

Data Path : Z:\VOASRV\HPCHEM1\MSVOA U\DATA\VU072718\
 Data File : VU025709.D
 Acq On : 28 Jul 2018 07:42
 Operator : MD/SY
 Sample : J4208-06
 Misc : 5.0mL/MSVOA U/WATER
 ALS Vial : 55 Sample Multiplier: 1

Instrument :
 MSVOA_U
 ClientSampleId :
 FL-0527

Quant Time: Jul 30 09:16:03 2018
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_U\METHOD\82U072718W.M
 Quant Title : SW846 8260
 QLast Update : Fri Jul 27 13:11:52 2018
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	4.99	168	184911	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	5.89	114	287445	50.00	ug/l	0.00
63) Chlorobenzene-d5	9.09	117	281990	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	11.49	152	175213	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	142547	49.48	ug/l	0.00
Spiked Amount			Recovery	=	98.96%	
35) Dibromofluoromethane	4.89	113	119201	47.68	ug/l	0.00
Spiked Amount			Recovery	=	95.36%	
50) Toluene-d8	7.57	98	418366	47.82	ug/l	0.00
Spiked Amount			Recovery	=	95.64%	
62) 4-Bromofluorobenzene	10.31	95	163980	48.29	ug/l	0.00
Spiked Amount			Recovery	=	96.58%	

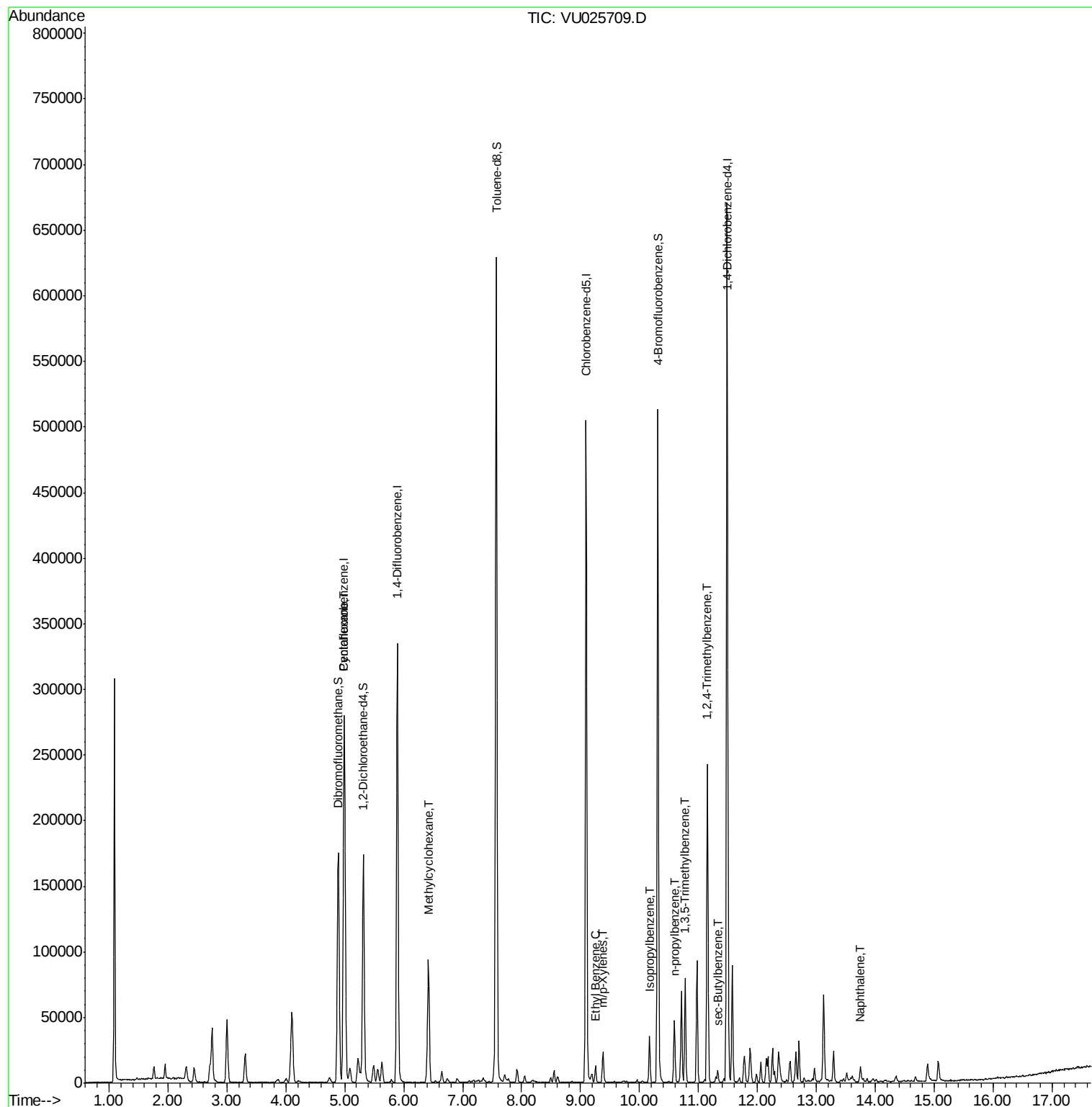
Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
31) Cyclohexane	5.00	56	27788	6.39	ug/l	# 95
39) Methylcyclohexane	6.42	83	39280	10.21	ug/l	99
67) Ethyl Benzene	9.26	91	8608	0.71	ug/l	98
68) m/p-Xylenes	9.38	106	6658	1.44	ug/l	93
73) Isopropylbenzene	10.17	105	21604	1.81	ug/l	100
78) n-propylbenzene	10.59	91	36744	2.63	ug/l	98
80) 1,3,5-Trimethylbenzene	10.78	105	43267	4.26	ug/l	99
84) 1,2,4-Trimethylbenzene	11.15	105	135824	13.20	ug/l	99
85) sec-Butylbenzene	11.33	105	6728	0.55	ug/l	97
95) Naphthalene	13.75	128	11124	2.08	ug/l	98

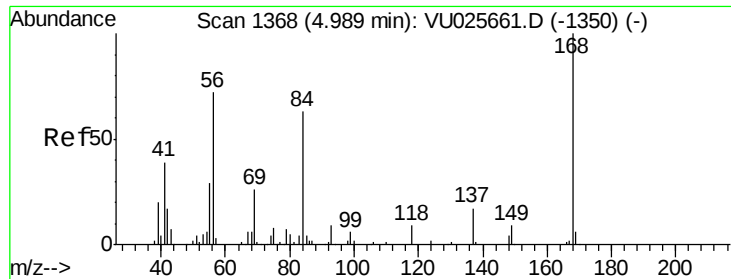
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Data Path : Z:\V0ASRV\HPCHEM1\MSVOA U\DATA\VU072718\
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Acq On : 28 Jul 2018 07:42
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Quant Time: Jul 30 09:16:03 2018
Quant Method : Z:\V0ASRV\HPCHEM1\MSVOA_U\METHOD\82U072718W.M
Quant Title : SW846 8260
QLast Update : Fri Jul 27 13:11:52 2018
Response via : Initial Calibration





