

Data Path : Z:\VOASRV\HPCHEM1\MSVOA U\DATA\VU072718\
 Data File : VU025688.D
 Acq On : 27 Jul 2018 23:31
 Operator : MD/SY
 Sample : J4154-06DL 20X
 Misc : 5.0mL/MSVOA U/WATER
 ALS Vial : 34 Sample Multiplier: 1

Instrument :
 MSVOA_U
 ClientSampleId :
 FL-0507DL

Manual Integrations
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 7/31/2018 3:50:03 PM

Quant Time: Jul 30 08:53:20 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	172979	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	5.89	114	268481	50.00	ug/l	0.00
63) Chlorobenzene-d5	9.09	117	262271	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	11.49	152	157917	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	131157	48.66	ug/l	0.00
Spiked Amount 50.000			Recovery	=	97.32%	
35) Dibromofluoromethane	4.89	113	111044	47.55	ug/l	0.00
Spiked Amount 50.000			Recovery	=	95.10%	
50) Toluene-d8	7.57	98	387241	47.39	ug/l	0.00
Spiked Amount 50.000			Recovery	=	94.78%	
62) 4-Bromofluorobenzene	10.31	95	151277	47.70	ug/l	0.00
Spiked Amount 50.000			Recovery	=	95.40%	

Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
31) Cyclohexane	5.00	56	21071	4.91	ug/l	# 91
39) Methylcyclohexane	6.42	83	12712	3.54	ug/l	95
40) Benzene	5.39	78	253287	27.62	ug/l	97
52) Toluene	7.64	92	16262	2.85	ug/l	100
67) Ethyl Benzene	9.26	91	117805	10.52	ug/l	100
68) m/p-Xylenes	9.38	106	209755	48.78	ug/l	99
69) o-Xylene	9.78	106	40881	9.73	ug/l	96
73) Isopropylbenzene	10.17	105	14140	1.31	ug/l	99
78) n-propylbenzene	10.59	91	15022	1.19	ug/l	99
80) 1,3,5-Trimethylbenzene	10.78	105	30077	3.29	ug/l	100
84) 1,2,4-Trimethylbenzene	11.15	105	91713	9.89	ug/l	99
95) Naphthalene	13.75	128	47909	5.23	ug/l	98

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

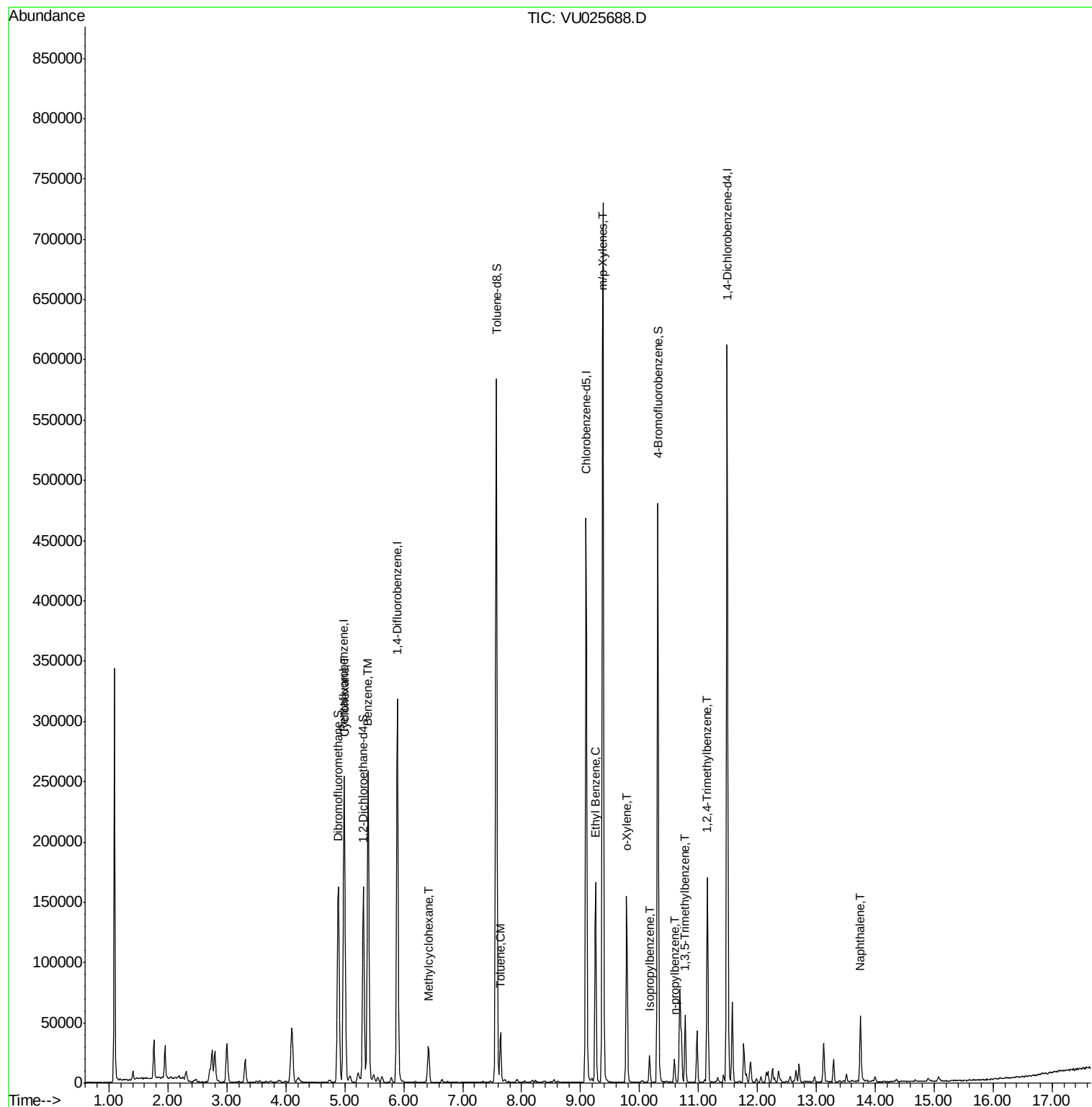
Data Path : Z:\V0ASRV\HPCHEM1\MSVOA U\DATA\VU072718\
Data File : VU025688.D
Acq On : 27 Jul 2018 23:31
Operator : MD/SY
Sample : J4154-06DL 20X
Misc : 5.0mL/MSVOA U/WATER
ALS Vial : 34 Sample Multiplier: 1

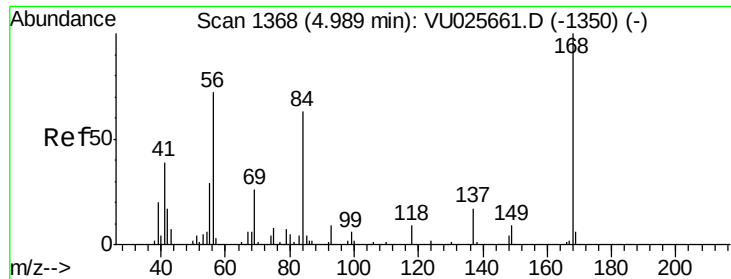
Instrument :
MSVOA_U
ClientSampleId :
FL-0507DL

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Quant Time: Jul 30 08:53:20 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: VU025688.D

Acq: 27 Jul 2018 23:31

Instrument :

MSVOA_U

ClientSampled :

FL-0507DL

Tot Ion:168 Resp: 172979

Ion Ratio Lower Upper

168 100

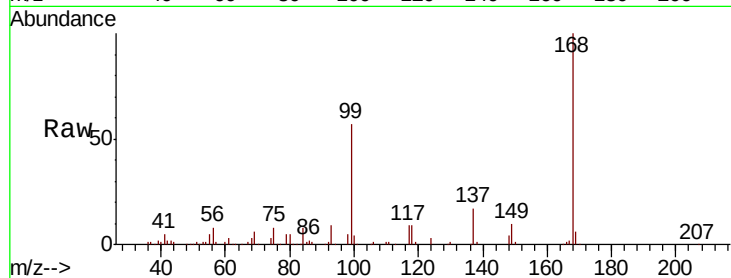
99 56.7 42.8 64.2

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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

