

Data Path : Z:\VOASRV\HPCHEM1\MSVOA U\DATA\VU112918\
 Data File : VU028402.D
 Acq On : 29 Nov 2018 18:29
 Operator : MD/SY
 Sample : J6134-05
 Misc : 5.0mL/MSVOA U/WATER
 ALS Vial : 24 Sample Multiplier: 1

Instrument :
 MSVOA_U
 ClientSampleId :
 MW-9

Quant Time: Nov 30 07:05:49 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	4.99	168	250059	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	5.89	114	488220	50.00	ug/l	0.00
63) Chlorobenzene-d5	9.09	117	451933	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	11.48	152	215502	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	221982	53.12	ug/l	0.00
Spiked Amount 50.000			Recovery	=	106.24%	
35) Dibromofluoromethane	4.88	113	162308	50.00	ug/l	0.00
Spiked Amount 50.000			Recovery	=	100.00%	
50) Toluene-d8	7.57	98	634682	48.88	ug/l	0.00
Spiked Amount 50.000			Recovery	=	97.76%	
62) 4-Bromofluorobenzene	10.30	95	235142	50.25	ug/l	0.00
Spiked Amount 50.000			Recovery	=	100.50%	

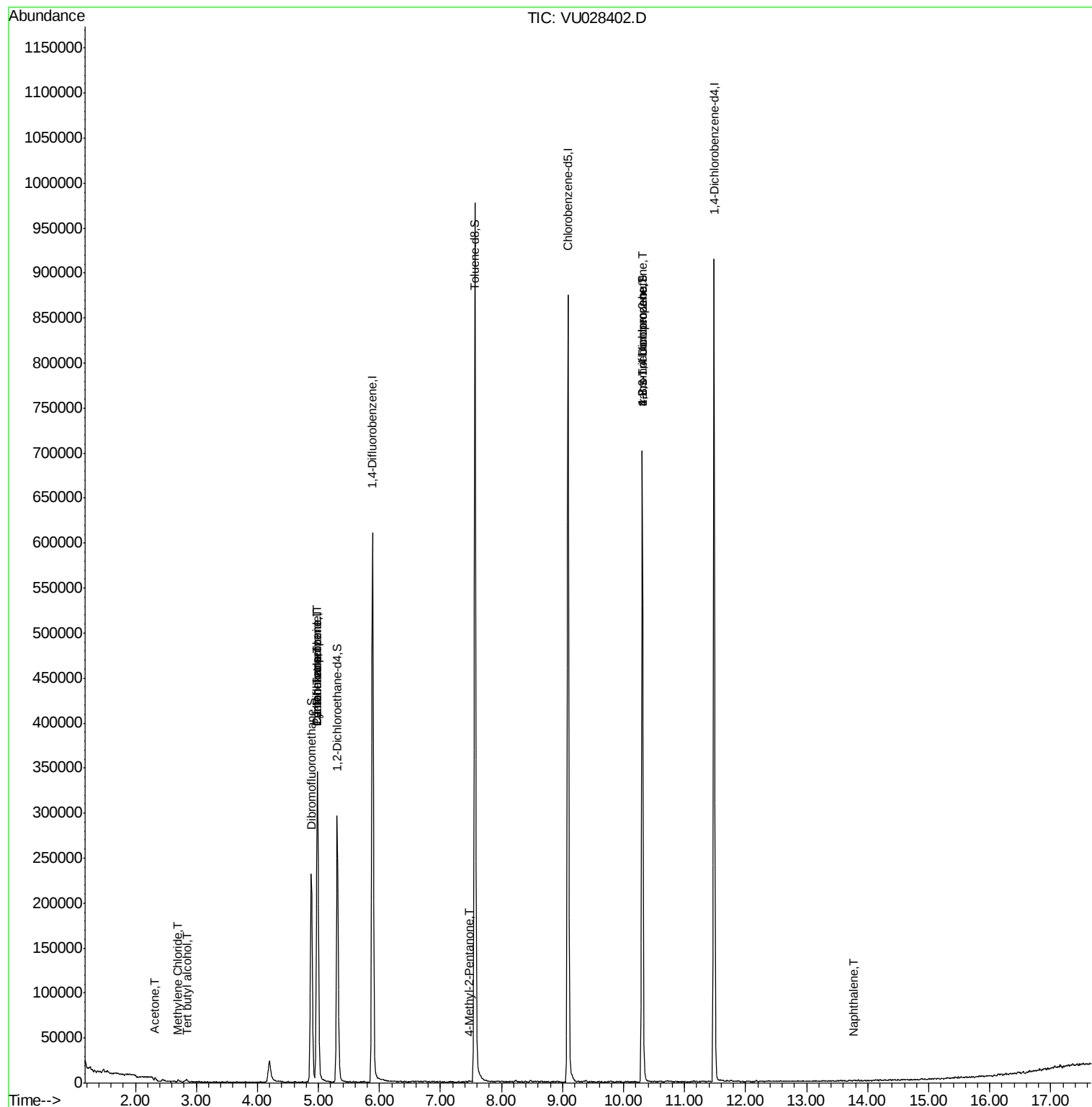
Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
11) Tert butyl alcohol	2.84	59	1920	2.022	ug/l #	72
16) Acetone	2.32	43	3155	1.234	ug/l #	85
20) Methylene Chloride	2.71	84	995	0.202	ug/l #	68
31) Cyclohexane	4.98	56	6586	0.565	ug/l #	1
36) 1,1-Dichloropropene	4.98	75	23868	4.468	ug/l #	51
38) Carbon Tetrachloride	4.98	117	26518	6.044	ug/l #	16
51) 4-Methyl-2-Pentanone	7.47	43	1631	0.221	ug/l #	39
76) 1,2,3-Trichloropropane	10.30	75	126513	21.170	ug/l #	33
81) trans-1,4-Dichloro-2-buten	10.30	75	126513	56.196	ug/l #	100
95) Naphthalene	13.76	128	461	2.859	ug/l #	69

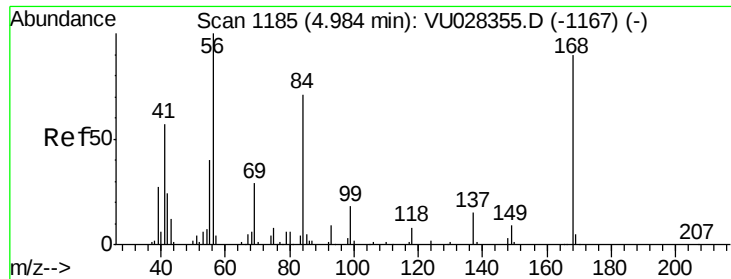
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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Quant Method : Z:\V0ASRV\HPCHEM1\MSVOA_U\METHOD\82U112818W.M
Quant Title : SW846 8260
QLast Update : Thu Nov 29 01:04:49 2018
Response via : Initial Calibration





#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 4.99 min Scan# 1186

Delta R.T. 0.00 min

Lab File: VU028402.D

Acq: 29 Nov 2018 18:29

Instrument :

MSVOA_U

ClientSampleId :

