

Data Path : Z:\VOASRV\HPCHEM1\MSVOA U\DATA\VU072718\
 Data File : VU025707.D
 Acq On : 28 Jul 2018 06:55
 Operator : MD/SY
 Sample : J4208-04
 Misc : 5.0mL/MSVOA U/WATER
 ALS Vial : 53 Sample Multiplier: 1

Instrument :
 MSVOA_U
 ClientSampleId :
 FL-0514

Manual Integrations
 APPROVED

MMDadoda
 7/31/2018 3:50:30 PM

Quant Time: Jul 30 09:14:10 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	180548	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	5.89	114	285254	50.00	ug/l	0.00
63) Chlorobenzene-d5	9.09	117	282621	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	11.49	152	183768	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	138372	49.19	ug/l	0.00
Spiked Amount 50.000			Recovery =	98.38%		
35) Dibromofluoromethane	4.89	113	117174	47.23	ug/l	0.00
Spiked Amount 50.000			Recovery =	94.46%		
50) Toluene-d8	7.57	98	424473	48.89	ug/l	0.00
Spiked Amount 50.000			Recovery =	97.78%		
62) 4-Bromofluorobenzene	10.31	95	166473	49.40	ug/l	0.00
Spiked Amount 50.000			Recovery =	98.80%		

Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
31) Cyclohexane	5.00	56	51806	13.46	ug/l	98
39) Methylcyclohexane	6.42	83	74394	19.48	ug/l	97
67) Ethyl Benzene	9.25	91	711720	58.97	ug/l	99
68) m/p-Xylenes	9.38	106	723171	156.06	ug/l	99
69) o-Xylene	9.79	106	3688	0.81	ug/l	88
73) Isopropylbenzene	10.17	105	135398	10.80	ug/l	99
78) n-propylbenzene	10.59	91	188583	12.88	ug/l	100
80) 1,3,5-Trimethylbenzene	10.78	105	538274	50.53	ug/l	98
83) tert-Butylbenzene	11.10	119	5452	0.52	ug/l	89
84) 1,2,4-Trimethylbenzene	11.15	105	1161308	107.58	ug/l	99
85) sec-Butylbenzene	11.33	105	23025m	1.78	ug/l	
95) Naphthalene	13.74	128	470057	34.84	ug/l	99

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

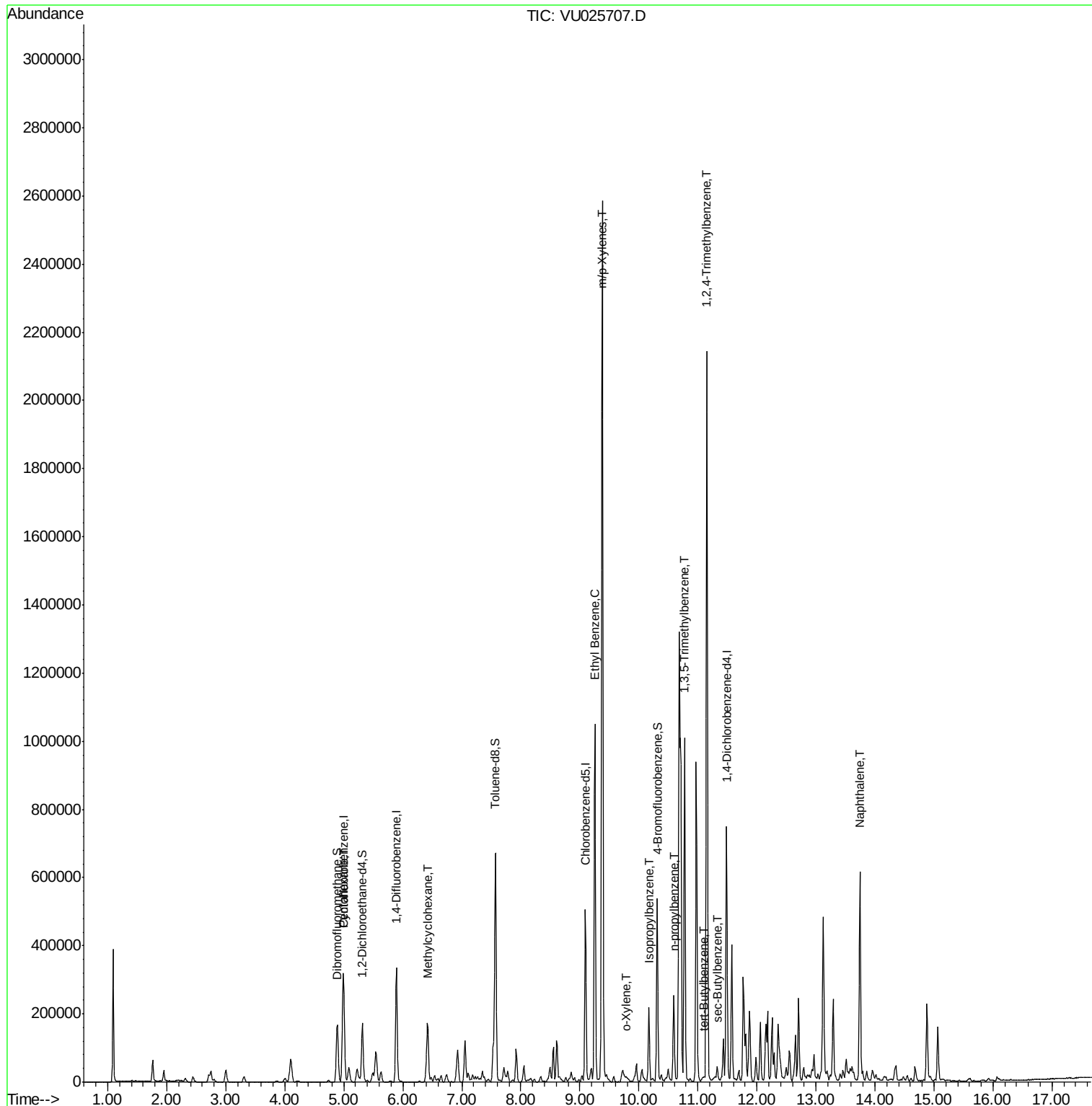
Data Path : Z:\V0ASRV\HPCHEM1\MSVOA U\DATA\VU072718\
Data File : VU025707.D
Acq On : 28 Jul 2018 06:55
Operator : MD/SY
Sample : J4208-04
Misc : 5.0mL/MSVOA U/WATER
ALS Vial : 53 Sample Multiplier: 1