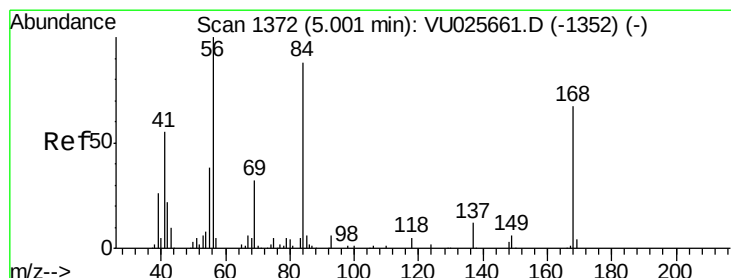
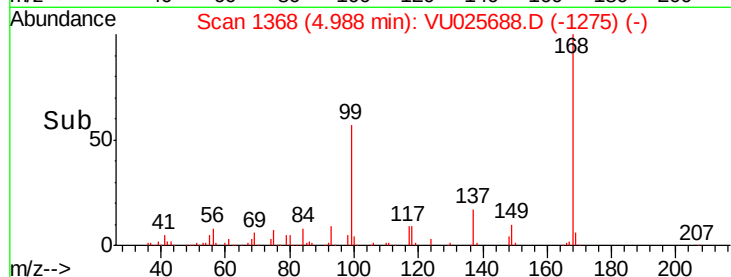
40000

20000

0

Time-->

4.90 5.00 5.10



#31

Cyclohexane

Concen: 4.91 ug/l

RT: 5.00 min Scan# 1372

Delta R.T. 0.00 min

Lab File: VU025688.D

Acq: 27 Jul 2018 23:31

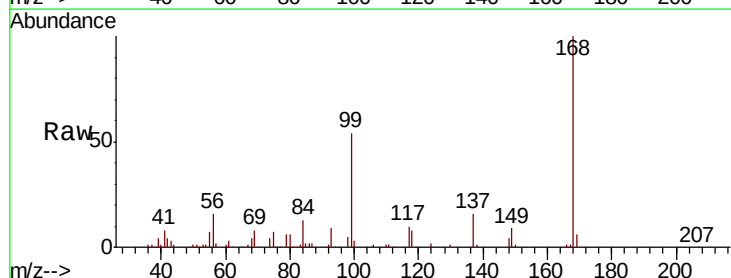
Tgt Ion: 56 Resp: 21071

Ion Ratio Lower Upper

56 100

69 49.1 26.8 40.2#

84 85.0 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

10000

8000

6000

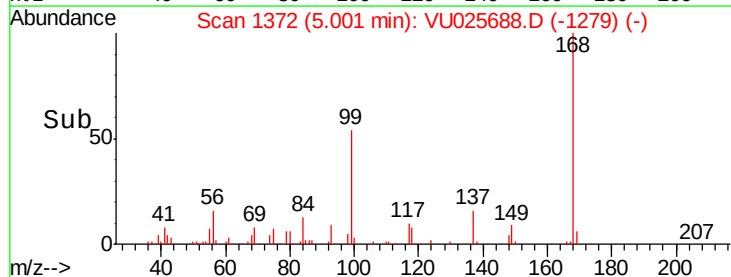
4000

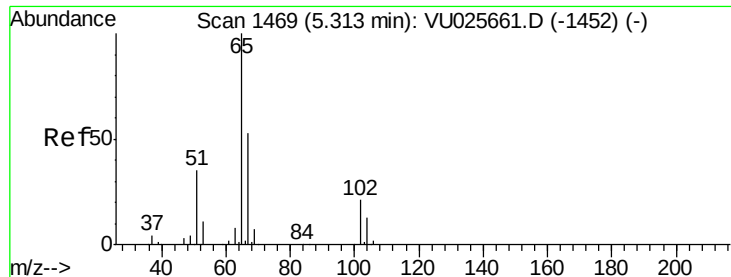
2000

0

Time-->

4.90 4.95 5.00 5.05





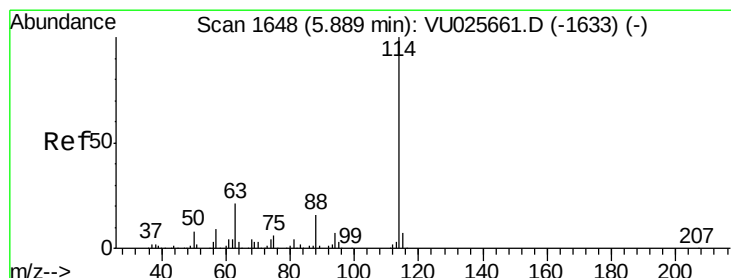
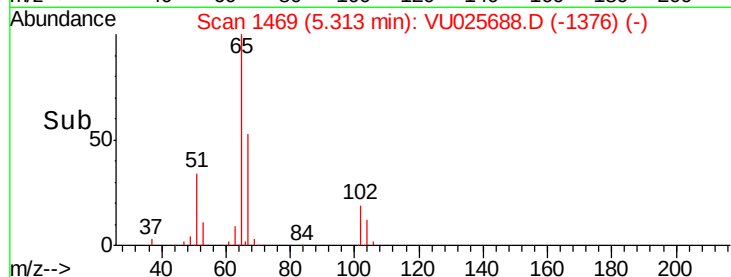
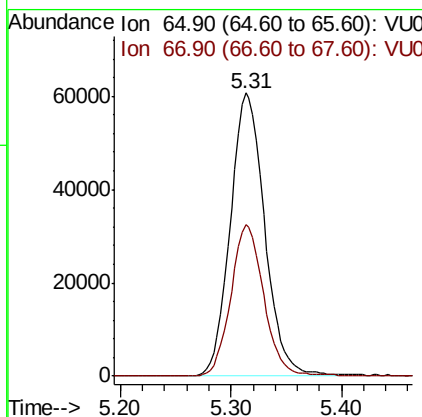
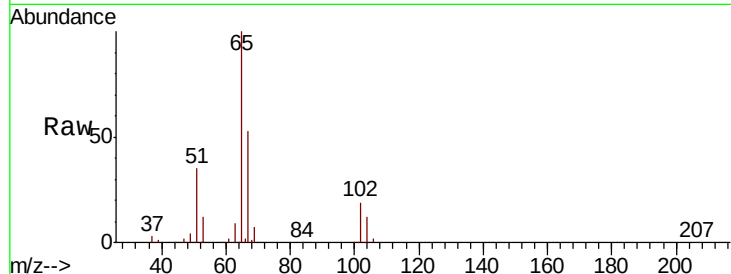
#33
 1,2-Dichloroethane-d4
 Concen: 48.66 ug/l
 RT: 5.31 min Scan# 1469
 Delta R.T. 0.00 min
 Lab File: VU025688.D
 Acq: 27 Jul 2018 23:31

