

Data Path : Z:\VOASRV\HPCHEM1\MSVOA_U\DATA\VU101118\
 Data File : VU027608.D
 Acq On : 11 Oct 2018 18:50
 Operator : MD/SY
 Sample : J5456-01
 Misc : 5.0mL/MSVOA_U/WATER
 ALS Vial : 28 Sample Multiplier: 1

Instrument :
 MSVOA_U
 ClientSampleId :
 MS-FRAC-TANK

Quant Time: Oct 12 04:08:20 2018
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_U\METHOD\82U101118W.M
 Quant Title : SW846 8260
 QLast Update : Thu Oct 11 10:41:56 2018
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	4.99	168	122462	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	5.89	114	219224	50.00	ug/l	0.00
63) Chlorobenzene-d5	9.09	117	182303	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	11.48	152	74246	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	98795	52.12	ug/l	0.00
Spiked Amount 50.000			Recovery =	104.24%		
35) Dibromofluoromethane	4.89	113	70890	48.88	ug/l	0.00
Spiked Amount 50.000			Recovery =	97.76%		
50) Toluene-d8	7.57	98	273978	49.61	ug/l	0.00
Spiked Amount 50.000			Recovery =	99.22%		
62) 4-Bromofluorobenzene	10.31	95	90129	45.24	ug/l	0.00
Spiked Amount 50.000			Recovery =	90.48%		

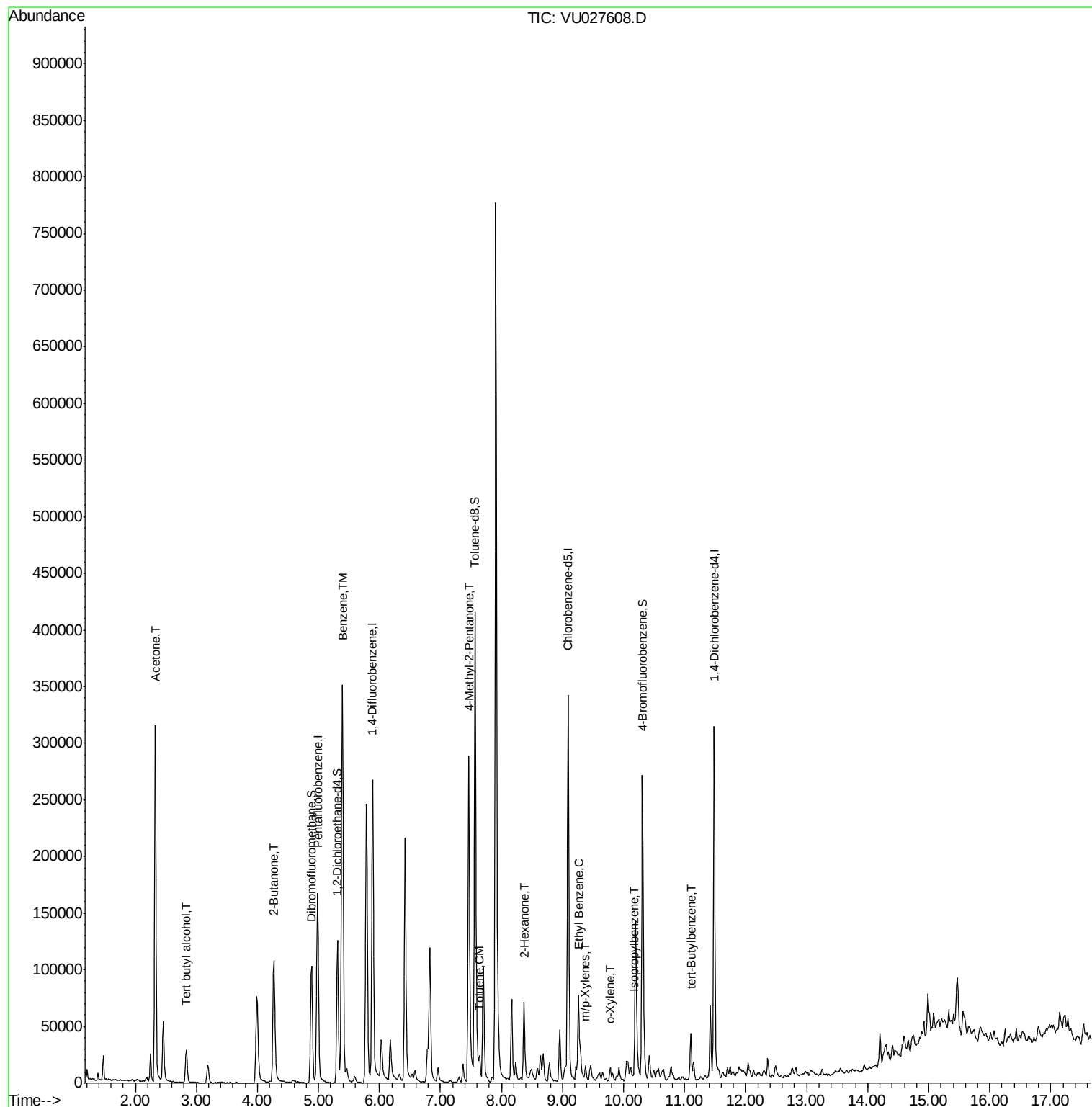
Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
11) Tert butyl alcohol	2.84	59	34792	75.30	ug/l	98
16) Acetone	2.32	43	335966	290.71	ug/l	99
25) 2-Butanone	4.27	43	180002	109.92	ug/l	98
40) Benzene	5.39	78	340795	50.61	ug/l	100
51) 4-Methyl-2-Pentanone	7.46	43	218394	70.26	ug/l	100
52) Toluene	7.64	92	6857	1.78	ug/l	97
59) 2-Hexanone	8.37	43	37078	15.29	ug/l	98
67) Ethyl Benzene	9.25	91	3314	0.51	ug/l	100
68) m/p-Xylenes	9.38	106	2704	1.14	ug/l	90
69) o-Xylene	9.78	106	2275	0.99	ug/l	99
73) Isopropylbenzene	10.17	105	3256	0.65	ug/l	96
83) tert-Butylbenzene	11.10	119	17616	4.31	ug/l	88

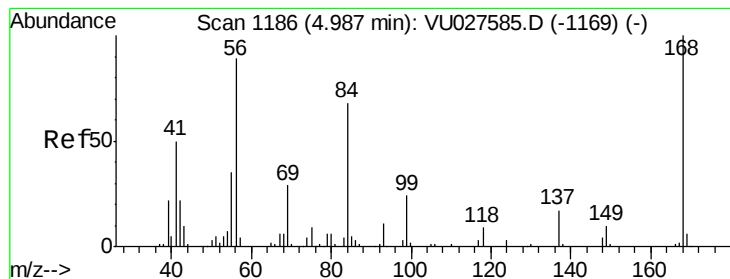
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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#1

Pentafluorobenzene

Concen: 50.00 ug/l

RT: 4.99 min Scan# 1186

Delta R.T. 0.00 min

Lab File: VU027608.D

Acq: 11 Oct 2018 18:50

Instrument :

MSVOA_U

ClientSampleId :