#1

Pentafluorobenzene

Concen: 50.00 ug/l

RT: 4.99 min Scan# 1368

Delta R.T. 0.00 min

Lab File: VU025709.D

Acq: 28 Jul 2018 07:42

Instrument :

MSVOA_U

ClientSampleId :

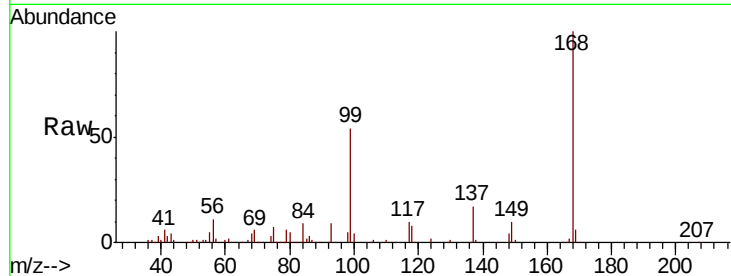
FL-0527

Tot Ion:168 Resp: 184911

Ion Ratio Lower Upper

168 100

99 54.2 42.8 64.2



Abundance Ion 167.90 (167.60 to 168.60): VU025661.D (-1350) (-)

Ion 98.90 (98.60 to 99.60): VU025661.D (-1350) (-)

4.99

80000

60000

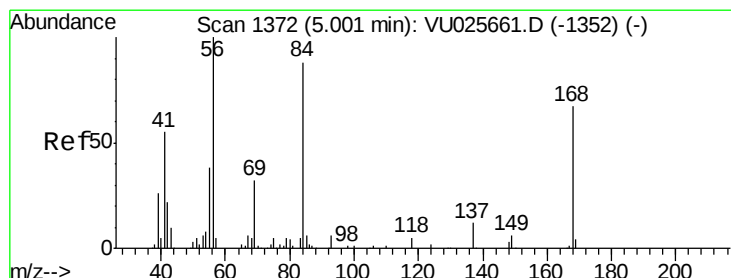
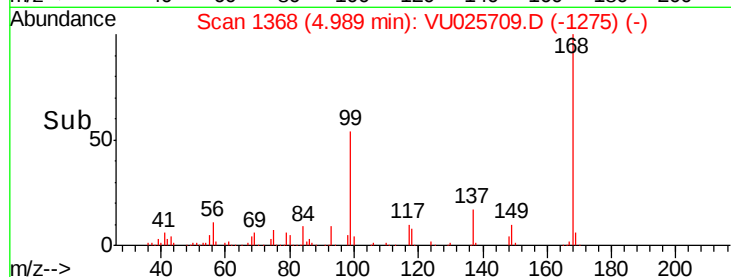
40000

20000

0

Time-->

4.90 5.00 5.10



#31

Cyclohexane

Concen: 6.39 ug/l

RT: 5.00 min Scan# 1371

Delta R.T. -0.00 min

Lab File: VU025709.D

Acq: 28 Jul 2018 07:42

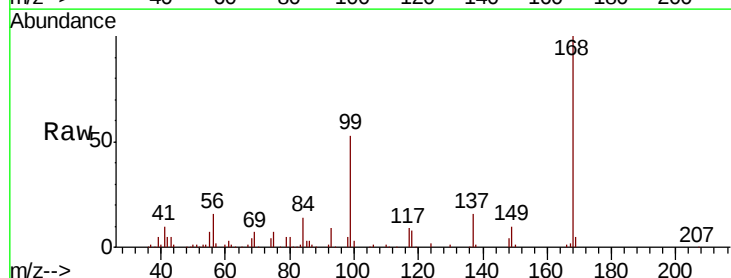
Tgt Ion: 56 Resp: 27788

Ion Ratio Lower Upper

56 100

69 43.1 26.8 40.2#

84 86.2 69.7 104.5



Abundance Ion 56.00 (55.70 to 56.70): VU025661.D (-1352) (-)

Ion 69.00 (68.70 to 69.70): VU025661.D (-1352) (-)

Ion 84.00 (83.70 to 84.70): VU025661.D (-1352) (-)

5.00

15000

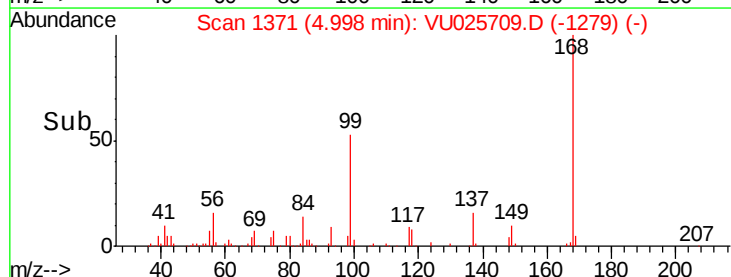
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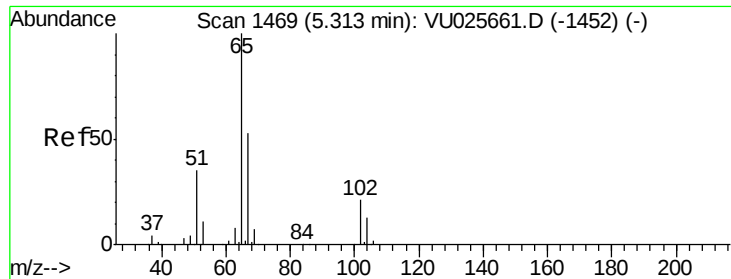
5000

0

Time-->

4.90 4.95 5.00 5.05

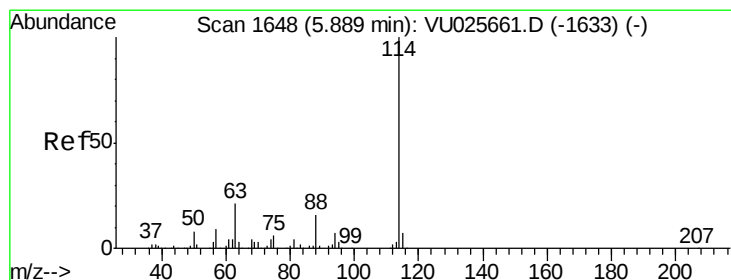
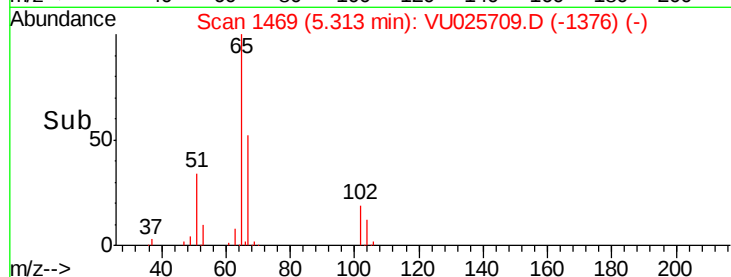
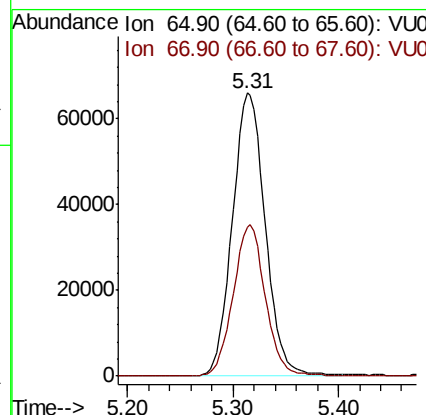
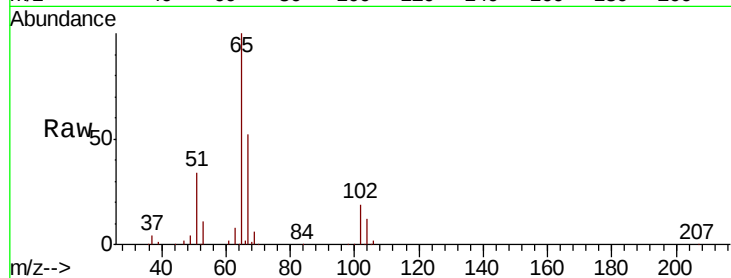