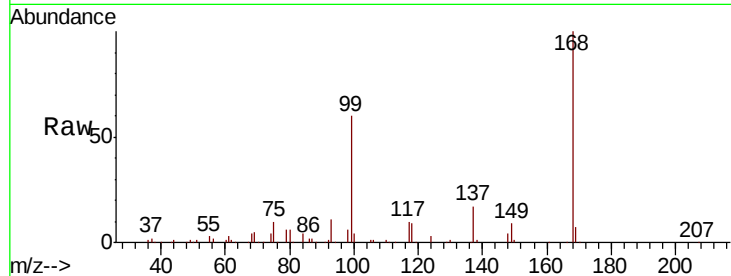
MW-9

Tot Ion:168 Resp: 250059

Ion Ratio Lower Upper

168 100

99 60.2 49.6 74.4



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

Ion 98.90 (98.60 to 99.60): VU028355.D (-1167) (-)

4.99

120000

100000

80000

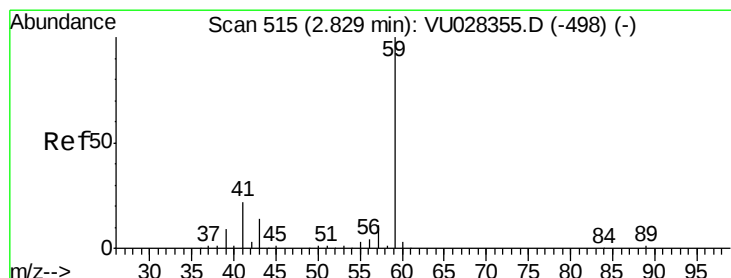
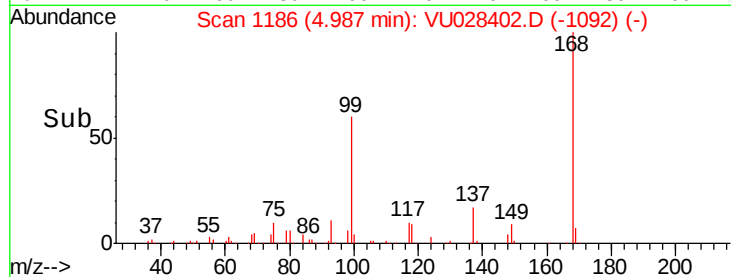
60000

40000

20000

0

Time-->



#11

Tert butyl alcohol

Concen: 2.022 ug/l

RT: 2.84 min Scan# 518

Delta R.T. 0.01 min

Lab File: VU028402.D

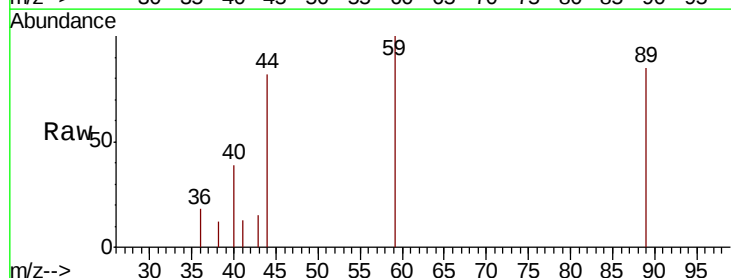
Acq: 29 Nov 2018 18:29

Tgt Ion: 59 Resp: 1920

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): VU028355.D (-498) (-)

2.84

1200

1000

800

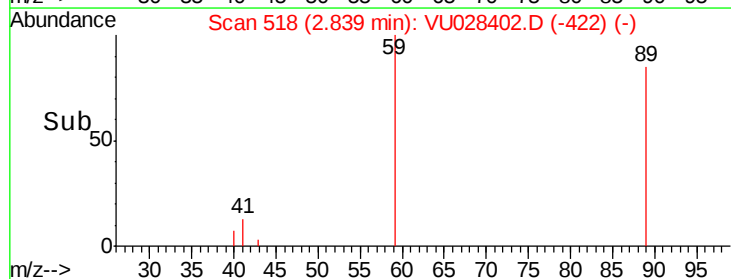
600

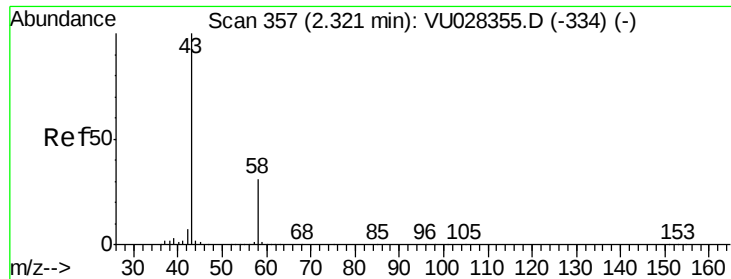
400

200

0

Time-->





#16

Acetone

Concen: 1.234 ug/l

RT: 2.32 min Scan# 357

Delta R.T. -0.00 min

Lab File: VU028402.D

Acq: 29 Nov 2018 18:29

Instrument :

MSVOA_U

ClientSampleId :

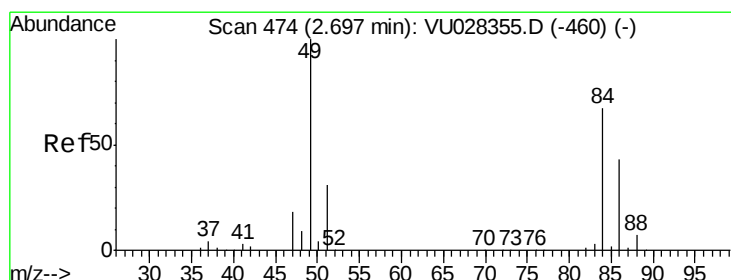
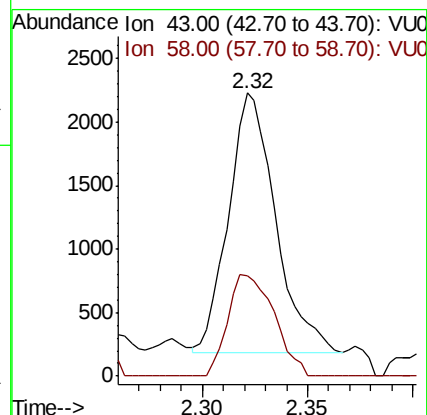
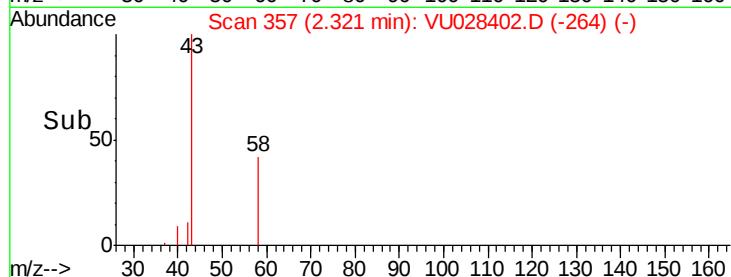
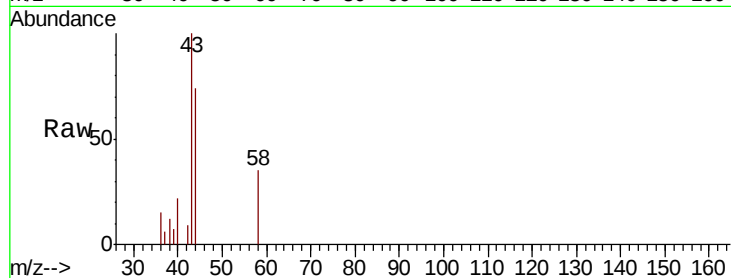
MW-9

