

Data Path : Z:\VOASRV\HPCHEM1\MSVOA U\DATA\VU080618\
 Data File : VU025896.D
 Acq On : 06 Aug 2018 19:15
 Operator : MD/SY
 Sample : J4263-01
 Misc : 5.0mL/MSVOA U/WATER
 ALS Vial : 19 Sample Multiplier: 1

Instrument :
 MSVOA_U
 ClientSampleId :
 FL-0521

Quant Time: Aug 07 08:53:08 2018
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_U\METHOD\82U072718W.M
 Quant Title : SW846 8260
 QLast Update : Tue Aug 07 00:49:55 2018
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	4.99	168	178856	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	5.89	114	293920	50.00	ug/l	0.00
63) Chlorobenzene-d5	9.09	117	289756	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	11.49	152	177055	50.00	ug/l	0.00

System Monitoring Compounds	R.T.	QIon	Response	Conc	Units	Dev(Min)
33) 1,2-Dichloroethane-d4	5.32	65	145211	52.11	ug/l	0.00
Spiked Amount			Recovery	=	104.22%	
35) Dibromofluoromethane	4.89	113	123451	48.29	ug/l	0.00
Spiked Amount			Recovery	=	96.58%	
50) Toluene-d8	7.57	98	432722	48.37	ug/l	0.00
Spiked Amount			Recovery	=	96.74%	
62) 4-Bromofluorobenzene	10.31	95	162921	46.92	ug/l	0.00
Spiked Amount			Recovery	=	93.84%	

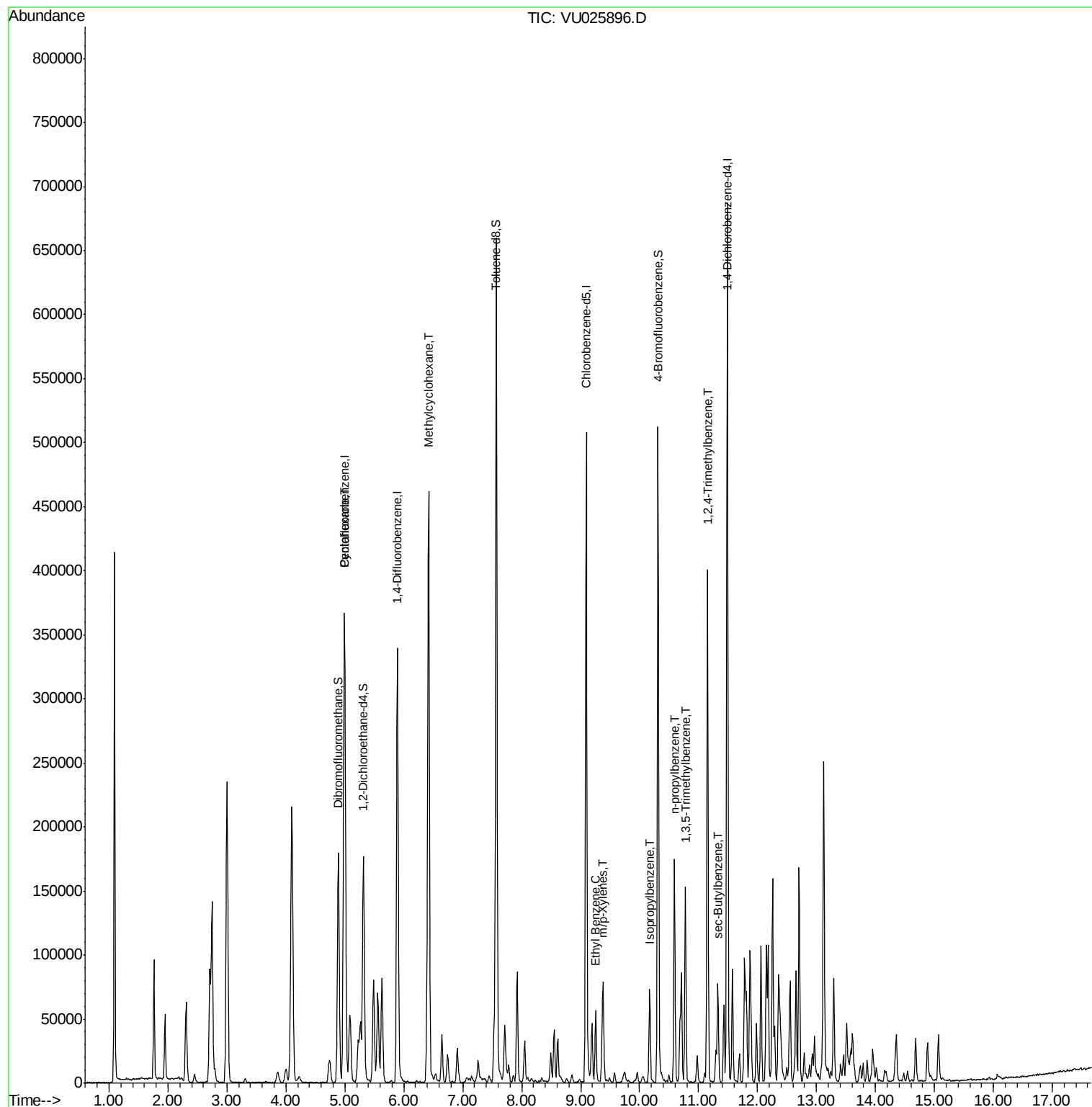
Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
31) Cyclohexane	5.00	56	85755	23.43	ug/l	98
39) Methylcyclohexane	6.42	83	193645	49.20	ug/l	96
67) Ethyl Benzene	9.26	91	36208	2.93	ug/l	99
68) m/p-Xylenes	9.38	106	17915	3.77	ug/l	95
73) Isopropylbenzene	10.17	105	46084	3.81	ug/l	99
78) n-propylbenzene	10.59	91	128882	9.14	ug/l	100
80) 1,3,5-Trimethylbenzene	10.78	105	81363	7.93	ug/l	98
84) 1,2,4-Trimethylbenzene	11.15	105	215696	20.74	ug/l	98
85) sec-Butylbenzene	11.33	105	49978	4.01	ug/l	98

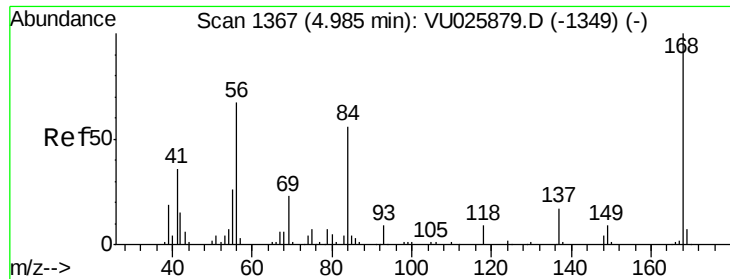
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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Quant Title : SW846 8260
QLast Update : Tue Aug 07 00:49:55 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: VU025896.D

