

Data Path : Z:\VOASRV\HPCHEM1\MSVOA U\DATA\VU072718\
 Data File : VU025706.D
 Acq On : 28 Jul 2018 06:32
 Operator : MD/SY
 Sample : J4208-03
 Misc : 5.0mL/MSVOA U/WATER
 ALS Vial : 52 Sample Multiplier: 1

Instrument :
 MSVOA_U
 ClientSampleId :
 FL-0513

Manual Integrations
 APPROVED

MMDadoda
 7/31/2018 3:50:25 PM

Quant Time: Jul 30 09:13:22 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	181108	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	5.89	114	279355	50.00	ug/l	0.00
63) Chlorobenzene-d5	9.09	117	280325	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	11.49	152	182641	50.00	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	5.31	65	137811	48.84	ug/l	0.00
Spiked Amount 50.000			Recovery	=	97.68%	
35) Dibromofluoromethane	4.89	113	116819	48.08	ug/l	0.00
Spiked Amount 50.000			Recovery	=	96.16%	
50) Toluene-d8	7.57	98	424375	49.91	ug/l	0.00
Spiked Amount 50.000			Recovery	=	99.82%	
62) 4-Bromofluorobenzene	10.31	95	164728	49.92	ug/l	0.00
Spiked Amount 50.000			Recovery	=	99.84%	
Target Compounds						
						Qvalue
31) Cyclohexane	5.00	56	52196	13.53	ug/l	97
39) Methylcyclohexane	6.42	83	75235	20.11	ug/l	95
67) Ethyl Benzene	9.25	91	691486	57.76	ug/l	100
68) m/p-Xylenes	9.38	106	695882	151.40	ug/l	99
69) o-Xylene	9.78	106	5325	1.19	ug/l	93
73) Isopropylbenzene	10.17	105	133016	10.67	ug/l	100
78) n-propylbenzene	10.59	91	187496	12.89	ug/l	100
80) 1,3,5-Trimethylbenzene	10.78	105	536805	50.71	ug/l	98
83) tert-Butylbenzene	11.10	119	5956	0.57	ug/l	90
84) 1,2,4-Trimethylbenzene	11.15	105	1141309	106.38	ug/l	98
85) sec-Butylbenzene	11.33	105	23370m	1.82	ug/l	
95) Naphthalene	13.74	128	455271	33.98	ug/l	98

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

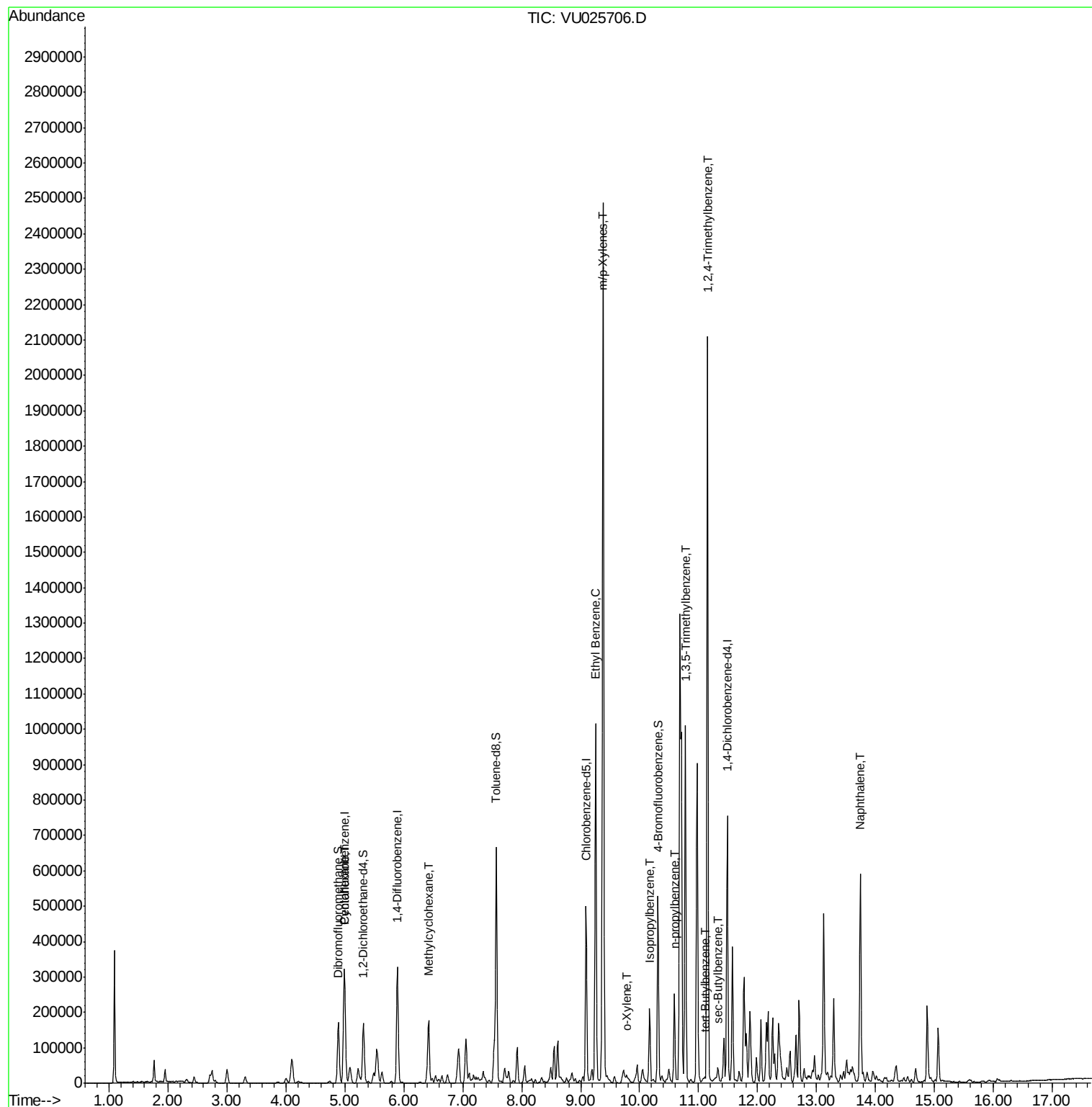
Data Path : Z:\VOASRV\HPCHEM1\MSVOA U\DATA\VU072718\
Data File : VU025706.D
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Operator : MD/SY
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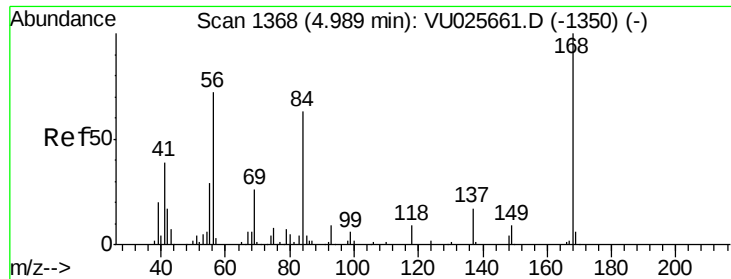
Instrument :
MSVOA_U
ClientSampleId :
FL-0513

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Quant Time: Jul 30 09:13:22 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





#1

Pentafluorobenzene

Concen: 50.00 ug/l

RT: 4.99 min Scan# 1368

Delta R.T. 0.00 min

Lab File: VU025706.D

Acq: 28 Jul 2018 06:32

Instrument :

MSVOA_U

ClientSampleId :

FL-0513

Tot Ion:168 Resp: 181108

Ion Ratio Lower Upper

168 100

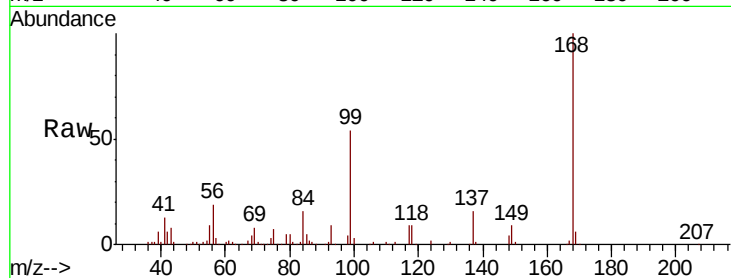
99 54.4 42.8 64.2

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Abundance Ion 167.90 (167.60 to 168.60): V