Tot Ion: 43 Resp: 3155

Ion Ratio Lower Upper

43 100

58 38.6 24.4 36.6#



#20

Methylene Chloride

Concen: 0.202 ug/l

RT: 2.71 min Scan# 477

Delta R.T. 0.01 min

Lab File: VU028402.D

Acq: 29 Nov 2018 18:29

Tgt Ion: 84 Resp: 995

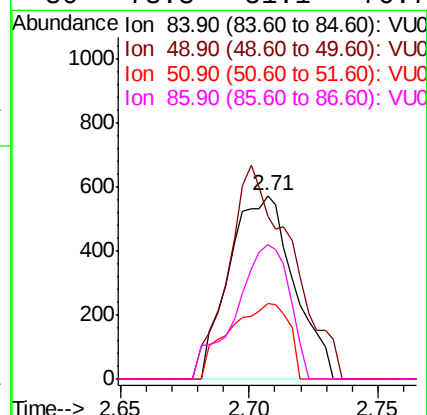
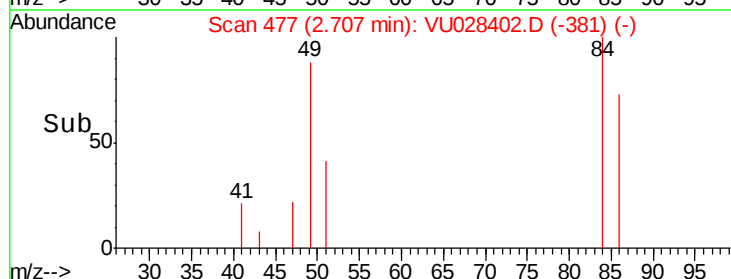
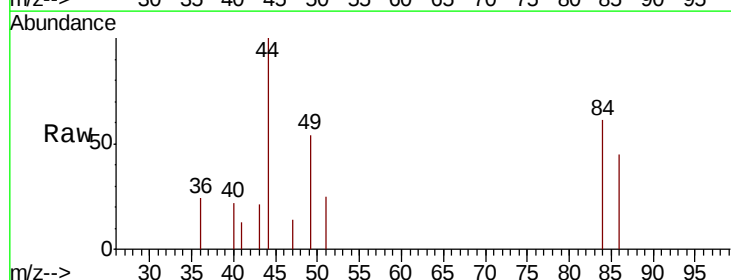
Ion Ratio Lower Upper

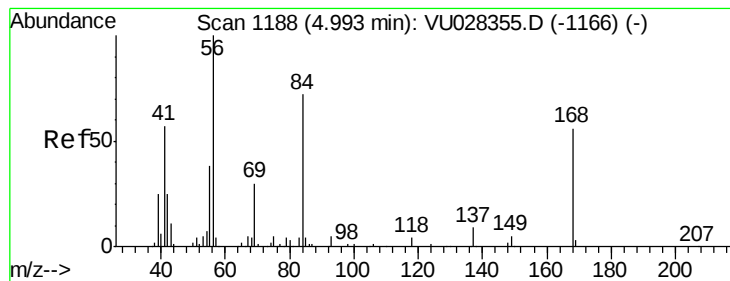
84 100

49 88.5 120.0 180.0#

51 41.3 36.9 55.3

86 73.3 51.1 76.7





#31

Cyclohexane

Concen: 0.565 ug/l

RT: 4.98 min Scan# 1185

Delta R.T. -0.01 min

Lab File: VU028402.D

Acq: 29 Nov 2018 18:29

Instrument :

MSVOA_U

ClientSampled :

MW-9

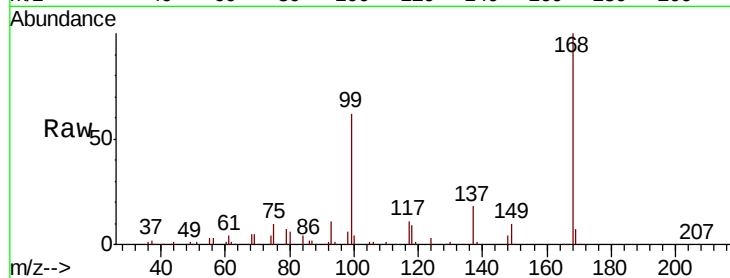
Tot Ion: 56 Resp: 6586

Ion Ratio Lower Upper

56 100

69 191.4 23.7 35.5#

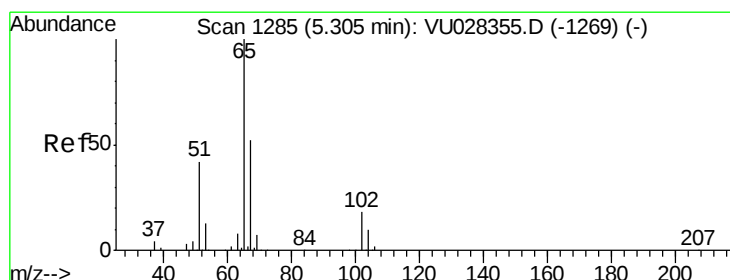
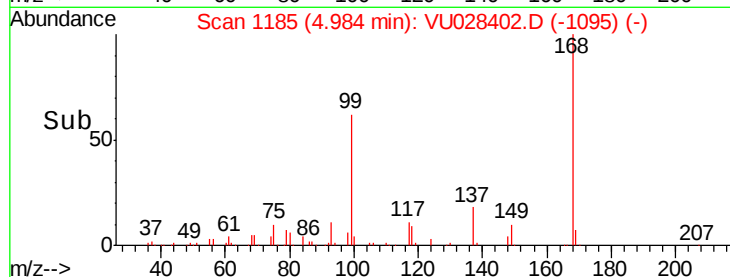
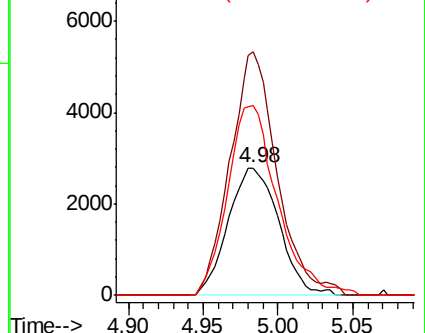
84 149.1 57.3 85.9#