Acq: 06 Aug 2018 19:15

Instrument :

MSVOA_U

ClientSampleId :

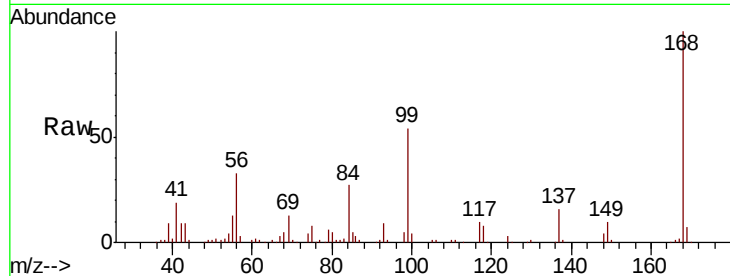
FL-0521

Tot Ion:168 Resp: 178856

Ion Ratio Lower Upper

168 100

99 54.2 42.8 64.2



Abundance Ion 167.90 (167.60 to 168.60): VU025879.D (-1349) (-)

Ion 98.90 (98.60 to 99.60): VU025879.D (-1349) (-)

4.99

80000

60000

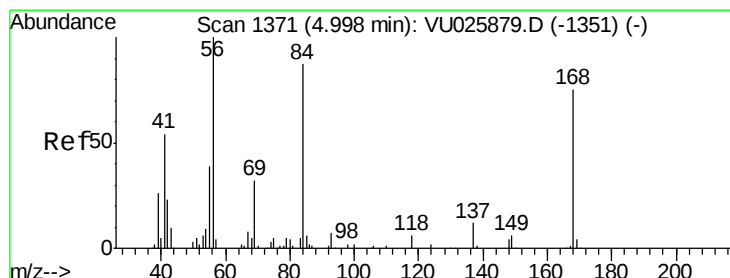
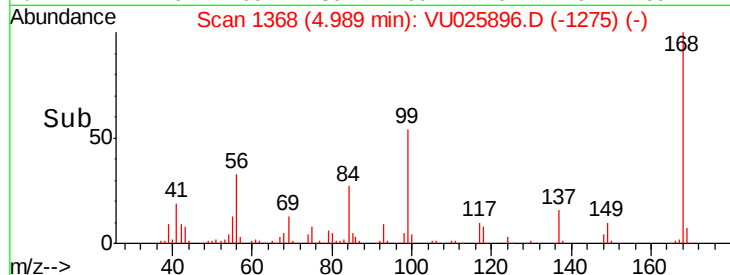
40000

20000

0

4.90 4.95 5.00 5.05 5.10

Time-->



#31

Cyclohexane

Concen: 23.43 ug/l

RT: 5.00 min Scan# 1372

Delta R.T. 0.00 min

Lab File: VU025896.D

Acq: 06 Aug 2018 19:15

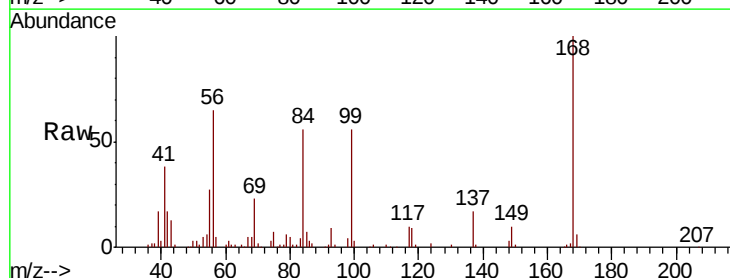
Tgt Ion: 56 Resp: 85755

Ion Ratio Lower Upper

56 100

69 35.3 26.8 40.2

84 85.5 69.7 104.5



Abundance Ion 56.00 (55.70 to 56.70): VU025879.D (-1351) (-)

Ion 69.00 (68.70 to 69.70): VU025879.D (-1351) (-)

Ion 84.00 (83.70 to 84.70): VU025879.D (-1351) (-)

5.00

40000

30000

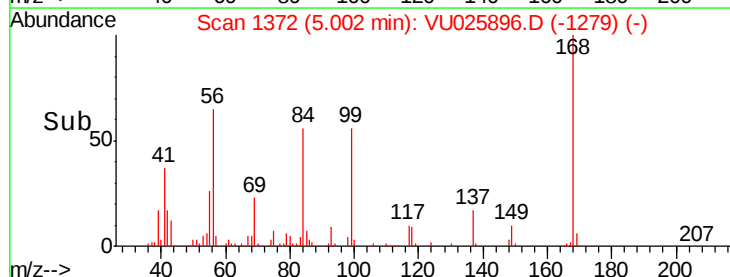
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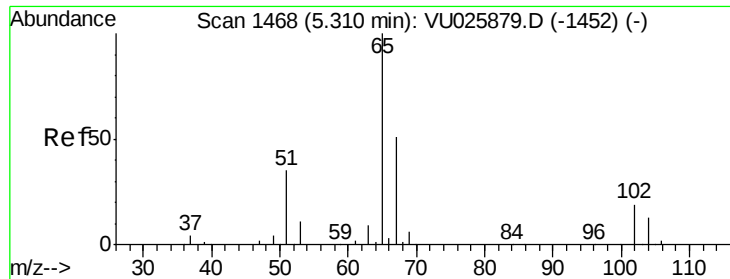
10000

0

4.90 4.95 5.00 5.05 5.10

Time-->

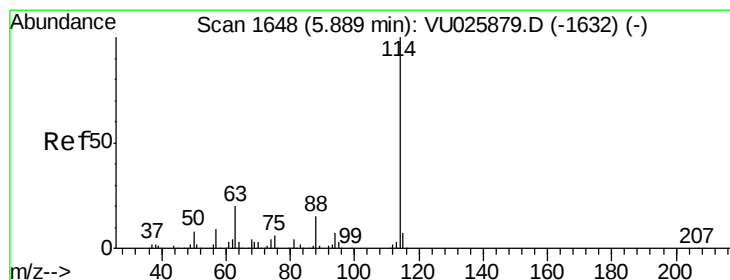
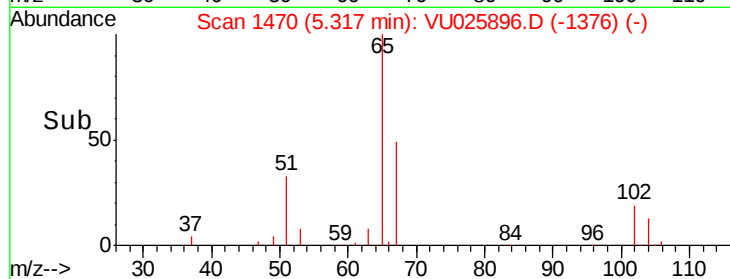
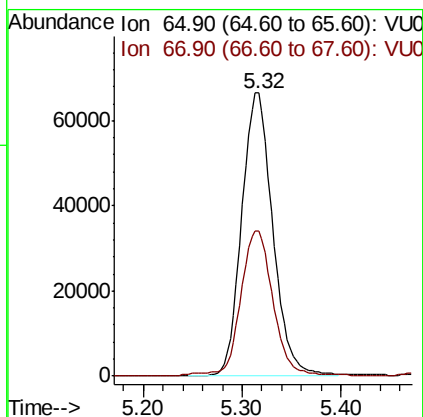
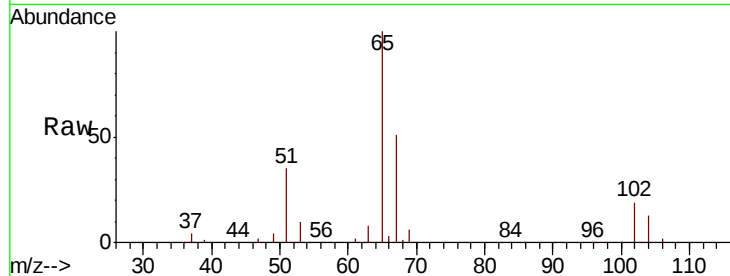




