

Data Path : Z:\VOASRV\HPCHEM1\MSVOA U\DATA\VU110518\
 Data File : VU027965.D
 Acq On : 05 Nov 2018 18:14
 Operator : MD/SY
 Sample : J5778-05
 Misc : 5.0mL/MSVOA U/WATER
 ALS Vial : 27 Sample Multiplier: 1

Instrument :
 MSVOA_U
 ClientSampleId :
 OILY-GRAVEL

Quant Time: Nov 06 04:43:19 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

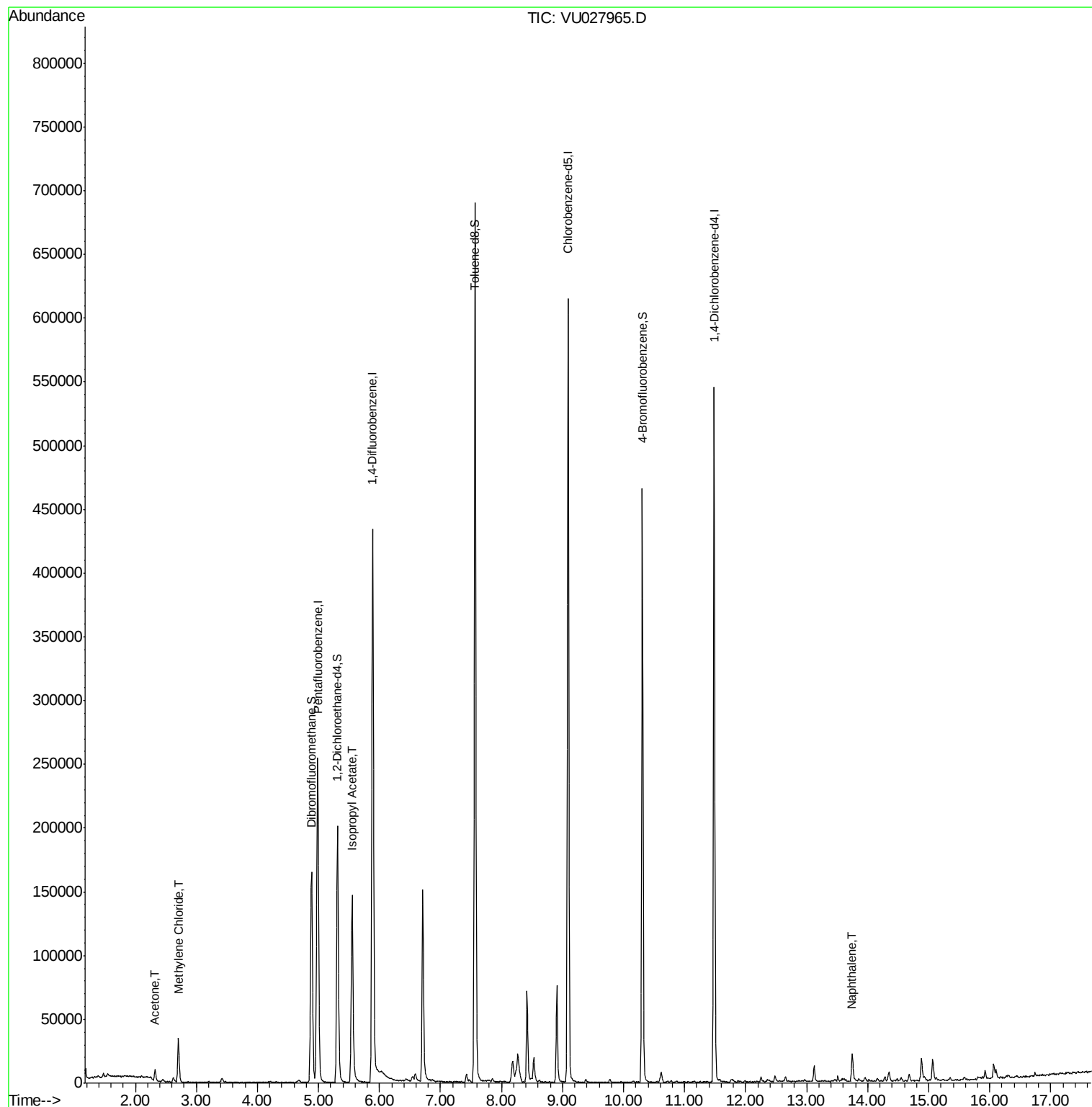
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	4.99	168	189662	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	5.89	114	351243	50.00	ug/l	0.00
63) Chlorobenzene-d5	9.09	117	315184	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	11.48	152	134193	50.00	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	5.31	65	154039	54.63	ug/l	0.00
Spiked Amount 50.000			Recovery	=	109.26%	
35) Dibromofluoromethane	4.89	113	116264	52.50	ug/l	0.00
Spiked Amount 50.000			Recovery	=	105.00%	
50) Toluene-d8	7.57	98	450739	52.69	ug/l	0.00
Spiked Amount 50.000			Recovery	=	105.38%	
62) 4-Bromofluorobenzene	10.31	95	154004	48.81	ug/l	0.00
Spiked Amount 50.000			Recovery	=	97.62%	
Target Compounds						
16) Acetone	2.32	43	9466	5.411	ug/l	93
20) Methylene Chloride	2.71	84	14317	5.605	ug/l	97
43) Isopropyl Acetate	5.55	43	179630	21.271	ug/l	99
95) Naphthalene	13.75	128	19736	1.617	ug/l	98