Ion 98.90 (98.60 to 99.60): VU0

100000

80000

60000

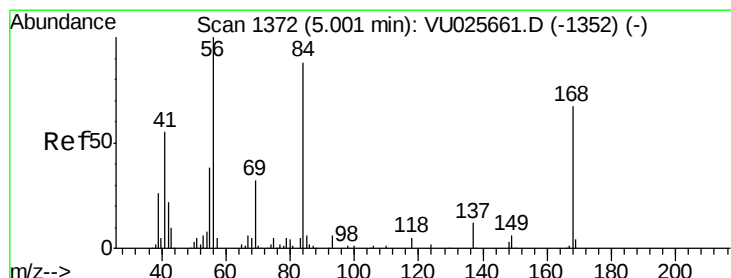
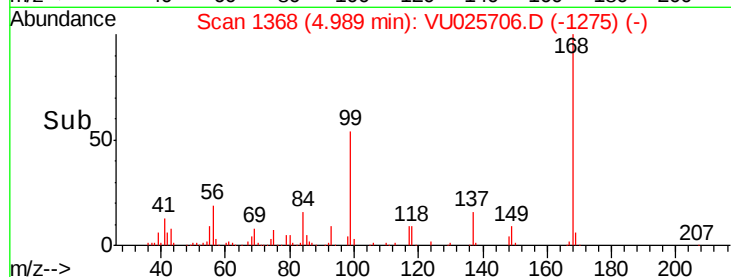
40000

20000

0

4.90 4.95 5.00 5.05

Time-->



#31

Cyclohexane

Concen: 13.53 ug/l

RT: 5.00 min Scan# 1372

Delta R.T. 0.00 min

Lab File: VU025706.D

Acq: 28 Jul 2018 06:32

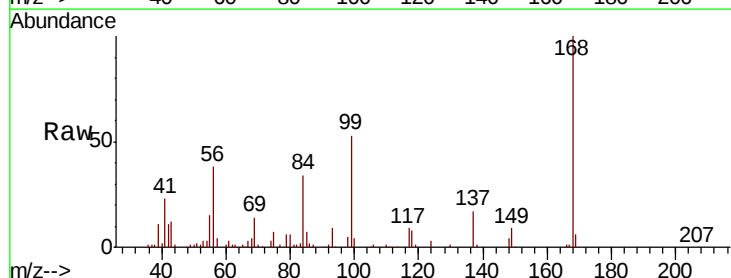
Tgt Ion: 56 Resp: 52196

Ion Ratio Lower Upper

56 100

69 36.3 26.8 40.2

84 88.6 69.7 104.5



Abundance Ion 56.00 (55.70 to 56.70): VU0

Ion 69.00 (68.70 to 69.70): VU0

Ion 84.00 (83.70 to 84.70): VU0

30000

25000

20000

15000

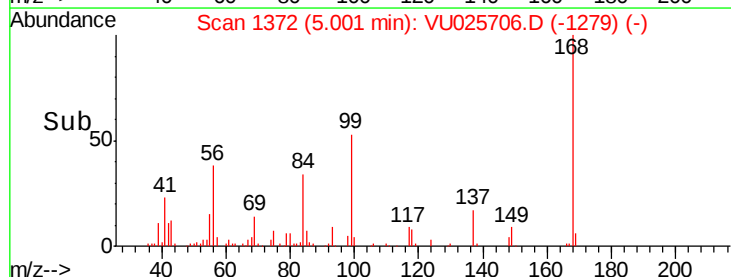
10000

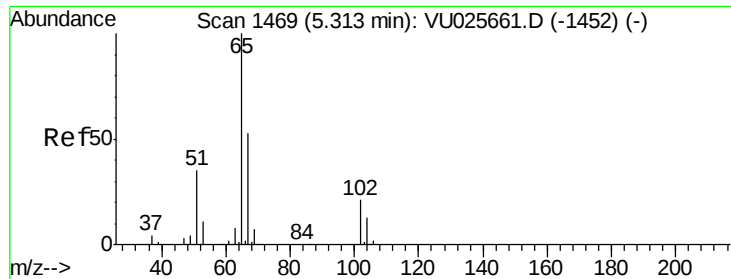
5000

0

4.90 4.95 5.00 5.05

Time-->





#33

1,2-Dichloroethane-d4

Concen: 48.84 ug/l

RT: 5.31 min Scan# 1469

Delta R.T. 0.00 min

Lab File: VU025706.D

Acq: 28 Jul 2018 06:32

Instrument :

MSVOA_U

ClientSampleId :

FL-0513

Tot Ion: 65 Resp: 137811

Ion Ratio Lower Upper

65 100

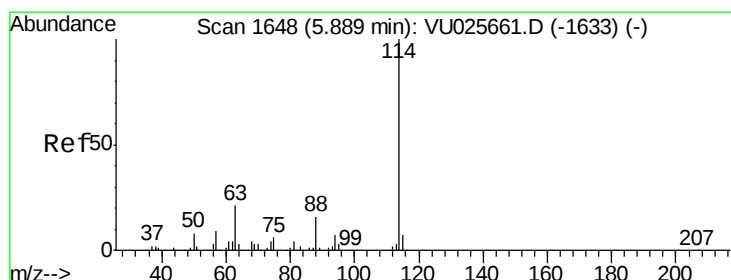
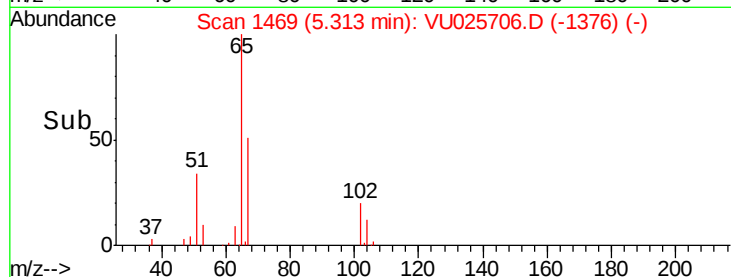
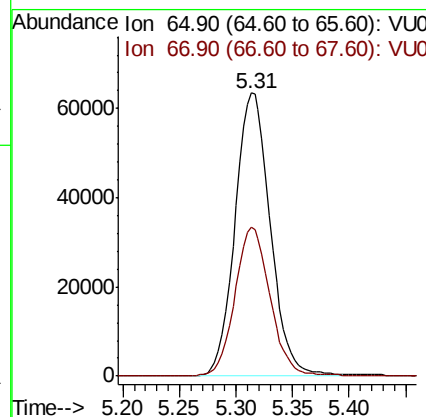
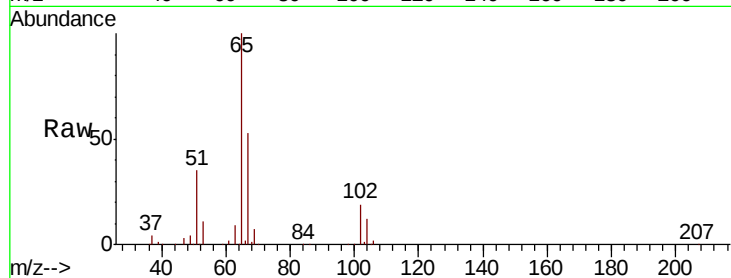
67 52.5 0.0 103.6

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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: VU025706.D