#33
 1,2-Dichloroethane-d4
 Concen: 52.11 ug/l
 RT: 5.32 min Scan# 1470
 Delta R.T. 0.00 min
 Lab File: VU025896.D
 Acq: 06 Aug 2018 19:15

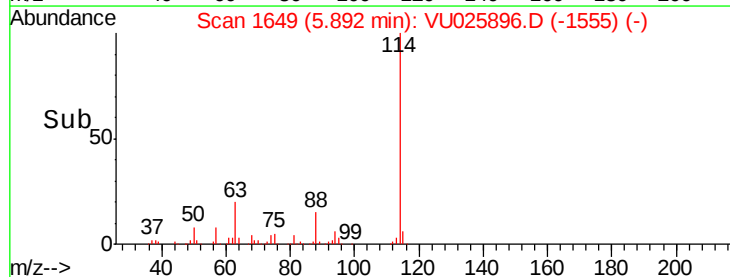
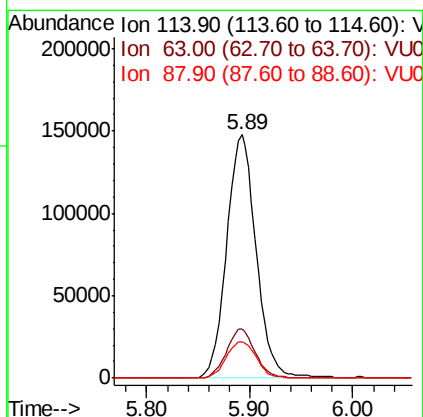
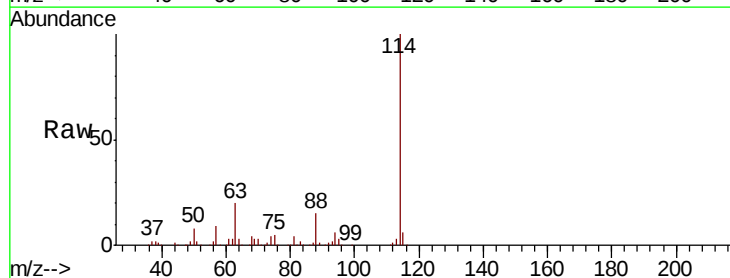
Instrument :
 MSVOA_U
 ClientSampleId :
 FL-0521

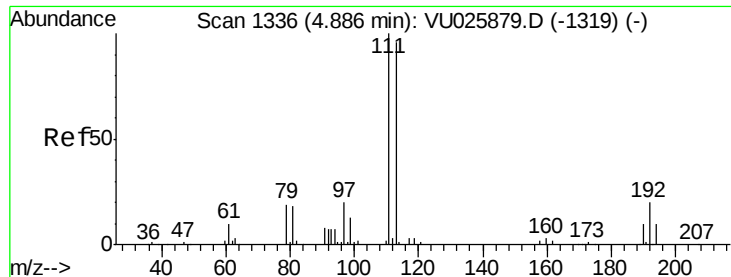
Tot Ion: 65 Resp: 145211
 Ion Ratio Lower Upper
 65 100
 67 51.1 0.0 103.6



#34
 1,4-Difluorobenzene
 Concen: 50.00 ug/l
 RT: 5.89 min Scan# 1649
 Delta R.T. 0.00 min
 Lab File: VU025896.D
 Acq: 06 Aug 2018 19:15

Tgt Ion: 114 Resp: 293920
 Ion Ratio Lower Upper
 114 100
 63 20.1 0.0 41.6
 88 14.9 0.0 32.4

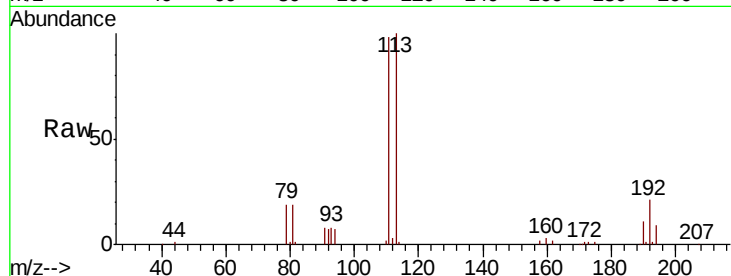




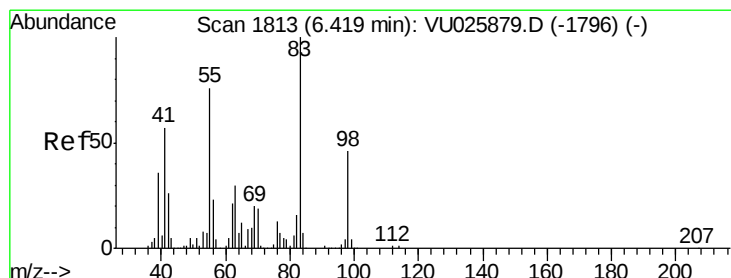
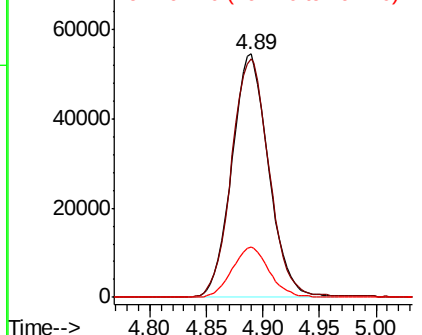
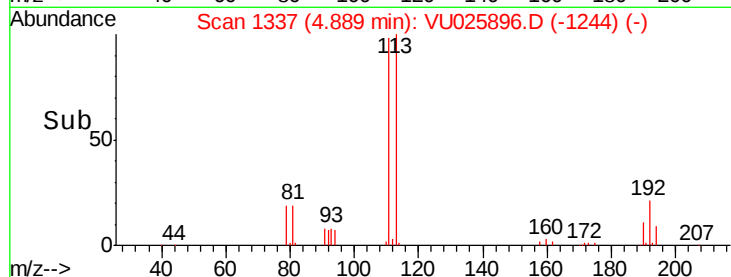
#35
 Dibromofluoromethane
 Concen: 48.29 ug/l
 RT: 4.89 min Scan# 1337
 Delta R.T. 0.00 min
 Lab File: VU025896.D
 Acq: 06 Aug 2018 19:15