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

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#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 4.99 min Scan# 1186

Delta R.T. 0.00 min

Lab File: VU027965.D

Acq: 05 Nov 2018 18:14

Instrument :

MSVOA_U

ClientSampleId :

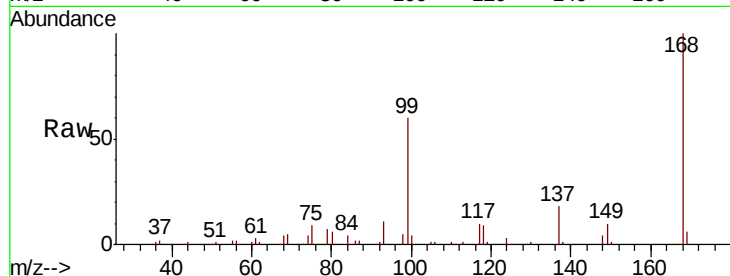
OILY-GRAVEL

Tot Ion:168 Resp: 189662

Ion Ratio Lower Upper

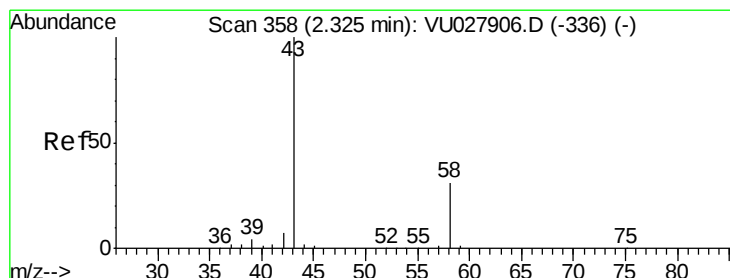
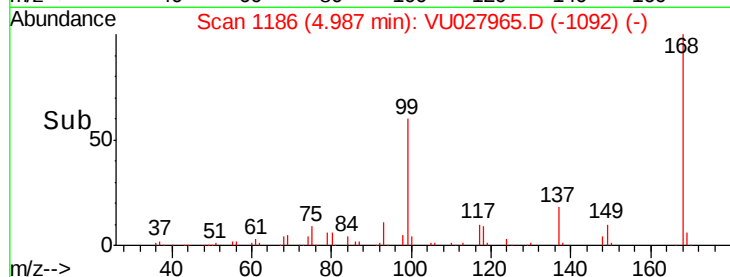
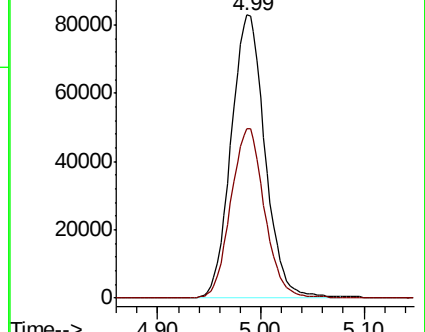
168 100

99 59.8 47.9 71.9



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

Ion 98.90 (98.60 to 99.60): VU027906.D (-1168) (-)



#16

Acetone

Concen: 5.411 ug/l

RT: 2.32 min Scan# 358

Delta R.T. -0.00 min

Lab File: VU027965.D

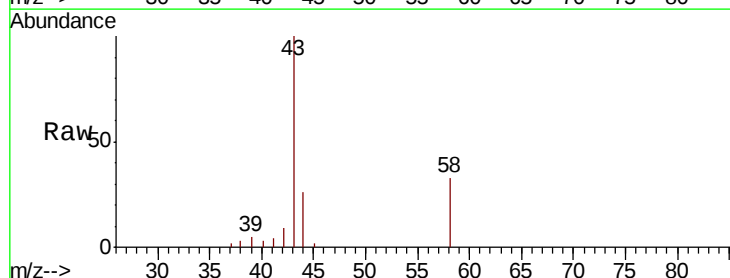
Acq: 05 Nov 2018 18:14

Tgt Ion: 43 Resp: 9466

Ion Ratio Lower Upper

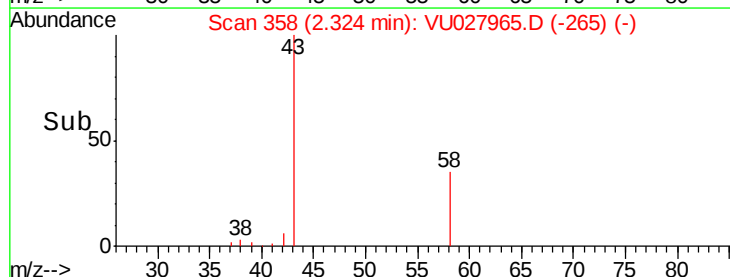
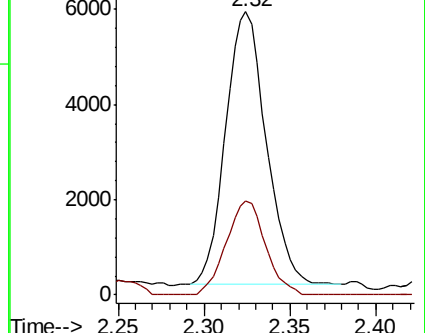
43 100