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: 53.117 ug/l

RT: 5.31 min Scan# 1286

Delta R.T. 0.00 min

Lab File: VU028402.D

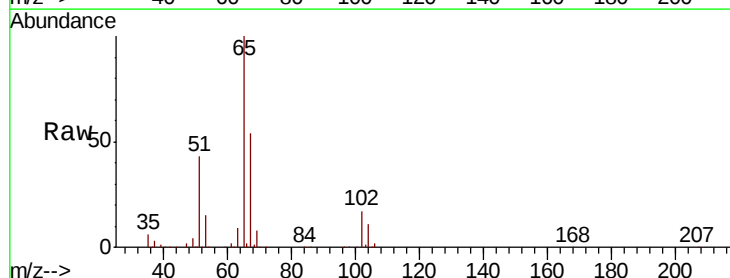
Acq: 29 Nov 2018 18:29

Tgt Ion: 65 Resp: 221982

Ion Ratio Lower Upper

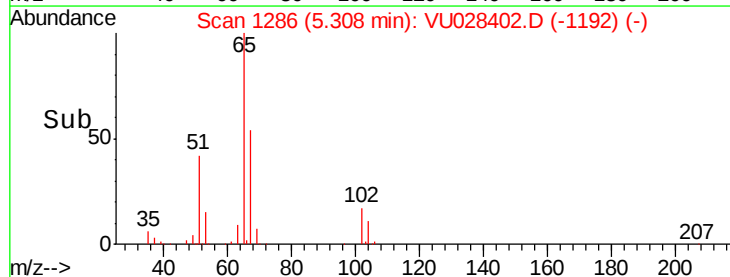
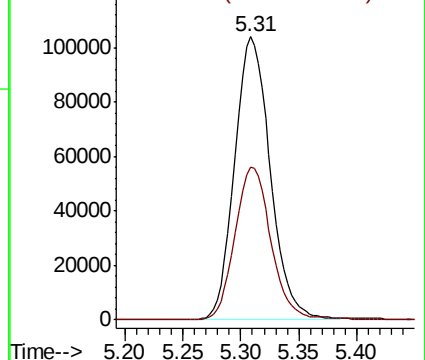
65 100

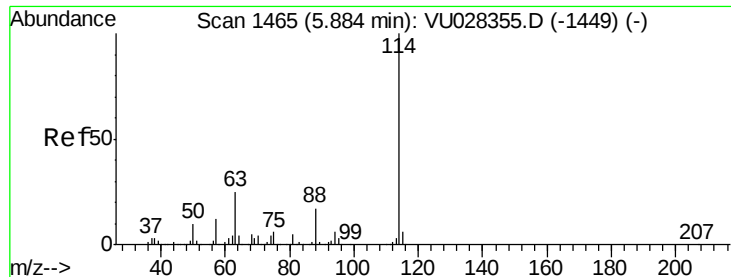
67 54.7 0.0 106.8



Abundance Ion 64.90 (64.60 to 65.60): VU0

Ion 66.90 (66.60 to 67.60): VU0

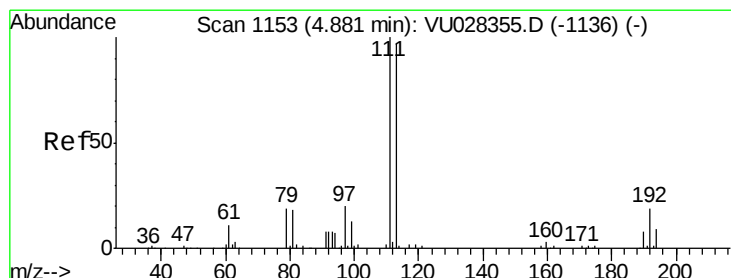
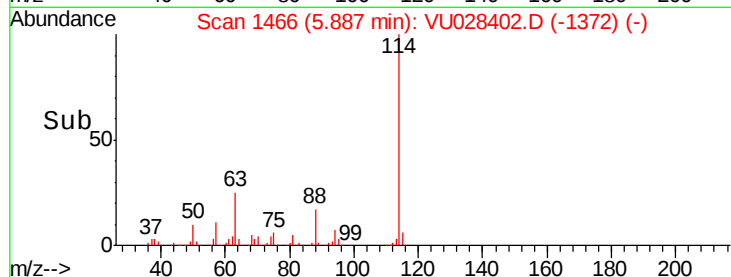
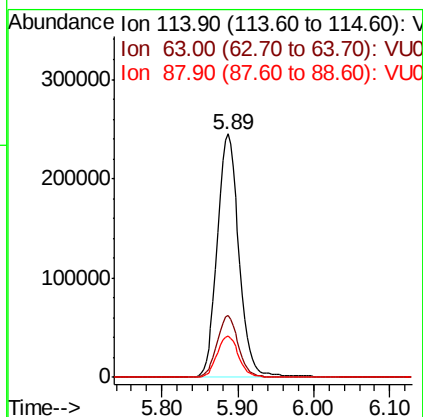
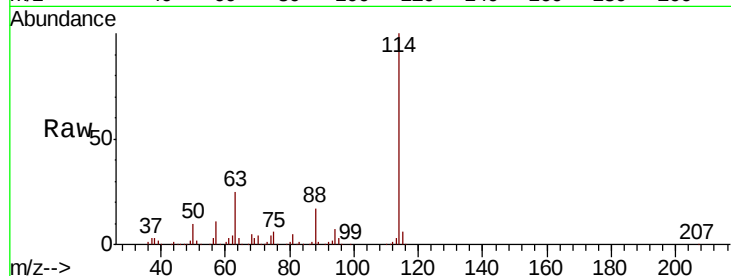




#34
 1,4-Difluorobenzene
 Concen: 50.000 ug/l
 RT: 5.89 min Scan# 1466
 Delta R.T. 0.00 min
 Lab File: VU028402.D
 Acq: 29 Nov 2018 18:29

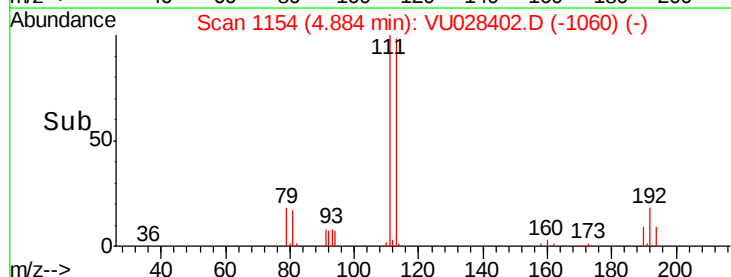
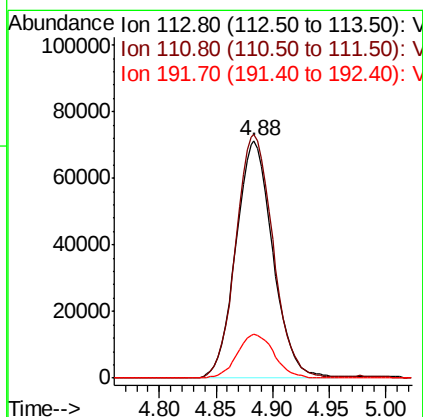
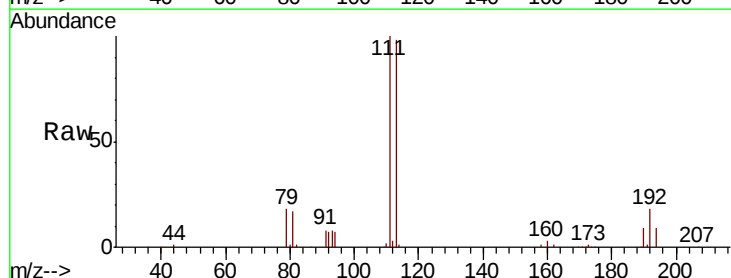
Instrument :
 MSVOA_U
 ClientSampleId :
 MW-9