#33
 1,2-Dichloroethane-d4
 Concen: 49.48 ug/l
 RT: 5.31 min Scan# 1469
 Delta R.T. 0.00 min
 Lab File: VU025709.D
 Acq: 28 Jul 2018 07:42

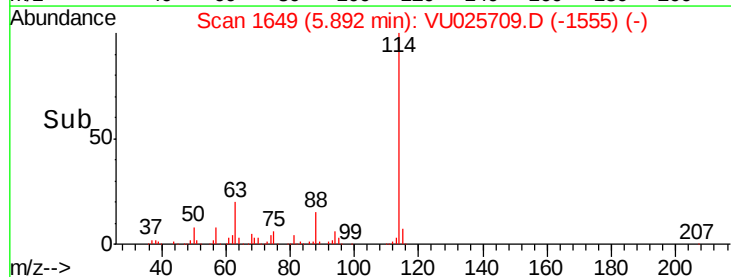
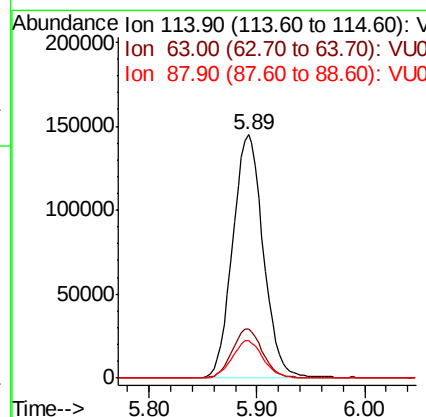
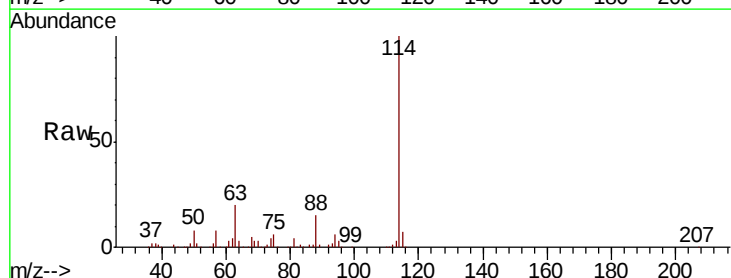
Instrument :
 MSVOA_U
 ClientSampleId :
 FL-0527

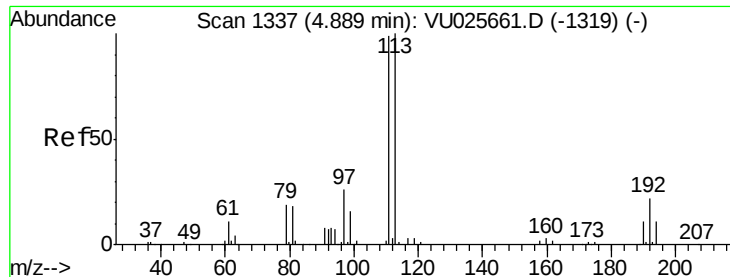
Tot Ion: 65 Resp: 142547
 Ion Ratio Lower Upper
 65 100
 67 52.3 0.0 103.6



#34
 1,4-Difluorobenzene
 Concen: 50.00 ug/l
 RT: 5.89 min Scan# 1649
 Delta R.T. 0.00 min
 Lab File: VU025709.D
 Acq: 28 Jul 2018 07:42

Tgt Ion: 114 Resp: 287445
 Ion Ratio Lower Upper
 114 100
 63 20.0 0.0 41.6
 88 15.4 0.0 32.4

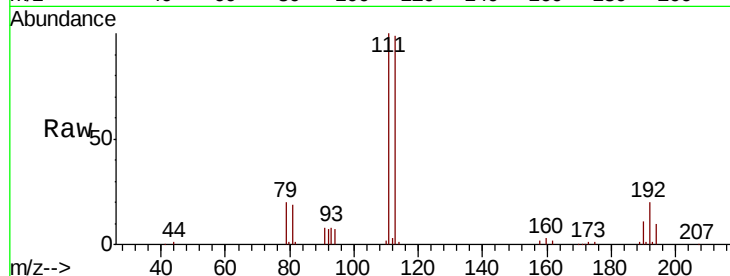




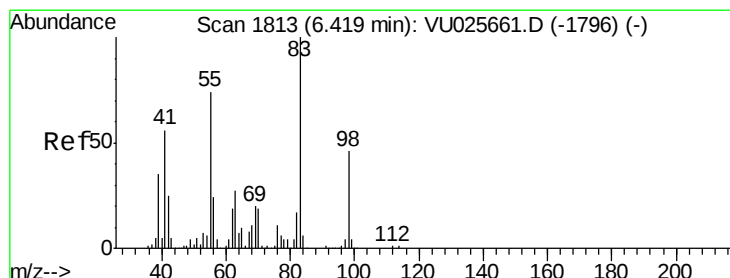
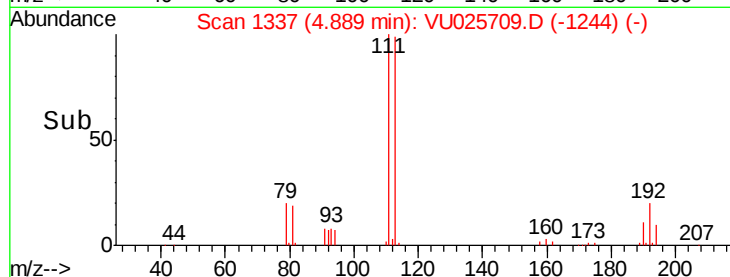
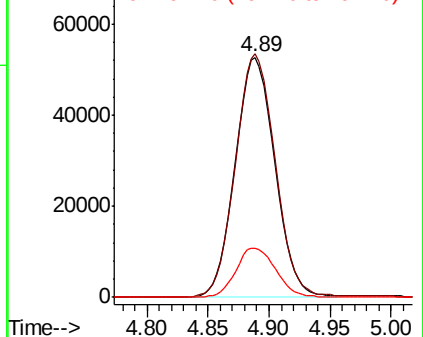
#35
 Dibromofluoromethane
 Concen: 47.68 ug/l
 RT: 4.89 min Scan# 1337
 Delta R.T. 0.00 min
 Lab File: VU025709.D
 Acq: 28 Jul 2018 07:42

Instrument :
 MSVOA_U
 ClientSampleId :
 FL-0527

Tot Ion:113 Resp: 119201
 Ion Ratio Lower Upper
 113 100
 111 101.6 81.7 122.5
 192 20.6 17.1 25.7