Instrument :
 MSVOA_U
 ClientSampleId :
 FL-0507DL

Tot Ion	Ratio	Resp	Lower	Upper
65	100	131157		
67	51.6	0.0	103.6	

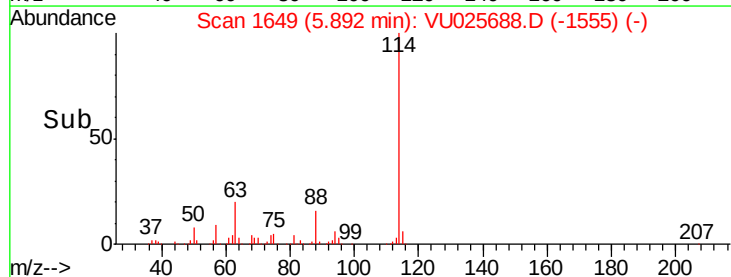
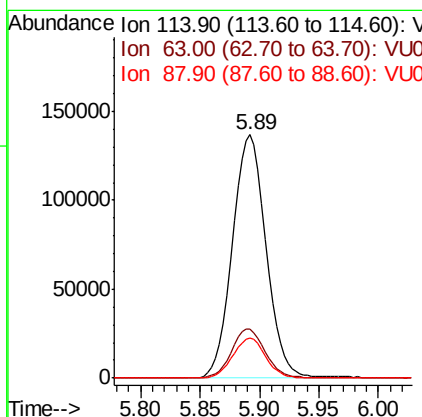
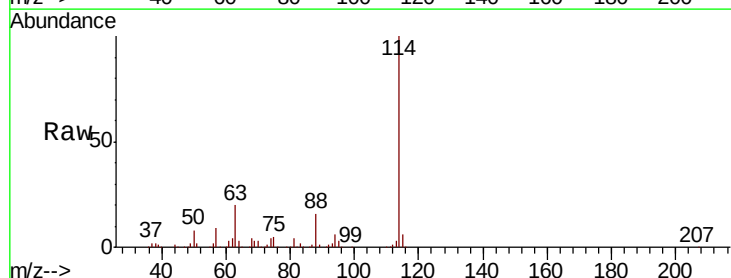
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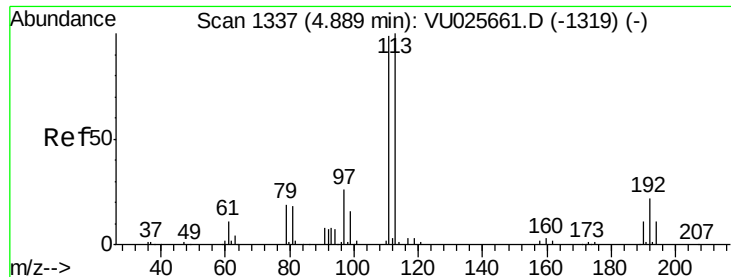
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#34
 1,4-Difluorobenzene
 Concen: 50.00 ug/l
 RT: 5.89 min Scan# 1649
 Delta R.T. 0.00 min
 Lab File: VU025688.D
 Acq: 27 Jul 2018 23:31

Tgt Ion	Ratio	Resp	Lower	Upper
114	100	268481		
63	20.2	0.0	41.6	
88	16.4	0.0	32.4	





#35

Dibromofluoromethane

Concen: 47.55 ug/l

RT: 4.89 min Scan# 1337

Delta R.T. -0.00 min

Lab File: VU025688.D

Acq: 27 Jul 2018 23:31

Instrument :

MSVOA_U

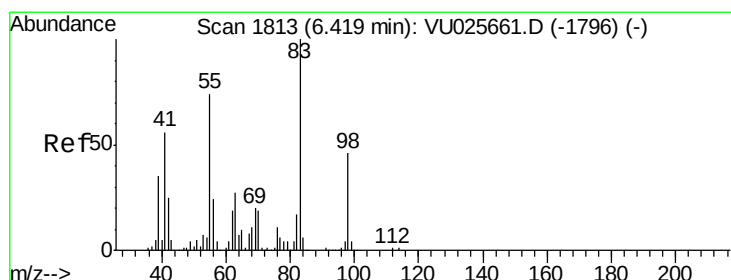
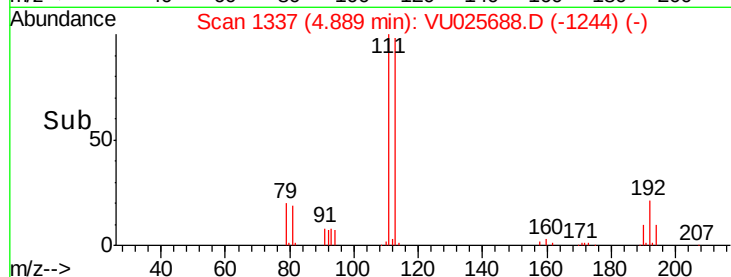
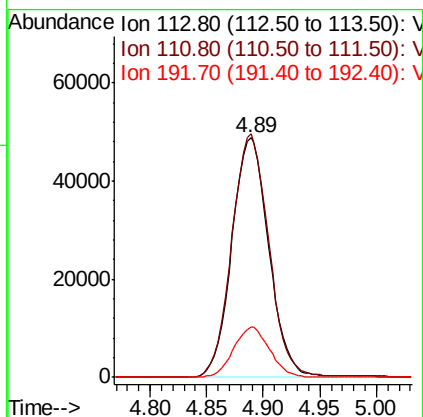
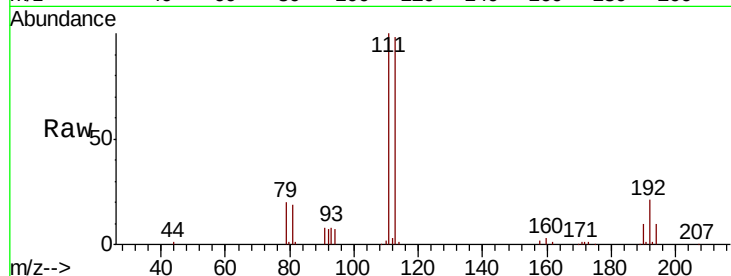
ClientSampleId :

FL-0507DL

Tot Ion:	113	Resp:	111044
Ion Ratio	Lower	Upper	
113	100		
111	101.8	81.7	122.5
192	20.5	17.1	25.7

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#39

Methylcyclohexane

Concen: 3.54 ug/l

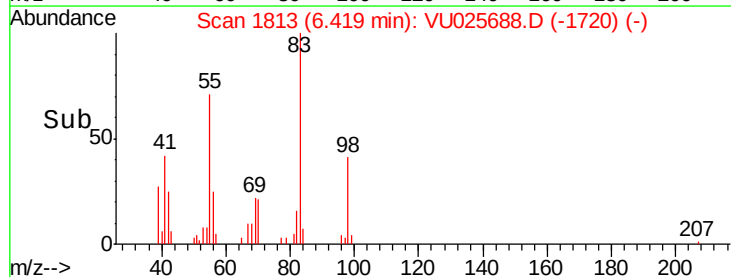
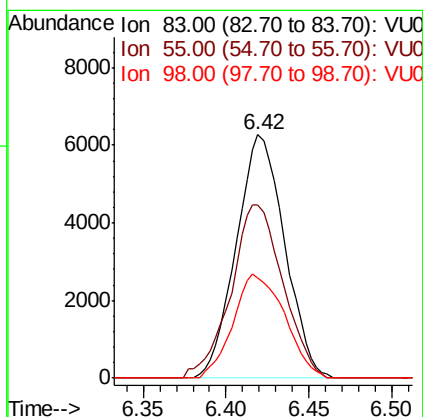
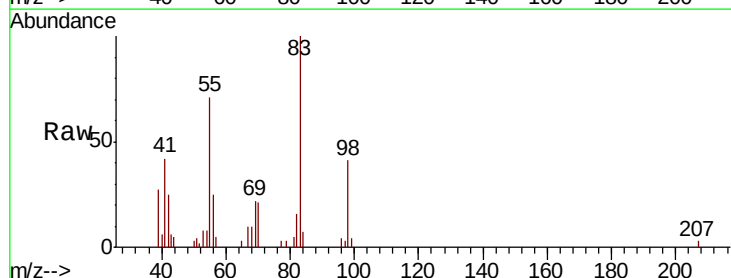
RT: 6.42 min Scan# 1813

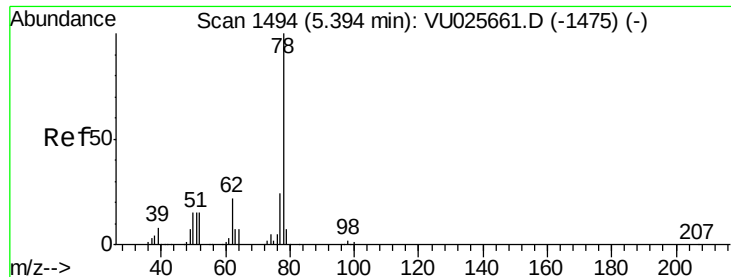
Delta R.T. 0.00 min

Lab File: VU025688.D

Acq: 27 Jul 2018 23:31

Tgt Ion:	83	Resp:	12712
Ion Ratio	Lower	Upper	
83	100		
55	71.3	60.0	90.0
98	41.3	36.1	54.1