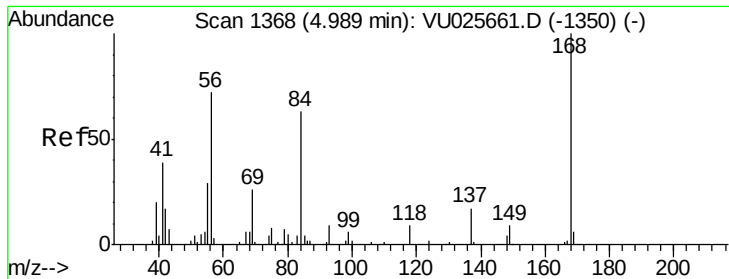
Instrument :
MSVOA_U
ClientSampleId :
FL-0514

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Quant Time: Jul 30 09:14:10 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: VU025707.D

Acq: 28 Jul 2018 06:55

Instrument :

MSVOA_U

ClientSampleId :

FL-0514

Tot Ion:168 Resp: 180548

Ion Ratio Lower Upper

168 100

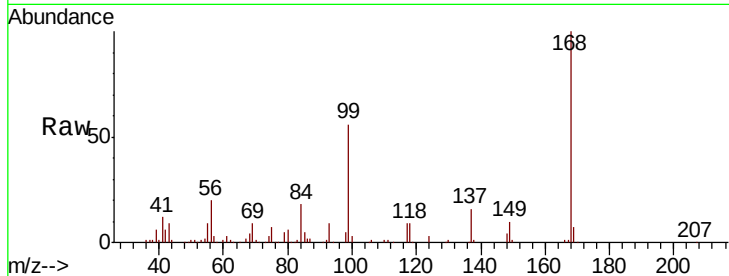
99 56.4 42.8 64.2

Manual Integrations

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Abundance Ion 167.90 (167.60 to 168.60): VU025707.D (-1275) (-)

Ion 98.90 (98.60 to 99.60): VU025707.D (-1275) (-)

