

Data Path : Z:\VOASRV\HPCHEM1\MSVOA_U\DATA\VU100618\
 Data File : VU027466.D
 Acq On : 05 Oct 2018 20:20
 Operator : MD/SY
 Sample : J5237-10
 Misc : 5.0mL/MSVOA_U/WATER
 ALS Vial : 30 Sample Multiplier: 1

Instrument :
 MSVOA_U
 ClientSampleId :
 FBSOIL

Quant Time: Oct 06 00:30:35 2018
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_U\METHOD\82U100118W.M
 Quant Title : SW846 8260
 QLast Update : Tue Oct 02 02:04:34 2018
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	4.99	168	109784	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	5.89	114	184179	50.00	ug/l	0.00
63) Chlorobenzene-d5	9.09	117	178125	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	11.48	152	97028	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	102981	56.18	ug/l	0.00
Spiked Amount 50.000			Recovery	=	112.36%	
35) Dibromofluoromethane	4.89	113	73474	58.21	ug/l	0.00
Spiked Amount 50.000			Recovery	=	116.42%	
50) Toluene-d8	7.57	98	279983	59.27	ug/l	0.00
Spiked Amount 50.000			Recovery	=	118.54%	
62) 4-Bromofluorobenzene	10.31	95	104688	59.63	ug/l	0.00
Spiked Amount 50.000			Recovery	=	119.26%	

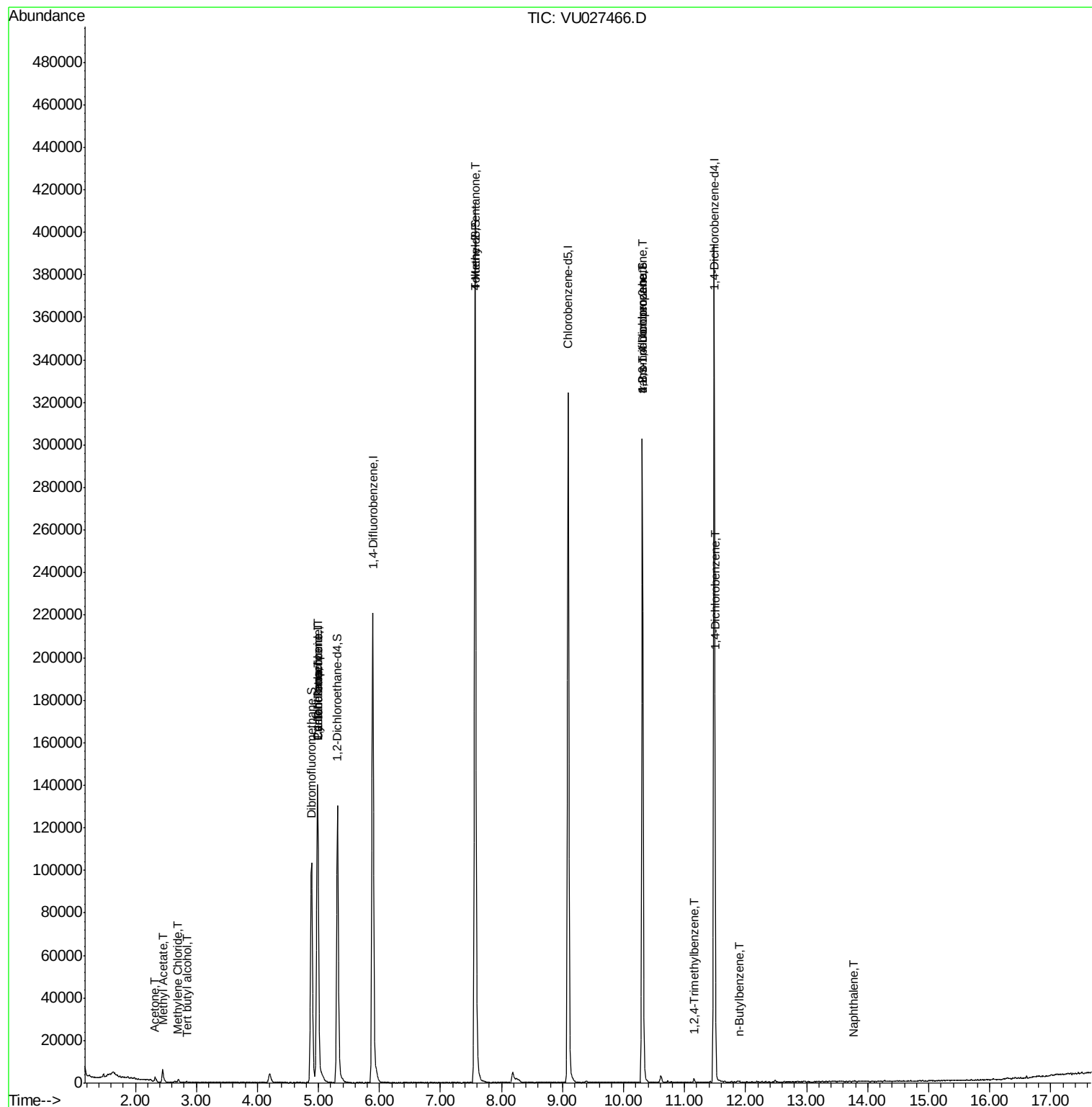
Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
11) Tert butyl alcohol	2.84	59	231	0.598	ug/l #	72
16) Acetone	2.32	43	2445	2.258	ug/l	93
18) Methyl Acetate	2.45	43	1546	0.626	ug/l #	56
20) Methylene Chloride	2.70	84	660	0.438	ug/l #	84
31) Cyclohexane	4.98	56	2524	0.624	ug/l #	1
36) 1,1-Dichloropropene	4.98	75	9414	4.708	ug/l #	50
38) Carbon Tetrachloride	4.99	117	10479	5.801	ug/l #	17
51) 4-Methyl-2-Pentanone	7.57	43	1338	0.513	ug/l #	1
76) 1,2,3-Trichloropropane	10.31	75	54465	21.654	ug/l #	37
81) trans-1,4-Dichloro-2-buten	10.31	75	54465	56.672	ug/l #	100
84) 1,2,4-Trimethylbenzene	11.15	105	1254	0.214	ug/l	99
88) 1,4-Dichlorobenzene	11.51	146	738	0.233	ug/l #	58
89) n-Butylbenzene	11.90	91	188	1.978	ug/l #	33
95) Naphthalene	13.76	128	101	1.673	ug/l #	69

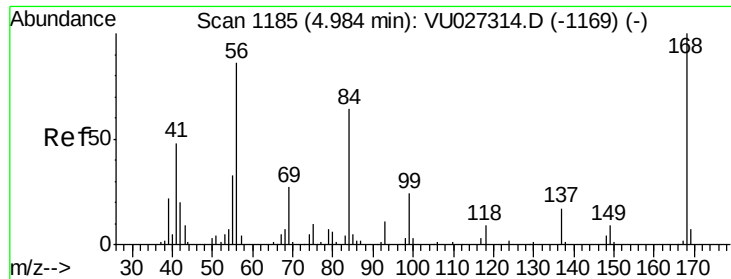
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Data Path : Z:\V0ASRV\HPCHEM1\MSVOA_U\DATA\VU100618\
Data File : VU027466.D
Acq On : 05 Oct 2018 20:20
Operator : MD/SY
Sample : J5237-10
Misc : 5.0mL/MSVOA_U/WATER
ALS Vial : 30 Sample Multiplier: 1

Instrument :
MSVOA_U
ClientSampleId :
FBSOIL

Quant Time: Oct 06 00:30:35 2018
Quant Method : Z:\V0ASRV\HPCHEM1\MSVOA_U\METHOD\82U100118W.M
Quant Title : SW846 8260
QLast Update : Tue Oct 02 02:04:34 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: VU027466.D

Acq: 05 Oct 2018 20:20

Instrument :

MSVOA_U

ClientSampleId :

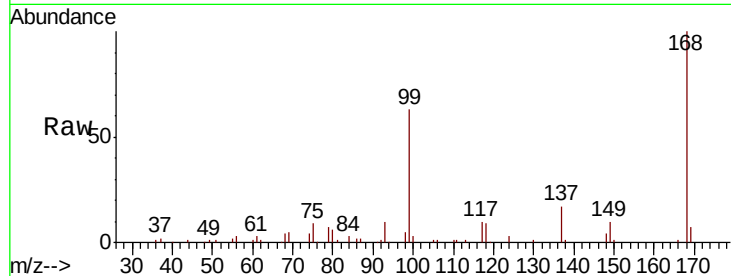
FBSOIL

Tgt Ion:168 Resp: 109784

Ion Ratio Lower Upper

168 100

99 63.0 50.8 76.2



Abundance Ion 167.90 (167.60 to 168.60): VU027314.D (-1169) (-)

Ion 98.90 (98.60 to 99.60): VU027314.D (-1169) (-)