#40

Benzene

Concen: 27.62 ug/l

RT: 5.39 min Scan# 1494

Delta R.T. 0.00 min

Lab File: VU025688.D

Acq: 27 Jul 2018 23:31

Instrument :

MSVOA_U

ClientSampled :

FL-0507DL

Tot Ion: 78 Resp: 253287

Ion Ratio Lower Upper

78 100

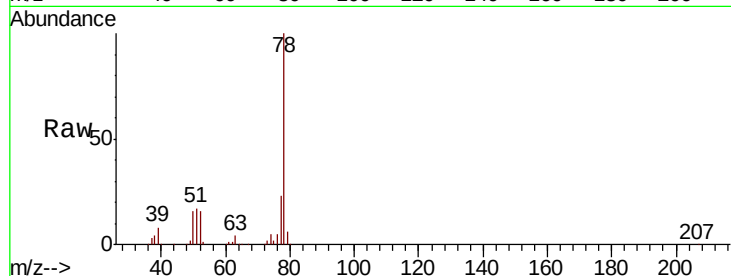
77 23.3 19.8 29.6

Manual Integrations

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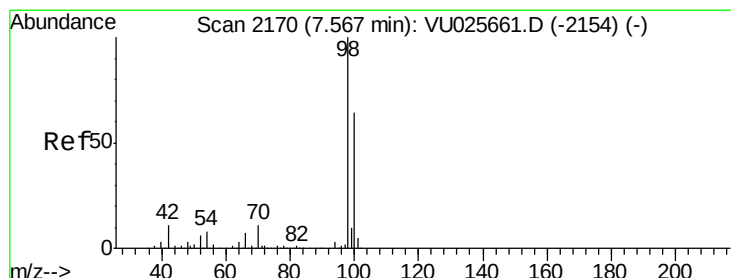
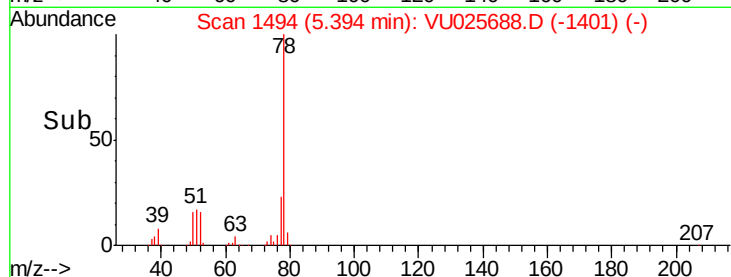
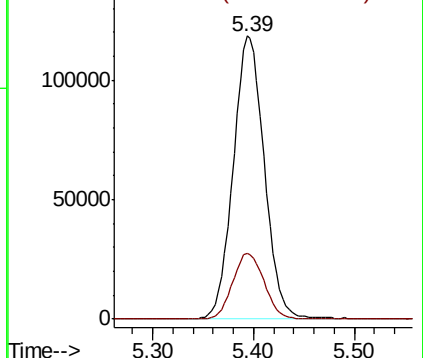
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Abundance Ion 78.00 (77.70 to 78.70): VU0

Ion 77.00 (76.70 to 77.70): VU0



#50

Toluene-d8

Concen: 47.39 ug/l

RT: 7.57 min Scan# 2171

Delta R.T. 0.00 min

Lab File: VU025688.D

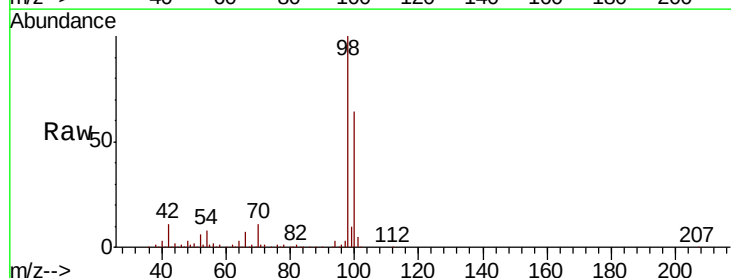
Acq: 27 Jul 2018 23:31

Tgt Ion: 98 Resp: 387241

Ion Ratio Lower Upper

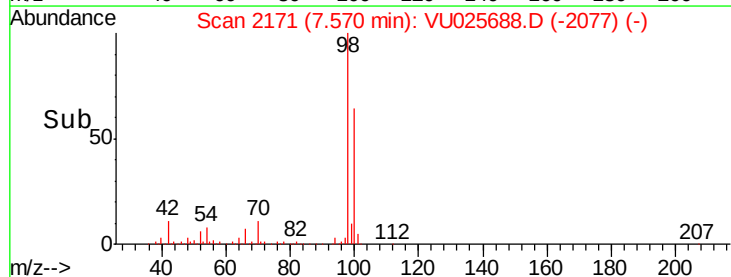
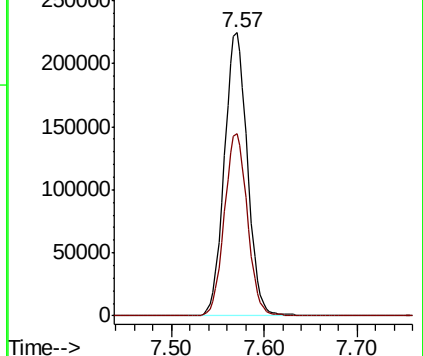
98 100

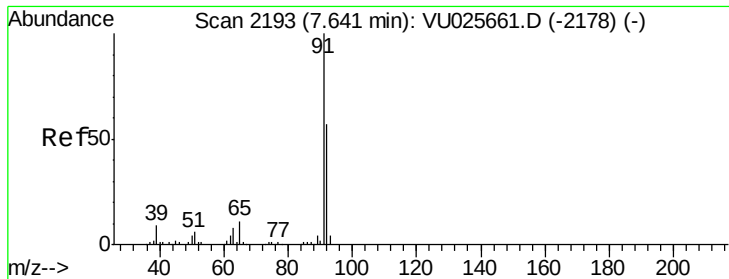
100 64.3 51.1 76.7



Abundance Ion 98.00 (97.70 to 98.70): VU0

Ion 100.00 (99.70 to 100.70): VU0





#52

Toluene

Concen: 2.85 ug/l

RT: 7.64 min Scan# 2194

Delta R.T. 0.00 min

Lab File: VU025688.D

Acq: 27 Jul 2018 23:31

Instrument :

MSVOA_U

ClientSampleId :