Acq: 28 Jul 2018 06:32

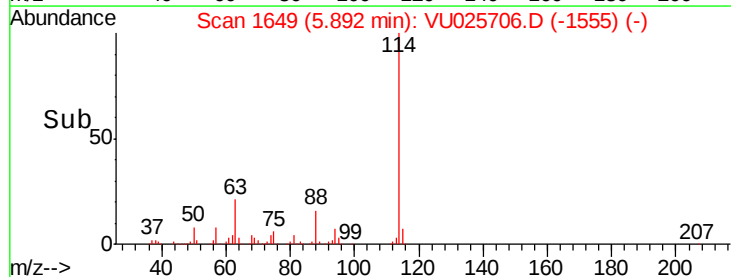
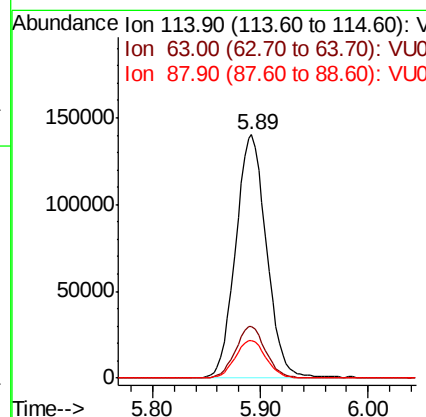
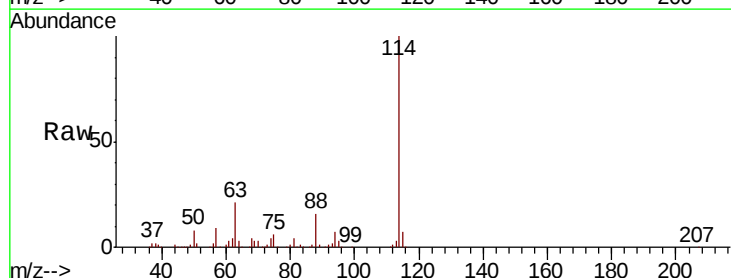
Tgt Ion: 114 Resp: 279355

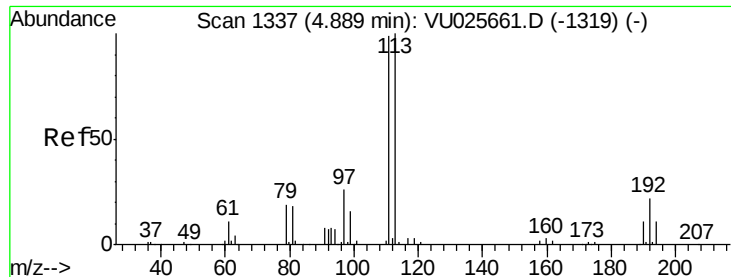
Ion Ratio Lower Upper

114 100

63 21.2 0.0 41.6

88 15.6 0.0 32.4





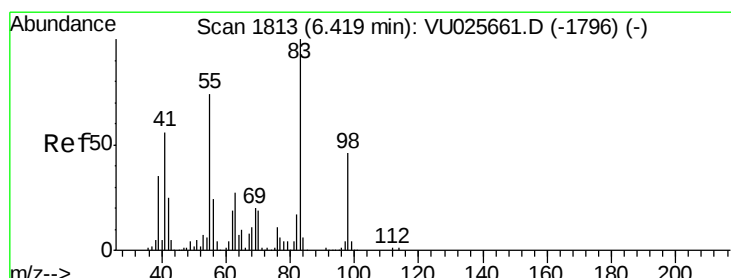
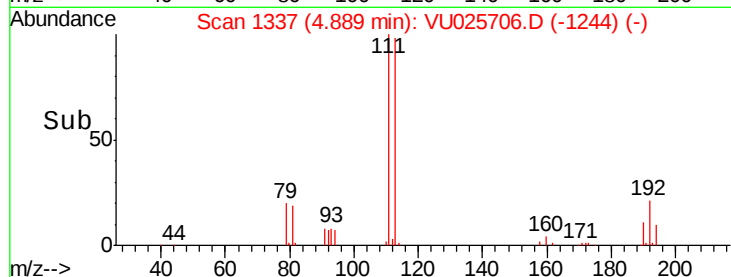
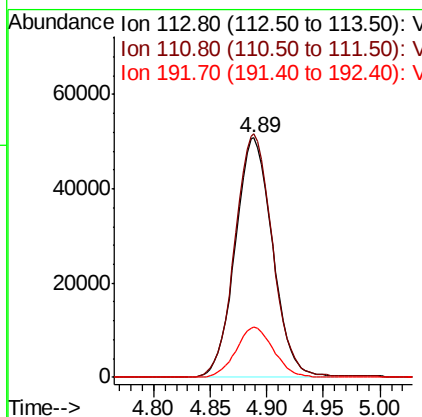
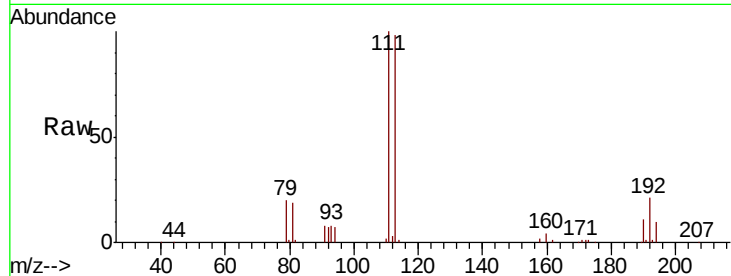
#35
 Dibromofluoromethane
 Concen: 48.08 ug/l
 RT: 4.89 min Scan# 1337
 Delta R.T. 0.00 min
 Lab File: VU025706.D
 Acq: 28 Jul 2018 06:32

Instrument :
 MSVOA_U
 ClientSampleId :
 FL-0513

Tot Ion	Ratio	Lower	Upper
113	100		
111	102.0	81.7	122.5
192	21.0	17.1	25.7

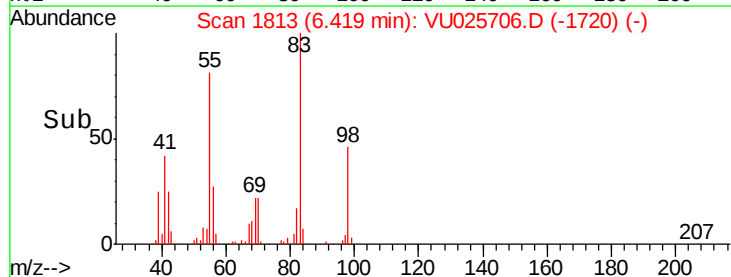
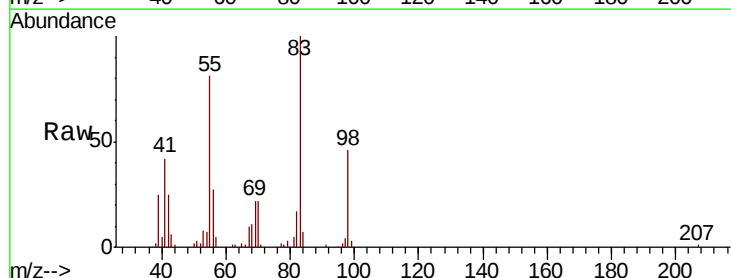
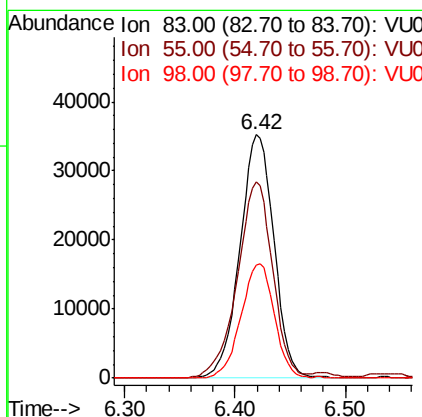
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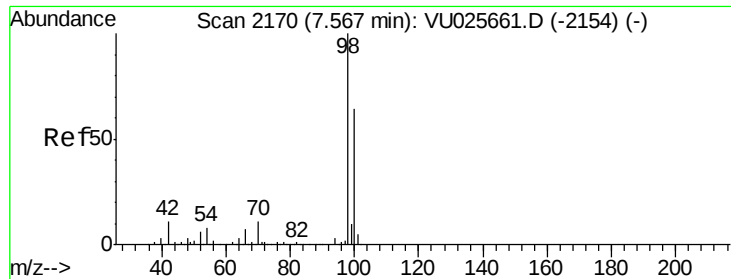
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#39
 Methylcyclohexane
 Concen: 20.11 ug/l
 RT: 6.42 min Scan# 1813
 Delta R.T. 0.00 min
 Lab File: VU025706.D
 Acq: 28 Jul 2018 06:32