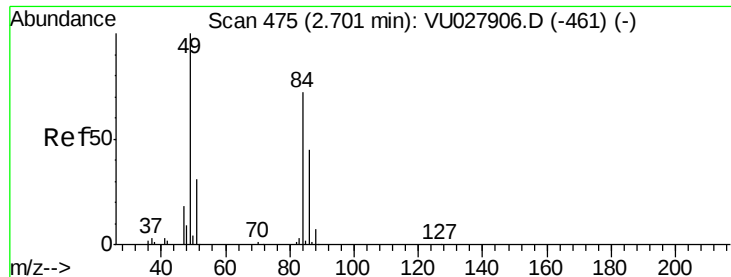
58 34.4 24.6 37.0



Abundance Ion 43.00 (42.70 to 43.70): VU027906.D (-336) (-)

Ion 58.00 (57.70 to 58.70): VU027906.D (-336) (-)

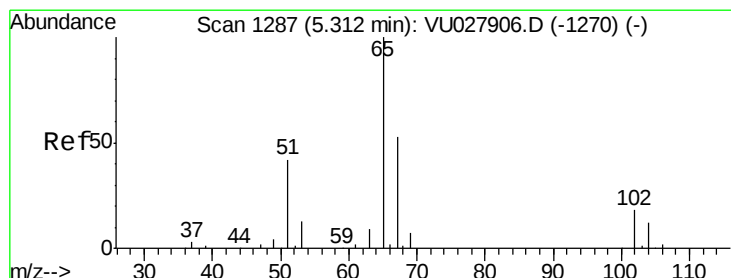
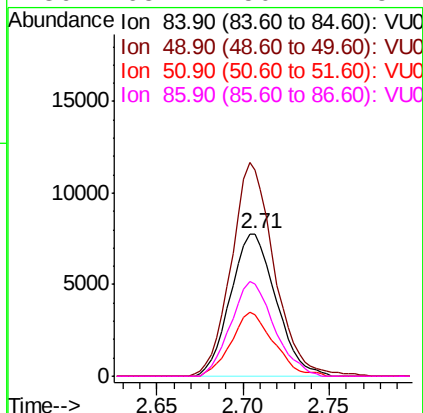
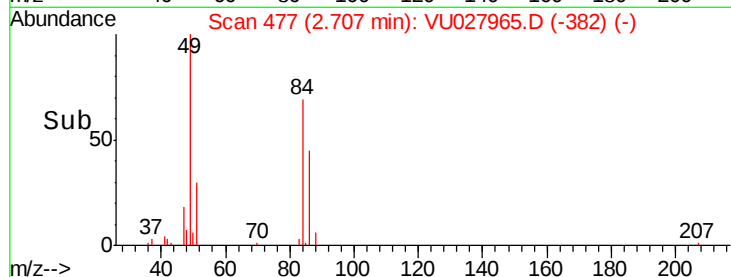
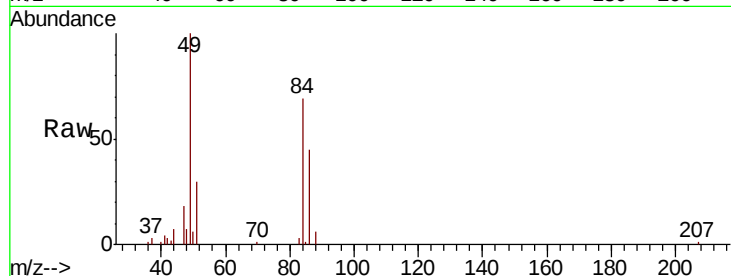




#20
Methvlene Chloride
Concen: 5.605 ug/l
RT: 2.71 min Scan# 477
Delta R.T. 0.01 min
Lab File: VU027965.D
Acq: 05 Nov 2018 18:14