Instrument :
 MSVOA_U
 ClientSampleId :
 FL-0521

Tot Ion	Ratio	Lower	Upper
113	100		
111	100.4	81.7	122.5
192	20.7	17.1	25.7

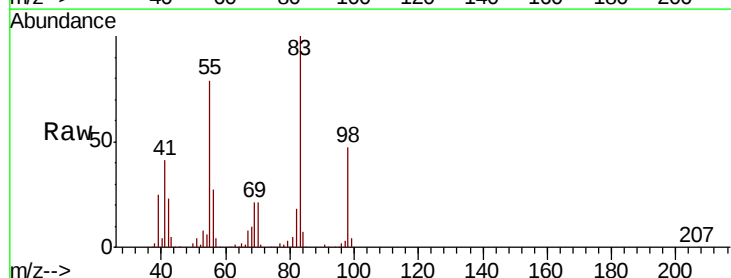


Abundance Ion 112.80 (112.50 to 113.50): V
 Ion 110.80 (110.50 to 111.50): V
 Ion 191.70 (191.40 to 192.40): V

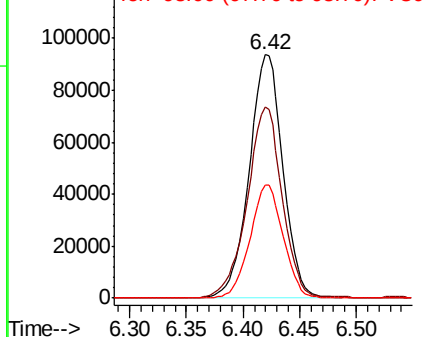
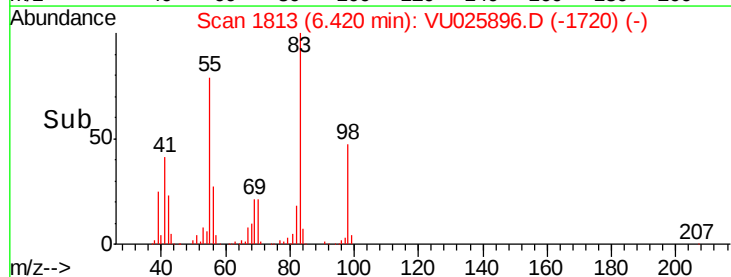


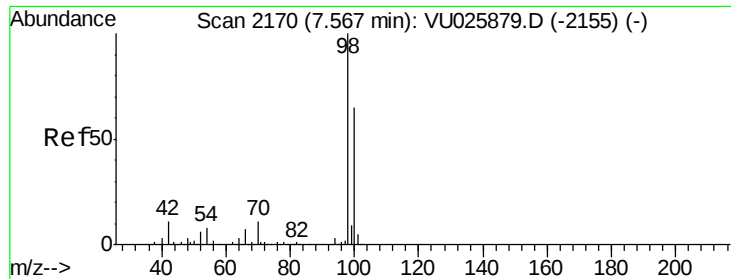
#39
 Methylcyclohexane
 Concen: 49.20 ug/l
 RT: 6.42 min Scan# 1813
 Delta R.T. 0.00 min
 Lab File: VU025896.D
 Acq: 06 Aug 2018 19:15

Tgt Ion	Ratio	Lower	Upper
83	100		
55	78.7	60.0	90.0
98	46.7	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: 48.37 ug/l

RT: 7.57 min Scan# 2171

Delta R.T. 0.00 min

Lab File: VU025896.D

Acq: 06 Aug 2018 19:15

Instrument :

MSVOA_U

ClientSampled :

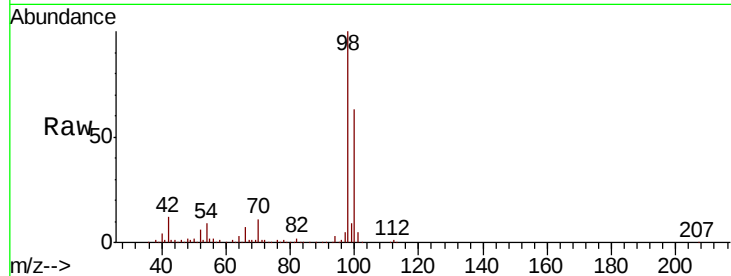
FL-0521

Tot Ion: 98 Resp: 432722

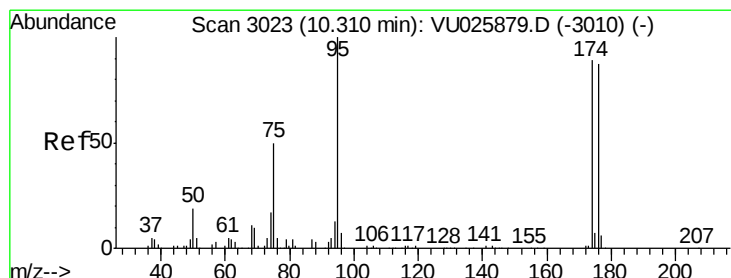
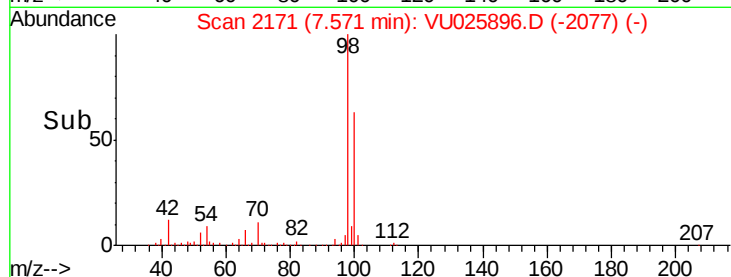
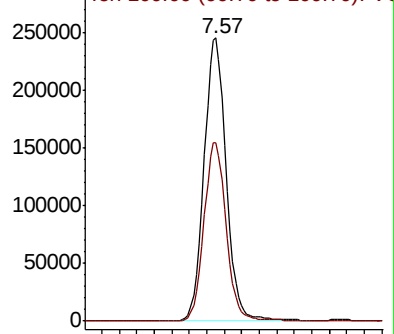
Ion Ratio Lower Upper

98 100

100 63.4 51.1 76.7



Abundance Ion 98.00 (97.70 to 98.70): VU025879.D (-2155) (-)