Tgt Ion	Ratio	Lower	Upper
83	100		
55	80.6	60.0	90.0
98	46.3	36.1	54.1





#50

Toluene-d8

Concen: 49.91 ug/l

RT: 7.57 min Scan# 2171

Delta R.T. 0.00 min

Lab File: VU025706.D

Acq: 28 Jul 2018 06:32

Instrument :

MSVOA_U

ClientSampleId :

FL-0513

Tot Ion: 98 Resp: 424375

Ion Ratio Lower Upper

98 100

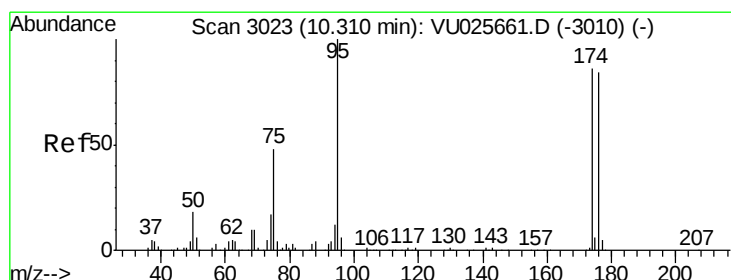
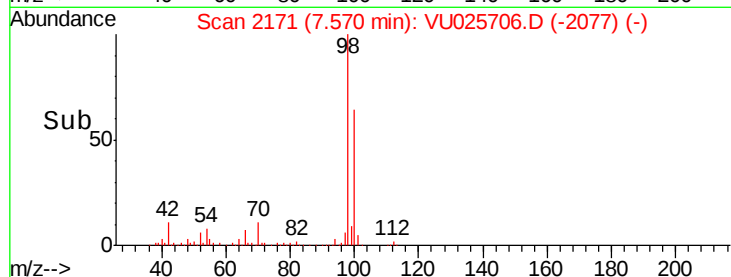
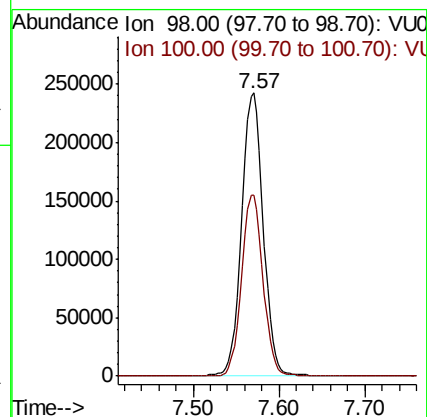
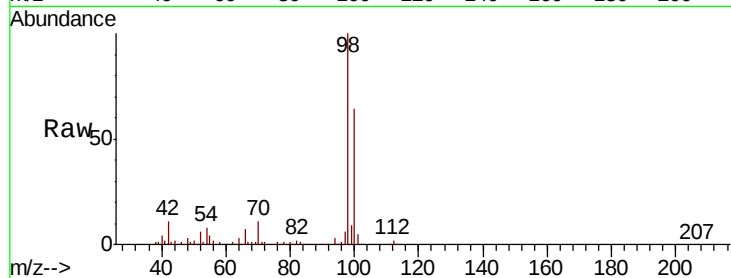
100 63.0 51.1 76.7

Manual Integrations

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#62

4-Bromofluorobenzene

Concen: 49.92 ug/l

RT: 10.31 min Scan# 3023

Delta R.T. 0.00 min

Lab File: VU025706.D

Acq: 28 Jul 2018 06:32

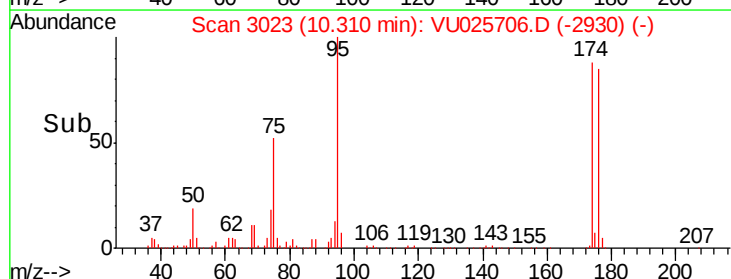
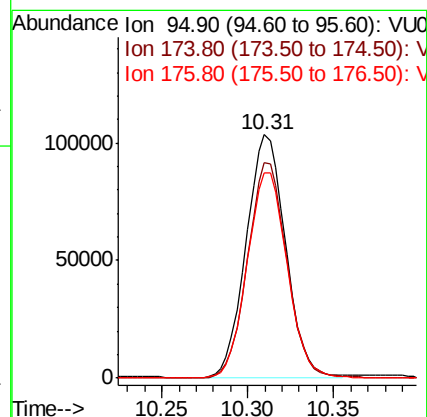
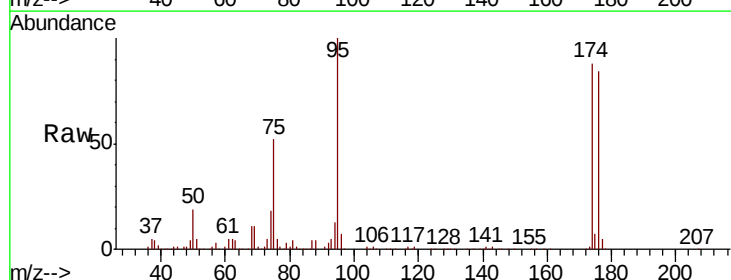
Tgt Ion: 95 Resp: 164728

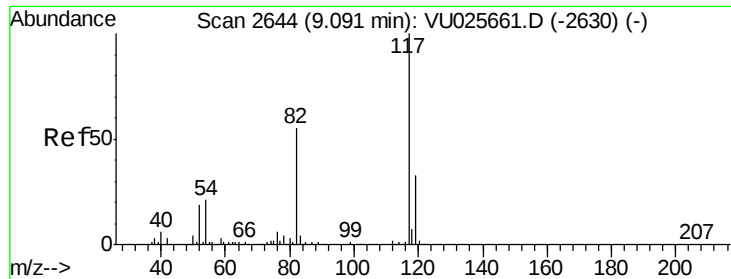
Ion Ratio Lower Upper

95 100

174 88.3 0.0 172.2

176 85.9 0.0 162.6





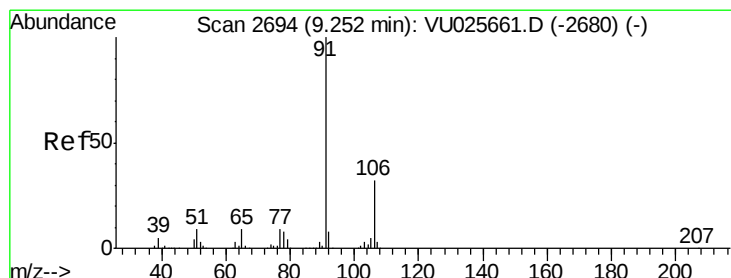
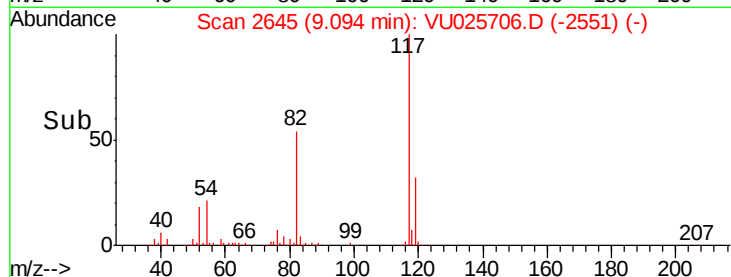
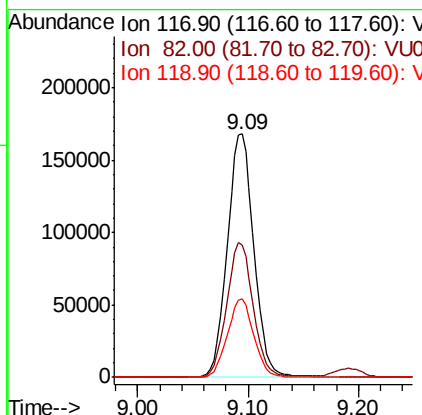
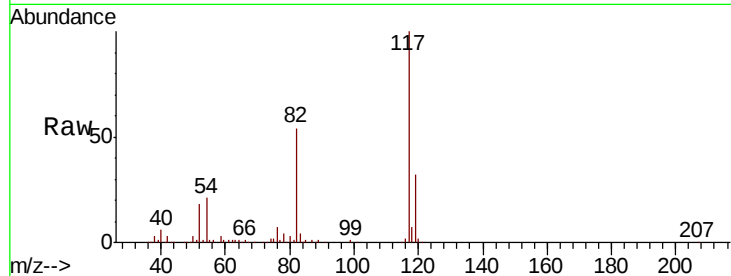
#63
Chlorobenzene-d5
Concen: 50.00 ug/l
RT: 9.09 min Scan# 2645
Delta R.T. 0.00 min
Lab File: VU025706.D
Acq: 28 Jul 2018 06:32