4.99

80000

60000

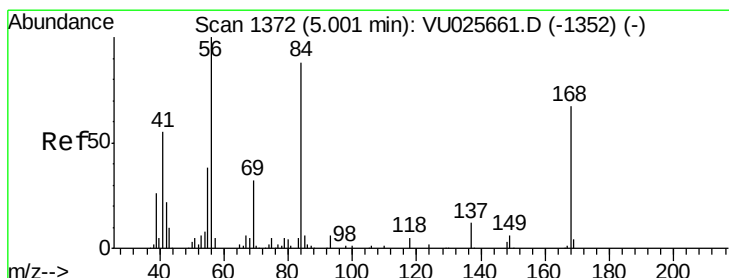
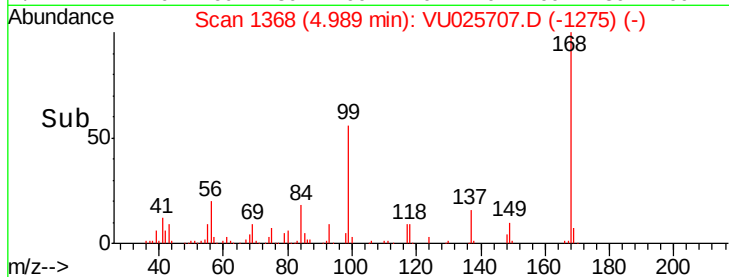
40000

20000

0

Time-->

4.90 5.00 5.10



#31

Cyclohexane

Concen: 13.46 ug/l

RT: 5.00 min Scan# 1371

Delta R.T. -0.00 min

Lab File: VU025707.D

Acq: 28 Jul 2018 06:55

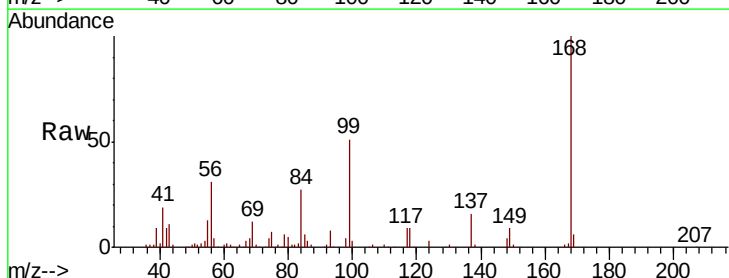
Tgt Ion: 56 Resp: 51806

Ion Ratio Lower Upper

56 100

69 38.0 26.8 40.2

84 87.0 69.7 104.5



Abundance Ion 56.00 (55.70 to 56.70): VU025707.D (-1279) (-)

Ion 69.00 (68.70 to 69.70): VU025707.D (-1279) (-)

Ion 84.00 (83.70 to 84.70): VU025707.D (-1279) (-)

5.00

25000

20000

15000

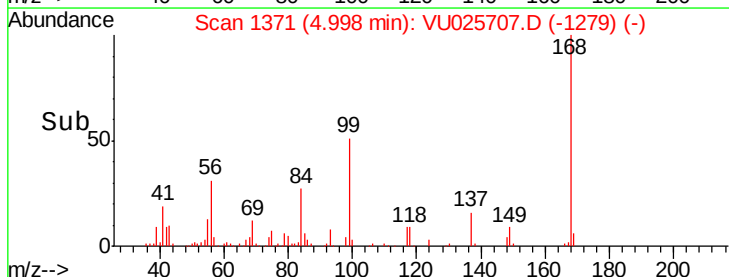
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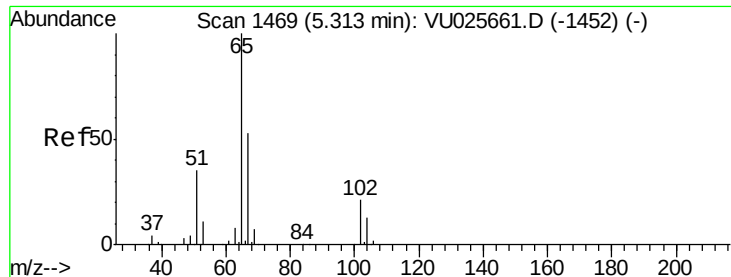
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0