#62

4-Bromofluorobenzene

Concen: 46.92 ug/l

RT: 10.31 min Scan# 3023

Delta R.T. 0.00 min

Lab File: VU025896.D

Acq: 06 Aug 2018 19:15

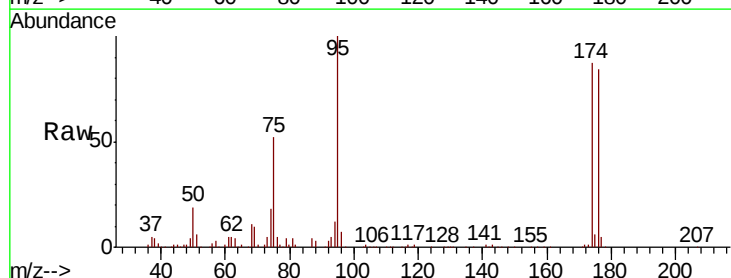
Tgt Ion: 95 Resp: 162921

Ion Ratio Lower Upper

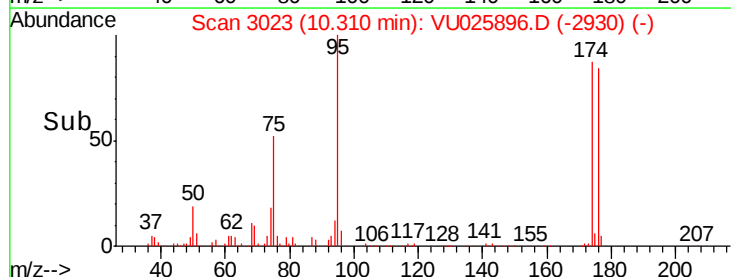
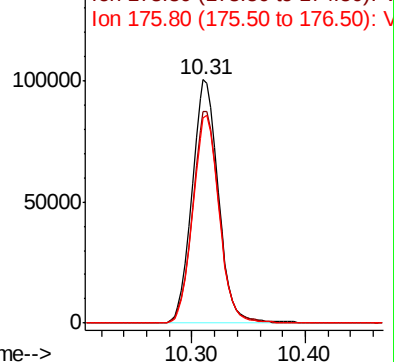
95 100

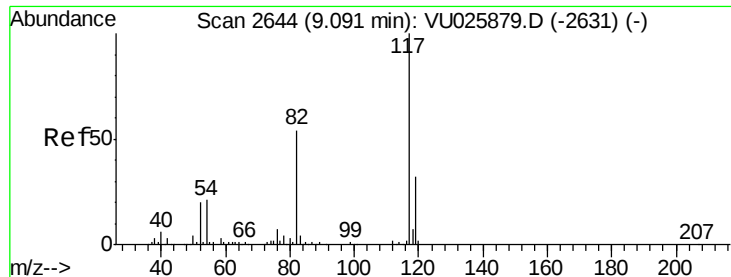
174 87.8 0.0 172.2

176 85.1 0.0 162.6



Abundance Ion 94.90 (94.60 to 95.60): VU025879.D (-3010) (-)

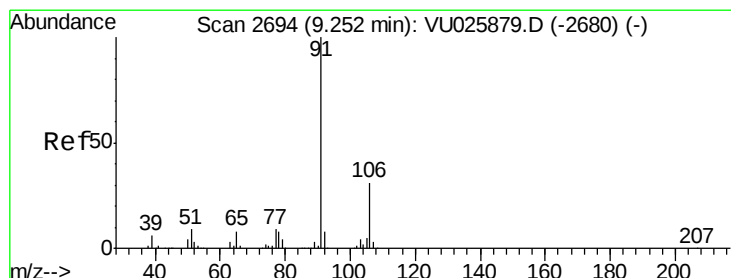
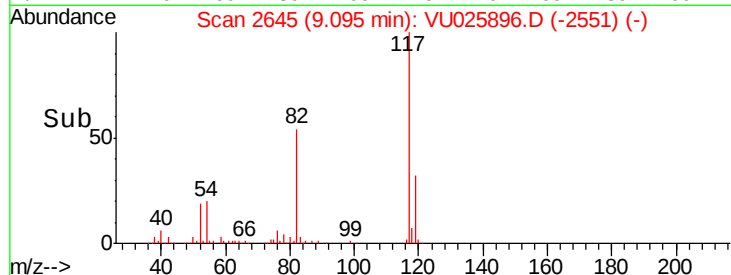
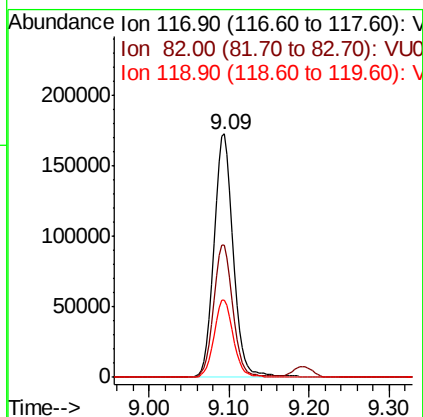
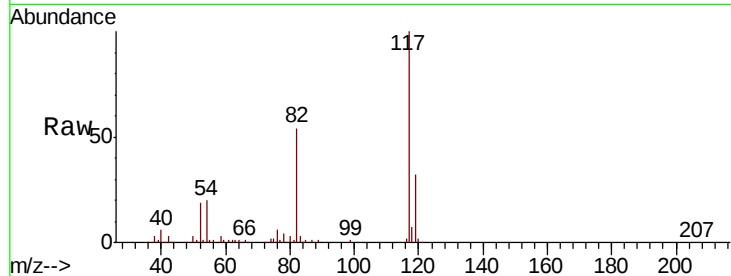




#63
Chlorobenzene-d5
Concen: 50.00 ug/l
RT: 9.09 min Scan# 2645
Delta R.T. 0.00 min
Lab File: VU025896.D
Acq: 06 Aug 2018 19:15

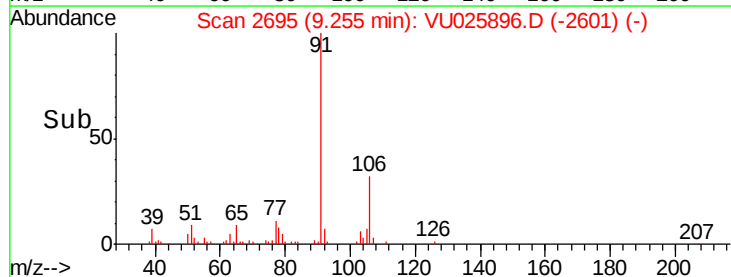
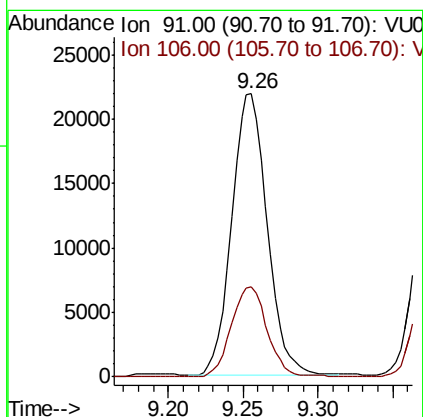
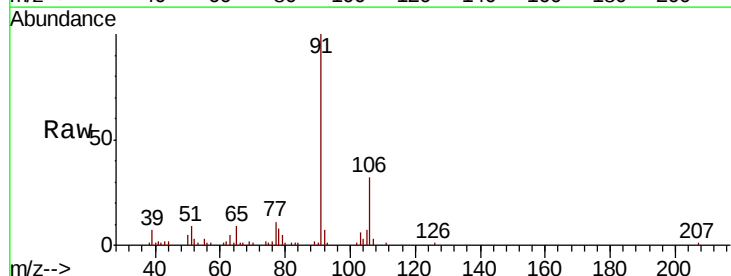
Instrument :
MSVOA_U
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FL-0521