Instrument :
MSVOA_U
ClientSampleId :
FL-0513

Tot Ion	Ratio	Resp	Lower	Upper
117	100	280325		
82	54.3	46.0	69.0	
119	32.3	26.0	39.0	

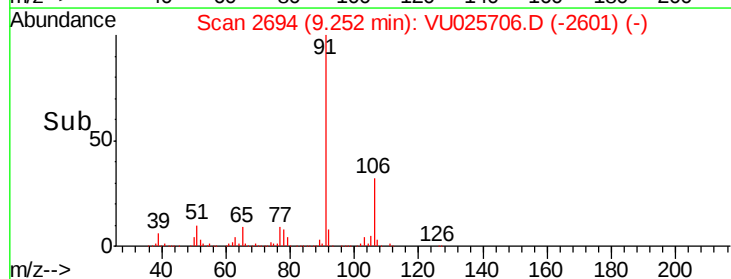
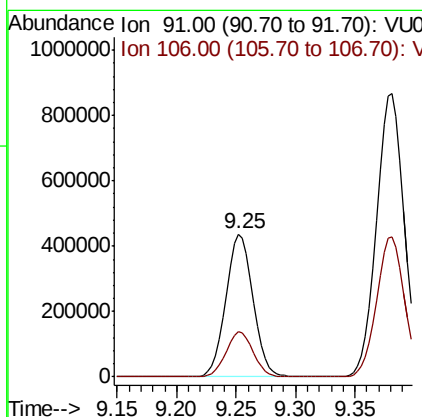
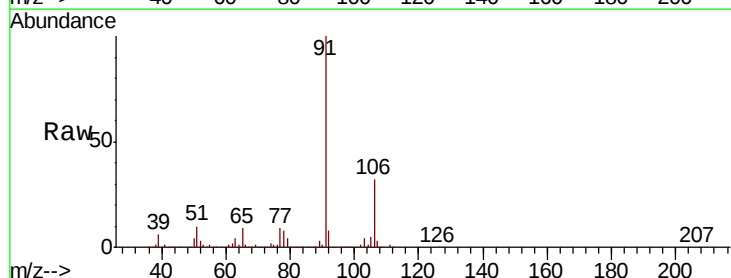
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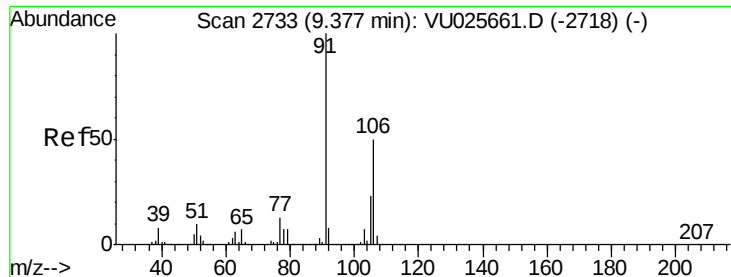
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#67
Ethyl Benzene
Concen: 57.76 ug/l
RT: 9.25 min Scan# 2694
Delta R.T. 0.00 min
Lab File: VU025706.D
Acq: 28 Jul 2018 06:32

Tgt Ion	Ratio	Resp	Lower	Upper
91	100	691486		
106	31.5	25.3	37.9	





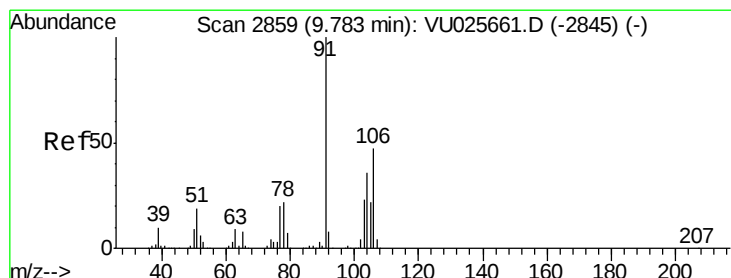
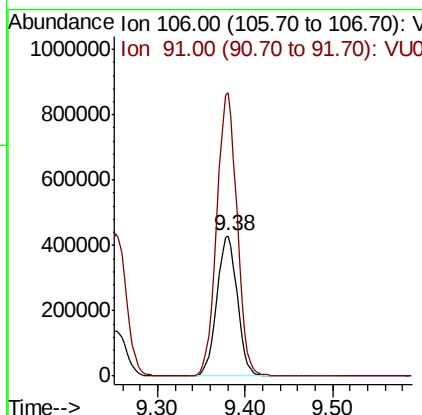
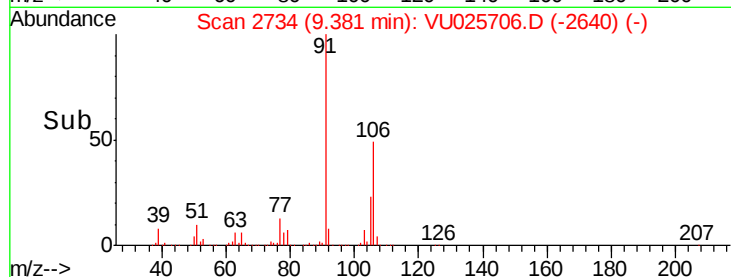
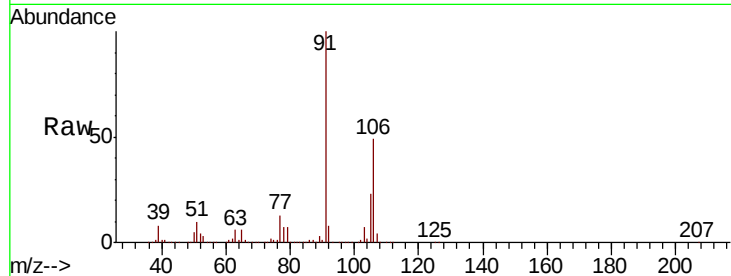
#68
m/p-Xylenes
Concen: 151.40 ug/l
RT: 9.38 min Scan# 2734
Delta R.T. 0.00 min
Lab File: VU025706.D
Acq: 28 Jul 2018 06:32