4.99

50000

40000

30000

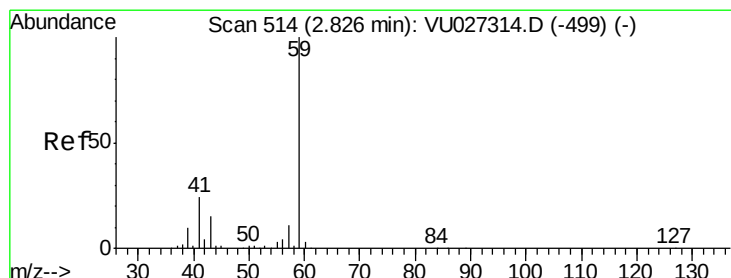
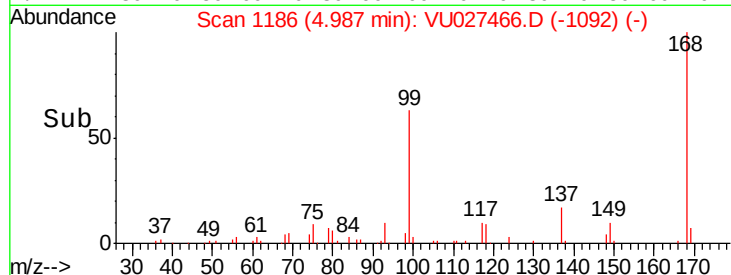
20000

10000

0

Time-->

4.90 5.00 5.10 5.20



#11

Tert butyl alcohol

Concen: 0.598 ug/l

RT: 2.84 min Scan# 519

Delta R.T. 0.02 min

Lab File: VU027466.D

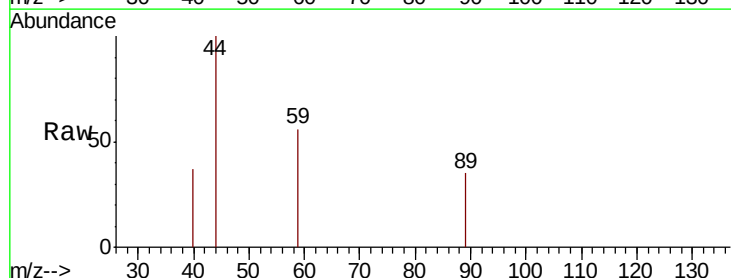
Acq: 05 Oct 2018 20:20

Tgt Ion: 59 Resp: 231

Ion Ratio Lower Upper

59 100

57 0.0 8.4 12.6#



Abundance Ion 59.00 (58.70 to 59.70): VU027314.D (-499) (-)

Ion 57.00 (56.70 to 57.70): VU027314.D (-499) (-)

2.84

200

150

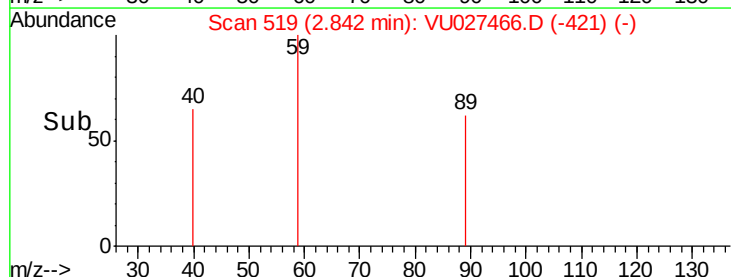
100

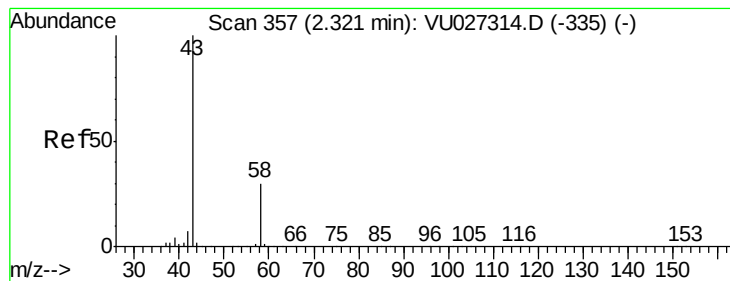
50

0

Time-->

2.82 2.84 2.86





#16

Acetone

Concen: 2.258 ug/l

RT: 2.32 min Scan# 358

Delta R.T. 0.00 min

Lab File: VU027466.D

Acq: 05 Oct 2018 20:20

Instrument :

MSVOA_U

ClientSampleId :

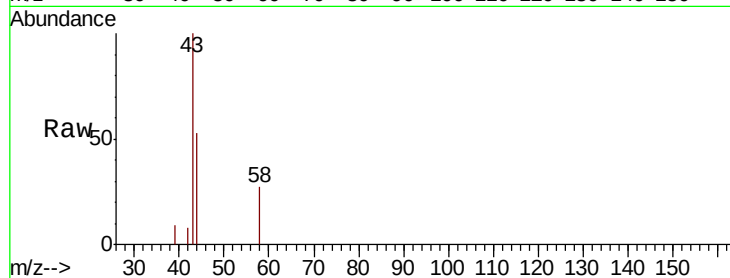
FBSOIL

Tgt Ion: 43 Resp: 2445

Ion Ratio Lower Upper

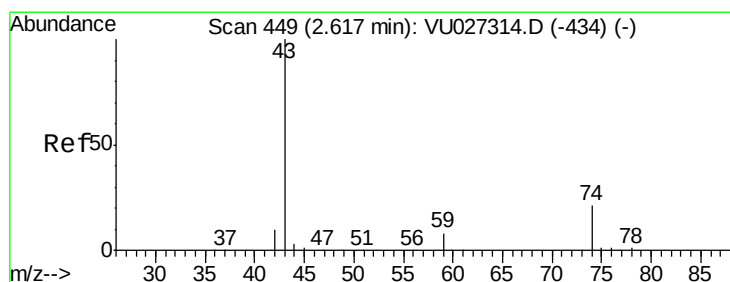
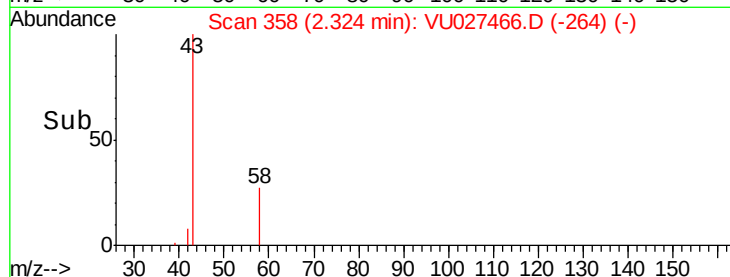
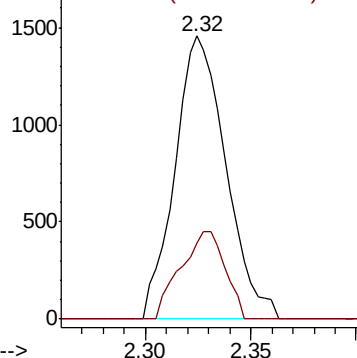
43 100

58 26.7 24.2 36.4



Abundance Ion 43.00 (42.70 to 43.70): VU0

Ion 58.00 (57.70 to 58.70): VU0



#18

Methyl Acetate

Concen: 0.626 ug/l

RT: 2.45 min Scan# 397

Delta R.T. -0.17 min

Lab File: VU027466.D

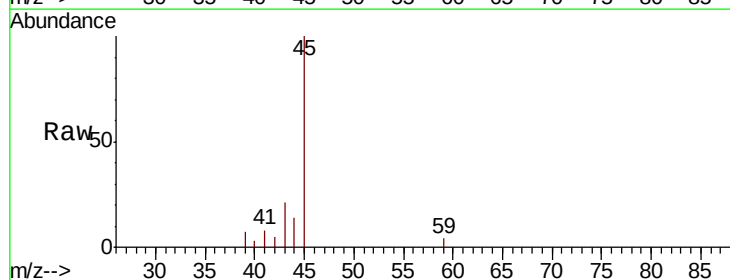
Acq: 05 Oct 2018 20:20

Tgt Ion: 43 Resp: 1546

Ion Ratio Lower Upper

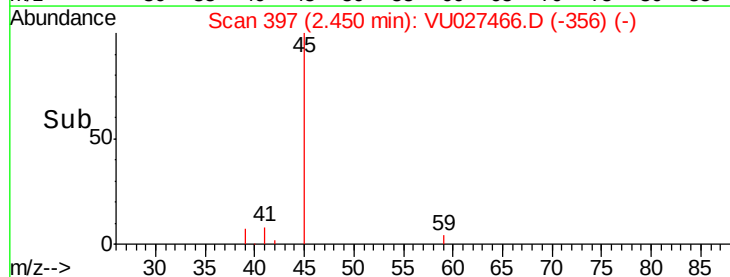
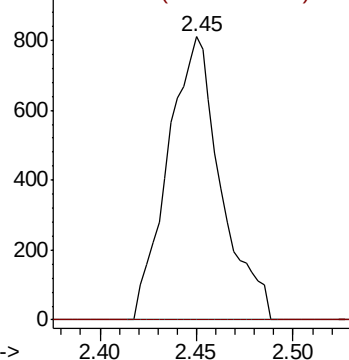
43 100