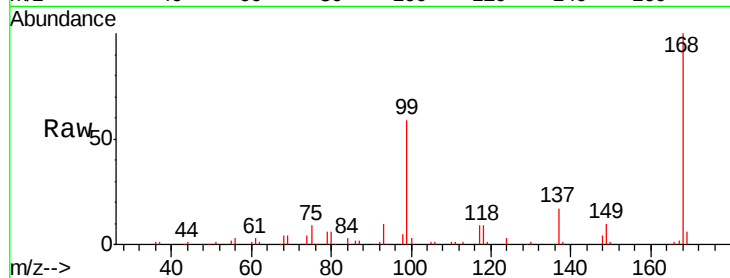
MS-FRAC-TANK

Tgt Ion: 168 Resp: 122462

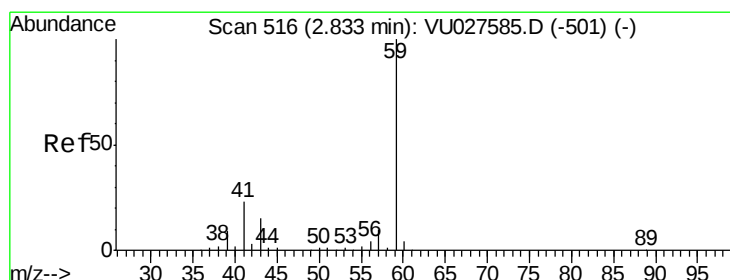
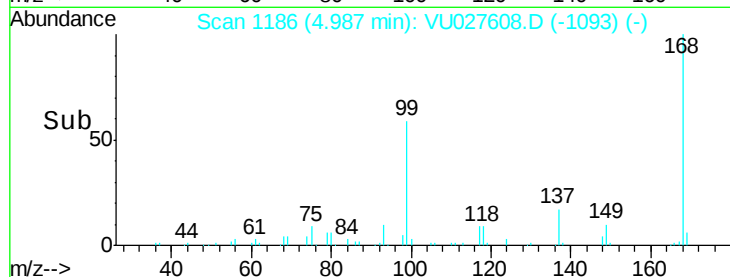
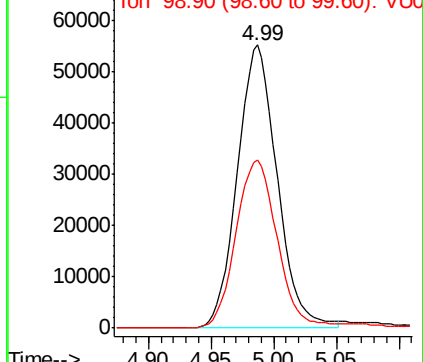
Ion Ratio Lower Upper

168 100

99 59.2 50.8 76.2



Abundance Ion 167.90 (167.60 to 168.60): VU027585.D (-1169) (-)



#11

Tert butyl alcohol

Concen: 75.30 ug/l

RT: 2.84 min Scan# 517

Delta R.T. 0.00 min

Lab File: VU027608.D

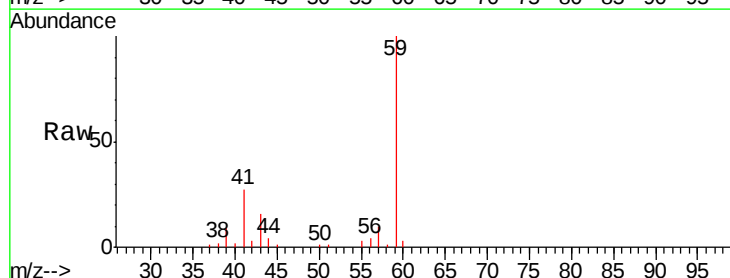
Acq: 11 Oct 2018 18:50

Tgt Ion: 59 Resp: 34792

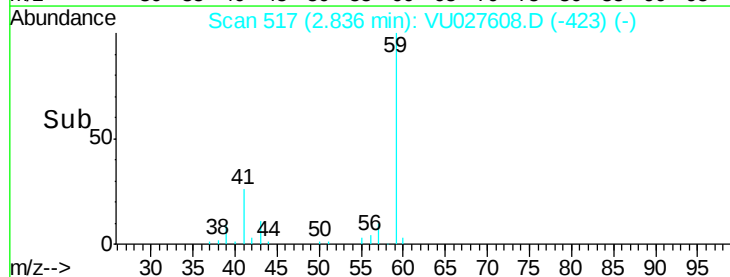
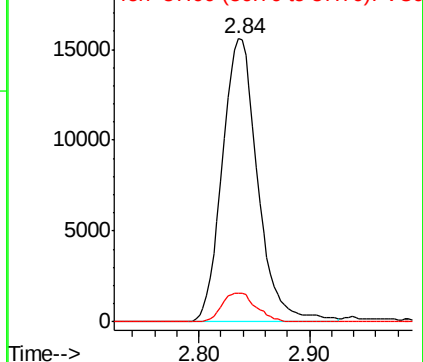
Ion Ratio Lower Upper

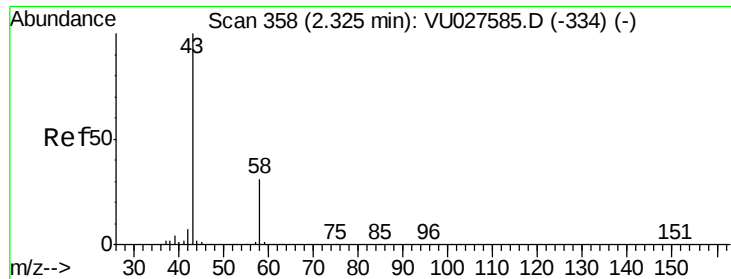
59 100

57 9.9 8.4 12.6



Abundance Ion 59.00 (58.70 to 59.70): VU027585.D (-501) (-)





#16

Acetone

Concen: 290.71 ug/l

RT: 2.32 min Scan# 358

Delta R.T. -0.00 min

Lab File: VU027608.D

Acq: 11 Oct 2018 18:50

Instrument :

MSVOA_U

ClientSampleId :

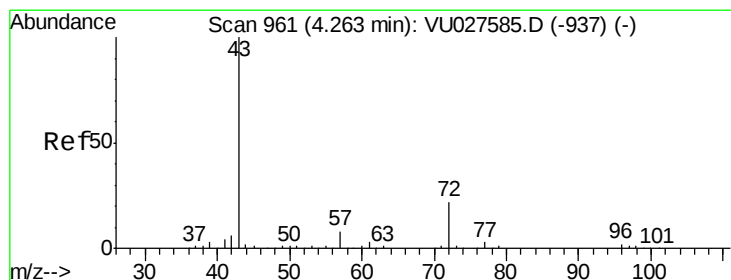
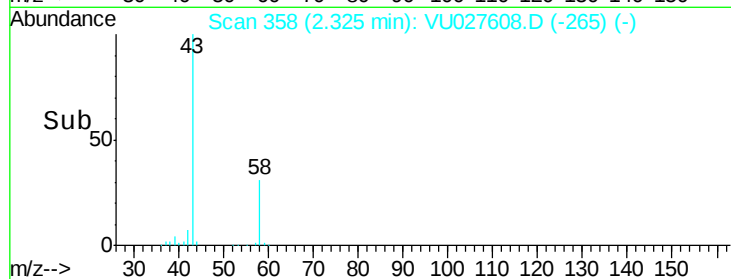
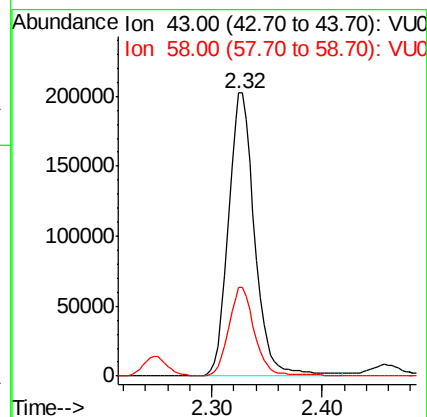
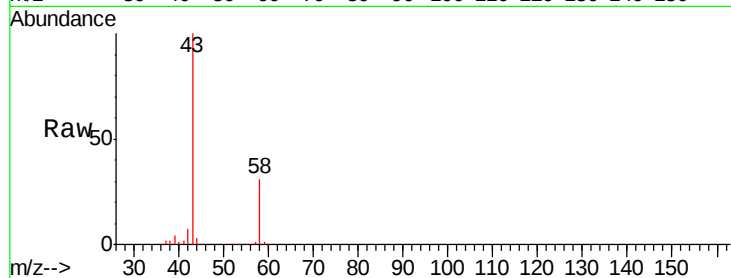
MS-FRAC-TANK