FL-0507DL

Tot Ion: 92 Resp: 16262

Ion Ratio Lower Upper

92 100

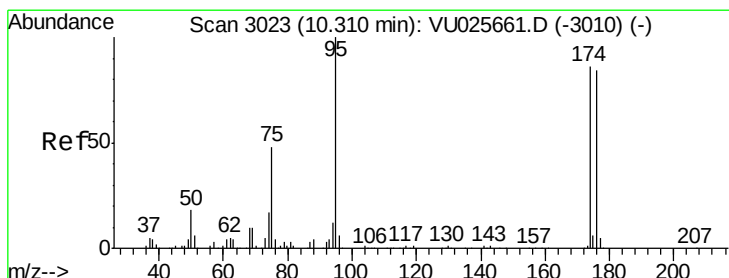
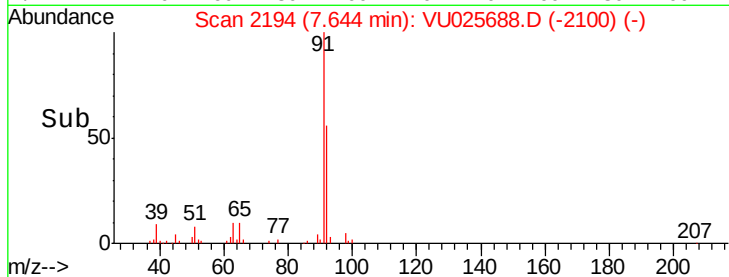
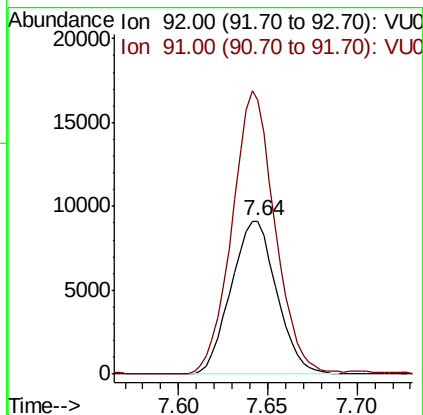
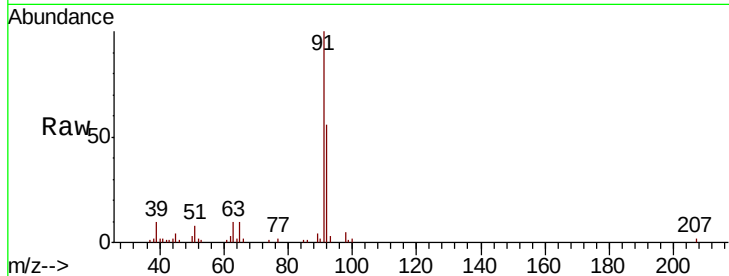
91 174.0 139.2 208.8

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#62

4-Bromofluorobenzene

Concen: 47.70 ug/l

RT: 10.31 min Scan# 3023

Delta R.T. 0.00 min

Lab File: VU025688.D

Acq: 27 Jul 2018 23:31

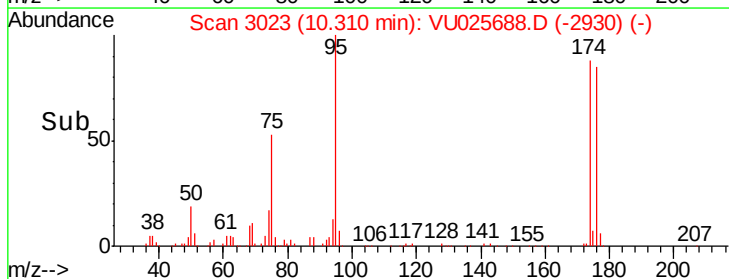
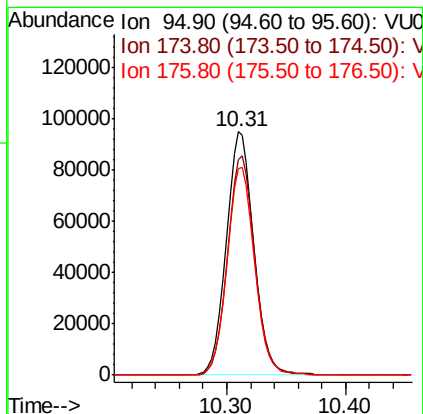
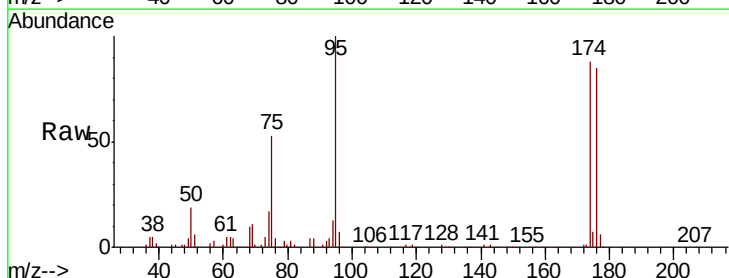
Tgt Ion: 95 Resp: 151277

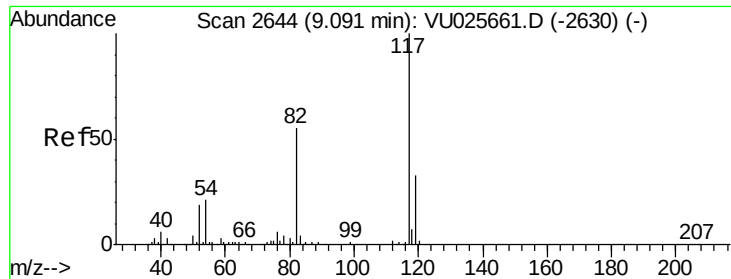
Ion Ratio Lower Upper

95 100

174 89.5 0.0 172.2

176 85.7 0.0 162.6





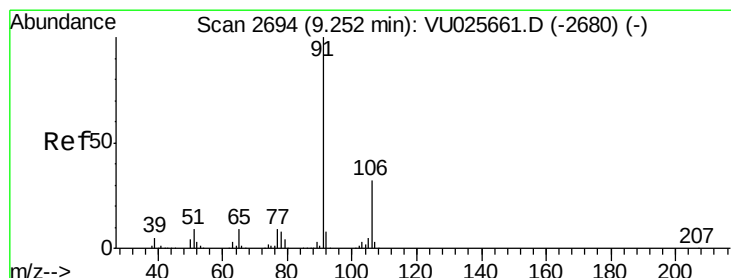
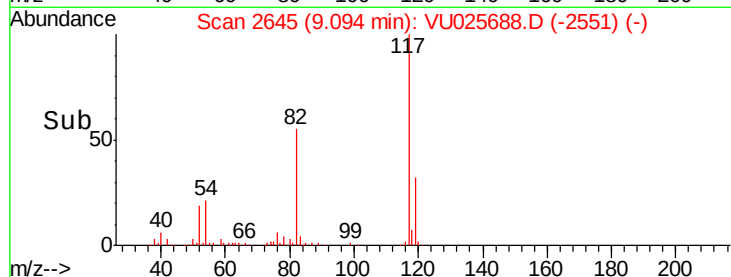
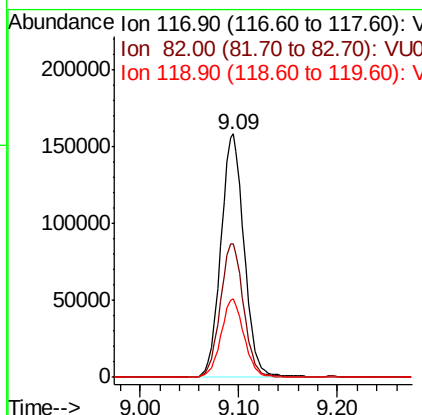
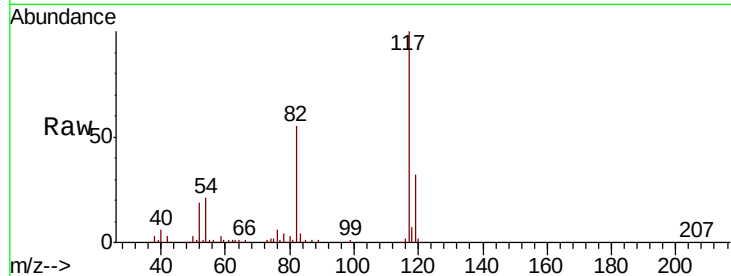
#63
Chlorobenzene-d5
Concen: 50.00 ug/l
RT: 9.09 min Scan# 2645
Delta R.T. 0.00 min
Lab File: VU025688.D
Acq: 27 Jul 2018 23:31

Instrument :
MSVOA_U
ClientSampleId :
FL-0507DL

Tot Ion	Ratio	Resp	Lower	Upper
117	100	262271		
82	54.8	46.0	69.0	
119	32.2	26.0	39.0	