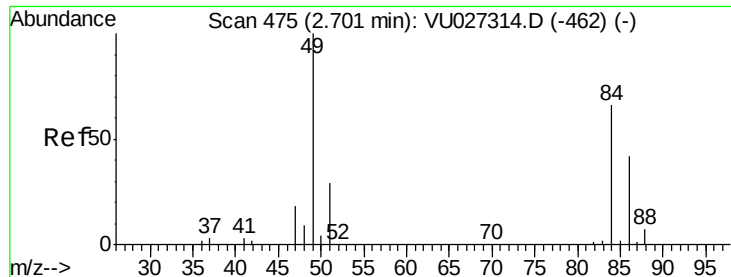
74 0.0 16.5 24.7#



Abundance Ion 43.00 (42.70 to 43.70): VU0

Ion 74.00 (73.70 to 74.70): VU0

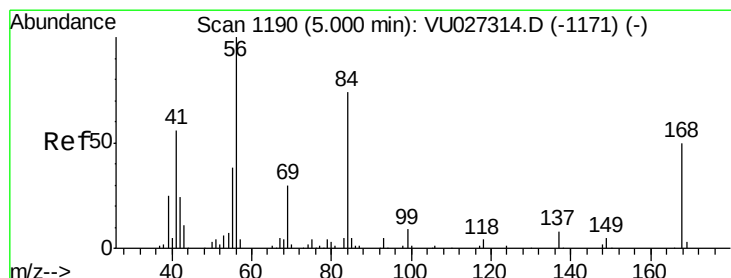
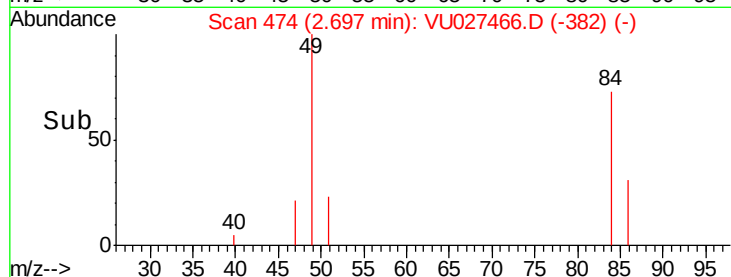
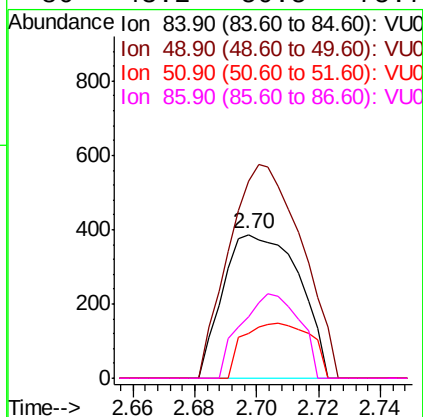
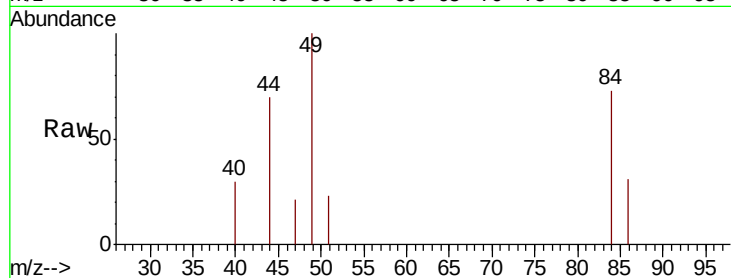




#20
Methylene Chloride
Concen: 0.438 ug/l
RT: 2.70 min Scan# 474
Delta R.T. -0.00 min
Lab File: VU027466.D
Acq: 05 Oct 2018 20:20

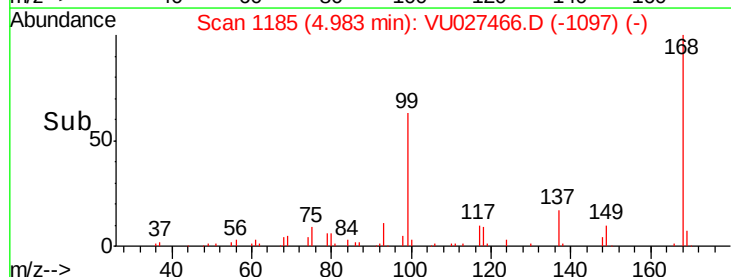
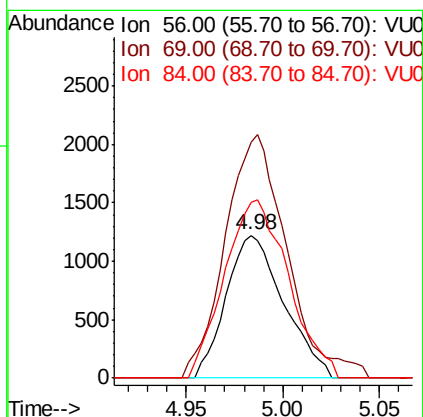
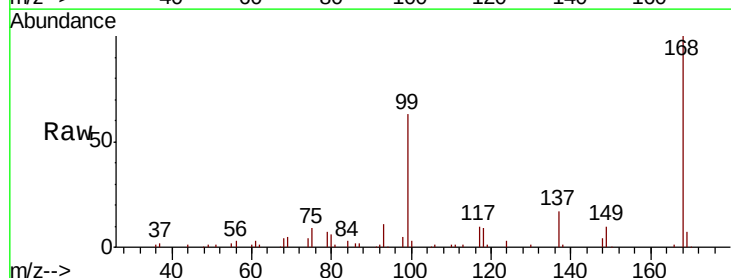
Instrument :
MSVOA_U
ClientSampleId :
FBSOIL

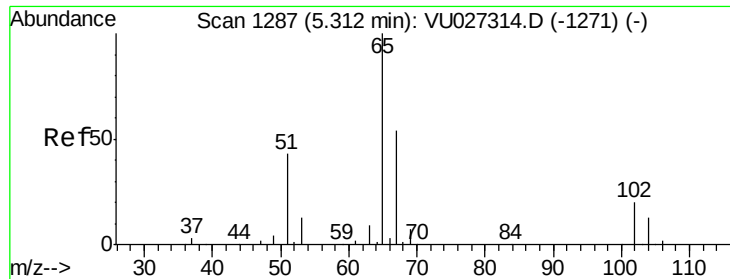
Tgt Ion: 84 Resp: 660
Ion Ratio Lower Upper
84 100
49 137.2 120.5 180.7
51 31.5 35.1 52.7#
86 43.2 50.5 75.7#



#31
Cyclohexane
Concen: 0.624 ug/l
RT: 4.98 min Scan# 1185
Delta R.T. -0.02 min
Lab File: VU027466.D
Acq: 05 Oct 2018 20:20

Tgt Ion: 56 Resp: 2524
Ion Ratio Lower Upper
56 100
69 154.0 24.1 36.1#
84 122.5 59.1 88.7#

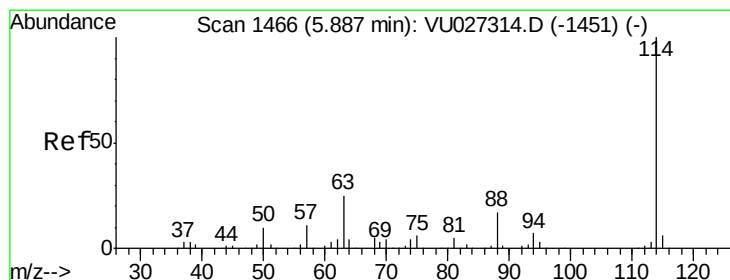
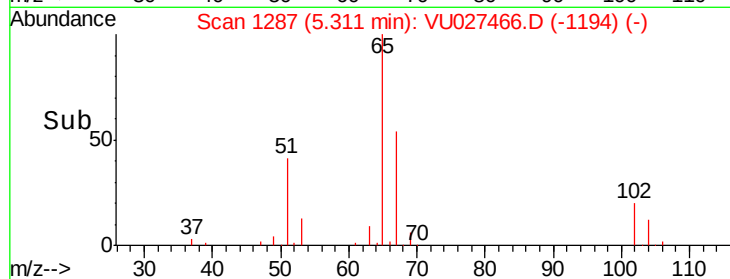
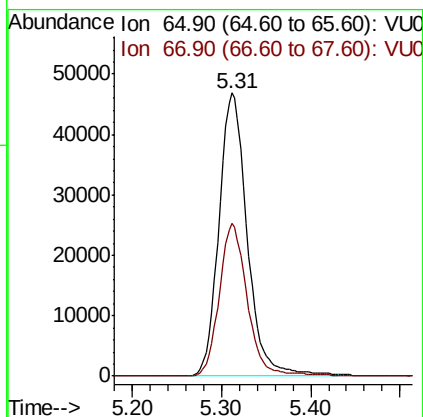
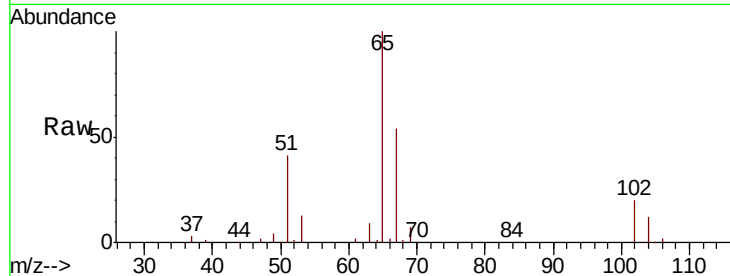