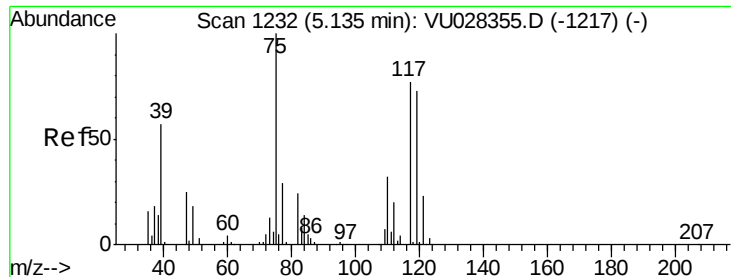
Tot Ion:114 Resp: 488220
 Ion Ratio Lower Upper
 114 100
 63 25.3 0.0 50.0
 88 16.7 0.0 34.4



#35
 Dibromofluoromethane
 Concen: 49.995 ug/l
 RT: 4.88 min Scan# 1154
 Delta R.T. 0.00 min
 Lab File: VU028402.D
 Acq: 29 Nov 2018 18:29

Tgt Ion:113 Resp: 162308
 Ion Ratio Lower Upper
 113 100
 111 103.4 82.9 124.3
 192 18.5 15.4 23.0





#36

1,1-Dichloropropene

Concen: 4.468 ug/l

RT: 4.98 min Scan# 1185

Delta R.T. -0.15 min

Lab File: VU028402.D

Acq: 29 Nov 2018 18:29

Instrument :

MSVOA_U

ClientSampled :

MW-9

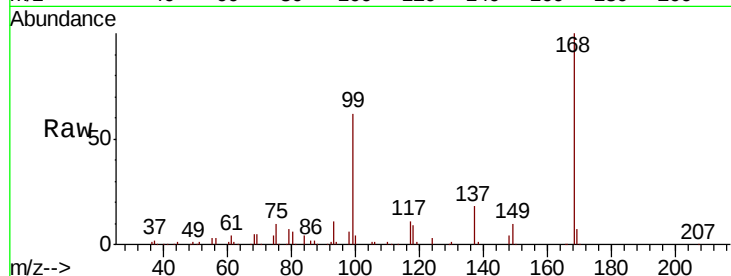
Tot Ion: 75 Resp: 23868

Ion Ratio Lower Upper

75 100

110 8.2 15.8 47.4#

77 0.0 24.6 36.8#

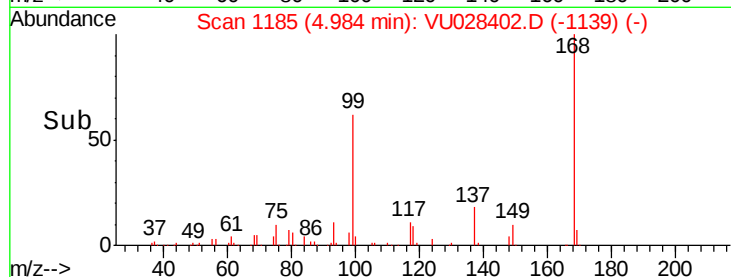


Abundance Ion 74.90 (74.60 to 75.60): VU028355.D (-1217) (-)

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

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

Time-->

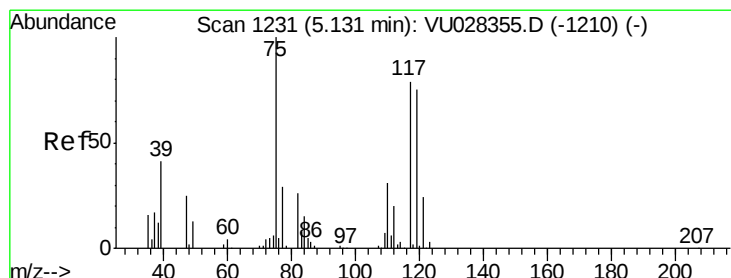


Abundance Ion 74.90 (74.60 to 75.60): VU028402.D (-1139) (-)

Ion 109.90 (109.60 to 110.60): VU028402.D (-1139) (-)

Ion 76.90 (76.60 to 77.60): VU028402.D (-1139) (-)

Time-->



#38

Carbon Tetrachloride

Concen: 6.044 ug/l

RT: 4.98 min Scan# 1185

Delta R.T. -0.15 min

Lab File: VU028402.D

Acq: 29 Nov 2018 18:29

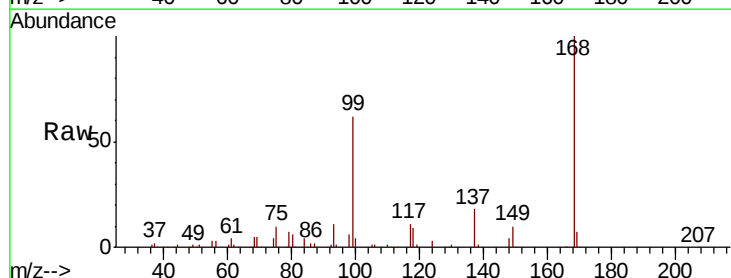
Tgt Ion: 117 Resp: 26518

Ion Ratio Lower Upper

117 100

119 5.0 76.3 114.5#

121 0.0 24.7 37.1#

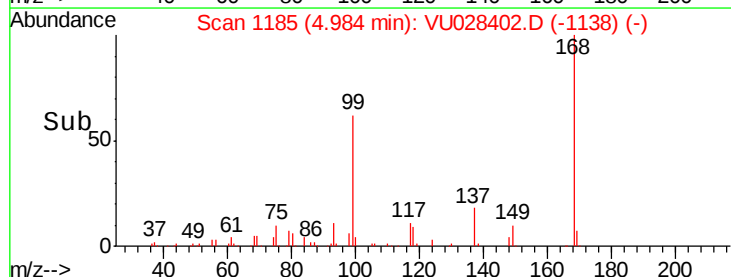


Abundance Ion 116.80 (116.50 to 117.50): VU028355.D (-1210) (-)

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

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

Time-->

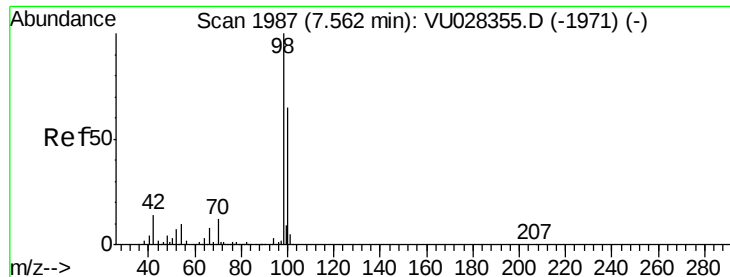


Abundance Ion 116.80 (116.50 to 117.50): VU028402.D (-1138) (-)

Ion 118.80 (118.50 to 119.50): VU028402.D (-1138) (-)