Tgt Ion: 43 Resp: 335966

Ion Ratio Lower Upper

43 100

58 31.1 24.2 36.4



#25

2-Butanone

Concen: 109.92 ug/l

RT: 4.27 min Scan# 962

Delta R.T. 0.00 min

Lab File: VU027608.D

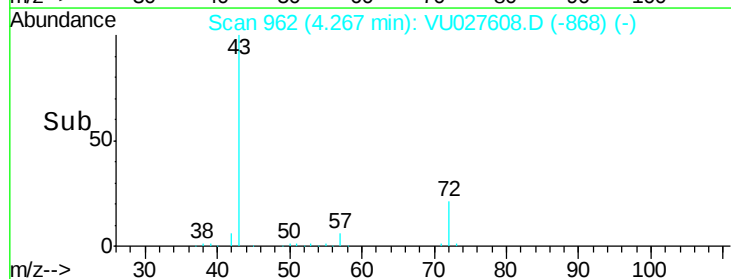
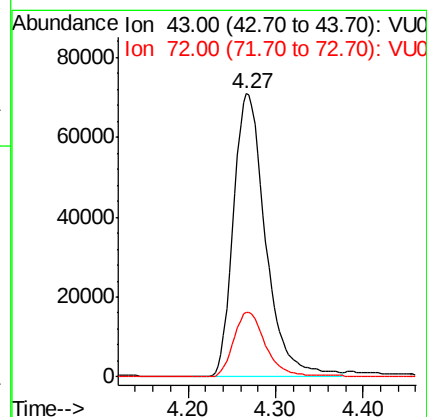
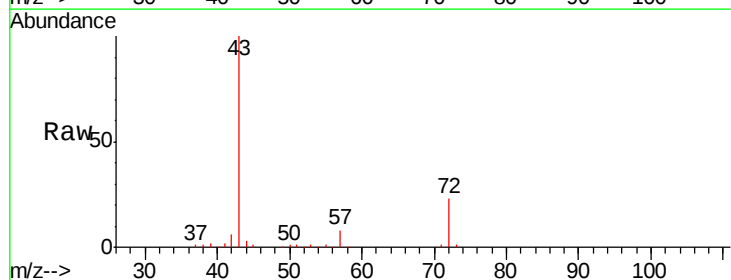
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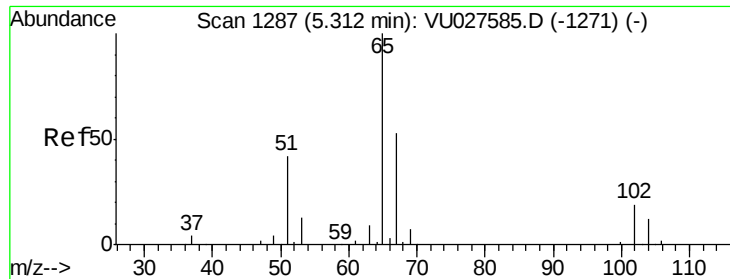
Tgt Ion: 43 Resp: 180002

Ion Ratio Lower Upper

43 100

72 23.0 17.8 26.6

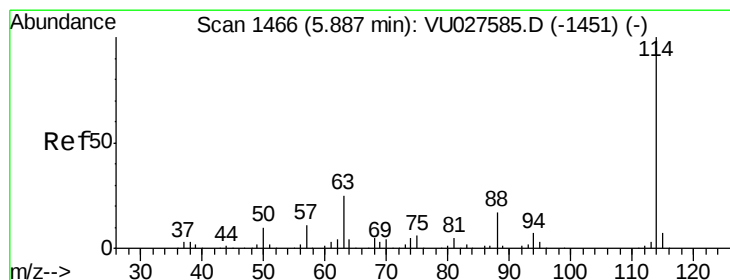
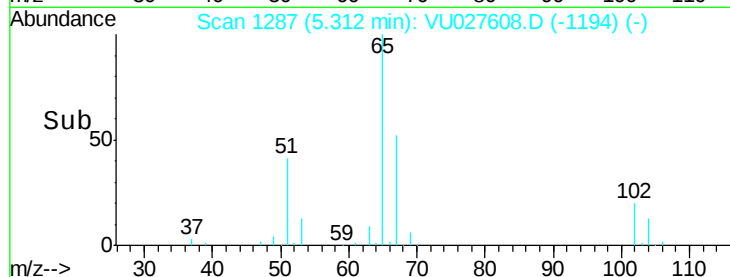
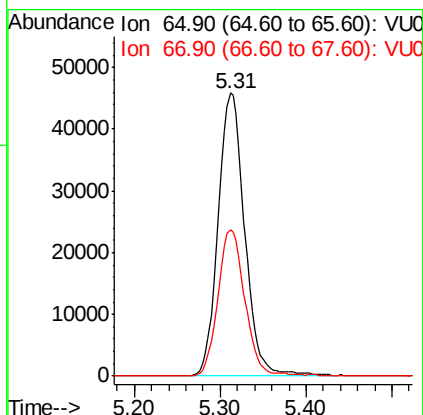
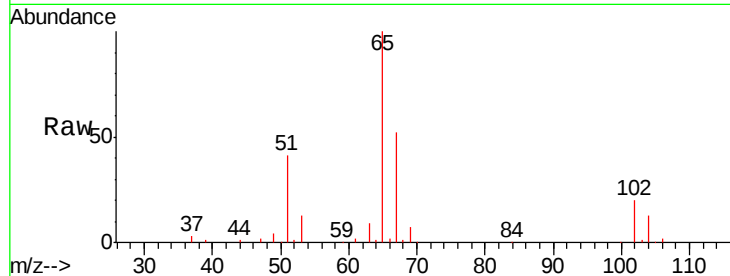




#33
 1,2-Dichloroethane-d4
 Concen: 52.12 ug/l
 RT: 5.31 min Scan# 1287
 Delta R.T. -0.00 min
 Lab File: VU027608.D
 Acq: 11 Oct 2018 18:50

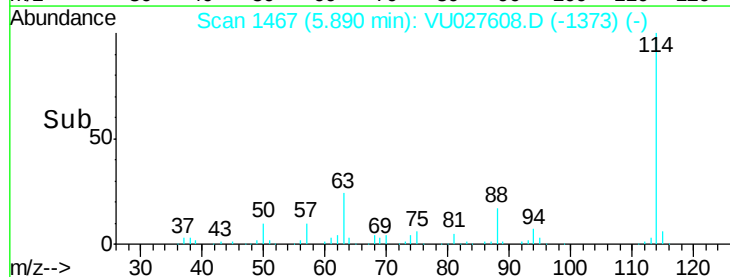
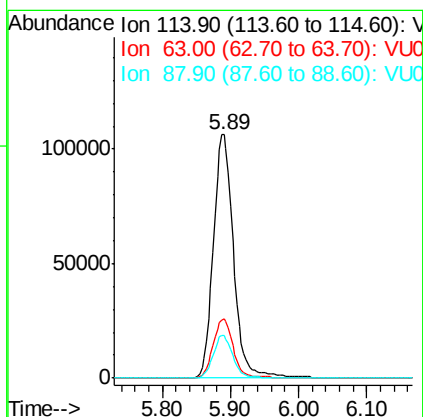
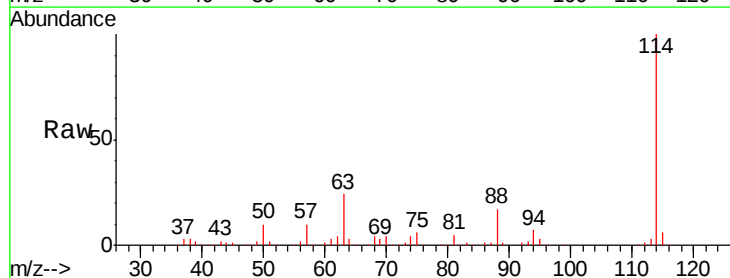
Instrument :
 MSVOA_U
 ClientSampleId :
 MS-FRAC-TANK

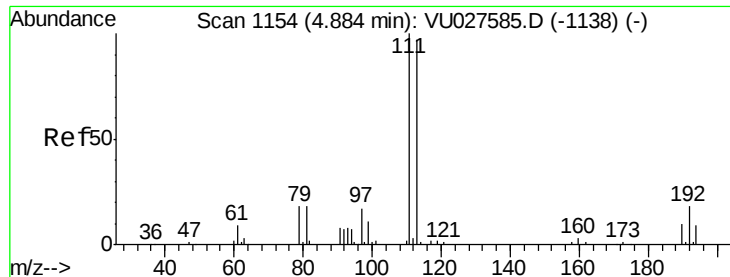
Tgt Ion: 65 Resp: 98795
 Ion Ratio Lower Upper
 65 100
 67 52.5 0.0 107.8