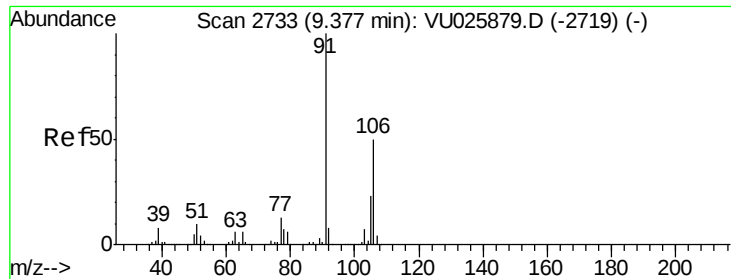
Tot Ion	Ratio	Lower	Upper
117	100		
82	54.1	46.0	69.0
119	31.7	26.0	39.0



#67
Ethyl Benzene
Concen: 2.93 ug/l
RT: 9.26 min Scan# 2695
Delta R.T. 0.00 min
Lab File: VU025896.D
Acq: 06 Aug 2018 19:15

Tgt Ion	Ratio	Lower	Upper
91	100		
106	31.9	25.3	37.9

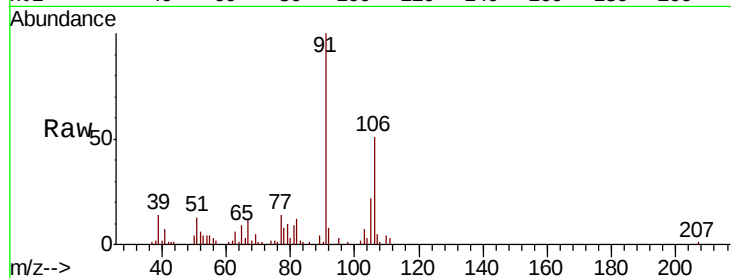




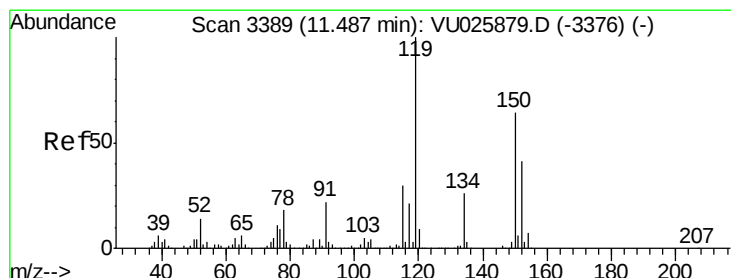
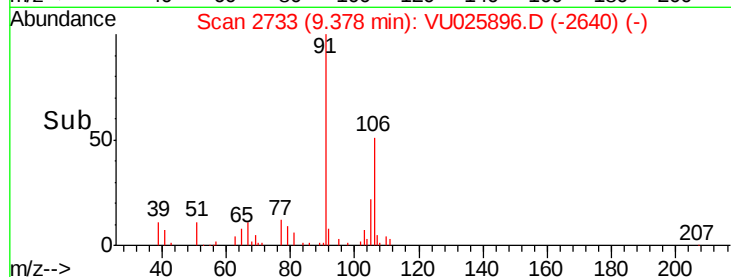
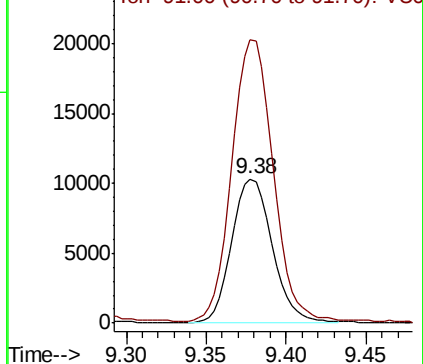
#68
m/p-Xvlenes
Concen: 3.77 ug/l
RT: 9.38 min Scan# 2733
Delta R.T. 0.00 min
Lab File: VU025896.D
Acq: 06 Aug 2018 19:15

Instrument :
MSVOA_U
ClientSampled :
FL-0521

Tot Ion:106 Resp: 17915
Ion Ratio Lower Upper
106 100
91 195.6 162.3 243.5

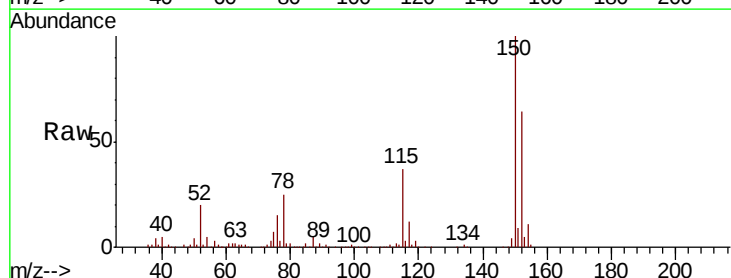


Abundance Ion 106.00 (105.70 to 106.70): V
Ion 91.00 (90.70 to 91.70): VU0

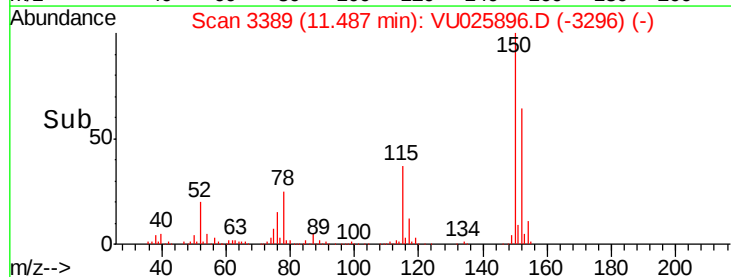
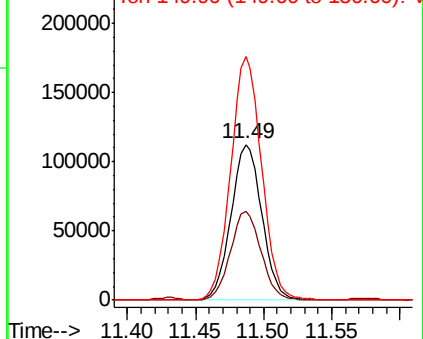