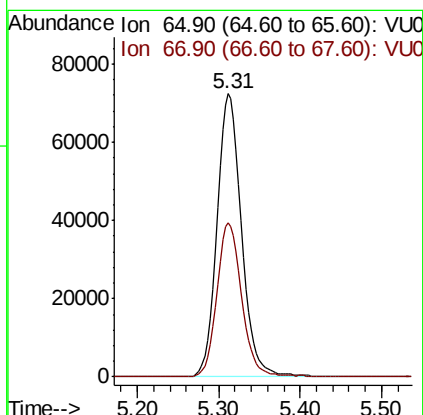
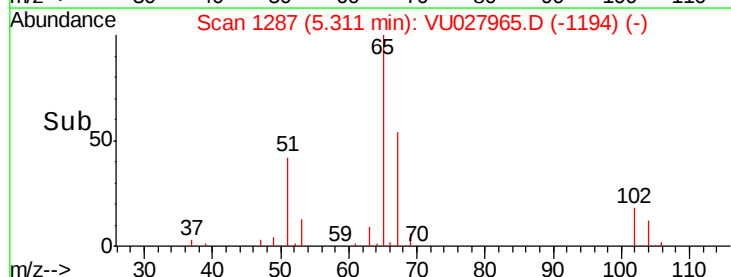
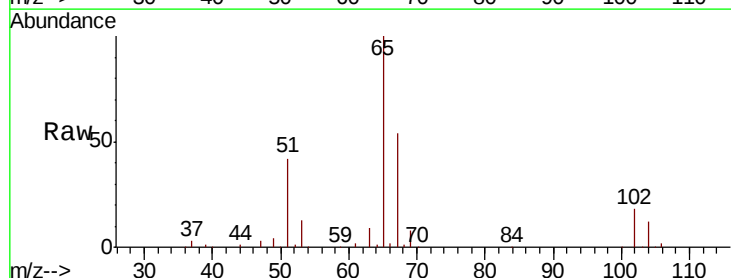
Instrument :
MSVOA_U
ClientSampleId :
OILY-GRAVEL

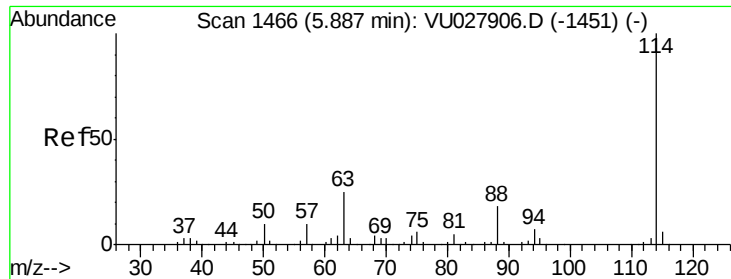
Tot Ion: 84 Resp: 14317
Ion Ratio Lower Upper
84 100
49 144.7 111.6 167.4
51 43.2 34.8 52.2
86 65.1 50.1 75.1



#33
1,2-Dichloroethane-d4
Concen: 54.628 ug/l
RT: 5.31 min Scan# 1287
Delta R.T. -0.00 min
Lab File: VU027965.D
Acq: 05 Nov 2018 18:14

Tgt Ion: 65 Resp: 154039
Ion Ratio Lower Upper
65 100
67 54.8 0.0 109.0

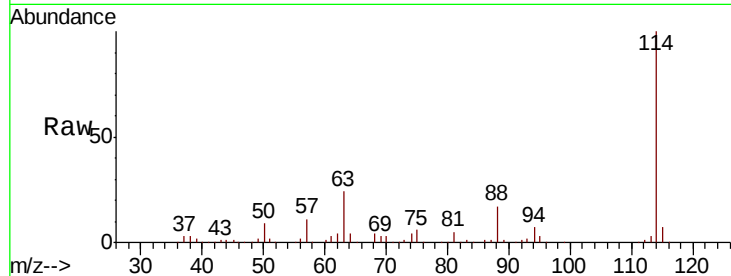




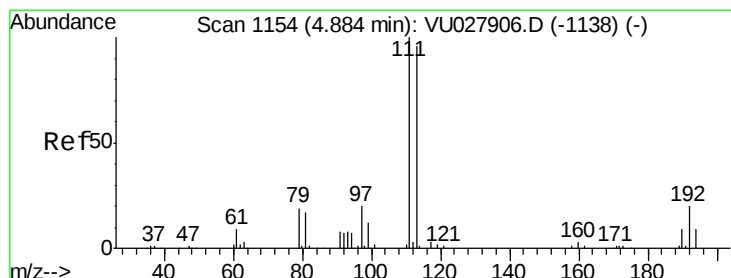
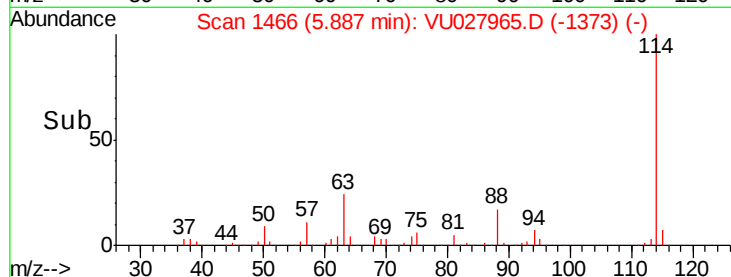
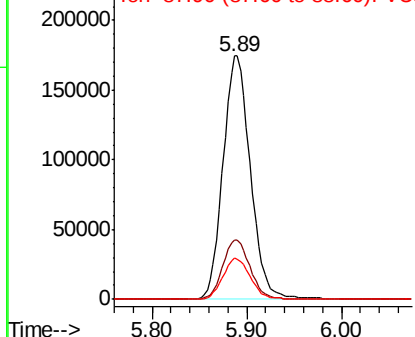
#34
1,4-Difluorobenzene
Concen: 50.000 ug/l
RT: 5.89 min Scan# 1466
Delta R.T. -0.00 min
Lab File: VU027965.D
Acq: 05 Nov 2018 18:14