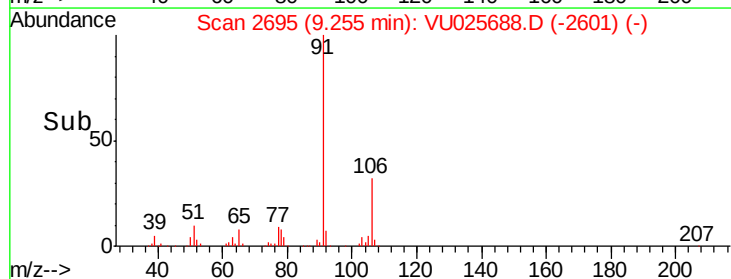
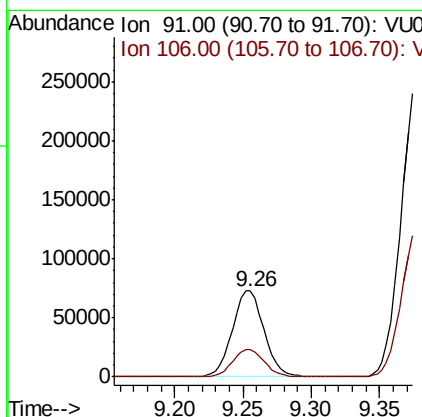
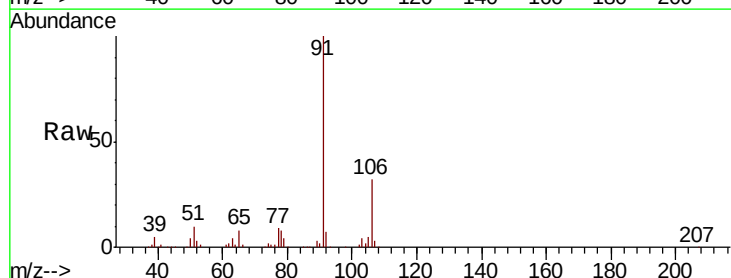
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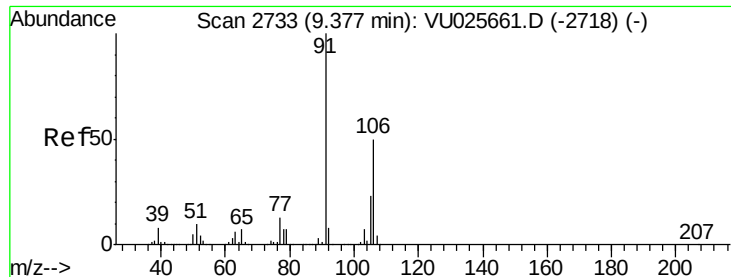
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#67
Ethyl Benzene
Concen: 10.52 ug/l
RT: 9.26 min Scan# 2695
Delta R.T. 0.00 min
Lab File: VU025688.D
Acq: 27 Jul 2018 23:31

Tgt Ion	Ratio	Resp	Lower	Upper
91	100	117805		
106	31.8	25.3	37.9	





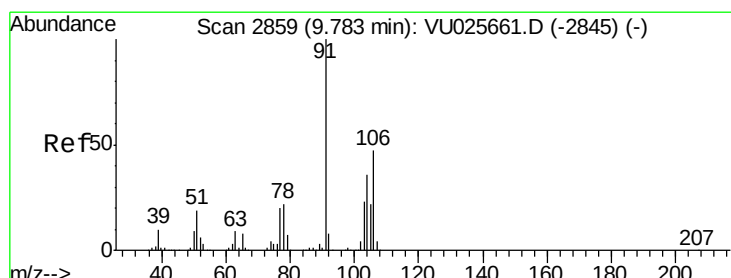
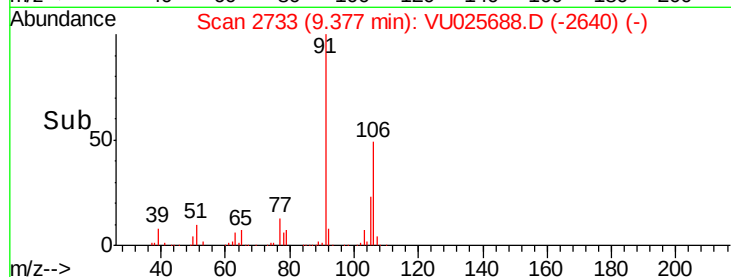
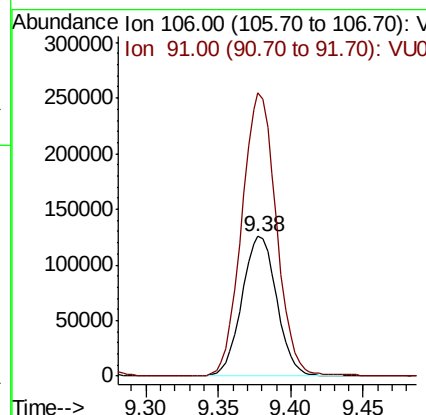
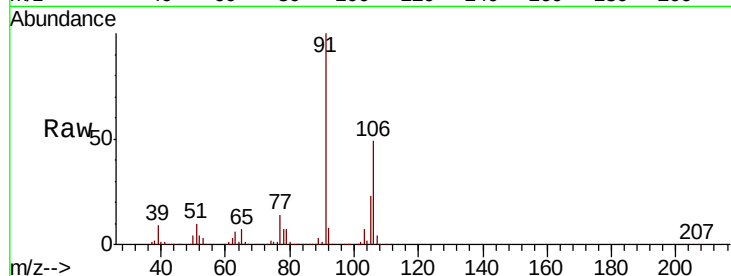
#68
m/p-Xylenes
Concen: 48.78 ug/l
RT: 9.38 min Scan# 2733
Delta R.T. -0.00 min
Lab File: VU025688.D
Acq: 27 Jul 2018 23:31

Instrument :
MSVOA_U
ClientSampled :
FL-0507DL

Tot Ion	Ion	Ratio	Resp	Lower	Upper
106	100		209755		
91	201.4	162.3	243.5		

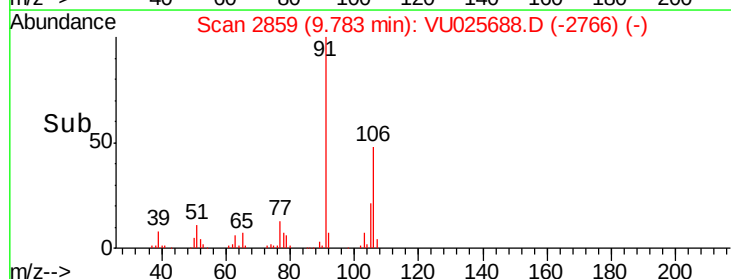
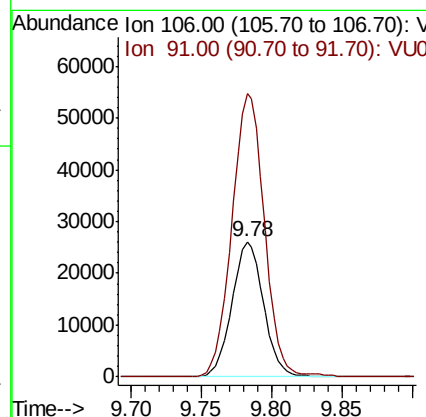
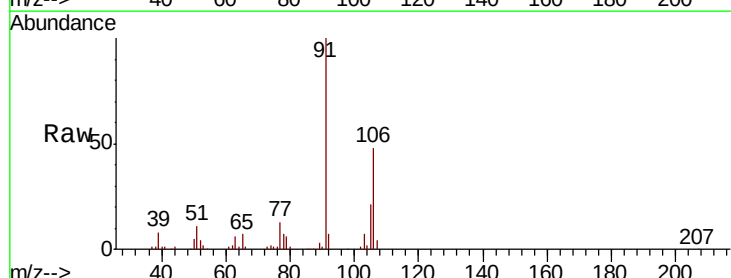
Manual Integrations
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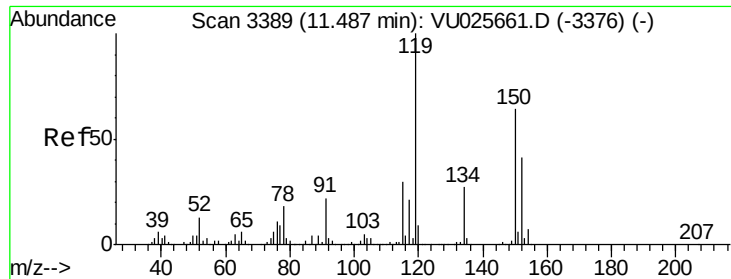
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7/31/2018 3:50:03 PM