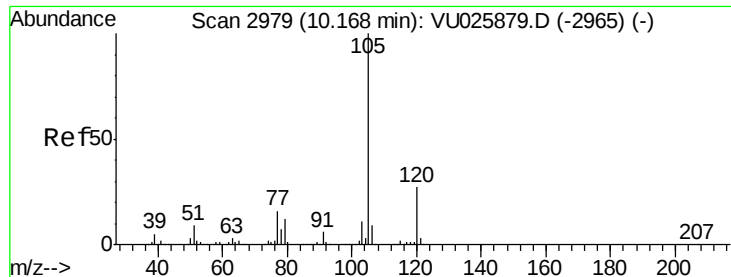
#72
1,4-Dichlorobenzene-d4
Concen: 50.00 ug/l
RT: 11.49 min Scan# 3389
Delta R.T. 0.00 min
Lab File: VU025896.D
Acq: 06 Aug 2018 19:15

Tgt Ion:152 Resp: 177055
Ion Ratio Lower Upper
152 100
115 56.0 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: 3.81 ug/l

RT: 10.17 min Scan# 2980

Delta R.T. 0.00 min

Lab File: VU025896.D

Acq: 06 Aug 2018 19:15

Instrument :

MSVOA_U

ClientSampled :

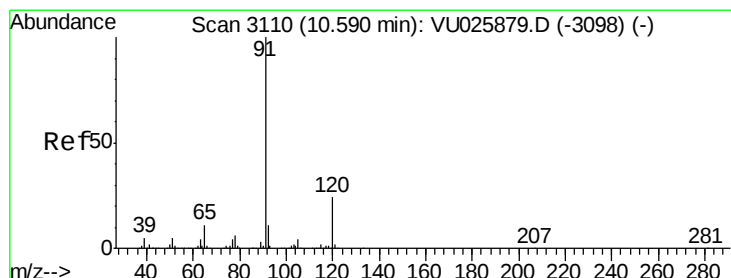
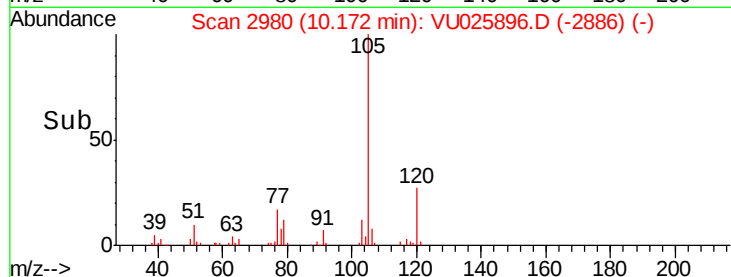
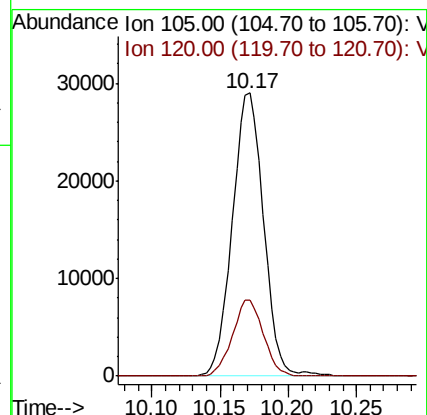
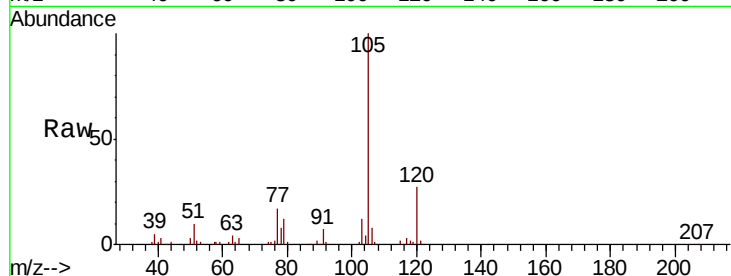
FL-0521

Tot Ion:105 Resp: 46084

Ion Ratio Lower Upper

105 100

120 26.6 13.5 40.5



#78

n-propylbenzene

Concen: 9.14 ug/l

RT: 10.59 min Scan# 3110

Delta R.T. 0.00 min

Lab File: VU025896.D

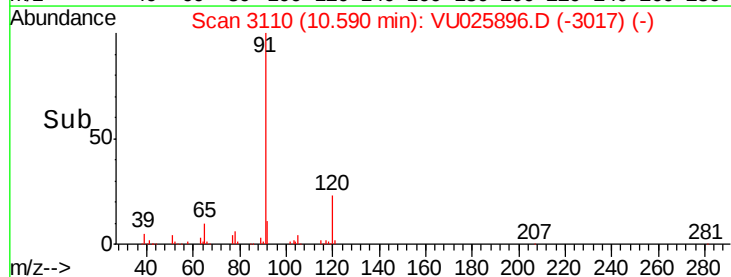
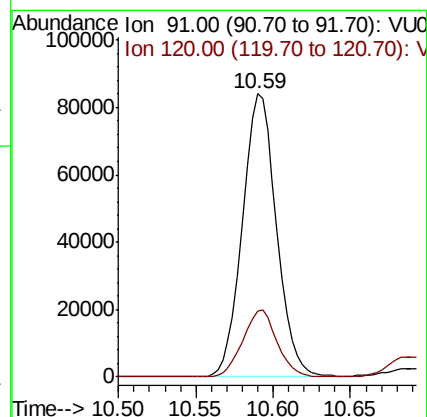
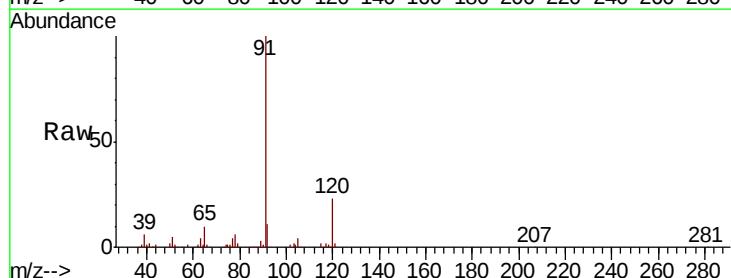
Acq: 06 Aug 2018 19:15