#34
 1,4-Difluorobenzene
 Concen: 50.00 ug/l
 RT: 5.89 min Scan# 1467
 Delta R.T. 0.00 min
 Lab File: VU027608.D
 Acq: 11 Oct 2018 18:50

Tgt Ion: 114 Resp: 219224
 Ion Ratio Lower Upper
 114 100
 63 24.4 0.0 50.2
 88 17.3 0.0 33.8

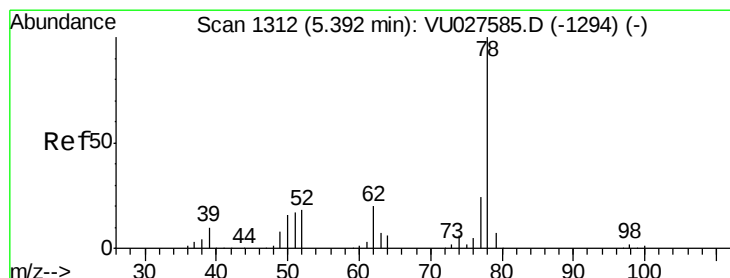
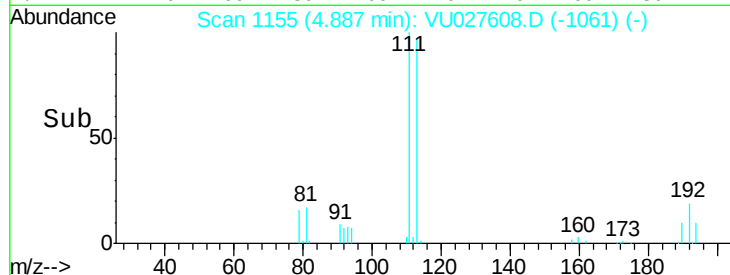
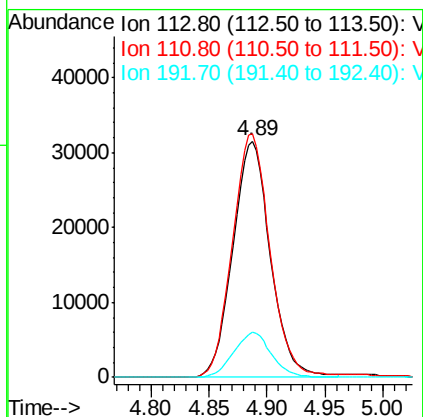
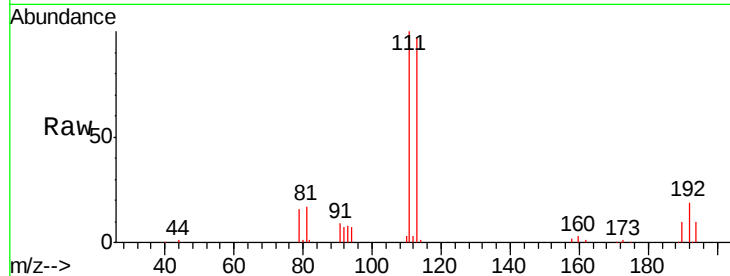




#35
 Dibromofluoromethane
 Concen: 48.88 ug/l
 RT: 4.89 min Scan# 1155
 Delta R.T. 0.00 min
 Lab File: VU027608.D
 Acq: 11 Oct 2018 18:50

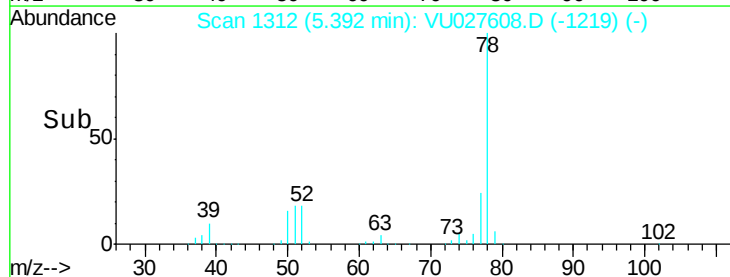
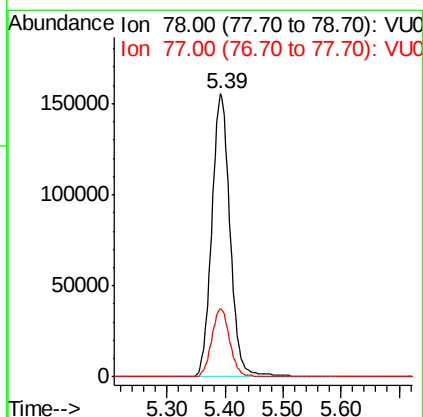
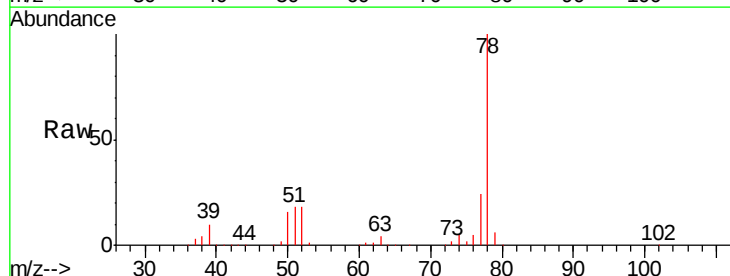
Instrument :
 MSVOA_U
 ClientSampleId :
 MS-FRAC-TANK

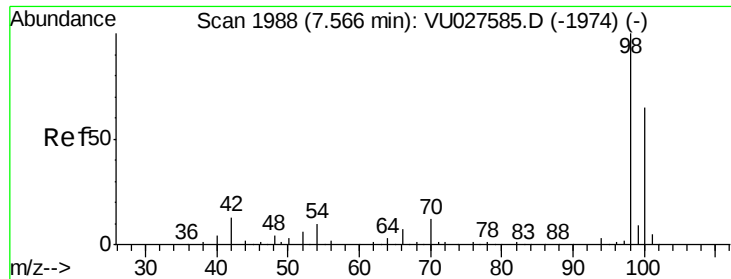
Tgt Ion:113 Resp: 70890
 Ion Ratio Lower Upper
 113 100
 111 103.0 83.1 124.7
 192 19.1 15.4 23.0



#40
 Benzene
 Concen: 50.61 ug/l
 RT: 5.39 min Scan# 1312
 Delta R.T. -0.00 min
 Lab File: VU027608.D
 Acq: 11 Oct 2018 18:50

Tgt Ion: 78 Resp: 340795
 Ion Ratio Lower Upper
 78 100
 77 24.2 19.3 28.9

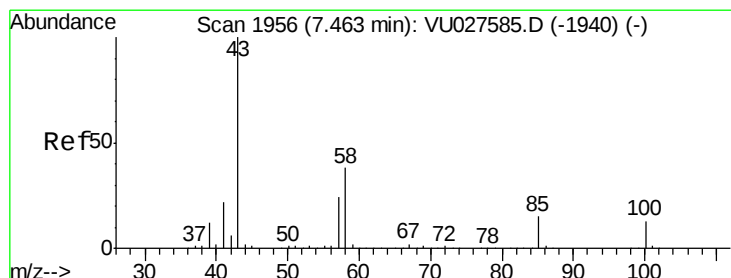
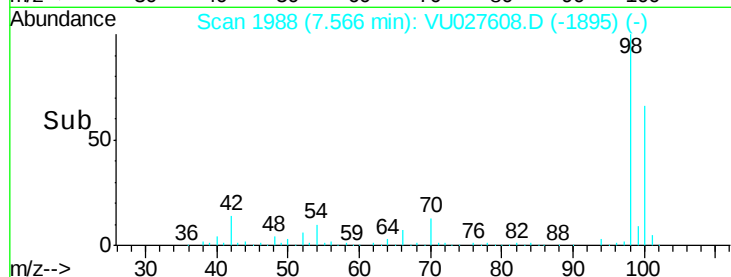
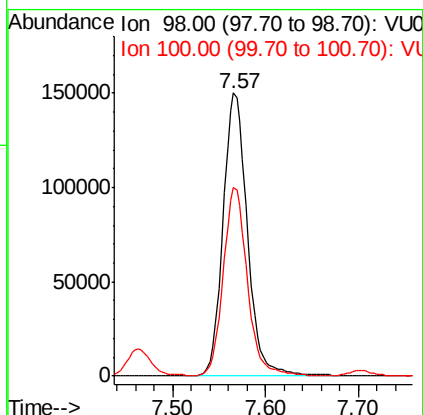
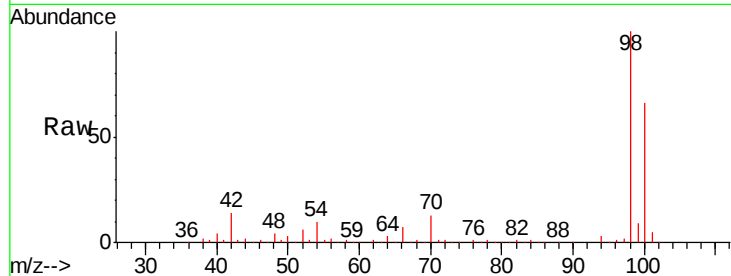