Instrument :
MSVOA_U
ClientSampleId :
OILY-GRAVEL

Tot Ion	Ratio	Lower	Upper
114	100		
63	24.3	0.0	50.8
88	16.8	0.0	35.8

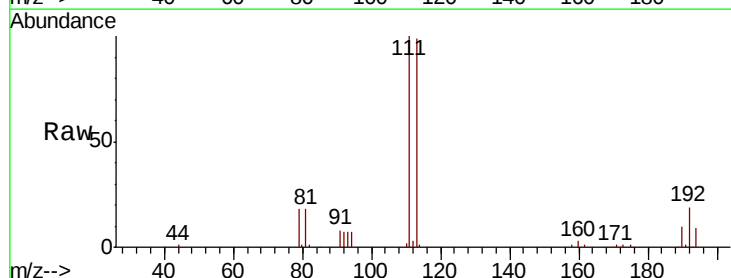


Abundance Ion 113.90 (113.60 to 114.60): V
Ion 63.00 (62.70 to 63.70): VU0
Ion 87.90 (87.60 to 88.60): VU0

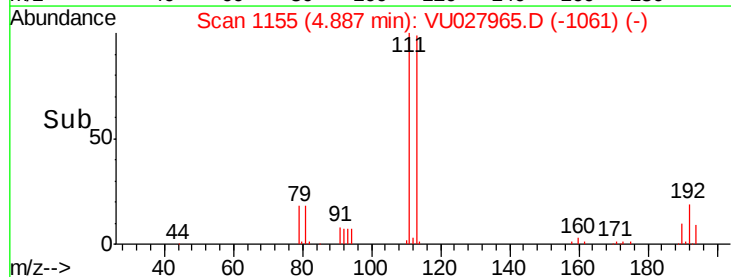
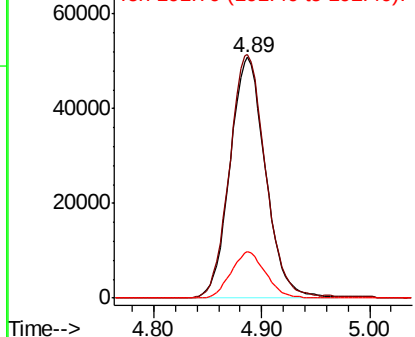


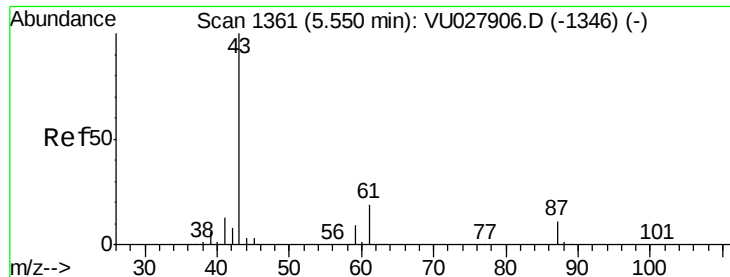
#35
Dibromofluoromethane
Concen: 52.498 ug/l
RT: 4.89 min Scan# 1155
Delta R.T. 0.00 min
Lab File: VU027965.D
Acq: 05 Nov 2018 18:14

Tgt Ion	Ratio	Lower	Upper
113	100		
111	101.8	83.0	124.6
192	18.8	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





#43

Isopropyl Acetate

Concen: 21.271 ug/l

RT: 5.55 min Scan# 1362

Delta R.T. 0.00 min

Lab File: VU027965.D

Acq: 05 Nov 2018 18:14

Instrument :

MSVOA_U

ClientSampleId :