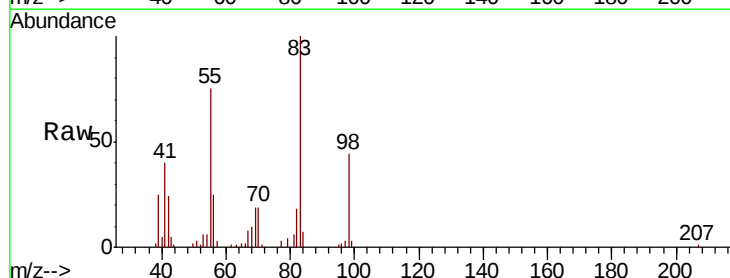


Abundance Ion 112.80 (112.50 to 113.50): V
 Ion 110.80 (110.50 to 111.50): V
 Ion 191.70 (191.40 to 192.40): V

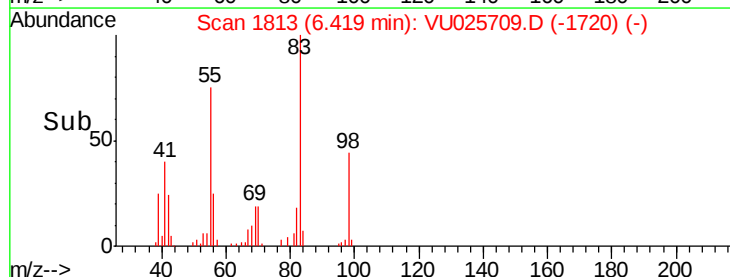
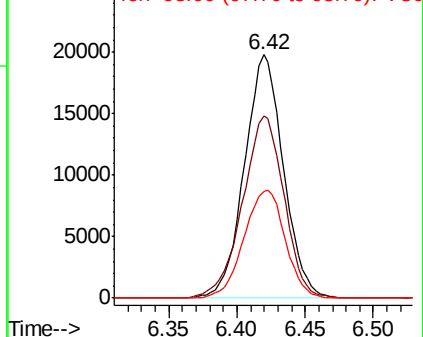


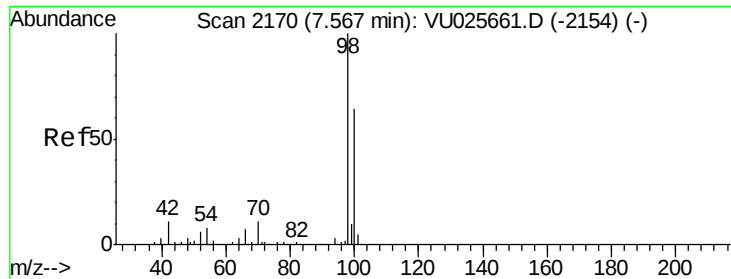
#39
 Methylcyclohexane
 Concen: 10.21 ug/l
 RT: 6.42 min Scan# 1813
 Delta R.T. 0.00 min
 Lab File: VU025709.D
 Acq: 28 Jul 2018 07:42

Tgt Ion: 83 Resp: 39280
 Ion Ratio Lower Upper
 83 100
 55 74.7 60.0 90.0
 98 43.8 36.1 54.1



Abundance Ion 83.00 (82.70 to 83.70): VU0
 Ion 55.00 (54.70 to 55.70): VU0
 Ion 98.00 (97.70 to 98.70): VU0





#50

Toluene-d8

Concen: 47.82 ug/l

RT: 7.57 min Scan# 2171

Delta R.T. 0.00 min

Lab File: VU025709.D

Acq: 28 Jul 2018 07:42

Instrument :

MSVOA_U

ClientSampleId :

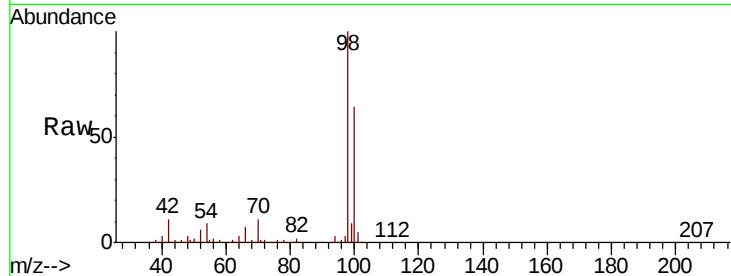
FL-0527

Tot Ion: 98 Resp: 418366

Ion Ratio Lower Upper

98 100

100 64.0 51.1 76.7



Abundance Ion 98.00 (97.70 to 98.70): VU025661.D (-2154) (-)

Ion 100.00 (99.70 to 100.70): VU025661.D (-2154) (-)

7.57

250000

200000

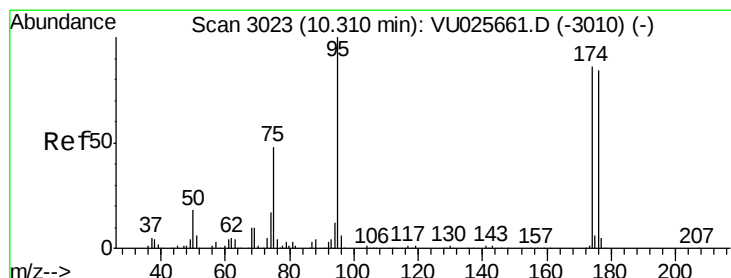
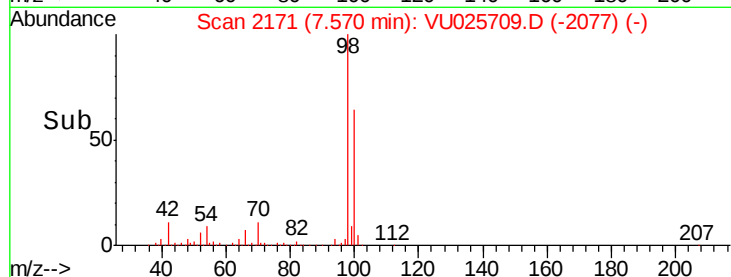
150000

100000

50000

0

Time-->



#62

4-Bromofluorobenzene

Concen: 48.29 ug/l

RT: 10.31 min Scan# 3023

Delta R.T. 0.00 min

Lab File: VU025709.D

Acq: 28 Jul 2018 07:42

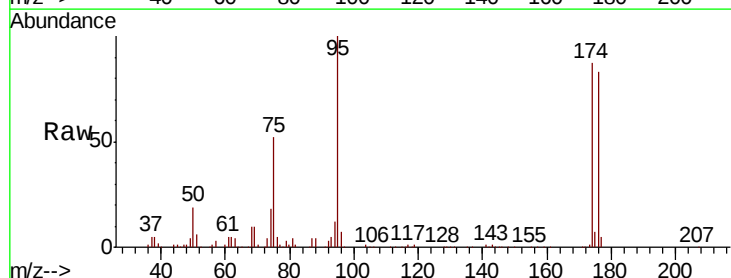
Tgt Ion: 95 Resp: 163980

Ion Ratio Lower Upper

95 100

174 87.7 0.0 172.2

176 84.7 0.0 162.6



Abundance Ion 94.90 (94.60 to 95.60): VU025661.D (-3010) (-)

