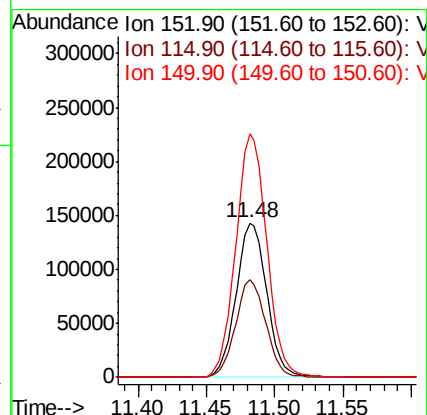
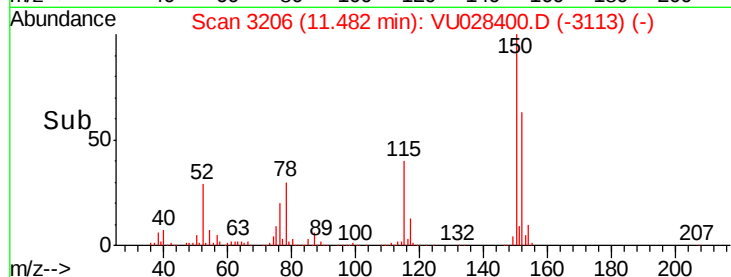
150 159.5 0.0 349.2



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: 21.327 ug/l

RT: 10.30 min Scan# 2840

Delta R.T. -0.19 min

Lab File: VU028400.D

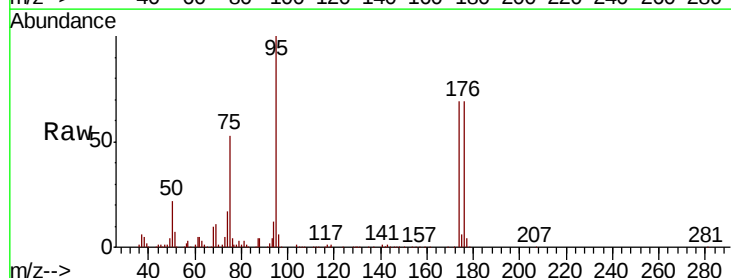
Acq: 29 Nov 2018 17:43

Tgt Ion: 75 Resp: 132204

Ion Ratio Lower Upper

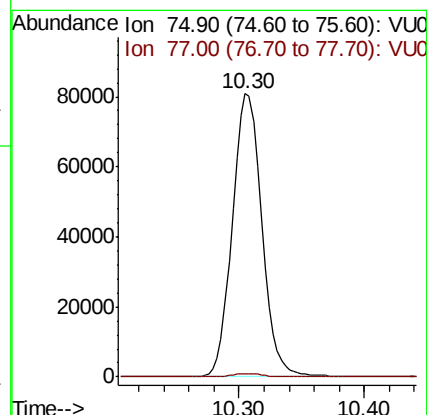
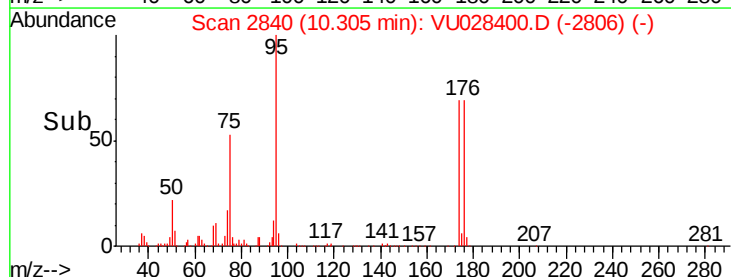
75 100