OILY-GRAVEL

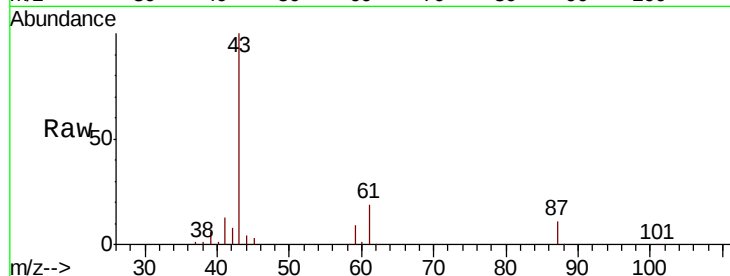
Tot Ion: 43 Resp: 179630

Ion Ratio Lower Upper

43 100

61 18.6 15.0 22.4

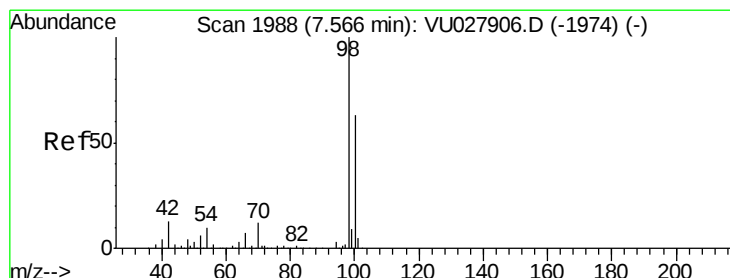
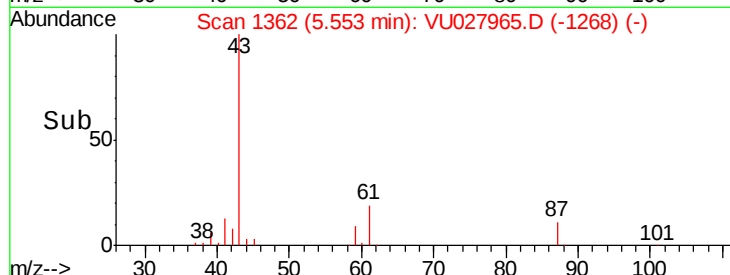
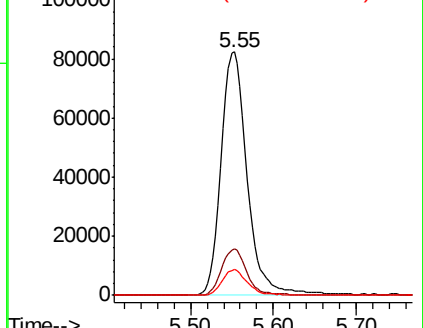
87 10.4 8.6 12.8



Abundance Ion 43.00 (42.70 to 43.70): VU027906.D (-1346) (-)

Ion 61.00 (60.70 to 61.70): VU027906.D (-1346) (-)

Ion 87.00 (86.70 to 87.70): VU027906.D (-1346) (-)



#50

Toluene-d8

Concen: 52.687 ug/l

RT: 7.57 min Scan# 1988

Delta R.T. -0.00 min

Lab File: VU027965.D

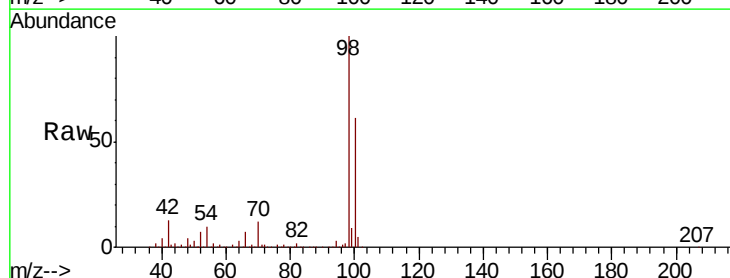
Acq: 05 Nov 2018 18:14

Tgt Ion: 98 Resp: 450739

Ion Ratio Lower Upper

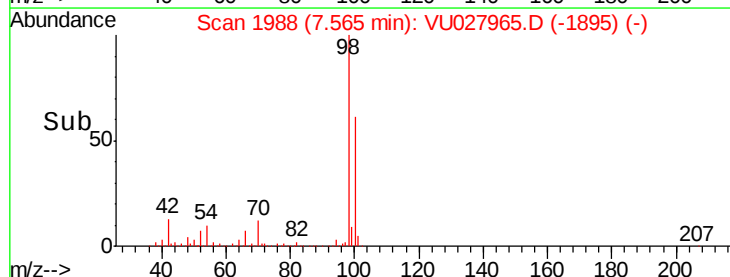
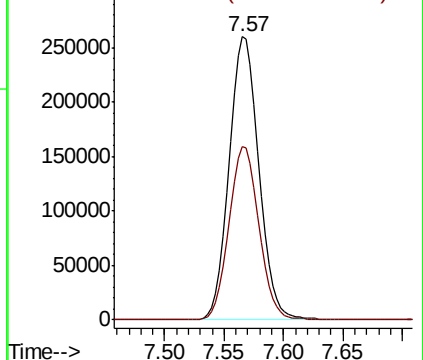
98 100

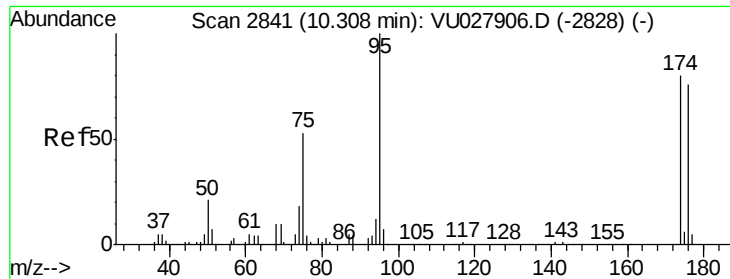
100 61.9 50.1 75.1



Abundance Ion 98.00 (97.70 to 98.70): VU027906.D (-1974) (-)

Ion 100.00 (99.70 to 100.70): VU027906.D (-1974) (-)





#62

4-Bromofluorobenzene

Concen: 48.806 ug/l

RT: 10.31 min Scan# 2841

Delta R.T. -0.00 min

Lab File: VU027965.D

Acq: 05 Nov 2018 18:14

Instrument :