Instrument :
MSVOA_U
ClientSampled :
FL-0513

Tot Ion	Ion	Ratio	Resp	Lower	Upper
106	100		695882		
91	201.3	162.3	243.5		

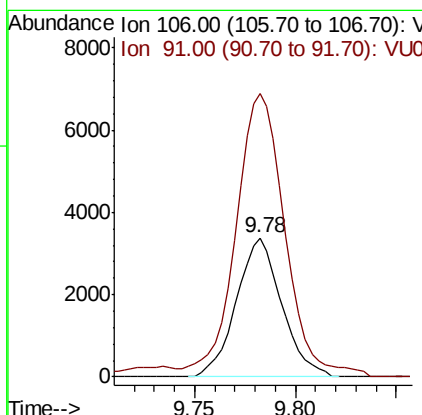
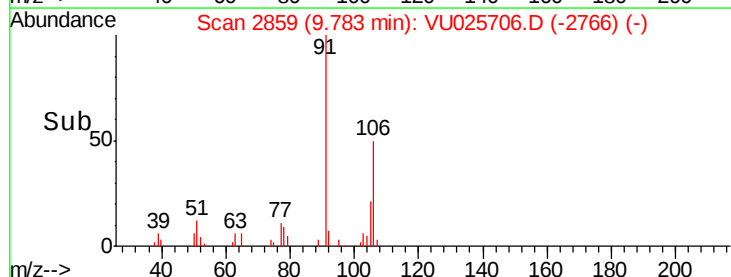
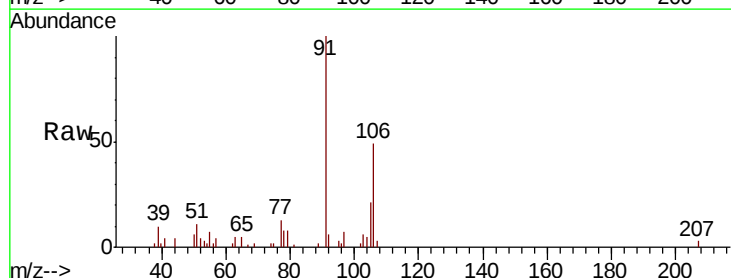
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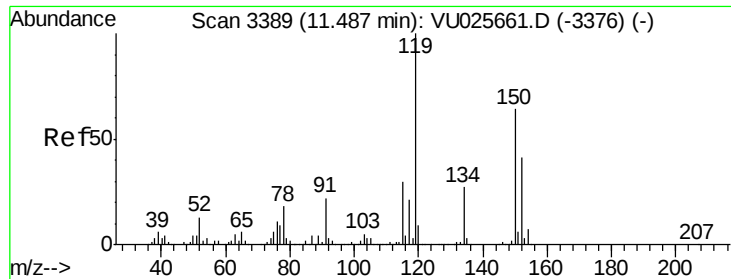
MMDadoda
7/31/2018 3:50:25 PM



#69
o-Xylene
Concen: 1.19 ug/l
RT: 9.78 min Scan# 2859
Delta R.T. 0.00 min
Lab File: VU025706.D
Acq: 28 Jul 2018 06:32

Tgt Ion	Ion	Ratio	Resp	Lower	Upper
106	100		5325		
91	221.3	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: VU025706.D

Acq: 28 Jul 2018 06:32

Instrument :

MSVOA_U

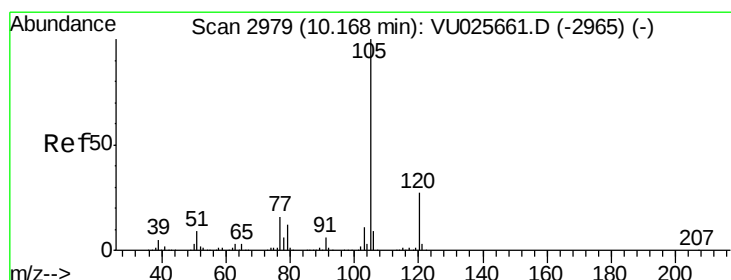
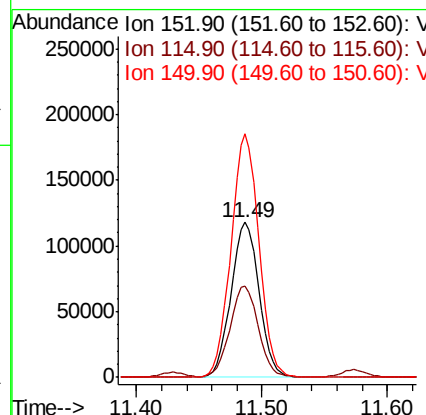
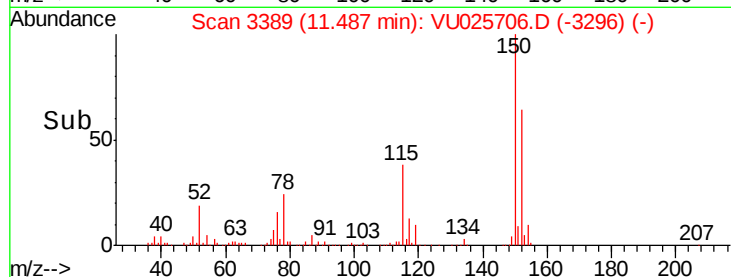
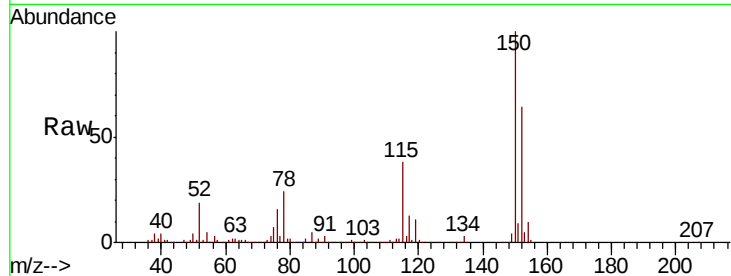
ClientSampled :

FL-0513

Tot Ion:	152	Resp:	182641
Ion Ratio	Lower	Upper	
152	100		
115	59.5	40.1	120.3
150	156.2	0.0	351.4

Manual Integrations
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7/31/2018 3:50:25 PM



#73

Isopropylbenzene

Concen: 10.67 ug/l

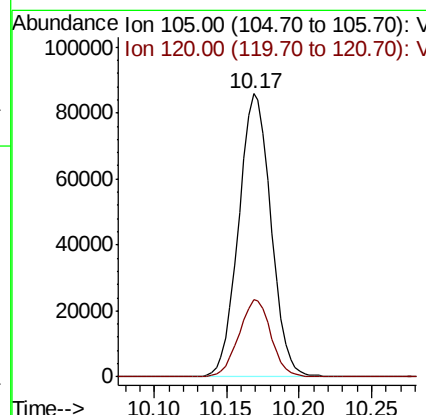
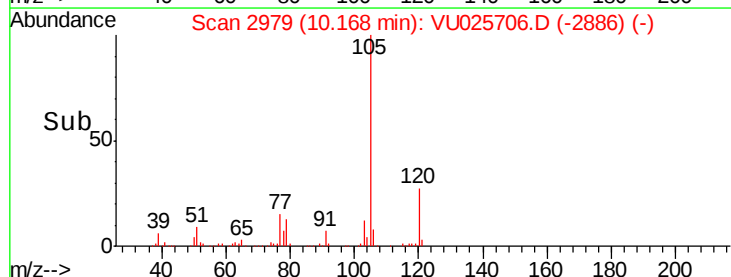
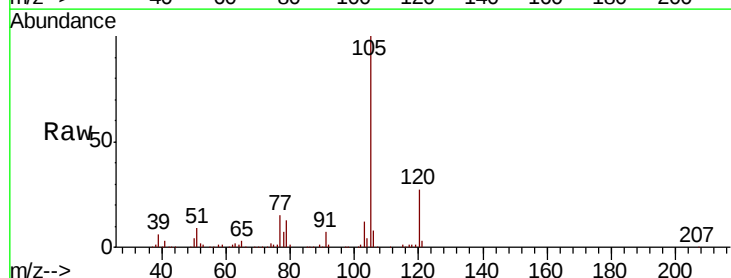
RT: 10.17 min Scan# 2979