#33
 1,2-Dichloroethane-d4
 Concen: 56.176 ug/l
 RT: 5.31 min Scan# 1287
 Delta R.T. 0.00 min
 Lab File: VU027466.D
 Acq: 05 Oct 2018 20:20

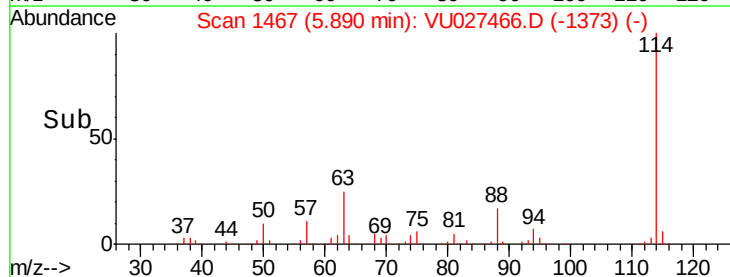
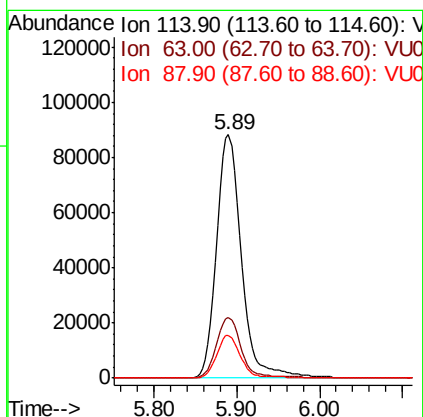
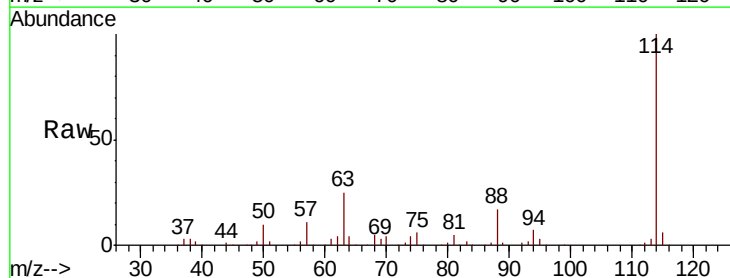
Instrument :
 MSVOA_U
 ClientSampled :
 FBSOIL

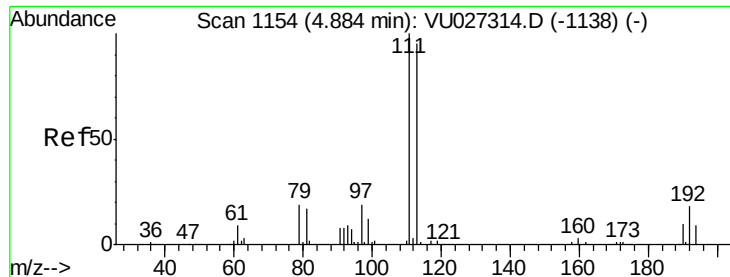
Tgt Ion: 65 Resp: 102981
 Ion Ratio Lower Upper
 65 100
 67 52.4 0.0 107.8



#34
 1,4-Difluorobenzene
 Concen: 50.000 ug/l
 RT: 5.89 min Scan# 1467
 Delta R.T. 0.00 min
 Lab File: VU027466.D
 Acq: 05 Oct 2018 20:20

Tgt Ion: 114 Resp: 184179
 Ion Ratio Lower Upper
 114 100
 63 24.7 0.0 50.2
 88 17.5 0.0 33.8

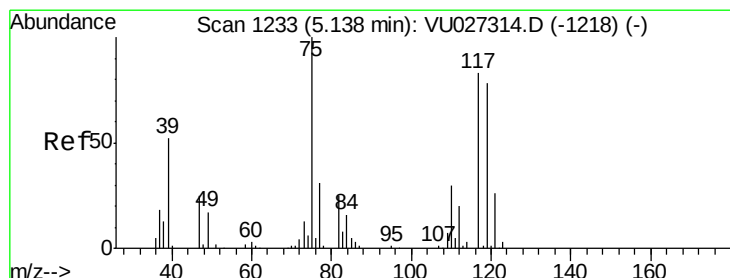
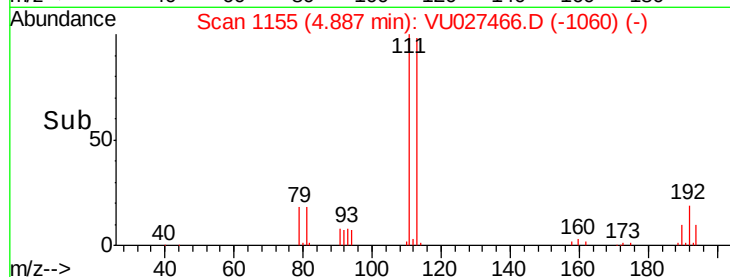
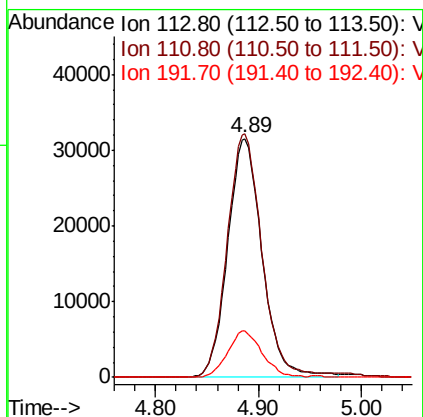
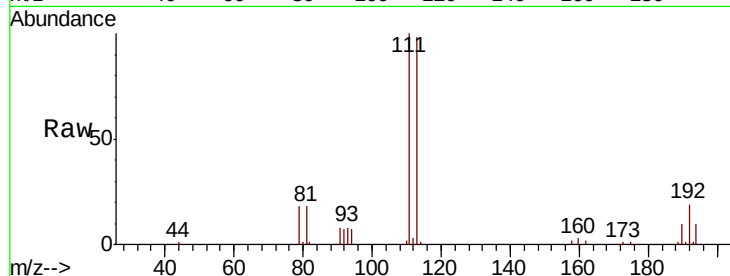




#35
 Dibromofluoromethane
 Concen: 58.209 ug/l
 RT: 4.89 min Scan# 1155
 Delta R.T. 0.00 min
 Lab File: VU027466.D
 Acq: 05 Oct 2018 20:20

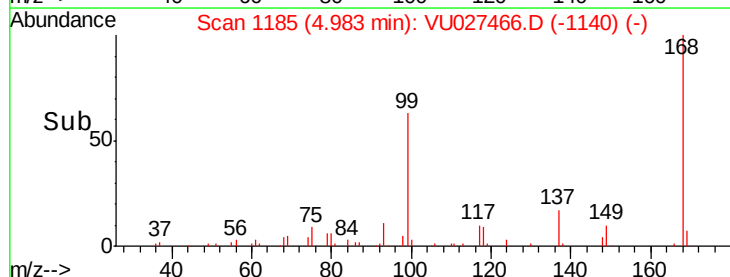
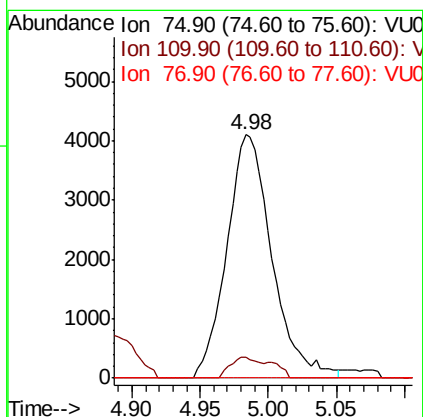
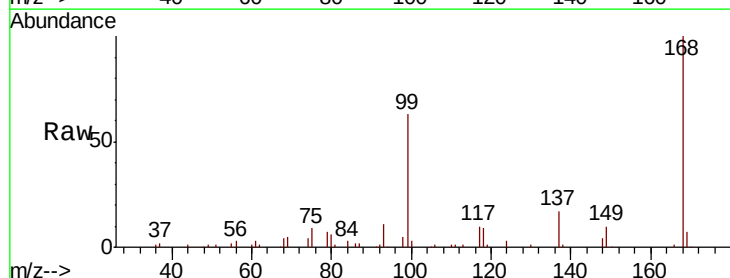
Instrument :
 MSVOA_U
 ClientSampleId :
 FBSOIL