MSVOA_U

ClientSampleId :

OILY-GRAVEL

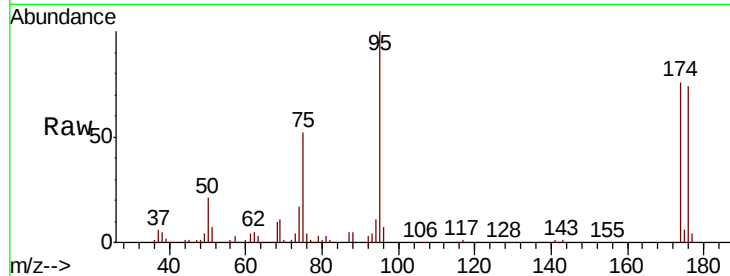
Tot Ion: 95 Resp: 154004

Ion Ratio Lower Upper

95 100

174 76.4 0.0 156.4

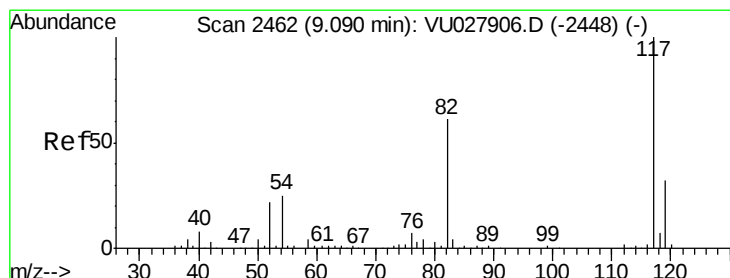
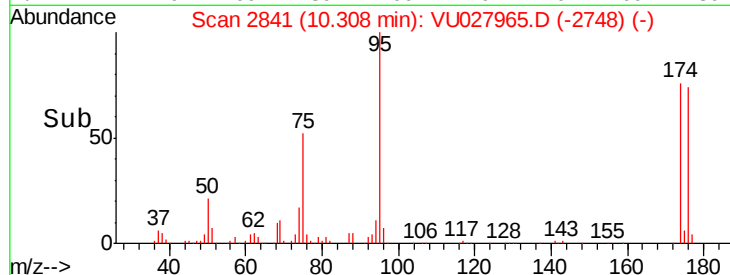
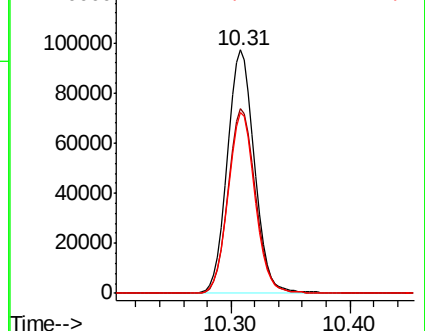
176 74.0 0.0 150.8



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



#63

Chlorobenzene-d5

Concen: 50.000 ug/l

RT: 9.09 min Scan# 2462

Delta R.T. -0.00 min

Lab File: VU027965.D

Acq: 05 Nov 2018 18:14

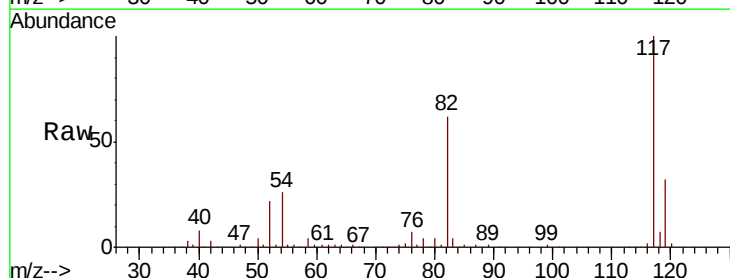
Tgt Ion: 117 Resp: 315184

Ion Ratio Lower Upper

117 100

82 62.0 48.6 73.0

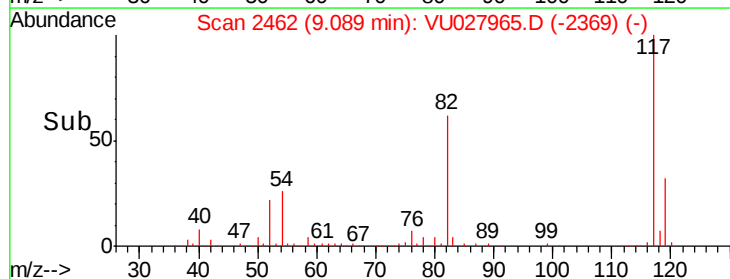
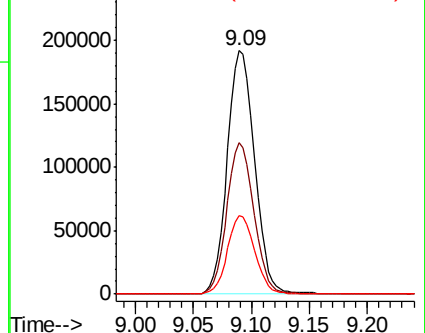
119 32.4 25.8 38.8