#50
Toluene-d8
Concen: 49.61 ug/l
RT: 7.57 min Scan# 1988
Delta R.T. -0.00 min
Lab File: VU027608.D
Acq: 11 Oct 2018 18:50

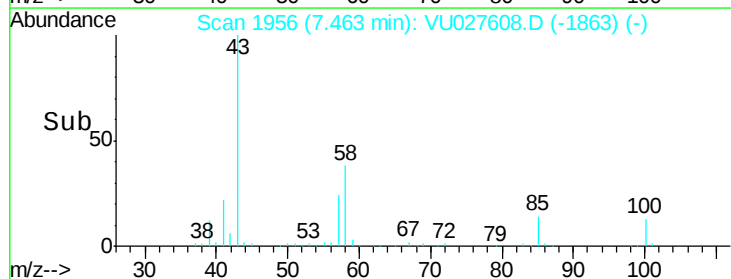
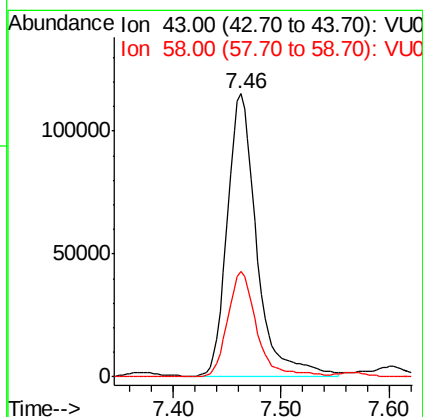
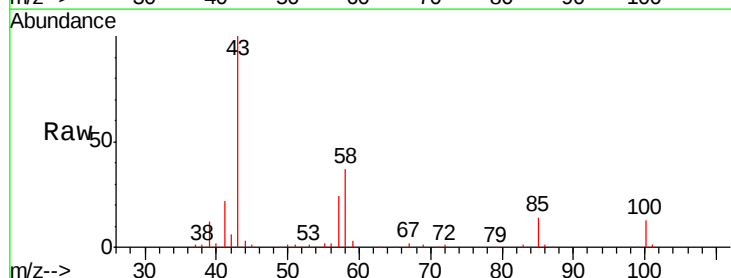
Instrument :
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ClientSampleId :
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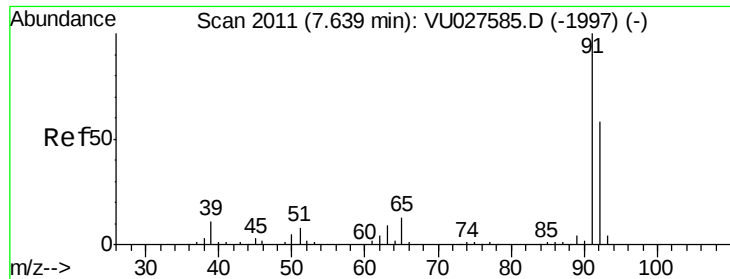
Tgt Ion: 98 Resp: 273978
Ion Ratio Lower Upper
98 100
100 66.4 52.1 78.1



#51
4-Methyl-2-Pentanone
Concen: 70.26 ug/l
RT: 7.46 min Scan# 1956
Delta R.T. 0.00 min
Lab File: VU027608.D
Acq: 11 Oct 2018 18:50

Tgt Ion: 43 Resp: 218394
Ion Ratio Lower Upper
43 100
58 37.0 29.8 44.8





#52

Toluene

Concen: 1.78 ug/l

RT: 7.64 min Scan# 2011

Delta R.T. -0.00 min

Lab File: VU027608.D

Acq: 11 Oct 2018 18:50

Instrument :

MSVOA_U

ClientSampleId :

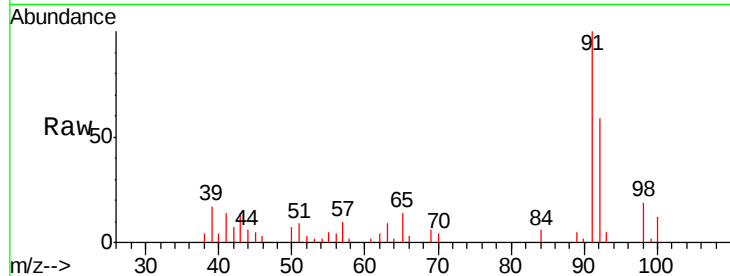
MS-FRAC-TANK

Tgt Ion: 92 Resp: 6857

Ion Ratio Lower Upper

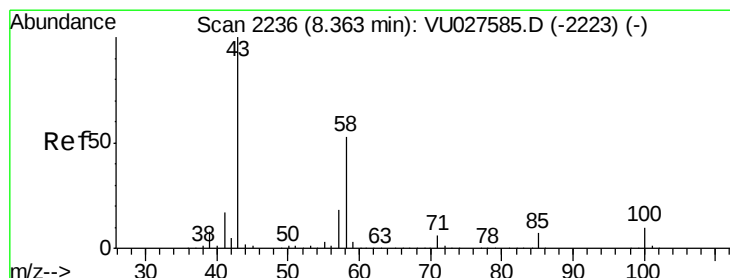
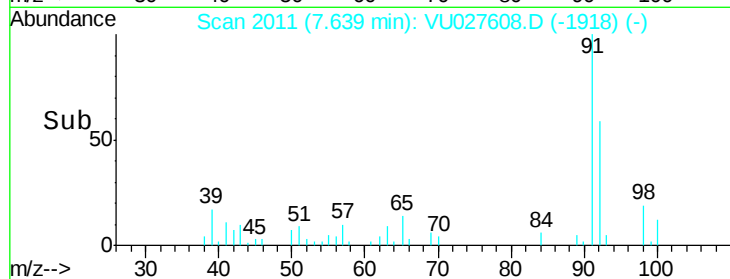
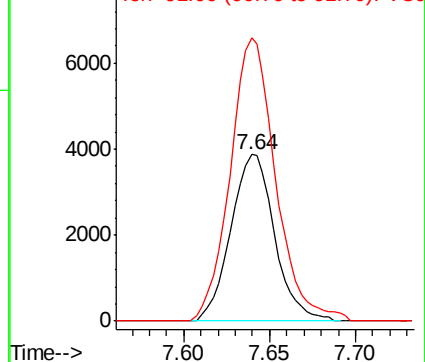
92 100