Ion 173.80 (173.50 to 174.50): VU025661.D (-3010) (-)

Ion 175.80 (175.50 to 176.50): VU025661.D (-3010) (-)

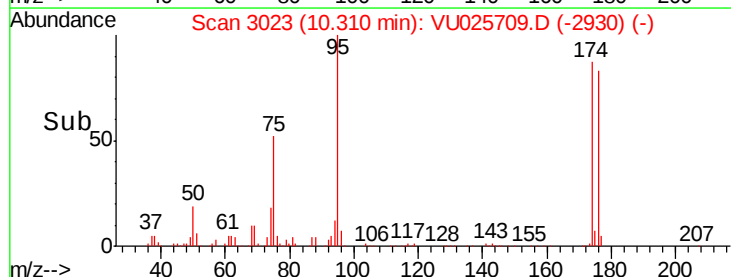
10.31

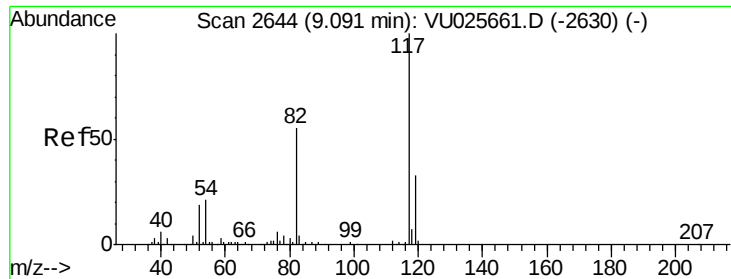
100000

50000

0

Time-->

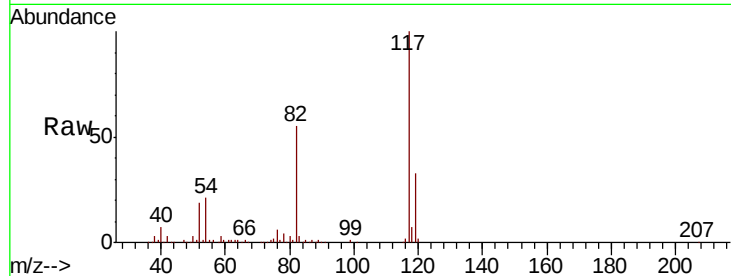




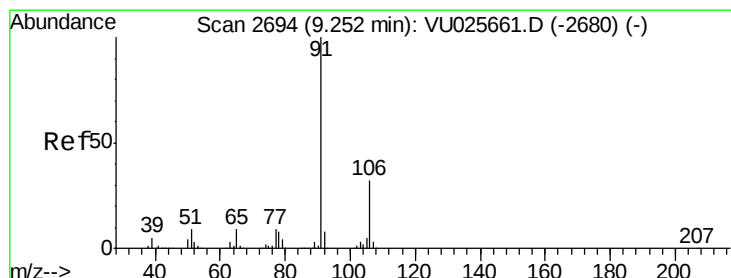
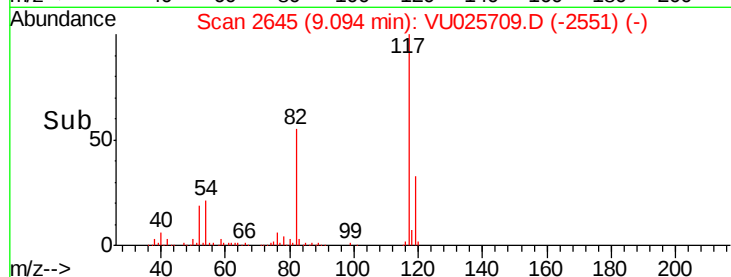
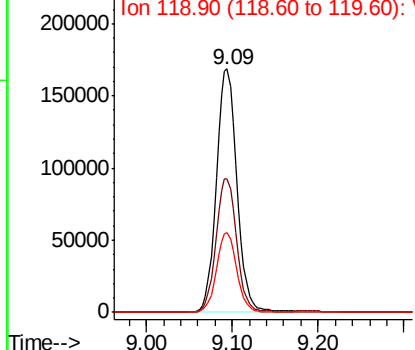
#63
Chlorobenzene-d5
Concen: 50.00 ug/l
RT: 9.09 min Scan# 2645
Delta R.T. 0.00 min
Lab File: VU025709.D
Acq: 28 Jul 2018 07:42

Instrument :
MSVOA_U
ClientSampleId :
FL-0527

Tot Ion:117 Resp: 281990
Ion Ratio Lower Upper
117 100
82 54.7 46.0 69.0
119 32.7 26.0 39.0

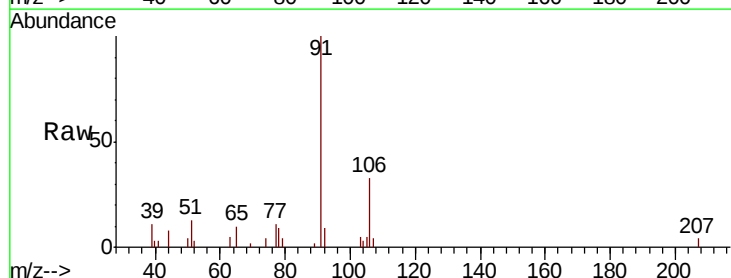


Abundance Ion 116.90 (116.60 to 117.60): V
Ion 82.00 (81.70 to 82.70): VU0
Ion 118.90 (118.60 to 119.60): V

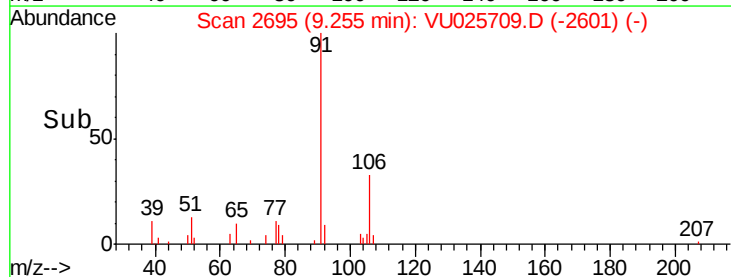
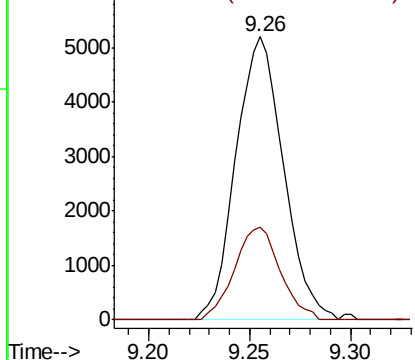


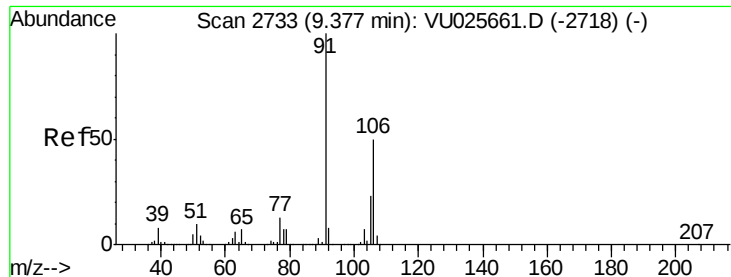
#67
Ethyl Benzene
Concen: 0.71 ug/l
RT: 9.26 min Scan# 2695
Delta R.T. 0.00 min
Lab File: VU025709.D
Acq: 28 Jul 2018 07:42