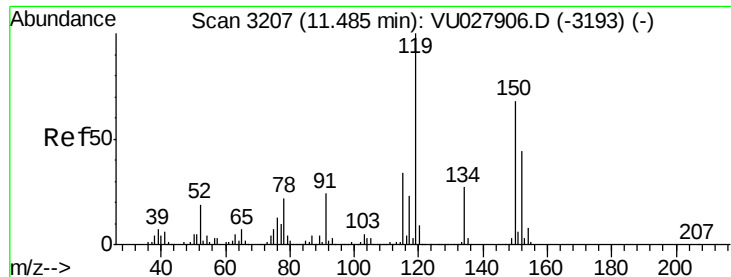


Abundance Ion 116.90 (116.60 to 117.60): V

Ion 82.00 (81.70 to 82.70): VU0

Ion 118.90 (118.60 to 119.60): V





#72

1,4-Dichlorobenzene-d4

Concen: 50.000 ug/l

RT: 11.48 min Scan# 3207

Delta R.T. -0.00 min

Lab File: VU027965.D

Acq: 05 Nov 2018 18:14

Instrument :

MSVOA_U

ClientSampleId :

OILY-GRAVEL

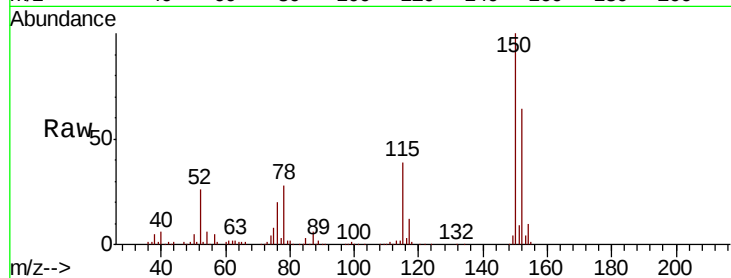
Tot Ion:152 Resp: 134193

Ion Ratio Lower Upper

152 100

115 60.0 43.0 129.0

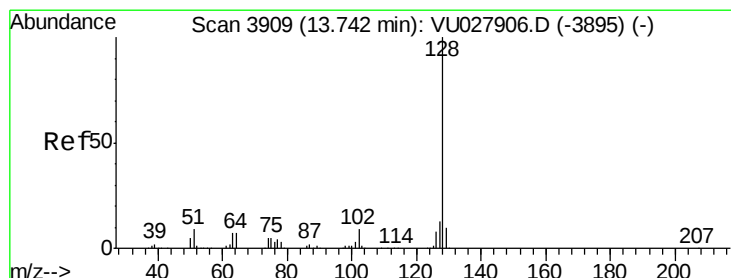
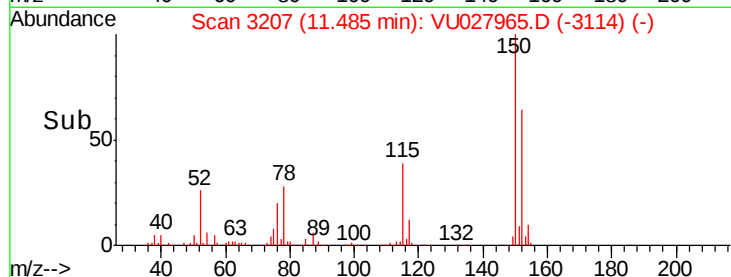
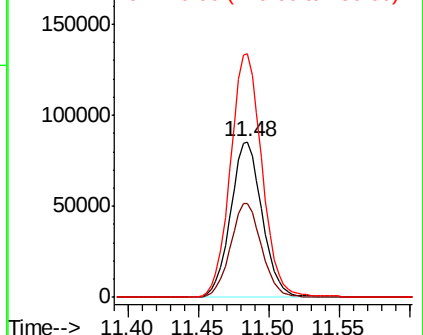
150 157.0 0.0 349.4



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



#95

Naphthalene

Concen: 1.617 ug/l

RT: 13.75 min Scan# 3910

Delta R.T. 0.00 min

Lab File: VU027965.D

Acq: 05 Nov 2018 18:14

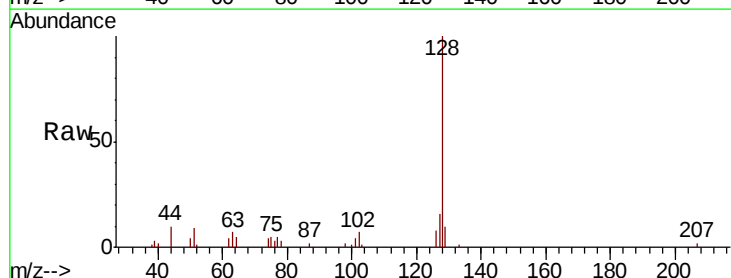
Tgt Ion:128 Resp: 19736

Ion Ratio Lower Upper

128 100

127 14.2 10.4 15.6

129 10.1 8.3 12.5



Abundance Ion 128.00 (127.70 to 128.70): V

Ion 127.00 (126.70 to 127.70): V

Ion 129.00 (128.70 to 129.70): V