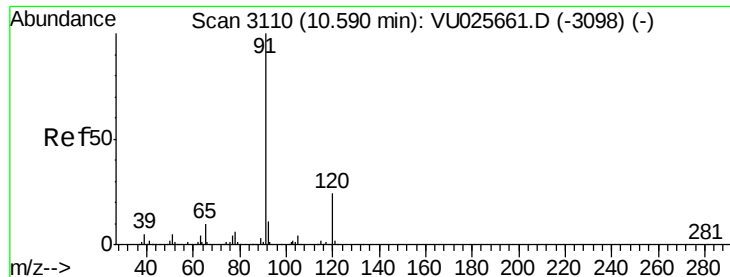
Delta R.T. 0.00 min

Lab File: VU025706.D

Acq: 28 Jul 2018 06:32

Tgt Ion:	105	Resp:	133016
Ion Ratio	Lower	Upper	
105	100		
120	26.8	13.5	40.5





#78

n-propylbenzene

Concen: 12.89 ug/l

RT: 10.59 min Scan# 3110

Delta R.T. 0.00 min

Lab File: VU025706.D

Acq: 28 Jul 2018 06:32

Instrument :

MSVOA_U

ClientSampleId :

FL-0513

Tot Ion: 91 Resp: 187496

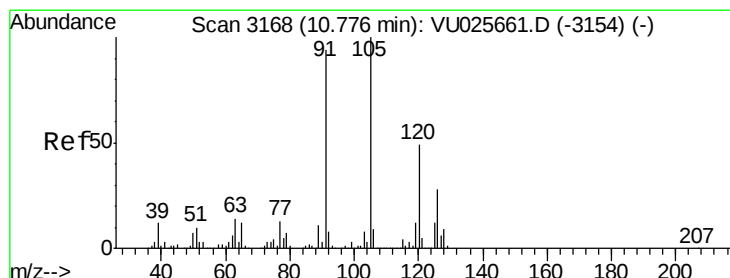
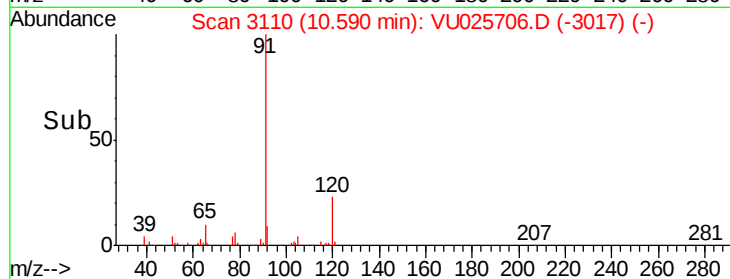
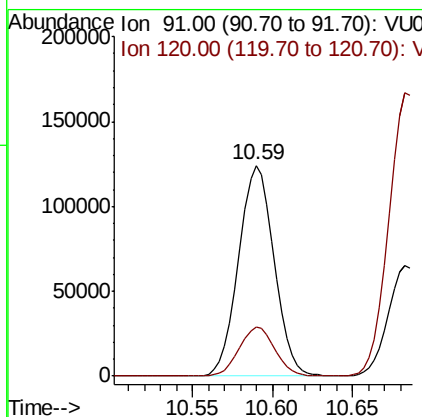
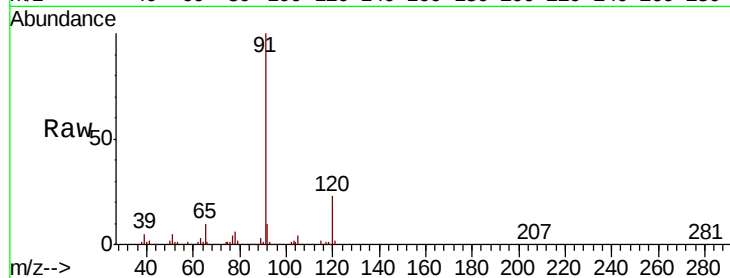
Ion Ratio Lower Upper

91 100

120 23.4 11.8 35.3

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#80

1,3,5-Trimethylbenzene

Concen: 50.71 ug/l

RT: 10.78 min Scan# 3168

Delta R.T. 0.00 min

Lab File: VU025706.D

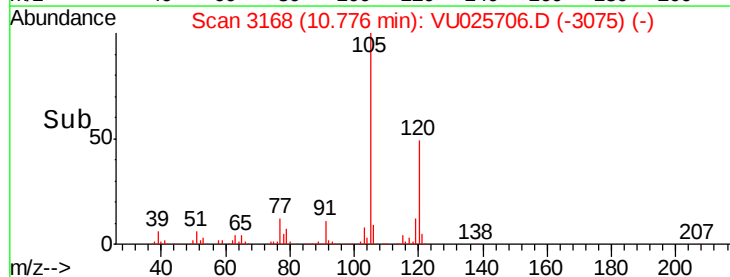
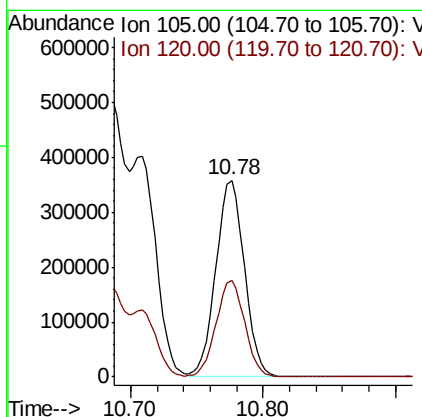
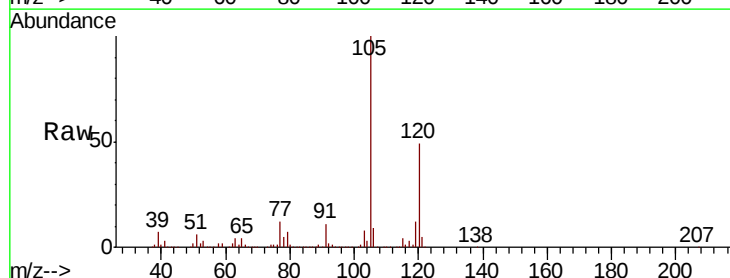
Acq: 28 Jul 2018 06:32

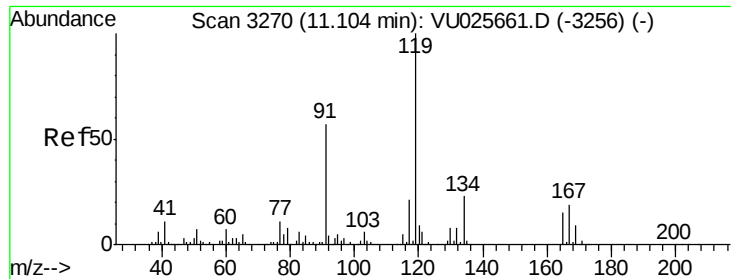
Tgt Ion: 105 Resp: 536805

Ion Ratio Lower Upper

105 100

120 49.2 24.1 72.2





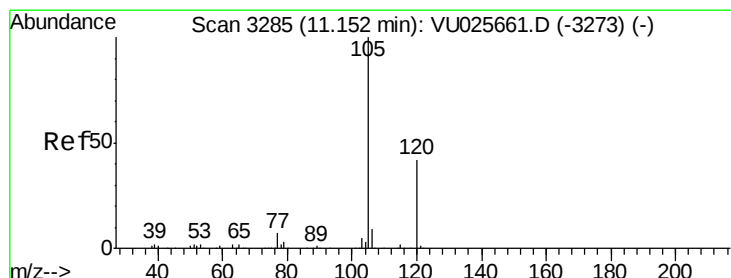
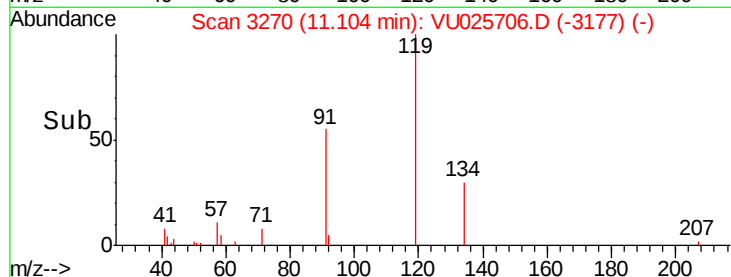
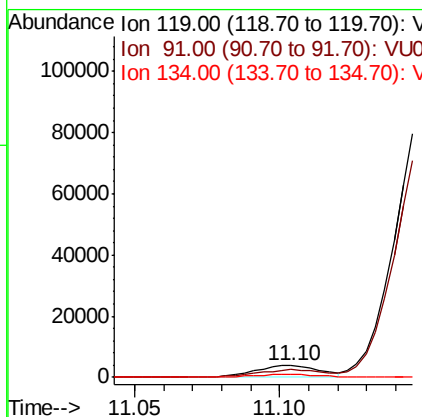
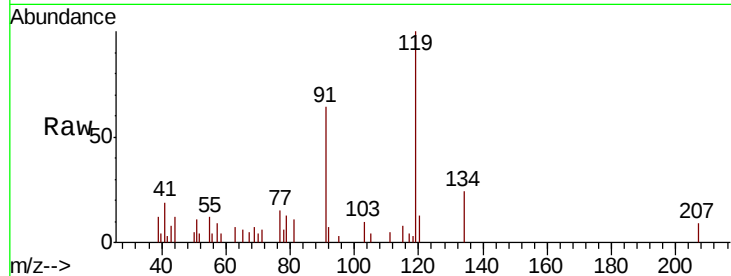
#83
tert-Butylbenzene
Concen: 0.57 ug/l
RT: 11.10 min Scan# 3270
Delta R.T. 0.00 min
Lab File: VU025706.D
Acq: 28 Jul 2018 06:32