91 177.0 138.6 208.0



Abundance Ion 92.00 (91.70 to 92.70): VU0

Ion 91.00 (90.70 to 91.70): VU0



#59

2-Hexanone

Concen: 15.29 ug/l

RT: 8.37 min Scan# 2237

Delta R.T. 0.00 min

Lab File: VU027608.D

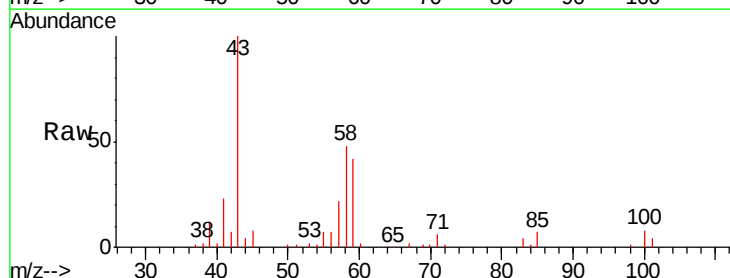
Acq: 11 Oct 2018 18:50

Tgt Ion: 43 Resp: 37078

Ion Ratio Lower Upper

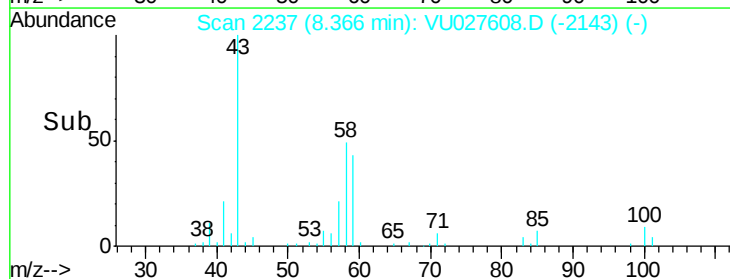
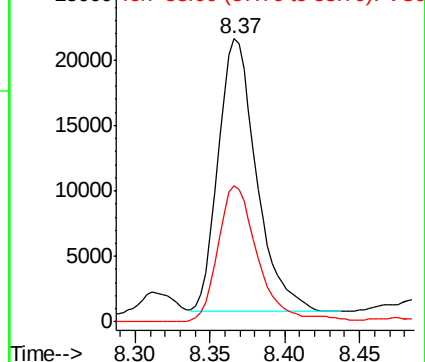
43 100

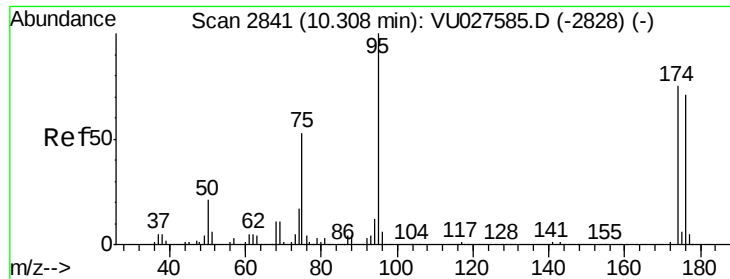
58 51.1 26.1 78.3



Abundance Ion 43.00 (42.70 to 43.70): VU0

Ion 58.00 (57.70 to 58.70): VU0





#62

4-Bromofluorobenzene

Concen: 45.24 ug/l

RT: 10.31 min Scan# 2841

Delta R.T. -0.00 min

Lab File: VU027608.D

Acq: 11 Oct 2018 18:50

Instrument :

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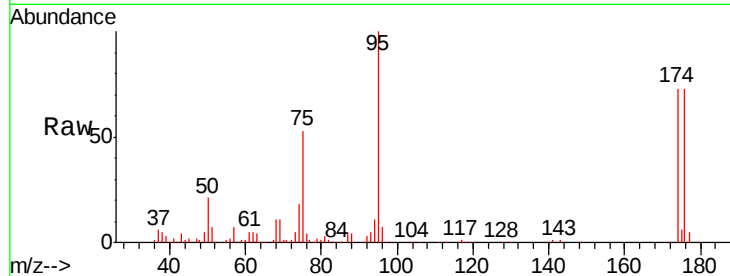
Tgt Ion: 95 Resp: 90129

Ion Ratio Lower Upper

95 100

174 72.5 0.0 147.8

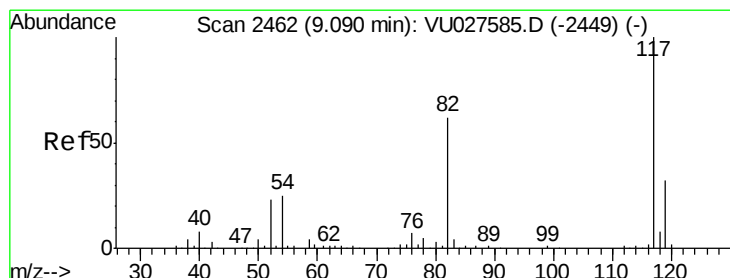
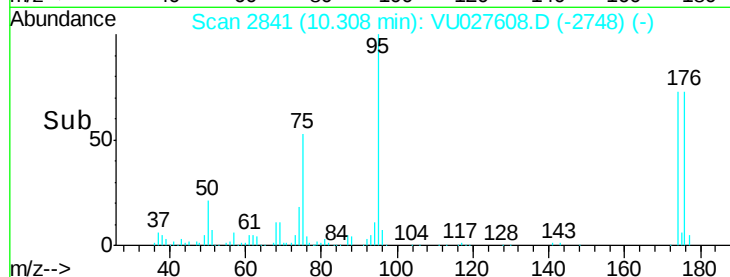
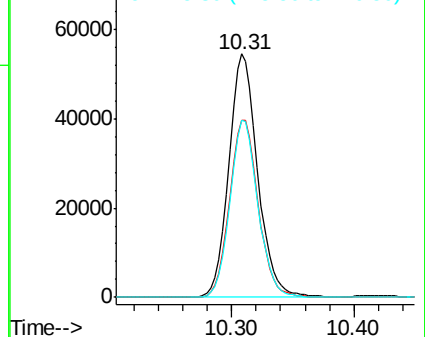
176 70.5 0.0 140.8



Abundance Ion 94.90 (94.60 to 95.60): VU027585.D (-2828) (-)

Ion 173.80 (173.50 to 174.50): VU027585.D (-2828) (-)

Ion 175.80 (175.50 to 176.50): VU027585.D (-2828) (-)



#63

Chlorobenzene-d5

Concen: 50.00 ug/l

RT: 9.09 min Scan# 2463

Delta R.T. 0.00 min

Lab File: VU027608.D

Acq: 11 Oct 2018 18:50

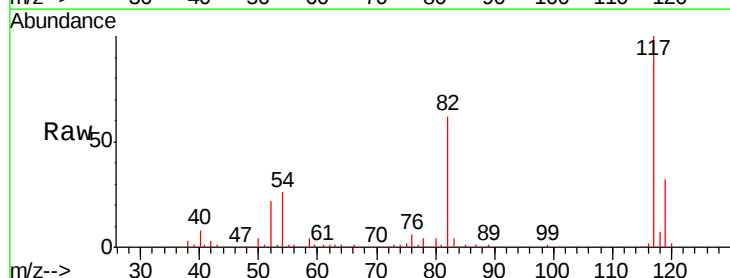
Tgt Ion: 117 Resp: 182303

Ion Ratio Lower Upper

117 100

82 61.9 49.2 73.8

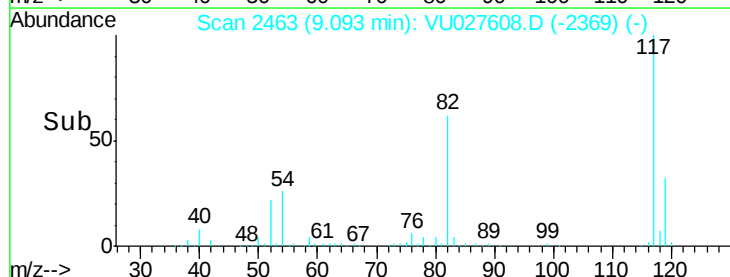
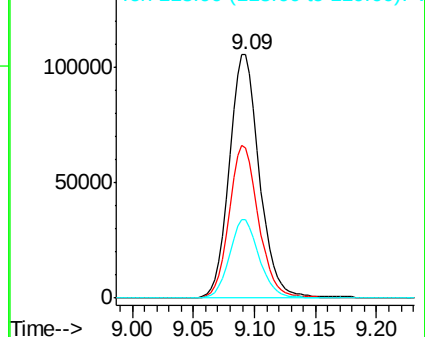
119 32.0 25.7 38.5

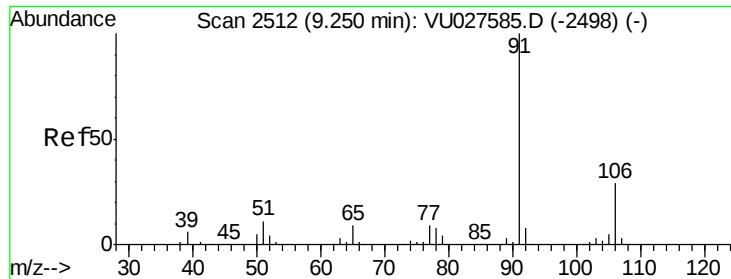


Abundance Ion 116.90 (116.60 to 117.60): VU027585.D (-2449) (-)