#69
o-Xylene
Concen: 9.73 ug/l
RT: 9.78 min Scan# 2859
Delta R.T. -0.00 min
Lab File: VU025688.D
Acq: 27 Jul 2018 23:31

Tgt Ion	Ion	Ratio	Resp	Lower	Upper
106	100		40881		
91	216.0	105.3	315.8		





#72

1,4-Dichlorobenzene-d4

Concen: 50.00 ug/l

RT: 11.49 min Scan# 3389

Delta R.T. 0.00 min

Lab File: VU025688.D

Acq: 27 Jul 2018 23:31

Instrument :

MSVOA_U

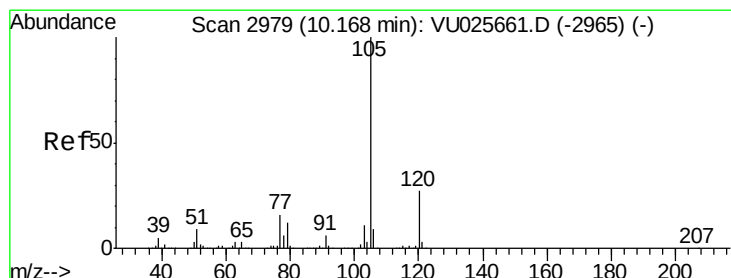
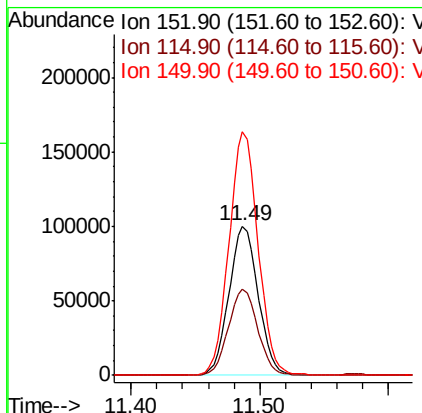
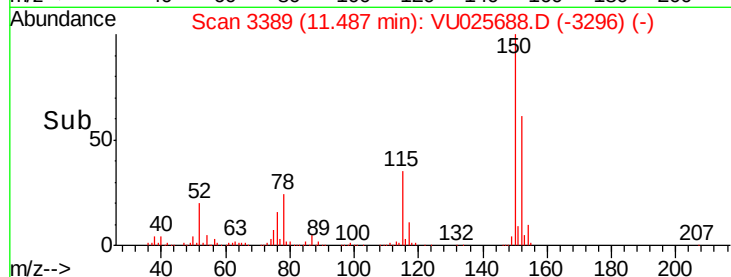
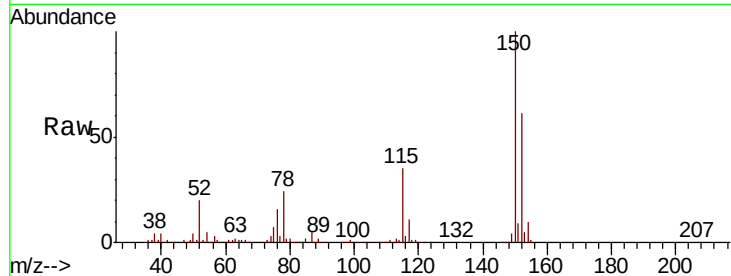
ClientSampled :

FL-0507DL

Tot Ion	Ratio	Resp	Lower	Upper
152	100	157917		
115	57.7	40.1	120.3	
150	161.5	0.0	351.4	

Manual Integrations
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#73

Isopropylbenzene

Concen: 1.31 ug/l

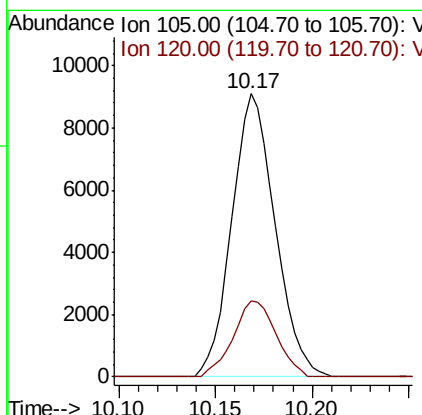
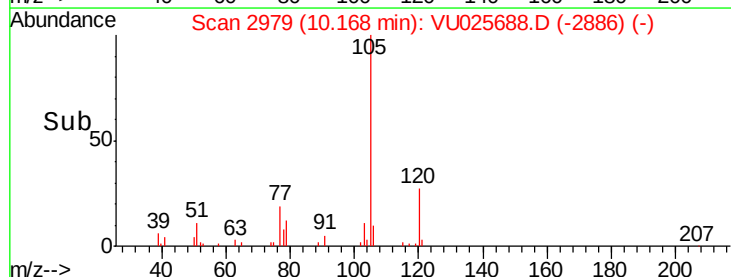
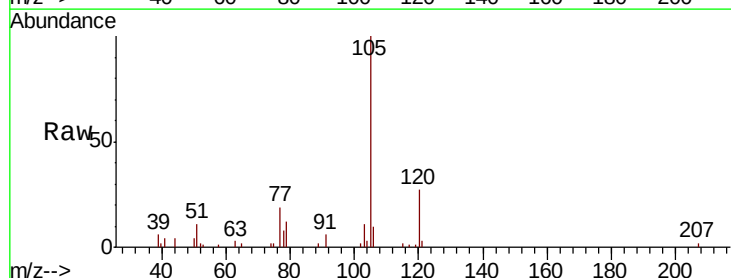
RT: 10.17 min Scan# 2979

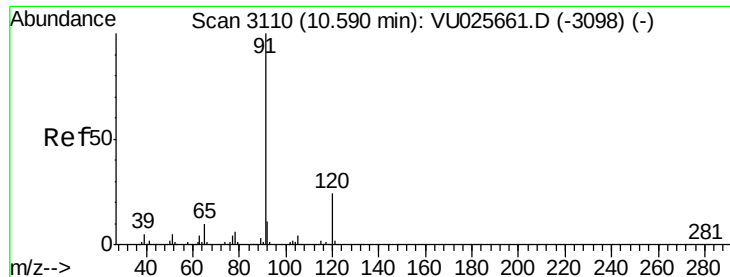
Delta R.T. -0.00 min

Lab File: VU025688.D

Acq: 27 Jul 2018 23:31

Tgt Ion	Ratio	Resp	Lower	Upper
105	100	14140		
120	26.7	13.5	40.5	





#78

n-propylbenzene

Concen: 1.19 ug/l

RT: 10.59 min Scan# 3111

Delta R.T. 0.00 min

Lab File: VU025688.D

Acq: 27 Jul 2018 23:31

Instrument :

MSVOA_U

ClientSampled :