Instrument :
MSVOA_U
ClientSampled :
FL-0513

Tot Ion	Ratio	Lower	Upper
119	100		
91	67.7	29.7	89.1
134	25.7	11.5	34.5

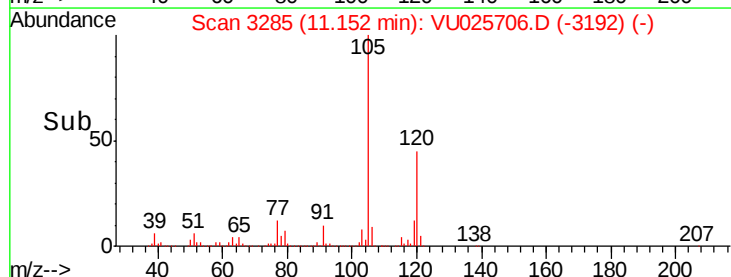
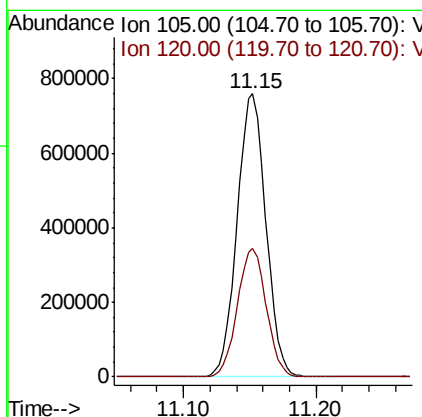
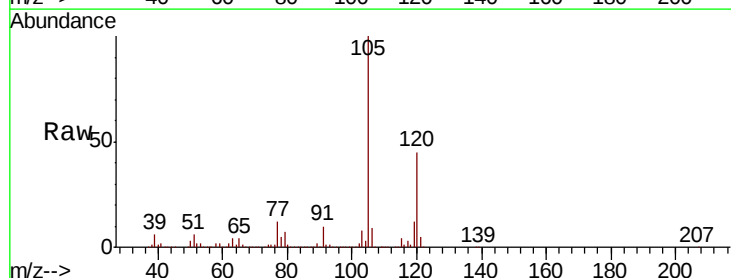
Manual Integrations
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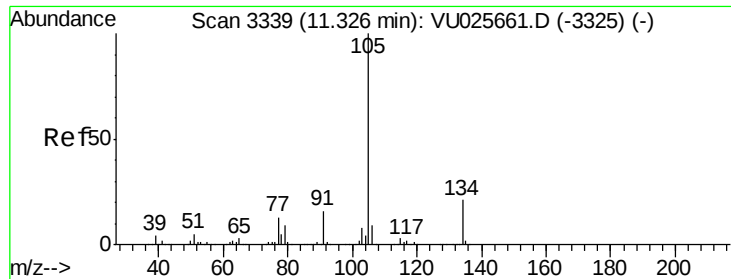
MMDadoda
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#84
1,2,4-Trimethylbenzene
Concen: 106.38 ug/l
RT: 11.15 min Scan# 3285
Delta R.T. 0.00 min
Lab File: VU025706.D
Acq: 28 Jul 2018 06:32

Tgt Ion	Ratio	Lower	Upper
105	100		
120	45.7	22.3	66.8





#85

sec-Butylbenzene

Concen: 1.82 ug/l m

RT: 11.33 min Scan# 3339

Delta R.T. 0.00 min

Lab File: VU025706.D

Acq: 28 Jul 2018 06:32

Instrument :

MSVOA_U

ClientSampleId :

FL-0513

Tot Ion:105 Resp: 23370

Ion Ratio Lower Upper

105 100

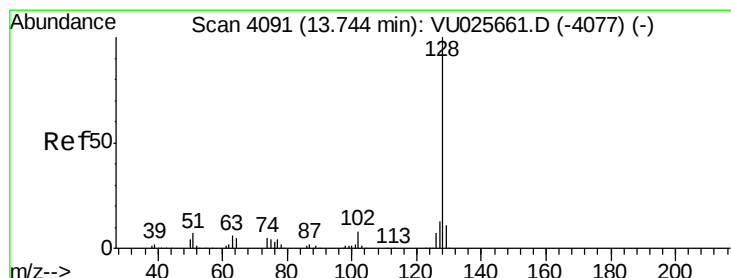
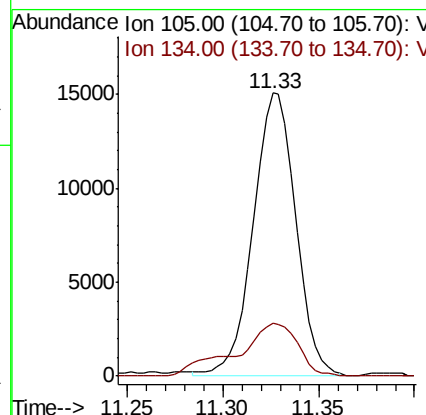
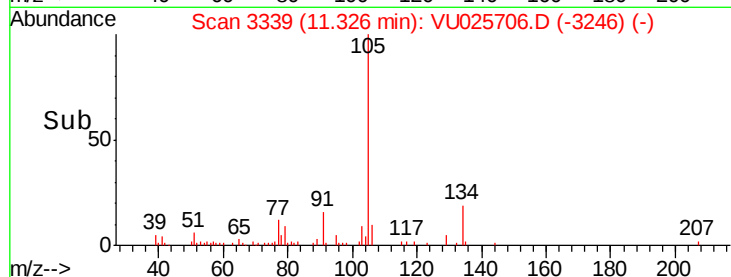
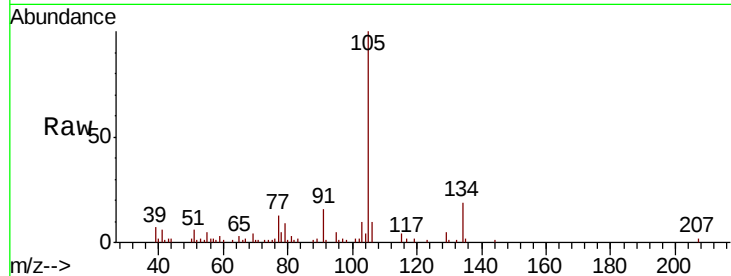
134 0.0 10.3 30.8#

Manual Integrations

APPROVED

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7/31/2018 3:50:25 PM



#95

Naphthalene

Concen: 33.98 ug/l

RT: 13.74 min Scan# 4091

Delta R.T. 0.00 min

Lab File: VU025706.D

Acq: 28 Jul 2018 06:32

Tgt Ion:128 Resp: 455271

Ion Ratio Lower Upper

128 100

127 12.9 10.5 15.7

129 11.6 8.3 12.5