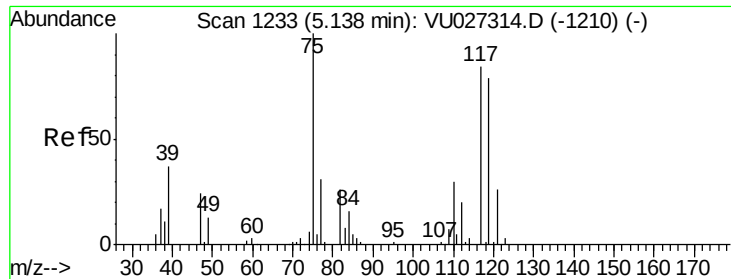
Tgt Ion:113 Resp: 73474
 Ion Ratio Lower Upper
 113 100
 111 102.6 83.1 124.7
 192 19.4 15.4 23.0



#36
 1,1-Dichloropropene
 Concen: 4.708 ug/l
 RT: 4.98 min Scan# 1185
 Delta R.T. -0.15 min
 Lab File: VU027466.D
 Acq: 05 Oct 2018 20:20

Tgt Ion: 75 Resp: 9414
 Ion Ratio Lower Upper
 75 100
 110 7.8 15.5 46.5#
 77 0.0 25.4 38.0#





#38

Carbon Tetrachloride

Concen: 5.801 ug/l

RT: 4.99 min Scan# 1186

Delta R.T. -0.15 min

Lab File: VU027466.D

Acq: 05 Oct 2018 20:20

Instrument :

MSVOA_U

ClientSampleId :

FBSOIL

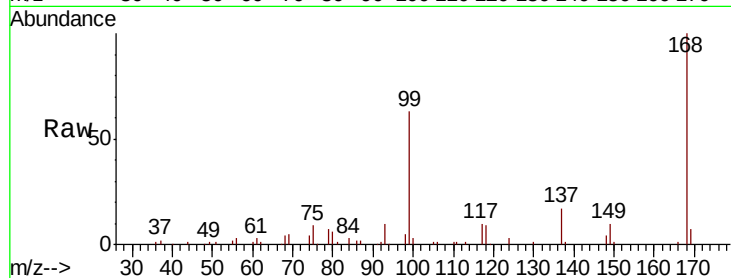
Tgt Ion:117 Resp: 10479

Ion Ratio Lower Upper

117 100

119 5.0 74.5 111.7#

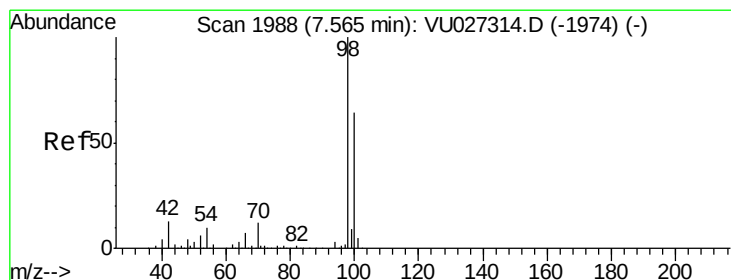
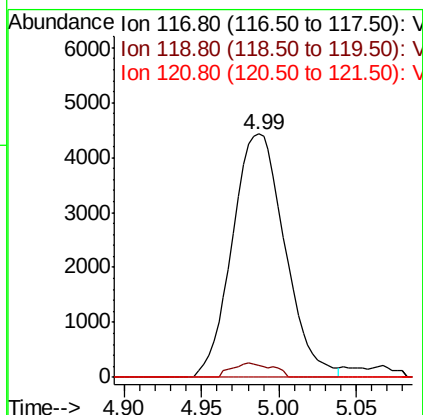
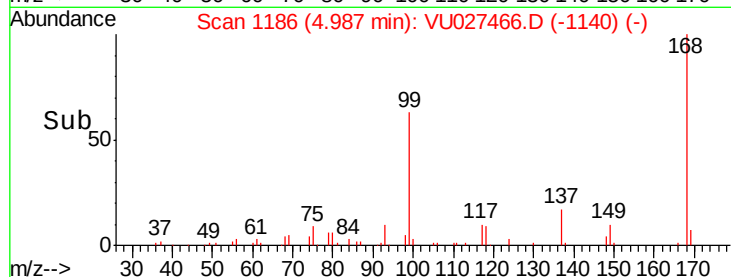
121 0.0 24.6 37.0#



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



#50

Toluene-d8

Concen: 59.266 ug/l

RT: 7.57 min Scan# 1989

Delta R.T. 0.00 min

Lab File: VU027466.D

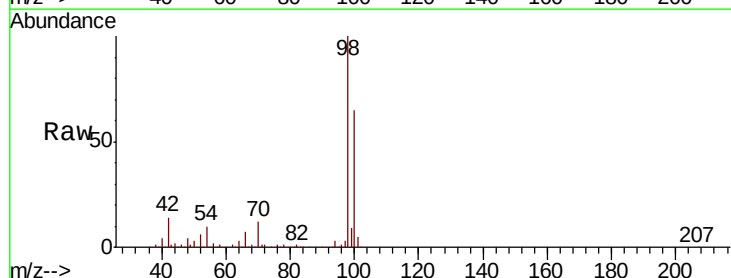
Acq: 05 Oct 2018 20:20

Tgt Ion: 98 Resp: 279983

Ion Ratio Lower Upper

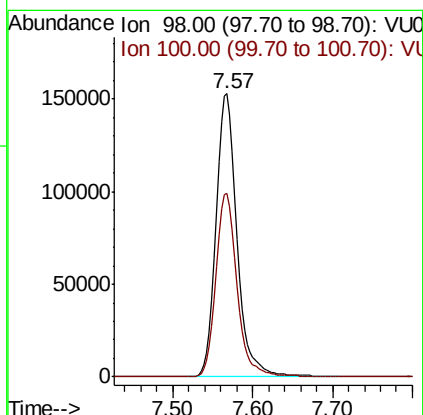
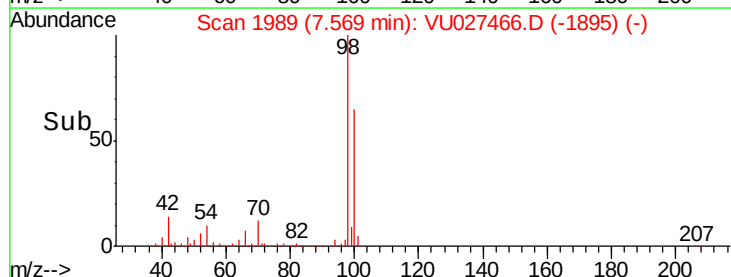
98 100

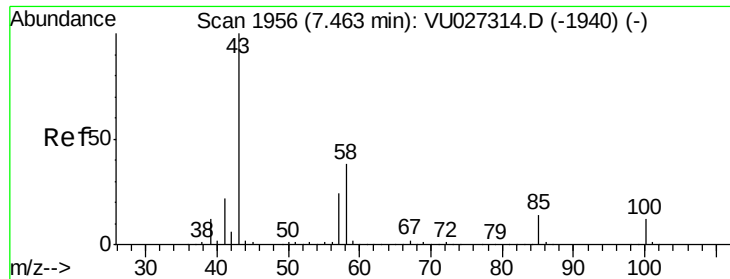
100 65.4 52.1 78.1



Abundance Ion 98.00 (97.70 to 98.70): VU0

Ion 100.00 (99.70 to 100.70): VU

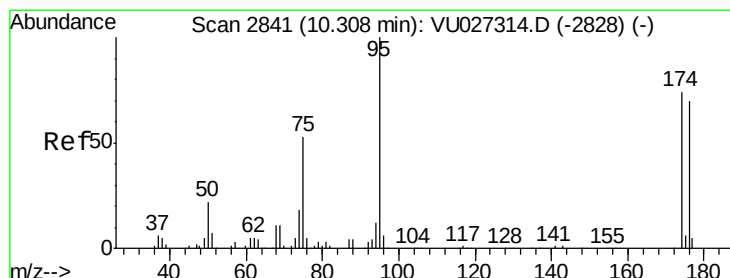
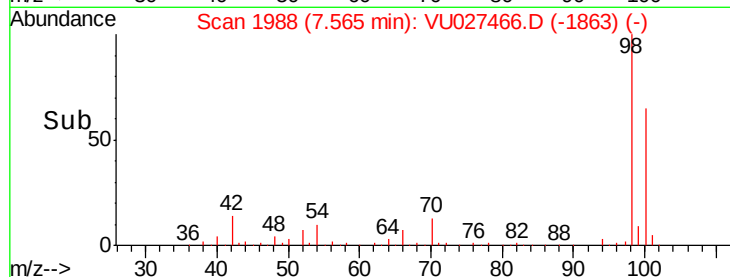
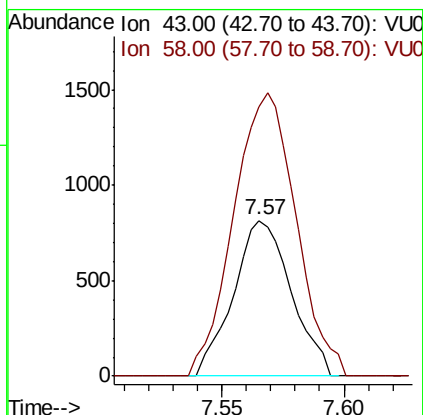
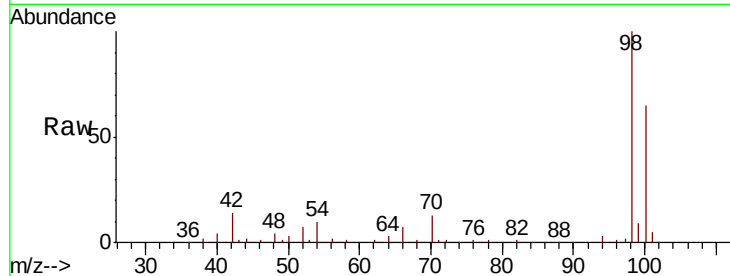