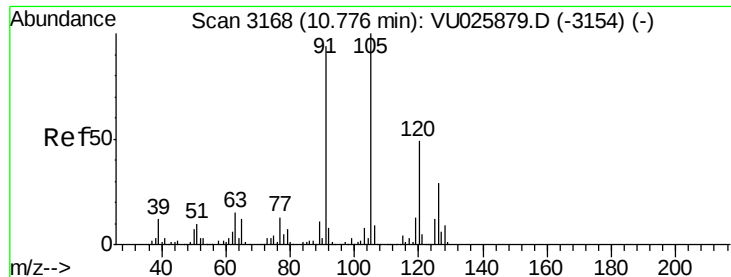
Tgt Ion: 91 Resp: 128882

Ion Ratio Lower Upper

91 100

120 23.6 11.8 35.3





#80

1,3,5-Trimethylbenzene

Concen: 7.93 ug/l

RT: 10.78 min Scan# 3168

Delta R.T. 0.00 min

Lab File: VU025896.D

Acq: 06 Aug 2018 19:15

Instrument :

MSVOA_U

ClientSampleId :

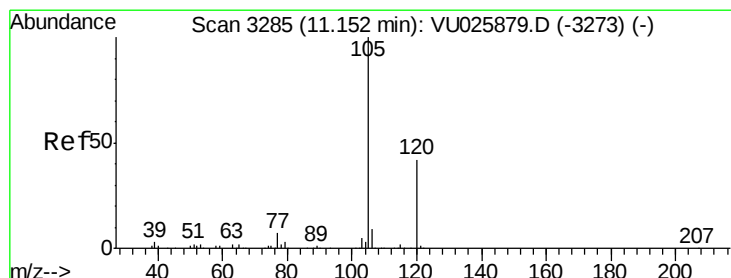
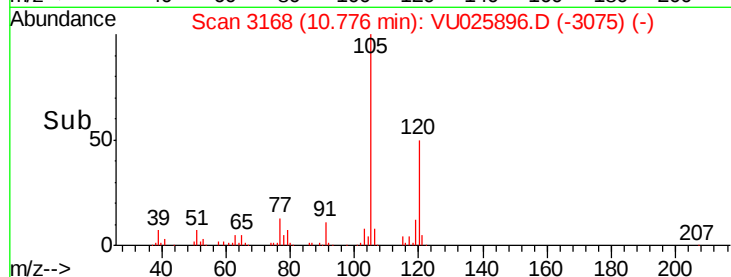
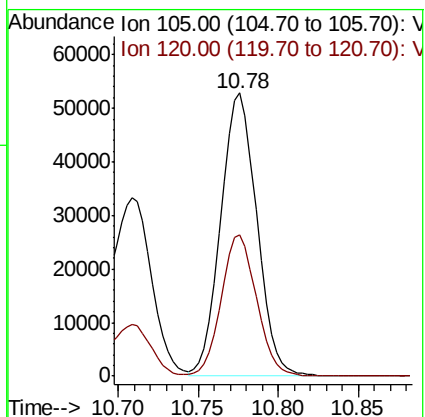
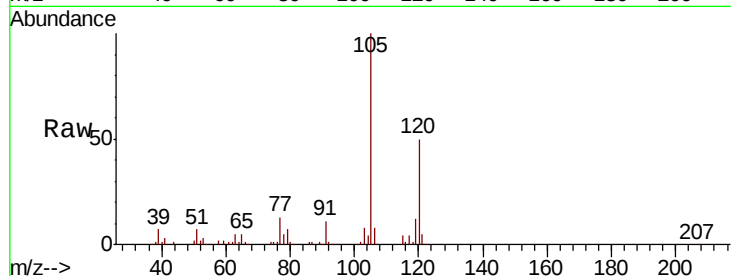
FL-0521

Tot Ion:105 Resp: 81363

Ion Ratio Lower Upper

105 100

120 49.1 24.1 72.2



#84

1,2,4-Trimethylbenzene

Concen: 20.74 ug/l

RT: 11.15 min Scan# 3285

Delta R.T. 0.00 min

Lab File: VU025896.D

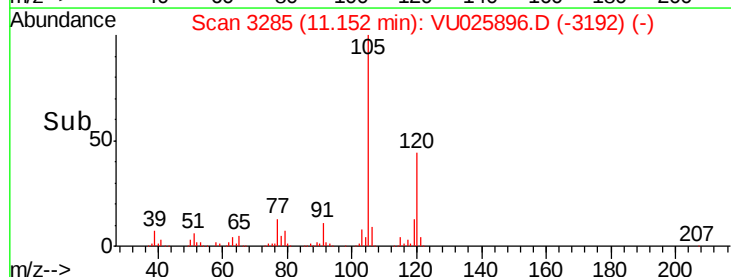
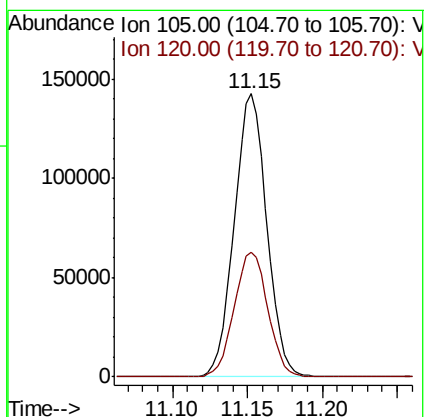
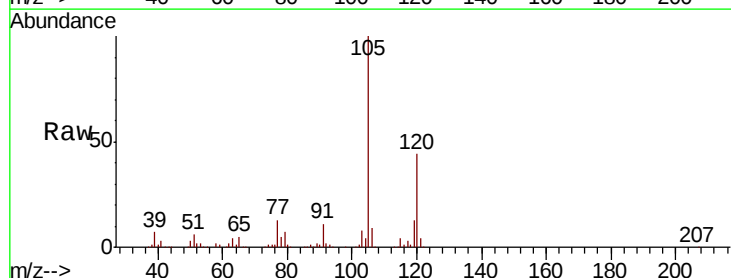
Acq: 06 Aug 2018 19:15

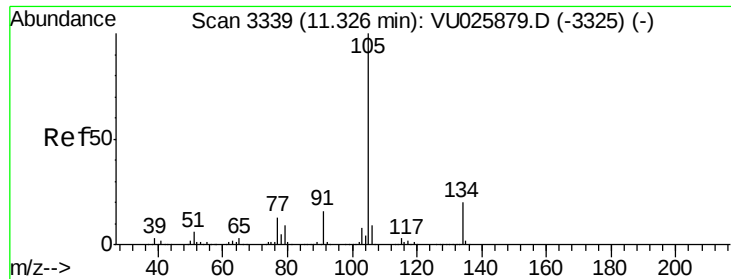
Tgt Ion:105 Resp: 215696

Ion Ratio Lower Upper

105 100

120 45.7 22.3 66.8





#85

sec-Butylbenzene

Concen: 4.01 ug/l

RT: 11.33 min Scan# 3339

Delta R.T. 0.00 min

Lab File: VU025896.D

Acq: 06 Aug 2018 19:15

Instrument :

MSVOA_U

ClientSampleId :

FL-0521

Tot Ion:105 Resp: 49978

Ion Ratio Lower Upper

105 100

134 21.5 10.3 30.8