Ion 120.80 (120.50 to 121.50): VU028402.D (-1138) (-)

Time-->



#50

Toluene-d8

Concen: 48.883 ug/l

RT: 7.57 min Scan# 1988

Delta R.T. 0.00 min

Lab File: VU028402.D

Acq: 29 Nov 2018 18:29

Instrument :

MSVOA_U

ClientSampleId :

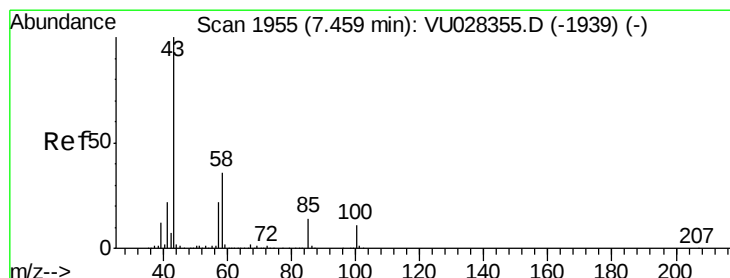
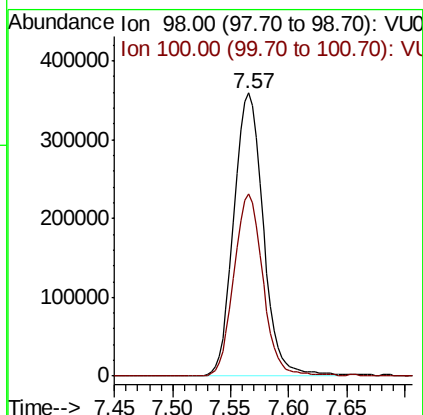
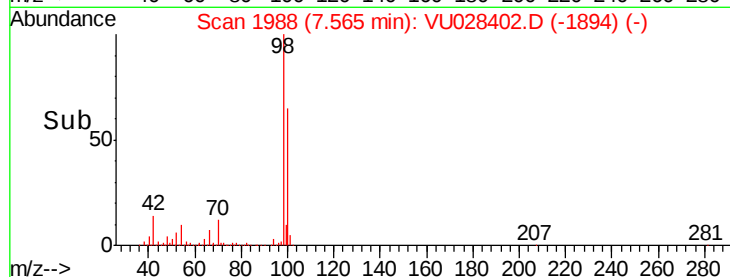
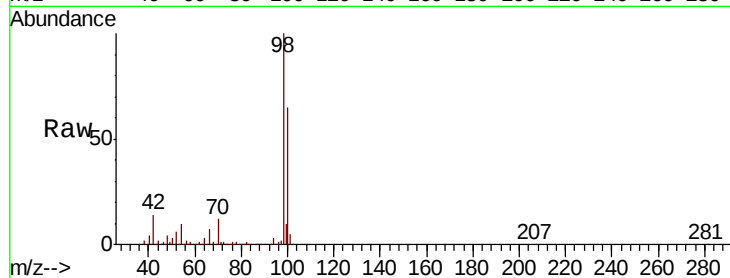
MW-9

Tot Ion: 98 Resp: 634682

Ion Ratio Lower Upper

98 100

100 63.5 50.8 76.2



#51

4-Methyl-2-Pentanone

Concen: 0.221 ug/l

RT: 7.47 min Scan# 1959

Delta R.T. 0.01 min

Lab File: VU028402.D

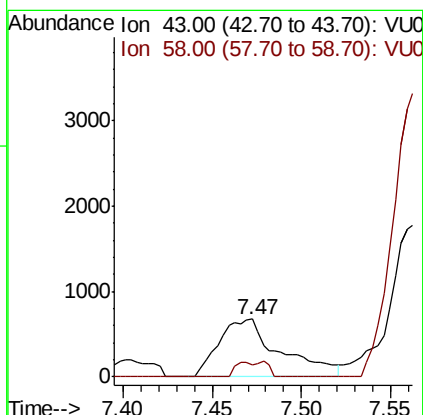
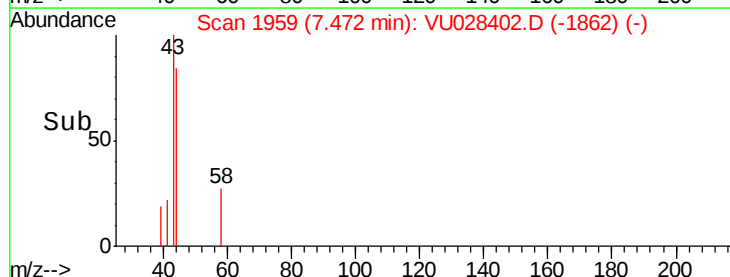
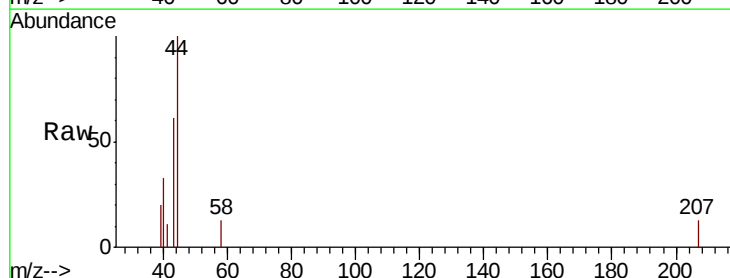
Acq: 29 Nov 2018 18:29