#51
 4-Methyl-2-Pentanone
 Concen: 0.513 ug/l
 RT: 7.57 min Scan# 1988
 Delta R.T. 0.10 min
 Lab File: VU027466.D
 Acq: 05 Oct 2018 20:20

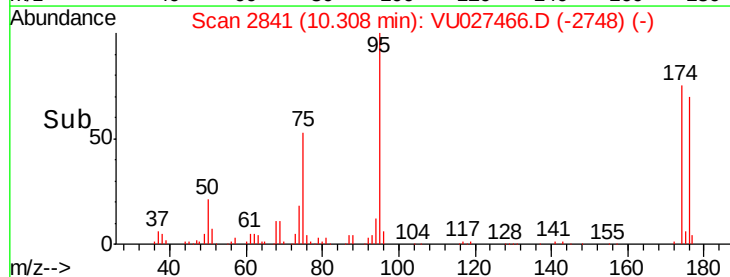
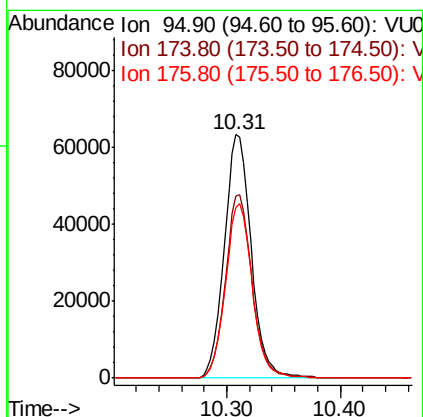
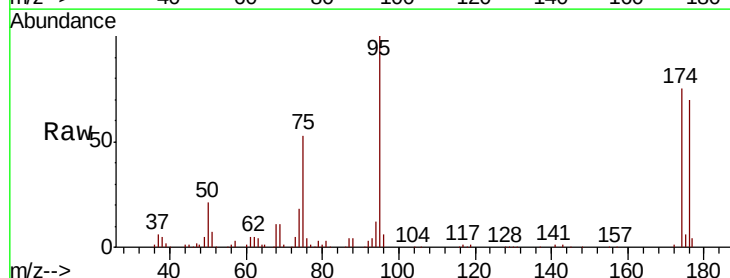
Instrument :
 MSVOA_U
 ClientSampleId :
 FBSOIL

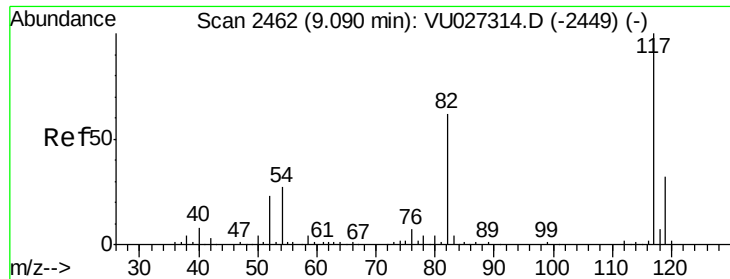
Tgt Ion: 43 Resp: 1338
 Ion Ratio Lower Upper
 43 100
 58 196.6 29.8 44.8#



#62
 4-Bromofluorobenzene
 Concen: 59.628 ug/l
 RT: 10.31 min Scan# 2841
 Delta R.T. 0.00 min
 Lab File: VU027466.D
 Acq: 05 Oct 2018 20:20

Tgt Ion: 95 Resp: 104688
 Ion Ratio Lower Upper
 95 100
 174 74.2 0.0 147.8
 176 71.4 0.0 140.8

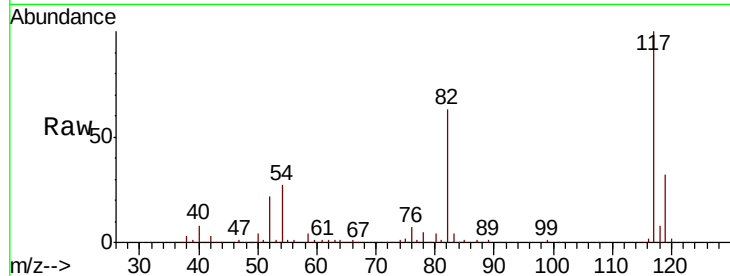




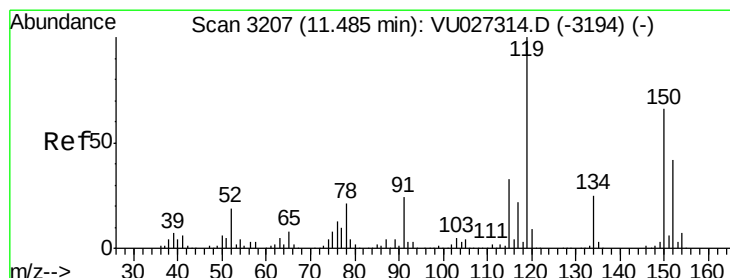
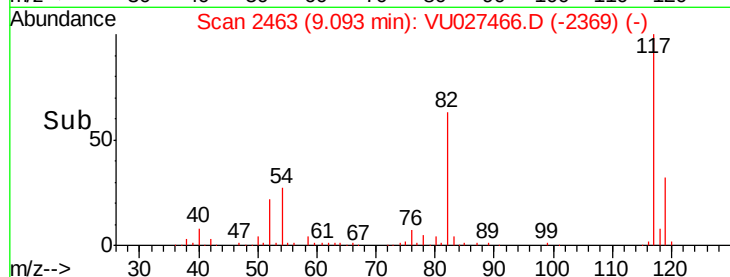
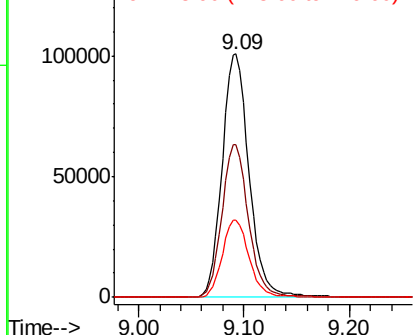
#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 9.09 min Scan# 2463
Delta R.T. 0.00 min
Lab File: VU027466.D
Acq: 05 Oct 2018 20:20

Instrument :
MSVOA_U
ClientSampleId :
FBSOIL

Tgt Ion:117 Resp: 178125
Ion Ratio Lower Upper
117 100
82 63.0 49.2 73.8
119 31.9 25.7 38.5

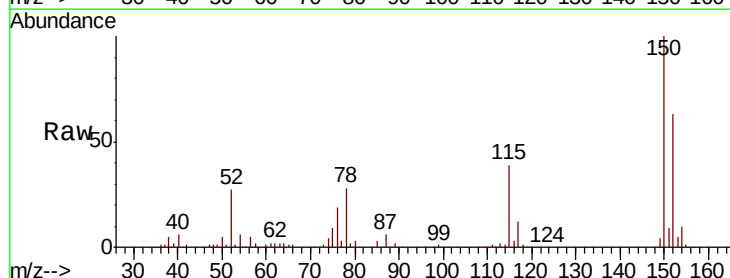


Abundance Ion 116.90 (116.60 to 117.60): V
Ion 82.00 (81.70 to 82.70): VU0
Ion 118.90 (118.60 to 119.60): V

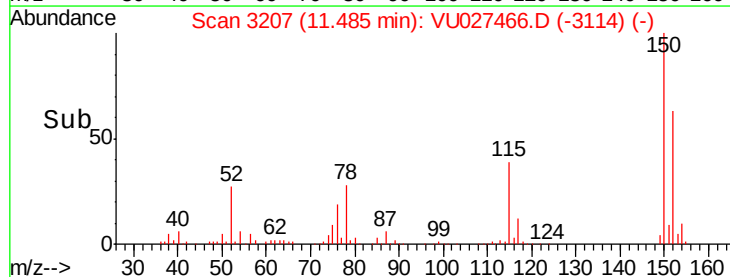
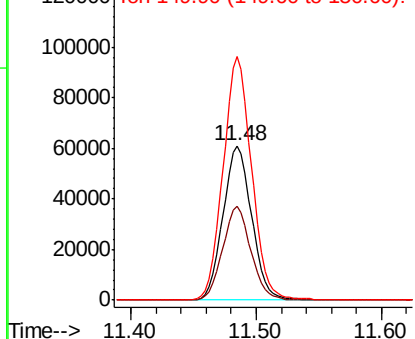