Tgt Ion: 91 Resp: 8608
Ion Ratio Lower Upper
91 100
106 32.8 25.3 37.9



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

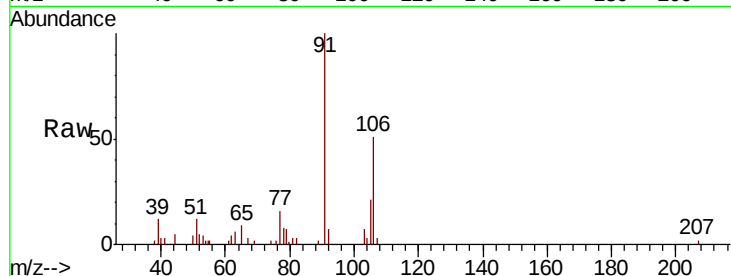




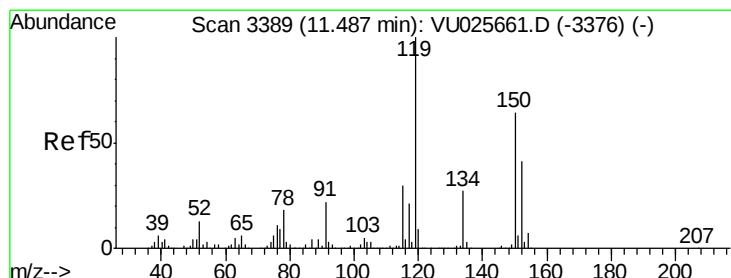
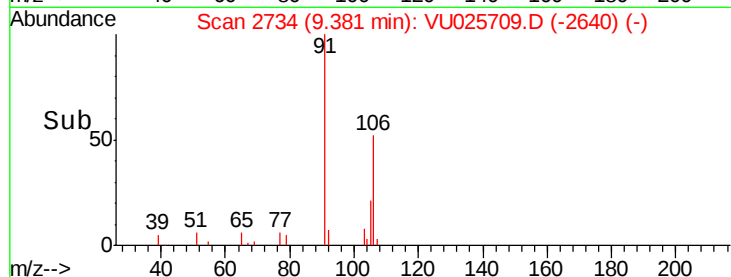
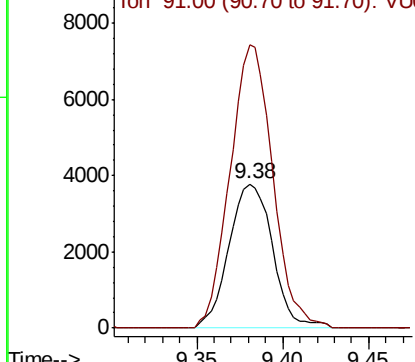
#68
m/p-Xvlenes
Concen: 1.44 ug/l
RT: 9.38 min Scan# 2734
Delta R.T. 0.00 min
Lab File: VU025709.D
Acq: 28 Jul 2018 07:42

Instrument :
MSVOA_U
ClientSampled :
FL-0527

Tot Ion:106 Resp: 6658
Ion Ratio Lower Upper
106 100
91 192.2 162.3 243.5

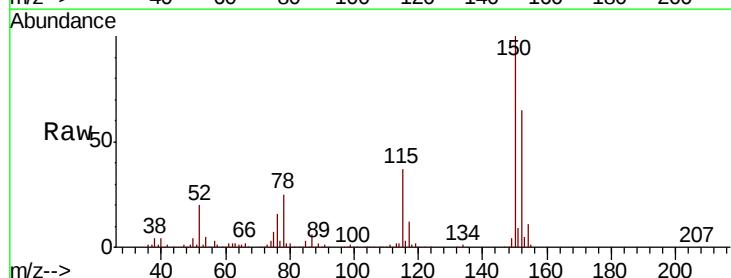


Abundance Ion 106.00 (105.70 to 106.70): V
Ion 91.00 (90.70 to 91.70): VU0

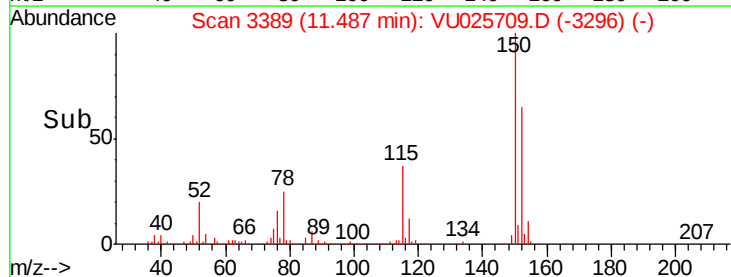
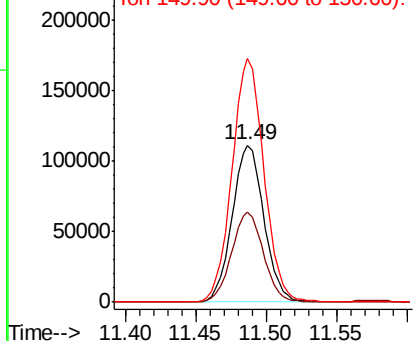


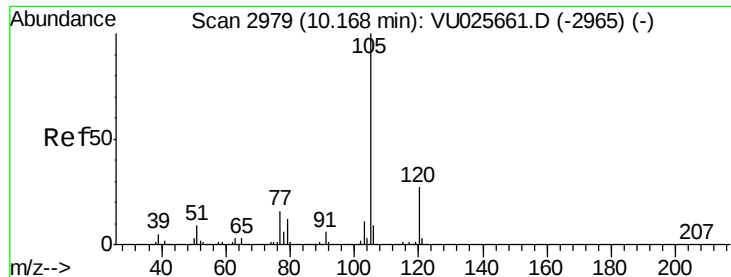
#72
1,4-Dichlorobenzene-d4
Concen: 50.00 ug/l
RT: 11.49 min Scan# 3389
Delta R.T. 0.00 min
Lab File: VU025709.D
Acq: 28 Jul 2018 07:42

Tgt Ion:152 Resp: 175213
Ion Ratio Lower Upper
152 100
115 57.3 40.1 120.3
150 156.1 0.0 351.4



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





#73

Isopropylbenzene

Concen: 1.81 ug/l

RT: 10.17 min Scan# 2979

Delta R.T. 0.00 min

Lab File: VU025709.D

Acq: 28 Jul 2018 07:42

Instrument :

MSVOA_U

ClientSampleId :