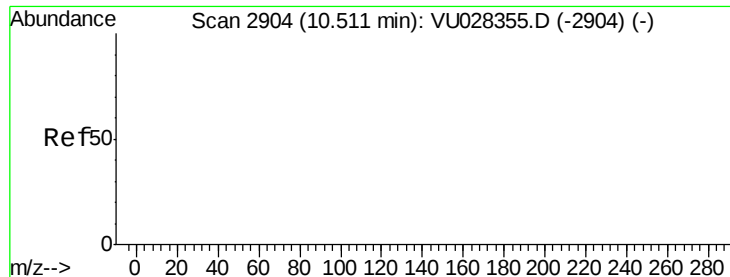
77 1.3 22.4 67.0#



Abundance Ion 74.90 (74.60 to 75.60): VU0

Ion 77.00 (76.70 to 77.70): VU0

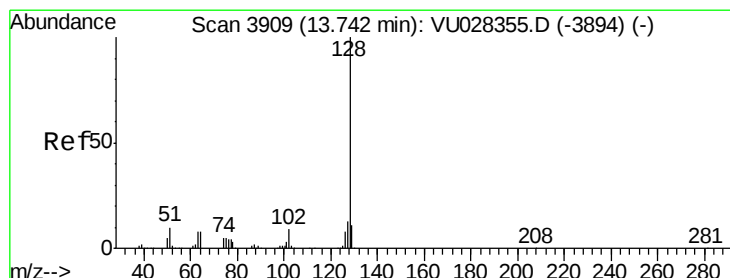
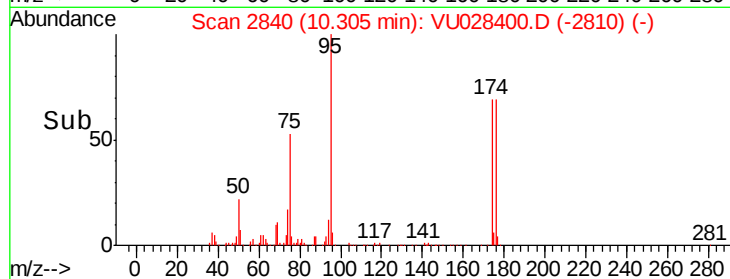
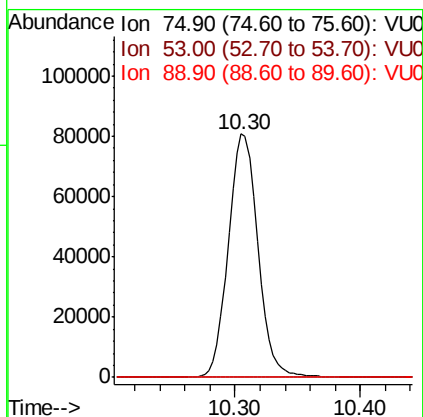
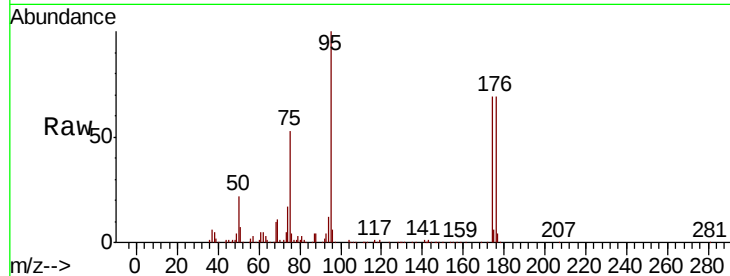




#81
trans-1,4-Dichloro-2-butene
Concen: 56.611 ug/l
RT: 10.30 min Scan# 2840
Delta R.T. -0.20 min
Lab File: VU028400.D
Acq: 29 Nov 2018 17:43

Instrument :
MSVOA_U
ClientSampled :
MW-7

Tot Ion: 75 Resp: 132204
Ion Ratio Lower Upper
75 100
53 0.0 0.0 0.0
89 0.0 0.0 0.0#



#95
Naphthalene
Concen: 2.971 ug/l
RT: 13.76 min Scan# 3915
Delta R.T. 0.02 min
Lab File: VU028400.D
Acq: 29 Nov 2018 17:43

Tgt Ion:128 Resp: 2702
Ion Ratio Lower Upper
128 100
127 4.0 10.6 15.8#
129 0.7 8.6 12.8#