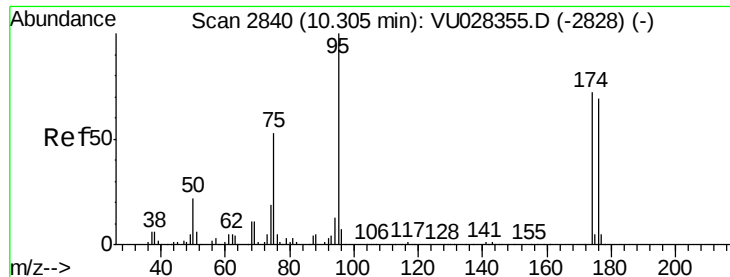
Tgt Ion: 43 Resp: 1631

Ion Ratio Lower Upper

43 100

58 0.0 28.8 43.2#

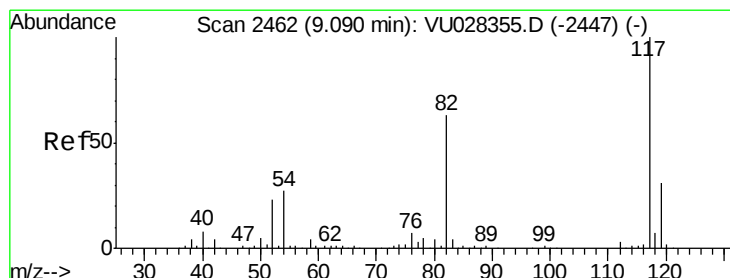
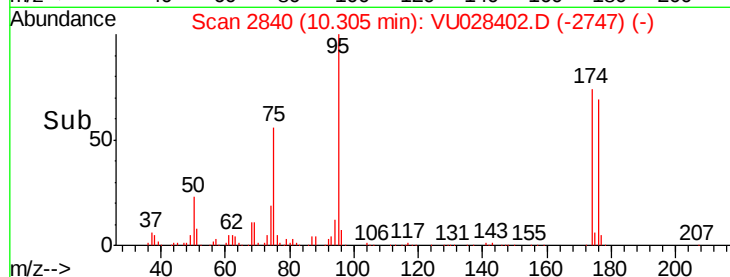
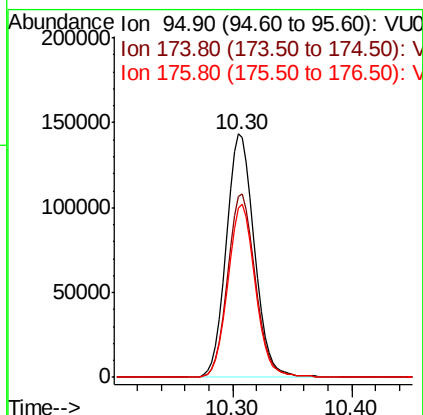
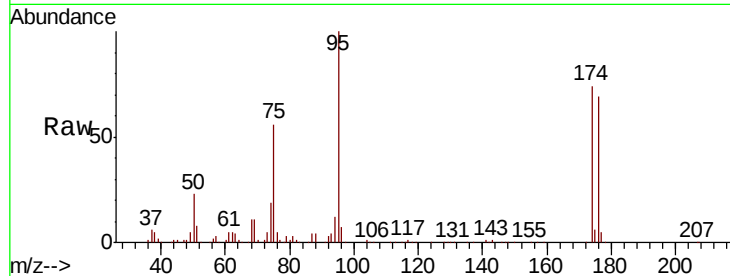




#62
4-Bromofluorobenzene
Concen: 50.248 ug/l
RT: 10.30 min Scan# 2840
Delta R.T. -0.00 min
Lab File: VU028402.D
Acq: 29 Nov 2018 18:29

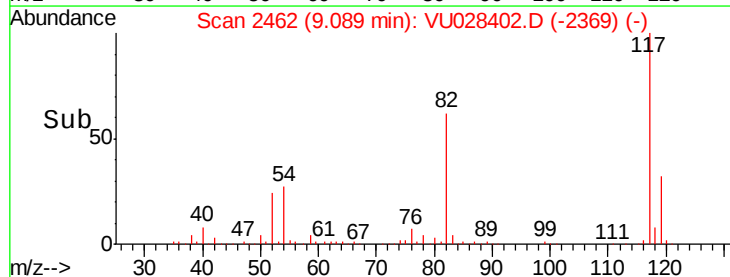
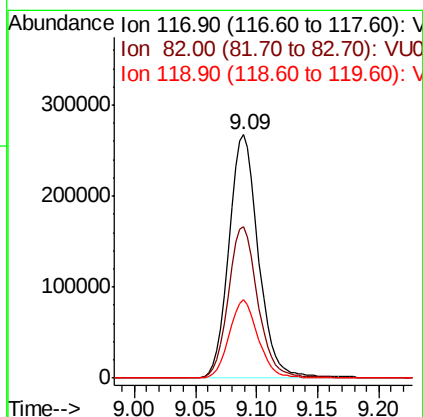
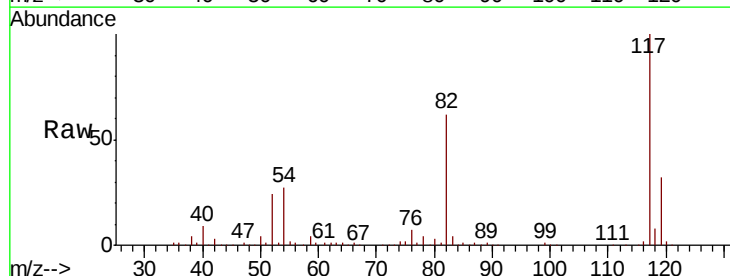
Instrument :
MSVOA_U
ClientSampleId :
MW-9

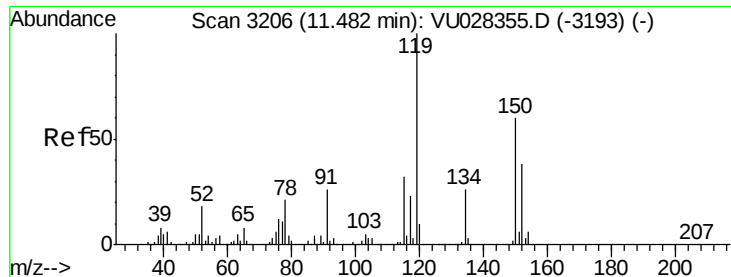
Tot Ion: 95 Resp: 235142
Ion Ratio Lower Upper
95 100
174 74.6 0.0 145.4
176 69.7 0.0 140.8



#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 9.09 min Scan# 2462
Delta R.T. -0.00 min
Lab File: VU028402.D
Acq: 29 Nov 2018 18:29

Tgt Ion: 117 Resp: 451933
Ion Ratio Lower Upper
117 100
82 62.2 50.3 75.5
119 32.2 24.8 37.2





#72

1,4-Dichlorobenzene-d4

Concen: 50.000 ug/l

RT: 11.48 min Scan# 3206

Delta R.T. -0.00 min

Lab File: VU028402.D

Acq: 29 Nov 2018 18:29

Instrument :

MSVOA_U

ClientSampled :

MW-9

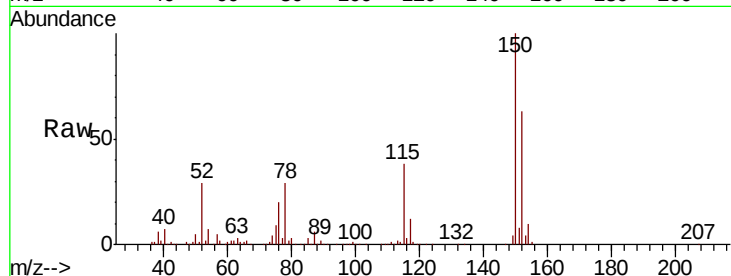
Tot Ion:152 Resp: 215502

Ion Ratio Lower Upper

152 100

115 61.7 45.0 134.8

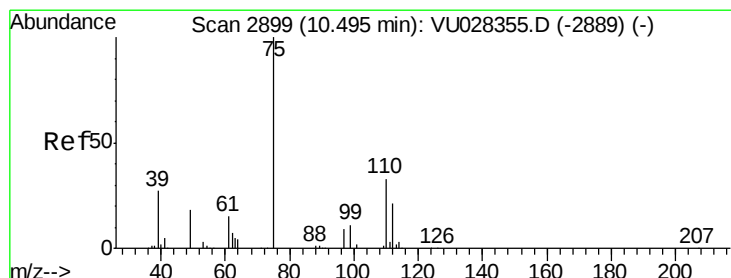
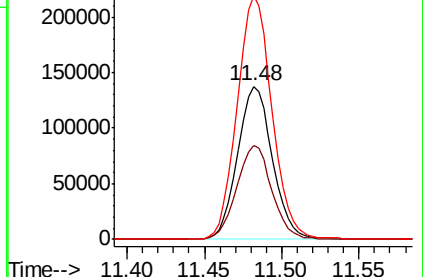
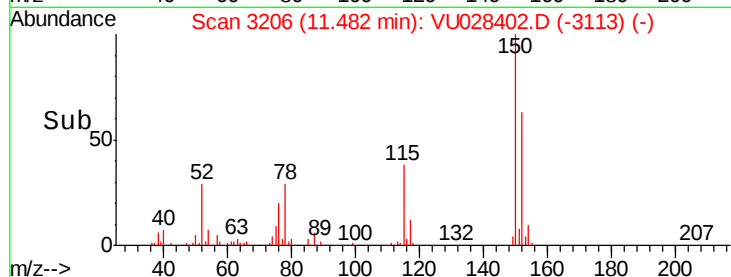
150 159.1 0.0 349.2