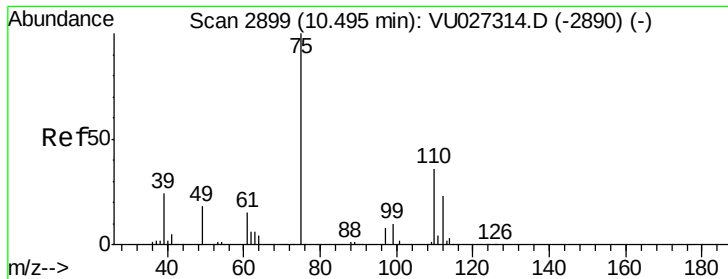
#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 11.48 min Scan# 3207
Delta R.T. -0.00 min
Lab File: VU027466.D
Acq: 05 Oct 2018 20:20

Tgt Ion:152 Resp: 97028
Ion Ratio Lower Upper
152 100
115 60.0 43.4 130.2
150 156.9 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: 21.654 ug/l

RT: 10.31 min Scan# 2841

Delta R.T. -0.19 min

Lab File: VU027466.D

Acq: 05 Oct 2018 20:20

Instrument :

MSVOA_U

ClientSampleId :

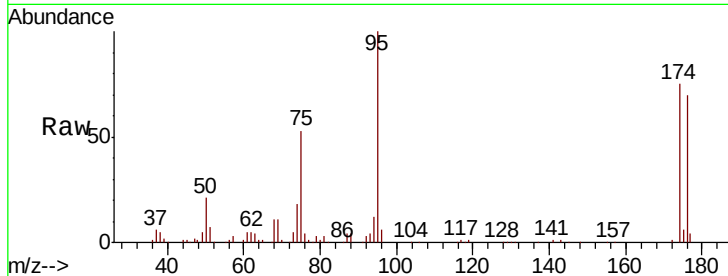
FBSOIL

Tgt Ion: 75 Resp: 54465

Ion Ratio Lower Upper

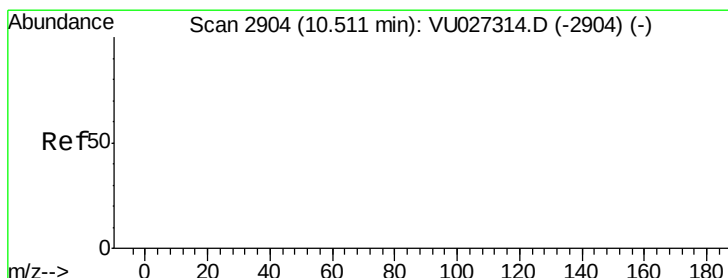
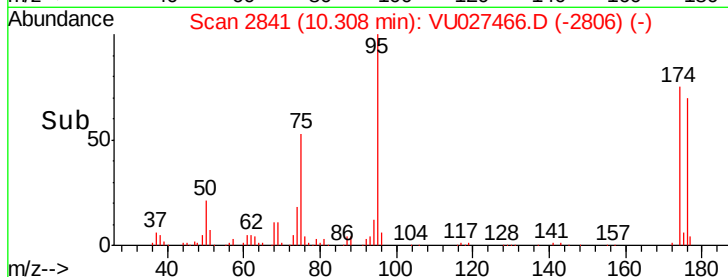
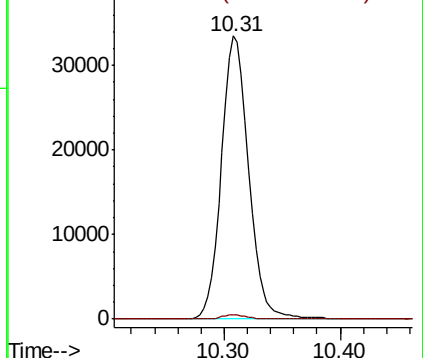
75 100

77 1.3 20.3 60.9#



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: 56.672 ug/l

RT: 10.31 min Scan# 2841

Delta R.T. -0.20 min

Lab File: VU027466.D

Acq: 05 Oct 2018 20:20

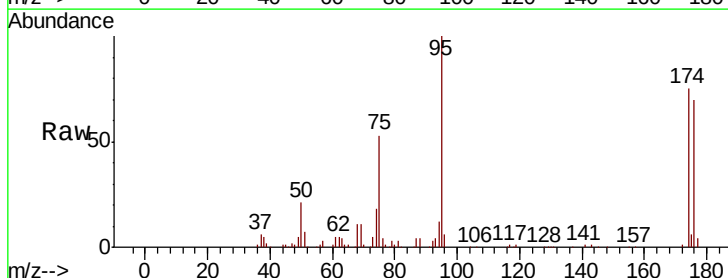
Tgt Ion: 75 Resp: 54465

Ion Ratio Lower Upper

75 100

53 0.0 0.0 0.0

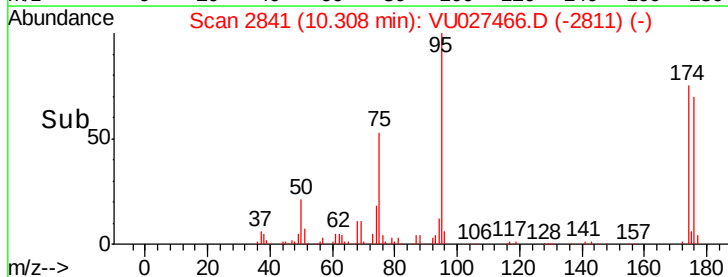
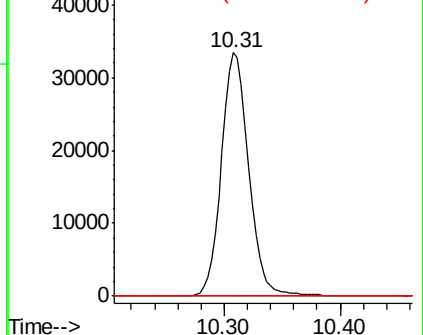
89 0.0 0.0 0.0

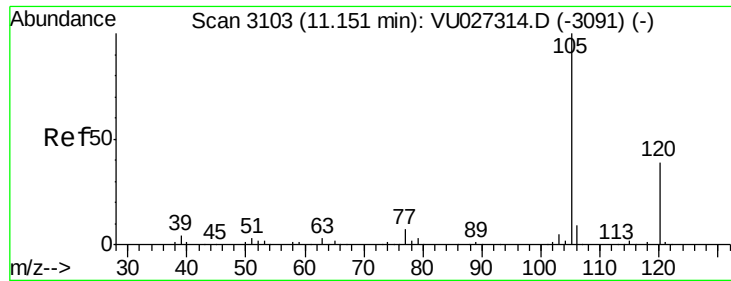


Abundance Ion 74.90 (74.60 to 75.60): VU0

Ion 53.00 (52.70 to 53.70): VU0

Ion 88.90 (88.60 to 89.60): VU0

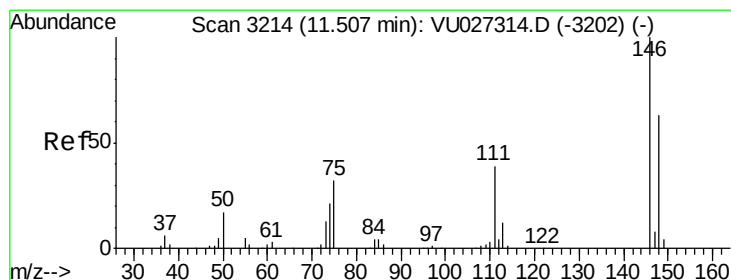
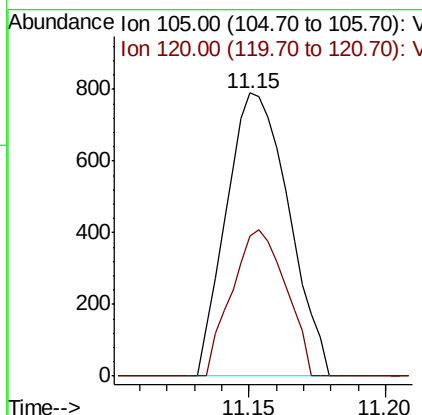
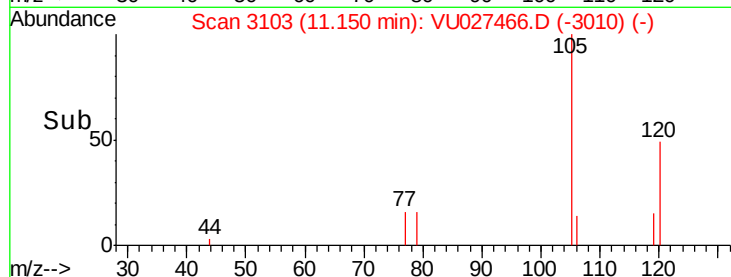
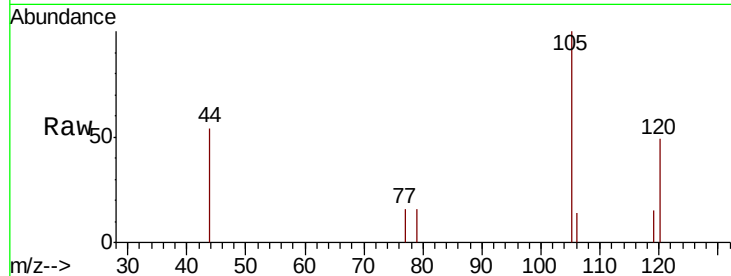