FL-0507DL

Tot Ion: 91 Resp: 15022

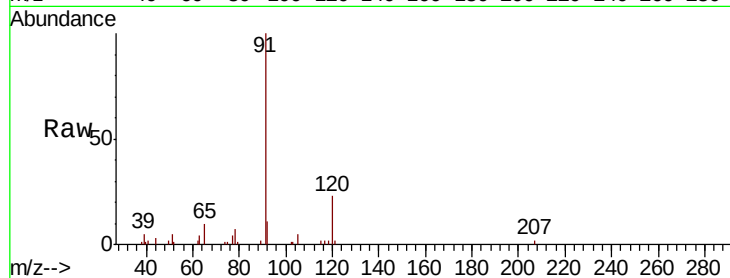
Ion Ratio Lower Upper

91 100

120 22.9 11.8 35.3

Manual Integrations
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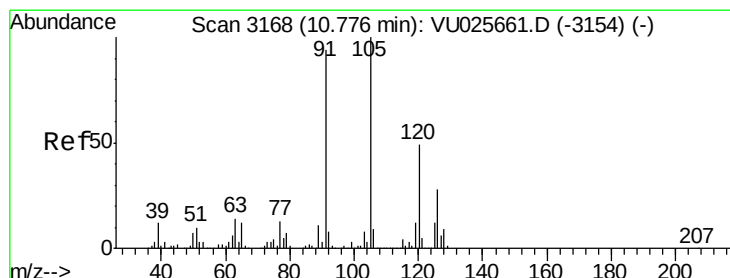
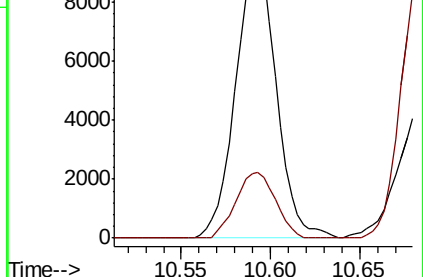
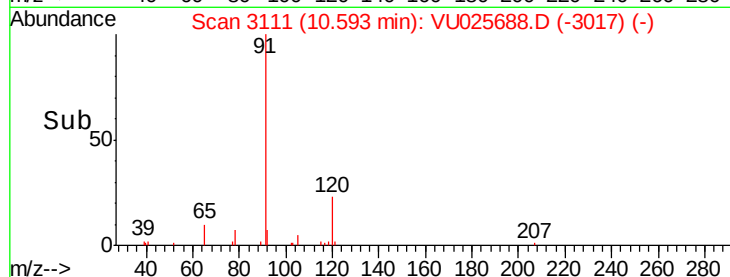


Abundance Ion 91.00 (90.70 to 91.70): VU025661.D (-3098) (-)

Ion 120.00 (119.70 to 120.70): VU025661.D (-3098) (-)

10.59

Time-->



#80

1,3,5-Trimethylbenzene

Concen: 3.29 ug/l

RT: 10.78 min Scan# 3168

Delta R.T. 0.00 min

Lab File: VU025688.D

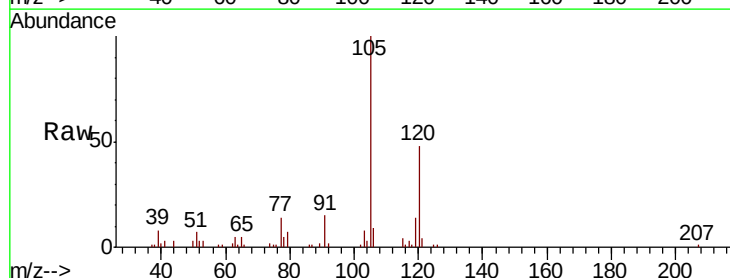
Acq: 27 Jul 2018 23:31

Tgt Ion: 105 Resp: 30077

Ion Ratio Lower Upper

105 100

120 48.4 24.1 72.2

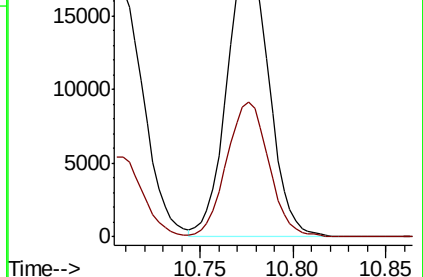
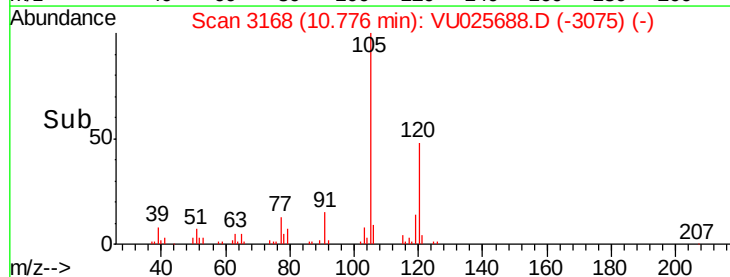


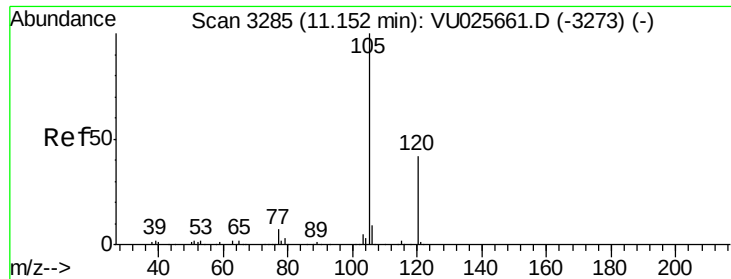
Abundance Ion 105.00 (104.70 to 105.70): VU025661.D (-3154) (-)

Ion 120.00 (119.70 to 120.70): VU025661.D (-3154) (-)

10.78

Time-->





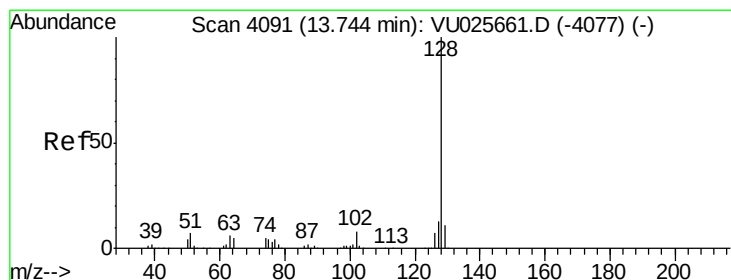
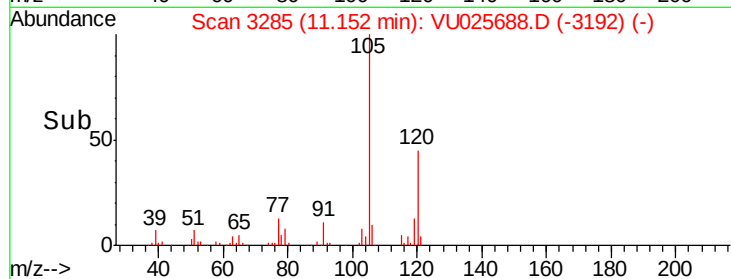
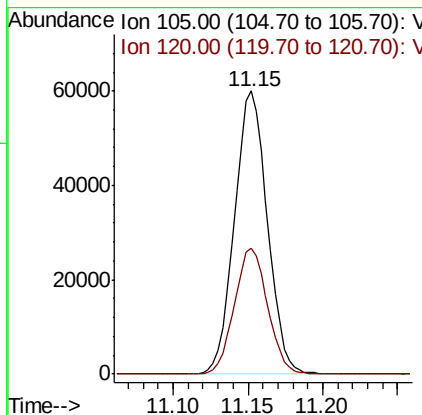
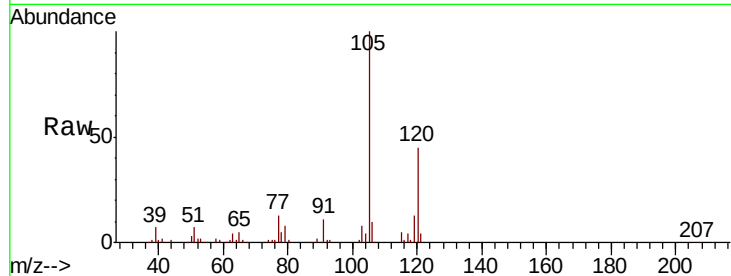
#84
 1,2,4-Trimethylbenzene
 Concen: 9.89 ug/l
 RT: 11.15 min Scan# 3285
 Delta R.T. -0.00 min
 Lab File: VU025688.D
 Acq: 27 Jul 2018 23:31

Instrument :
 MSVOA_U
 ClientSampleId :
 FL-0507DL

Tot Ion	Ratio	Lower	Upper
105	100		
120	45.1	22.3	66.8

Manual Integrations
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 7/31/2018 3:50:03 PM



#95
 Naphthalene
 Concen: 5.23 ug/l
 RT: 13.75 min Scan# 4092
 Delta R.T. 0.00 min
 Lab File: VU025688.D
 Acq: 27 Jul 2018 23:31

Tgt Ion	Ratio	Lower	Upper
128	100		
127	13.9	10.5	15.7
129	11.1	8.3	12.5