Ion 82.00 (81.70 to 82.70): VU027585.D (-2449) (-)

Ion 118.90 (118.60 to 119.60): VU027585.D (-2449) (-)

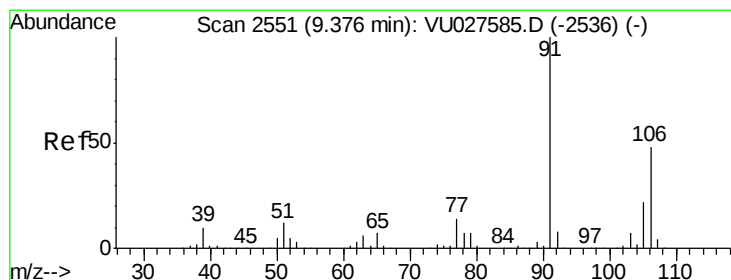
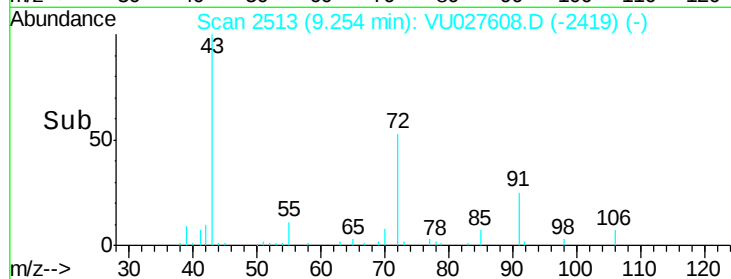
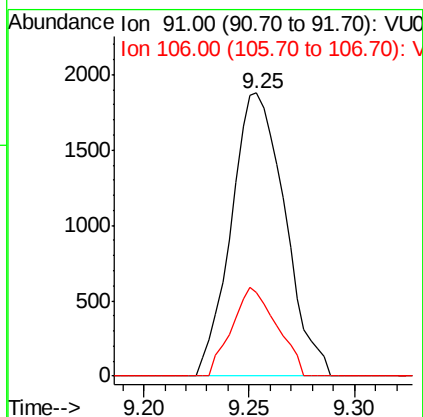
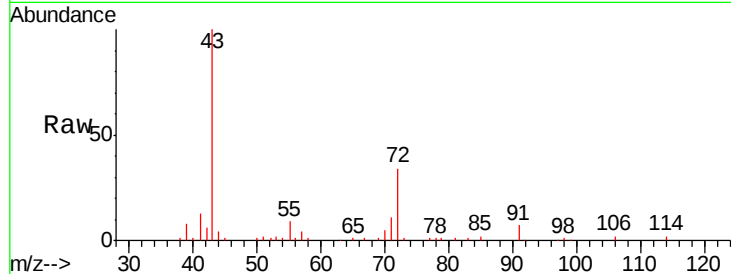




#67
Ethyl Benzene
Concen: 0.51 ug/l
RT: 9.25 min Scan# 2513
Delta R.T. 0.00 min
Lab File: VU027608.D
Acq: 11 Oct 2018 18:50

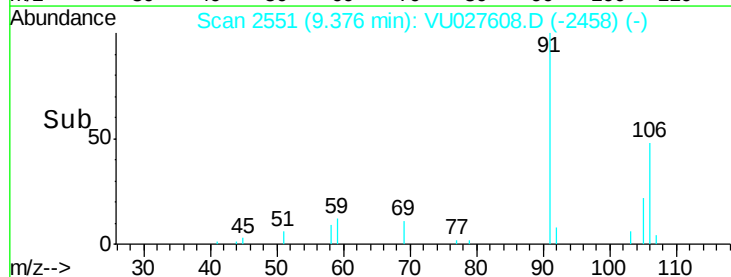
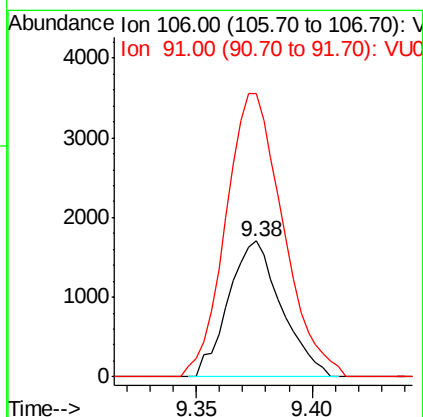
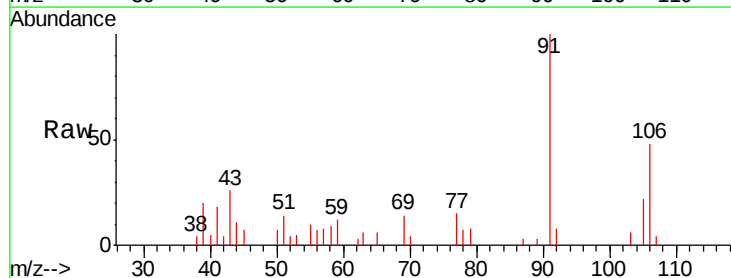
Instrument :
MSVOA_U
ClientSampleId :
MS-FRAC-TANK

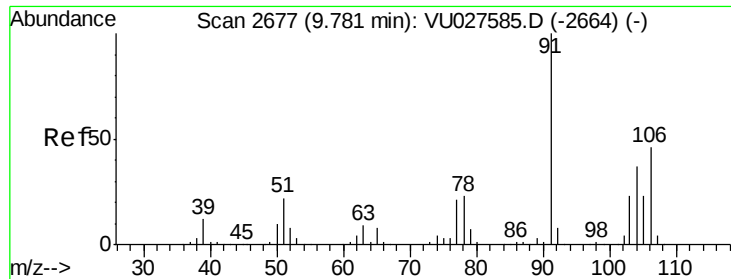
Tgt Ion: 91 Resp: 3314
Ion Ratio Lower Upper
91 100
106 29.6 23.6 35.4



#68
m/p-Xylenes
Concen: 1.14 ug/l
RT: 9.38 min Scan# 2551
Delta R.T. -0.00 min
Lab File: VU027608.D
Acq: 11 Oct 2018 18:50

Tgt Ion: 106 Resp: 2704
Ion Ratio Lower Upper
106 100
91 225.4 168.1 252.1

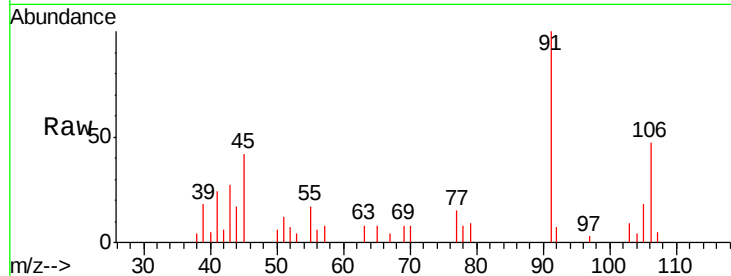




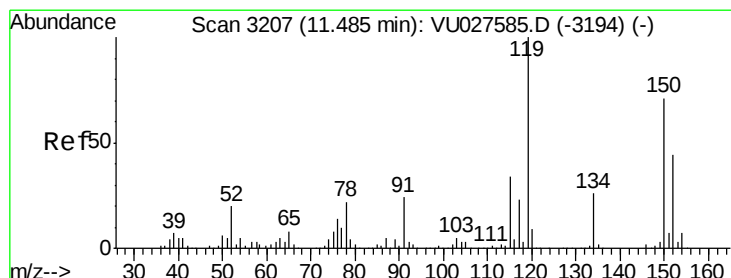
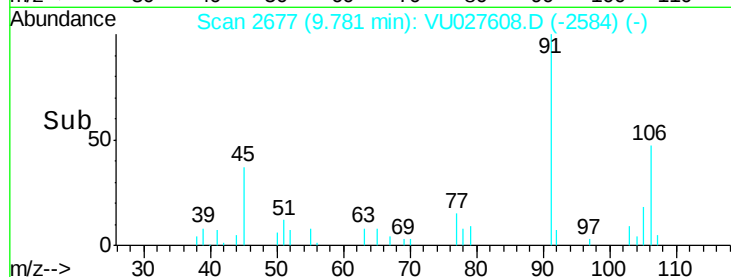
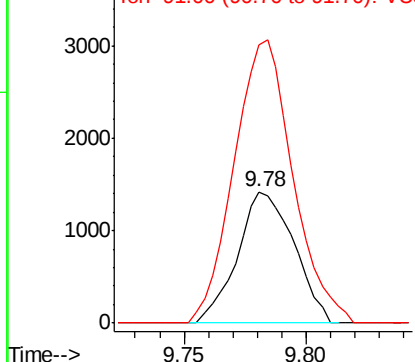
#69
o-Xylene
Concen: 0.99 ug/l
RT: 9.78 min Scan# 2677
Delta R.T. 0.00 min
Lab File: VU027608.D
Acq: 11 Oct 2018 18:50