#84
 1,2,4-Trimethylbenzene
 Concen: 0.214 ug/l
 RT: 11.15 min Scan# 3103
 Delta R.T. -0.00 min
 Lab File: VU027466.D
 Acq: 05 Oct 2018 20:20

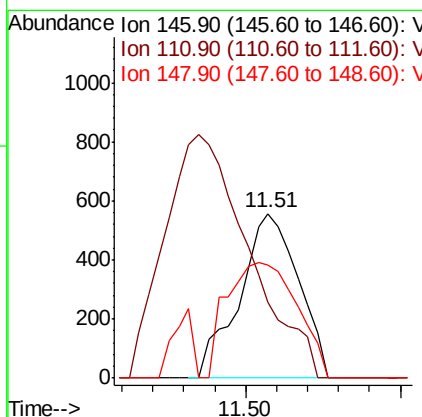
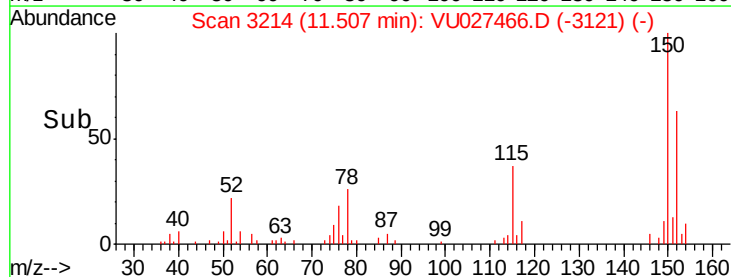
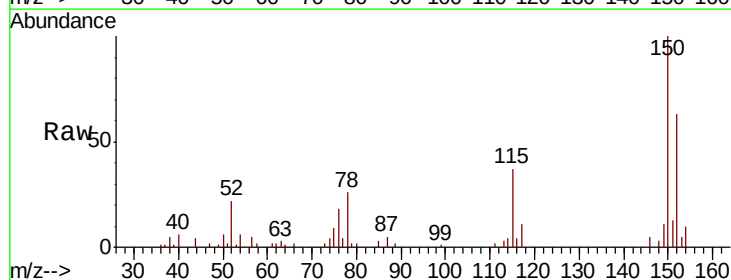
Instrument :
 MSVOA_U
 ClientSampleId :
 FBSOIL

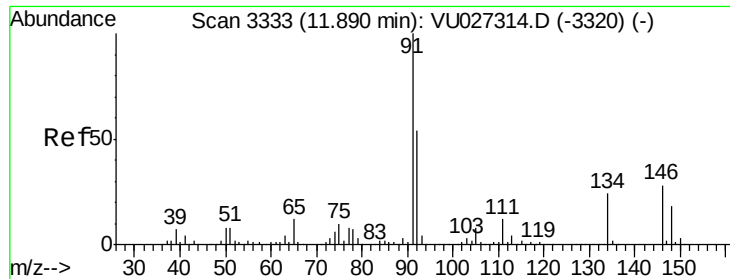
Tgt Ion:105 Resp: 1254
 Ion Ratio Lower Upper
 105 100
 120 44.7 22.1 66.5



#88
 1,4-Dichlorobenzene
 Concen: 0.233 ug/l
 RT: 11.51 min Scan# 3214
 Delta R.T. -0.00 min
 Lab File: VU027466.D
 Acq: 05 Oct 2018 20:20

Tgt Ion:146 Resp: 738
 Ion Ratio Lower Upper
 146 100
 111 0.0 20.4 61.2#
 148 84.4 31.9 95.5





#89

n-Butylbenzene

Concen: 1.978 ug/l

RT: 11.90 min Scan# 3336

Delta R.T. 0.01 min

Lab File: VU027466.D

Acq: 05 Oct 2018 20:20

Instrument :

MSVOA_U

ClientSampleId :

FBSOIL

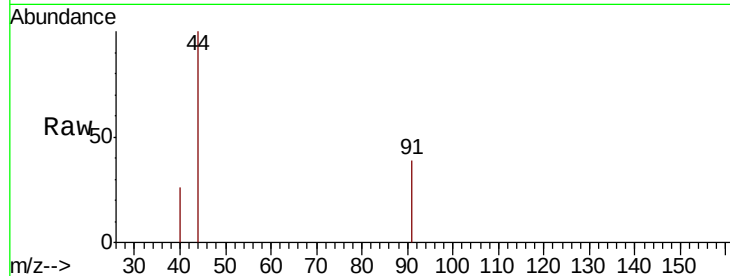
Tgt Ion: 91 Resp: 188

Ion Ratio Lower Upper

91 100

92 0.0 27.0 81.0#

134 0.0 11.7 35.1#

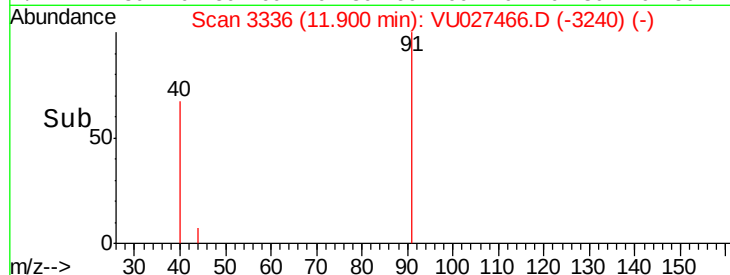


Abundance Ion 91.00 (90.70 to 91.70): VU027314.D (-3320) (-)

Ion 92.00 (91.70 to 92.70): VU027314.D (-3320) (-)

Ion 134.00 (133.70 to 134.70): VU027314.D (-3320) (-)

Time-->

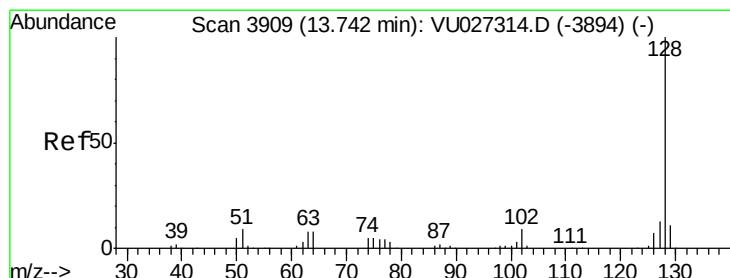


Abundance Ion 91.00 (90.70 to 91.70): VU027466.D (-3240) (-)

Ion 92.00 (91.70 to 92.70): VU027466.D (-3240) (-)

Ion 134.00 (133.70 to 134.70): VU027466.D (-3240) (-)

Time-->



#95

Naphthalene

Concen: 1.673 ug/l

RT: 13.76 min Scan# 3915

Delta R.T. 0.02 min

Lab File: VU027466.D

Acq: 05 Oct 2018 20:20

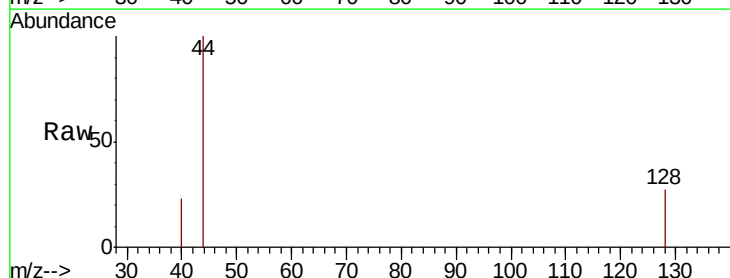
Tgt Ion: 128 Resp: 101

Ion Ratio Lower Upper

128 100

127 0.0 10.5 15.7#

129 0.0 8.6 12.8#

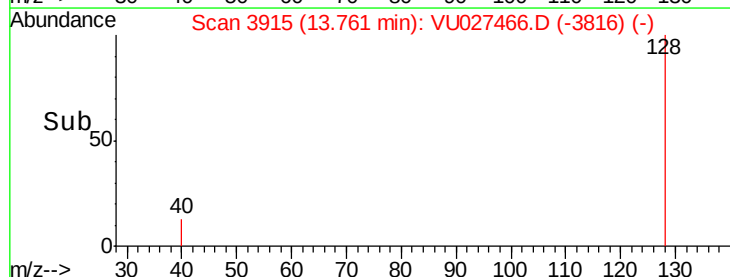


Abundance Ion 128.00 (127.70 to 128.70): VU027314.D (-3894) (-)

Ion 127.00 (126.70 to 127.70): VU027314.D (-3894) (-)

Ion 129.00 (128.70 to 129.70): VU027314.D (-3894) (-)

Time-->



Abundance Ion 128.00 (127.70 to 128.70): VU027466.D (-3816) (-)

Ion 127.00 (126.70 to 127.70): VU027466.D (-3816) (-)

Ion 129.00 (128.70 to 129.70): VU027466.D (-3816) (-)

Time-->