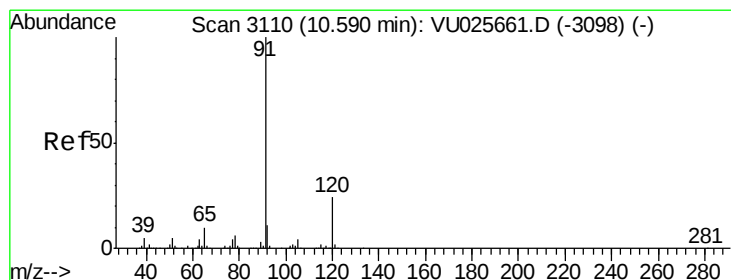
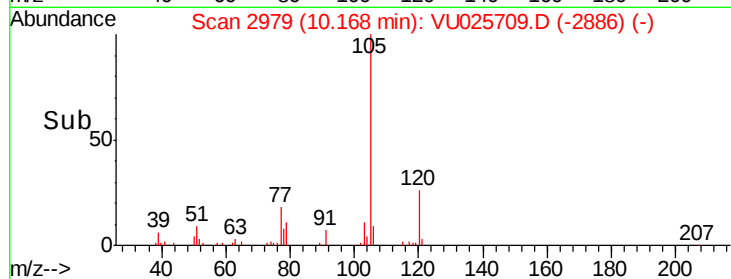
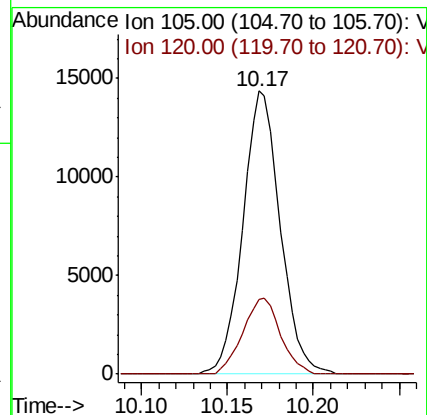
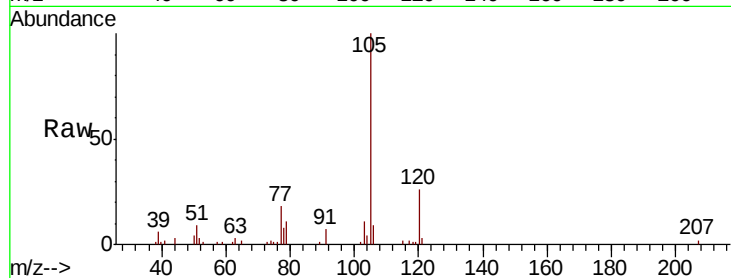
FL-0527

Tot Ion:105 Resp: 21604

Ion Ratio Lower Upper

105 100

120 27.1 13.5 40.5



#78

n-propylbenzene

Concen: 2.63 ug/l

RT: 10.59 min Scan# 3110

Delta R.T. 0.00 min

Lab File: VU025709.D

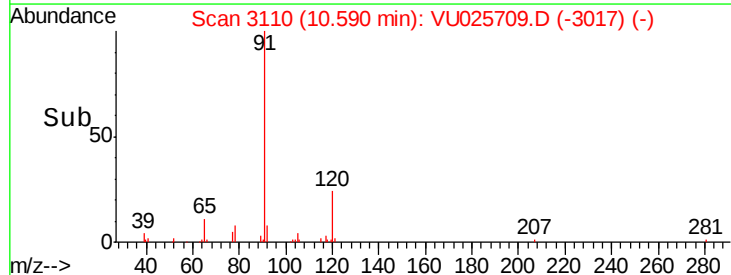
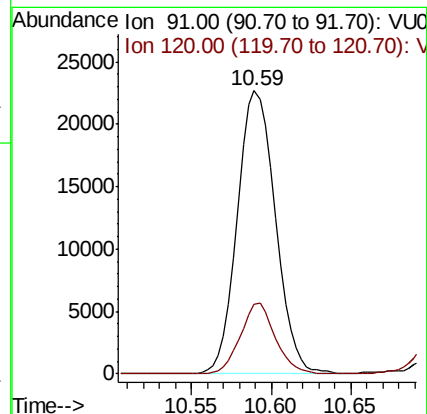
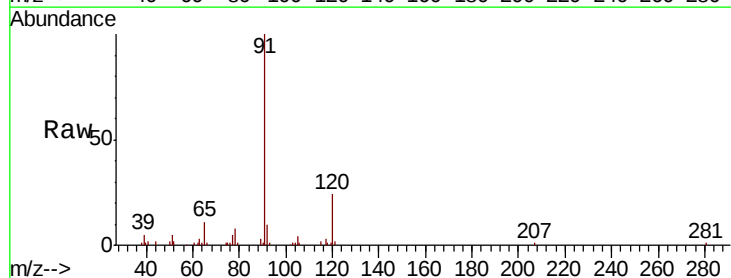
Acq: 28 Jul 2018 07:42

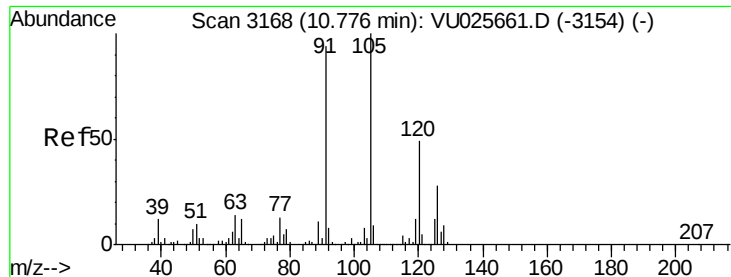
Tgt Ion: 91 Resp: 36744

Ion Ratio Lower Upper

91 100

120 22.7 11.8 35.3





#80

1,3,5-Trimethylbenzene

Concen: 4.26 ug/l

RT: 10.78 min Scan# 3168

Delta R.T. 0.00 min

Lab File: VU025709.D

Acq: 28 Jul 2018 07:42

Instrument :

MSVOA_U

ClientSampleId :

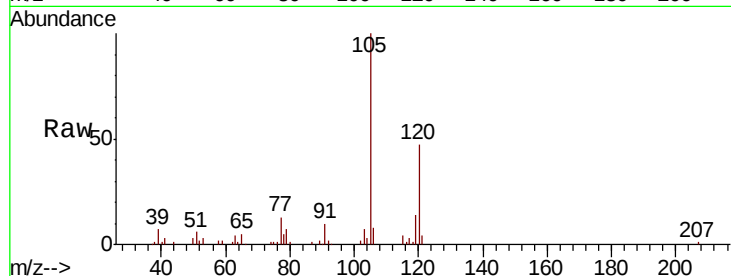
FL-0527

Tot Ion:105 Resp: 43267

Ion Ratio Lower Upper

105 100

120 48.8 24.1 72.2



Abundance Ion 105.00 (104.70 to 105.70): V

Ion 120.00 (119.70 to 120.70): V

10.78

30000

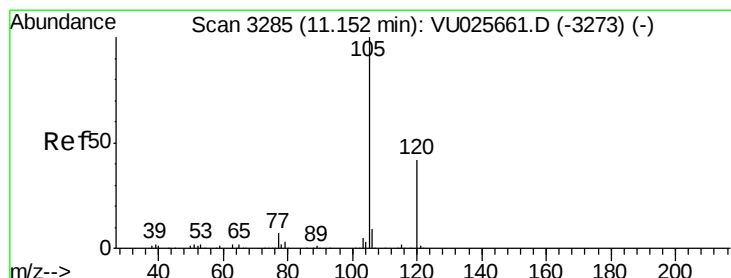
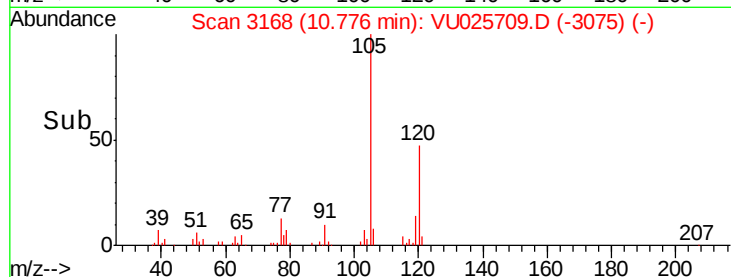
20000