Instrument :
MSVOA_U
ClientSampleId :
MS-FRAC-TANK

Tgt Ion:106 Resp: 2275
Ion Ratio Lower Upper
106 100
91 225.3 111.7 334.9

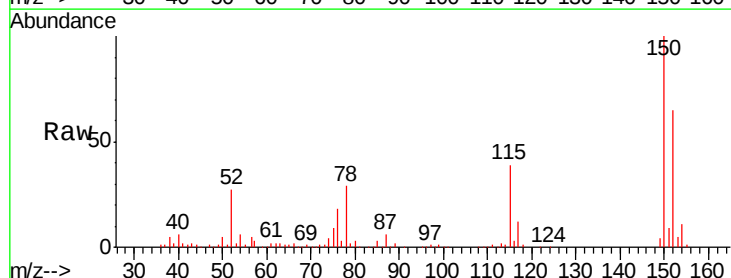


Abundance Ion 106.00 (105.70 to 106.70): V
Ion 91.00 (90.70 to 91.70): VU0

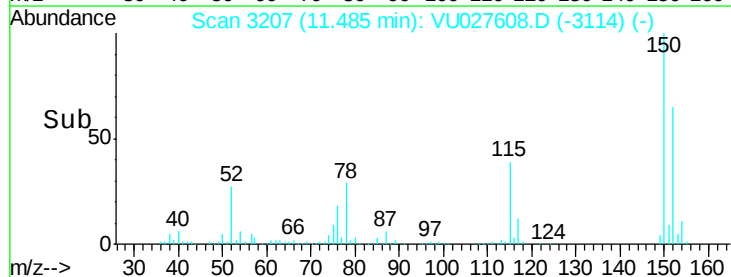
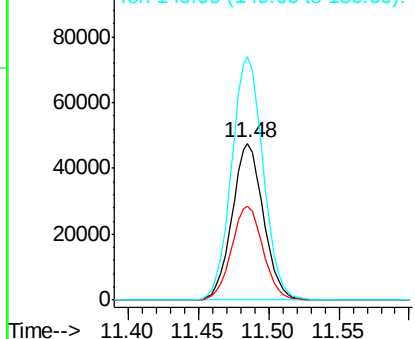


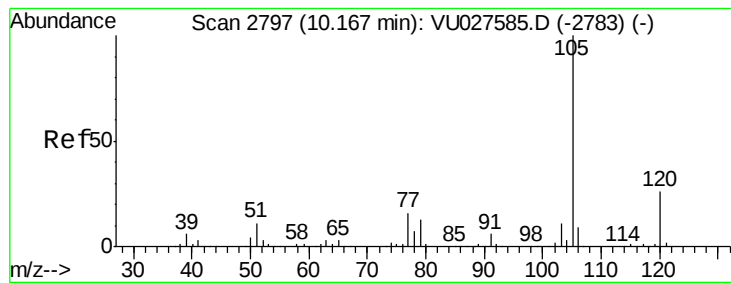
#72
1,4-Dichlorobenzene-d4
Concen: 50.00 ug/l
RT: 11.48 min Scan# 3207
Delta R.T. -0.00 min
Lab File: VU027608.D
Acq: 11 Oct 2018 18:50

Tgt Ion:152 Resp: 74246
Ion Ratio Lower Upper
152 100
115 60.3 43.4 130.2
150 156.8 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





#73

Isopropylbenzene

Concen: 0.65 ug/l

RT: 10.17 min Scan# 2798

Delta R.T. 0.00 min

Lab File: VU027608.D

Acq: 11 Oct 2018 18:50

Instrument :

MSVOA_U

ClientSampleId :

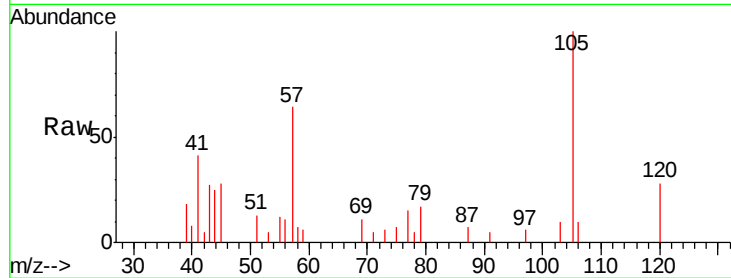
MS-FRAC-TANK

Tgt Ion:105 Resp: 3256

Ion Ratio Lower Upper

105 100

120 27.0 12.6 37.8



Abundance Ion 105.00 (104.70 to 105.70): V

Ion 120.00 (119.70 to 120.70): V

10.17

2500

2000

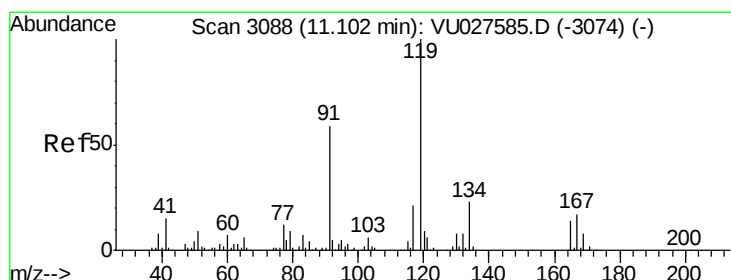
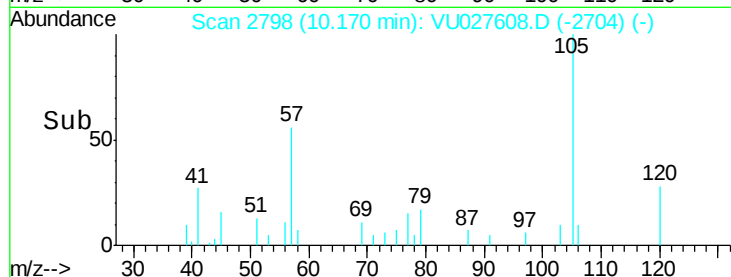
1500

1000

500

0

Time-->



#83

tert-Butylbenzene

Concen: 4.31 ug/l

RT: 11.10 min Scan# 3088

Delta R.T. -0.00 min

Lab File: VU027608.D

Acq: 11 Oct 2018 18:50

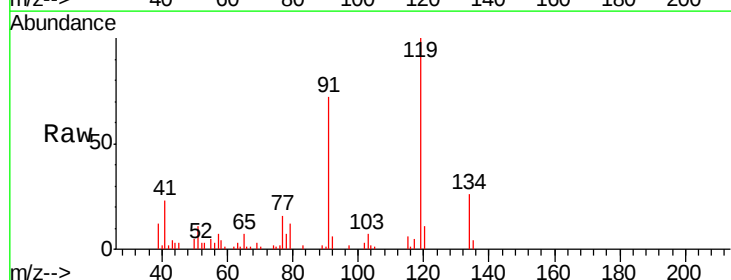
Tgt Ion:119 Resp: 17616

Ion Ratio Lower Upper

119 100

91 71.9 30.3 91.0

134 25.4 11.5 34.4



Abundance Ion 119.00 (118.70 to 119.70): V

Ion 91.00 (90.70 to 91.70): VU0

Ion 134.00 (133.70 to 134.70): V

15000

10000

5000

0

Time-->