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: 21.170 ug/l

RT: 10.30 min Scan# 2840

Delta R.T. -0.19 min

Lab File: VU028402.D

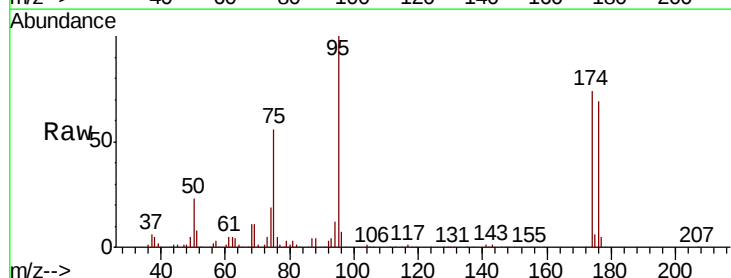
Acq: 29 Nov 2018 18:29

Tgt Ion: 75 Resp: 126513

Ion Ratio Lower Upper

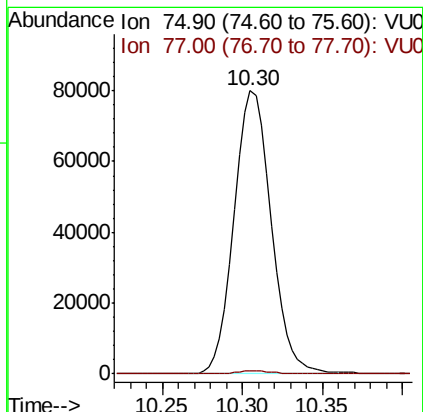
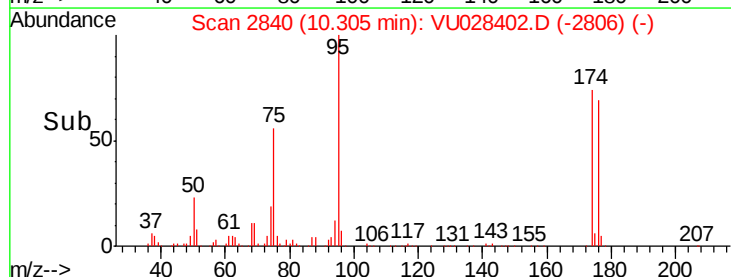
75 100

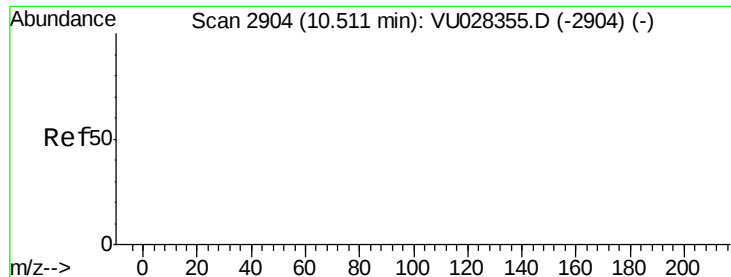
77 1.0 22.4 67.0#



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: 56.196 ug/l

RT: 10.30 min Scan# 2840

Delta R.T. -0.20 min

Lab File: VU028402.D

Acq: 29 Nov 2018 18:29

Instrument :

MSVOA_U

ClientSampleId :

MW-9

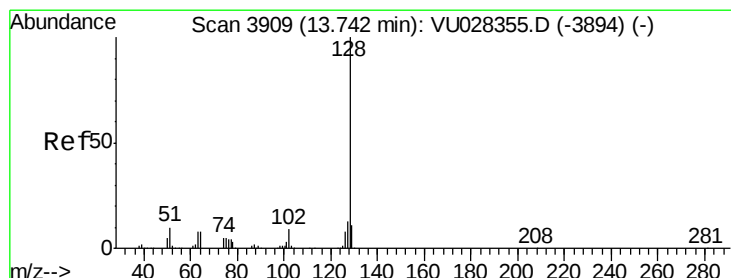
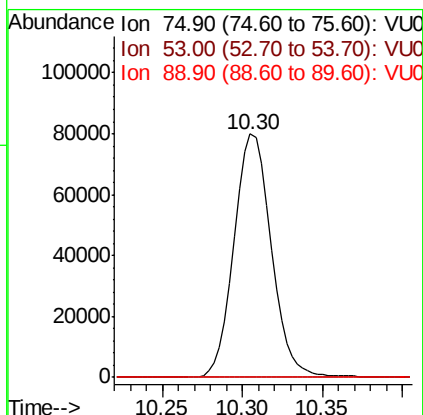
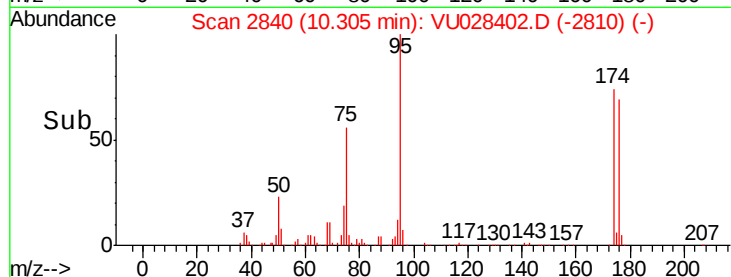
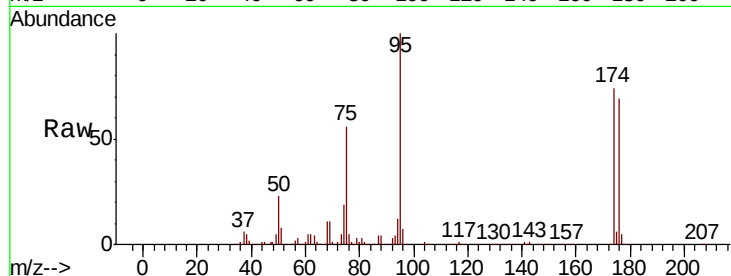
Tot Ion: 75 Resp: 126513

Ion Ratio Lower Upper

75 100

53 0.0 0.0 0.0

89 0.0 0.0 0.0



#95

Naphthalene

Concen: 2.859 ug/l

RT: 13.76 min Scan# 3916

Delta R.T. 0.02 min

Lab File: VU028402.D

Acq: 29 Nov 2018 18:29

Tgt Ion: 128 Resp: 461

Ion Ratio Lower Upper

128 100

127 0.0 10.6 15.8#

129 0.0 8.6 12.8#