10000

0

10.75 10.80 10.85

Time-->



#84

1,2,4-Trimethylbenzene

Concen: 13.20 ug/l

RT: 11.15 min Scan# 3285

Delta R.T. 0.00 min

Lab File: VU025709.D

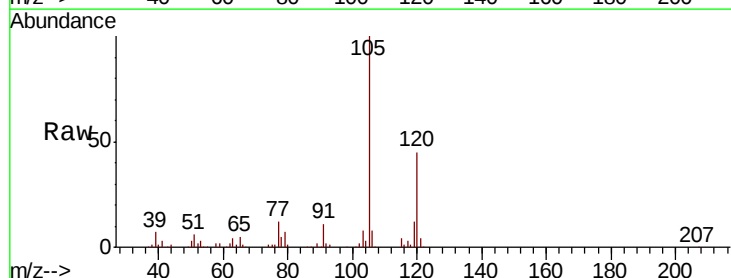
Acq: 28 Jul 2018 07:42

Tgt Ion:105 Resp: 135824

Ion Ratio Lower Upper

105 100

120 44.9 22.3 66.8



Abundance Ion 105.00 (104.70 to 105.70): V

Ion 120.00 (119.70 to 120.70): V

11.15

100000

80000

60000

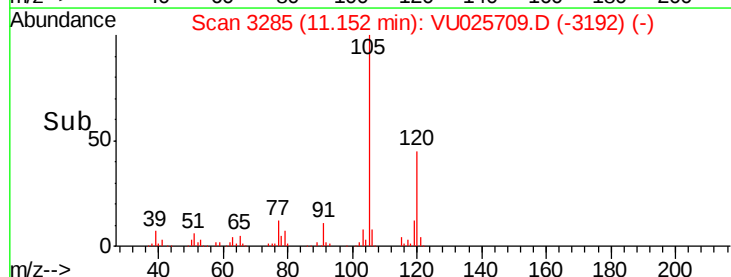
40000

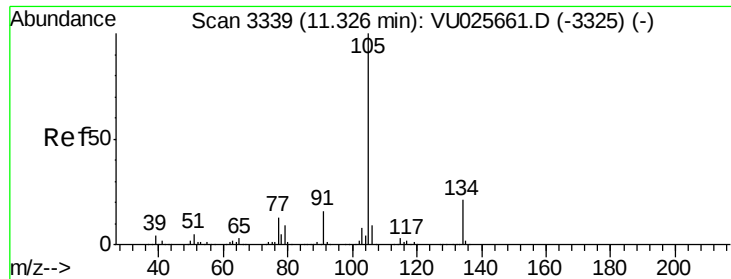
20000

0

11.10 11.20

Time-->





#85

sec-Butylbenzene

Concen: 0.55 ug/l

RT: 11.33 min Scan# 3339

Delta R.T. 0.00 min

Lab File: VU025709.D

Acq: 28 Jul 2018 07:42

Instrument :

MSVOA_U

ClientSampleId :

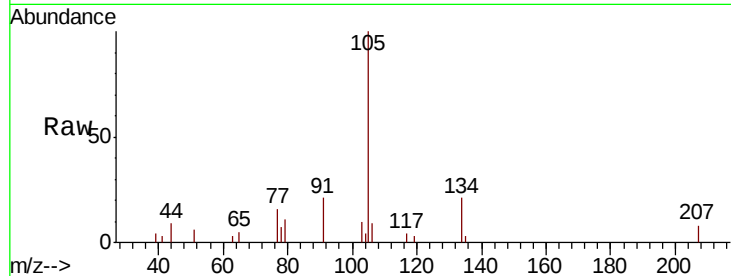
FL-0527

Tot Ion:105 Resp: 6728

Ion Ratio Lower Upper

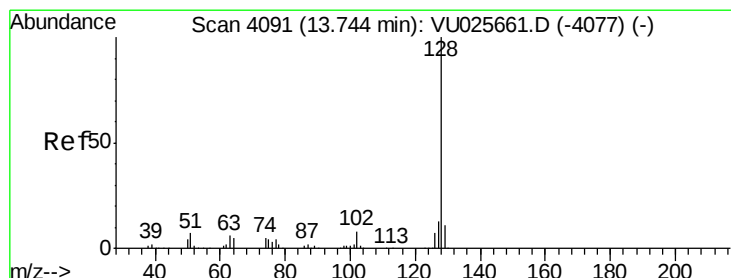
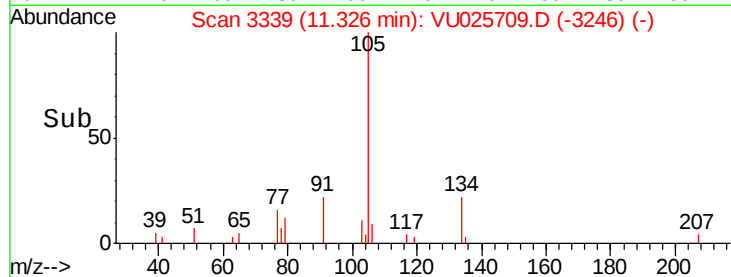
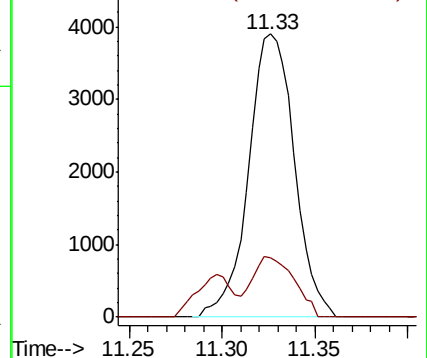
105 100

134 19.3 10.3 30.8



Abundance Ion 105.00 (104.70 to 105.70): V

Ion 134.00 (133.70 to 134.70): V



#95

Naphthalene

Concen: 2.08 ug/l

RT: 13.75 min Scan# 4092

Delta R.T. 0.00 min

Lab File: VU025709.D

Acq: 28 Jul 2018 07:42

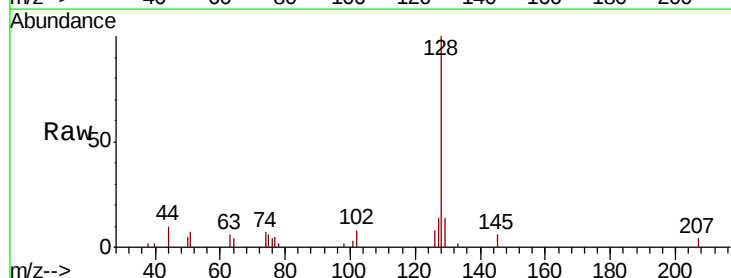
Tgt Ion:128 Resp: 11124

Ion Ratio Lower Upper

128 100

127 12.6 10.5 15.7

129 11.7 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