Time-->

4.90 4.95 5.00 5.05





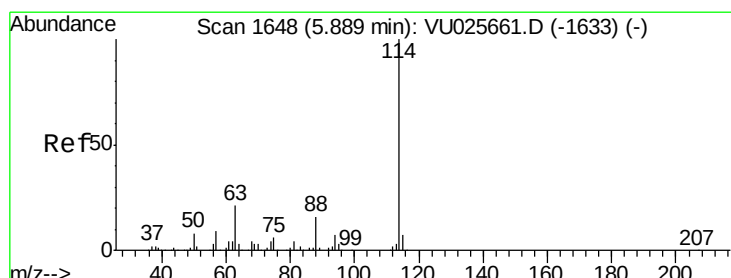
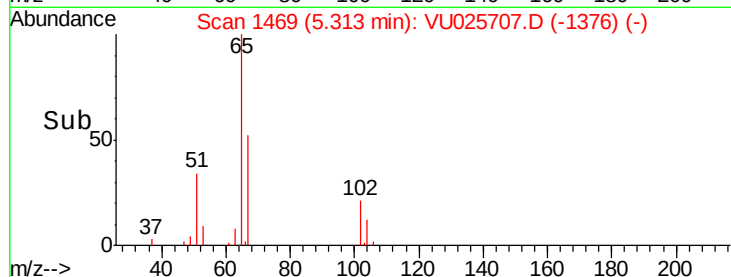
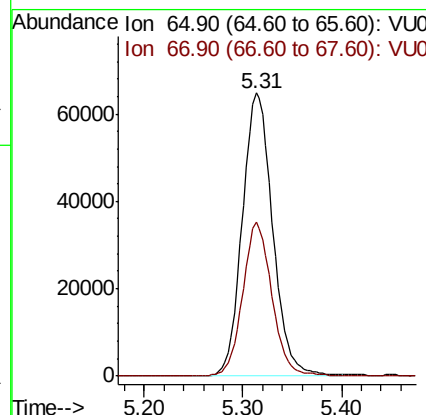
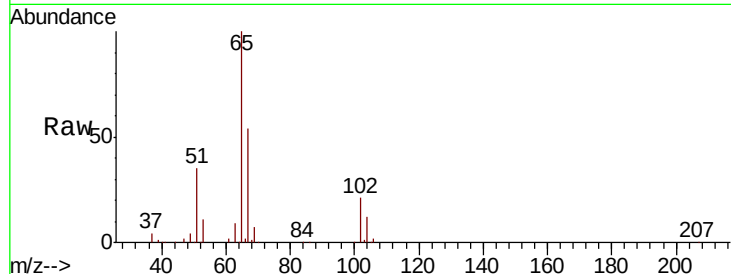
#33
 1,2-Dichloroethane-d4
 Concen: 49.19 ug/l
 RT: 5.31 min Scan# 1469
 Delta R.T. 0.00 min
 Lab File: VU025707.D
 Acq: 28 Jul 2018 06:55

Instrument :
 MSVOA_U
 ClientSampled :
 FL-0514

Tot Ion	Ratio	Resp	Lower	Upper
65	100	138372		
67	51.2	0.0	103.6	

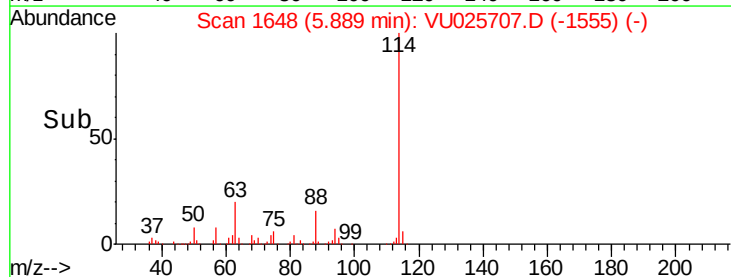
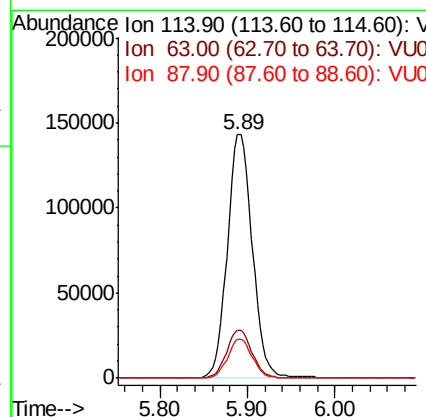
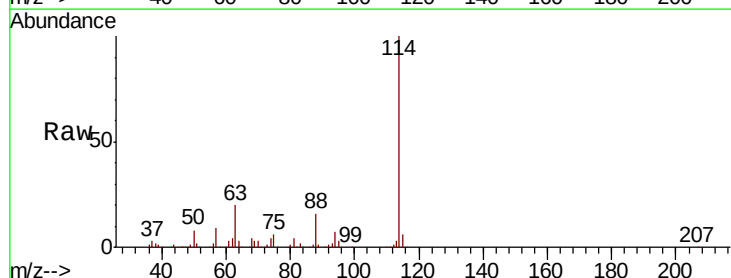
Manual Integrations
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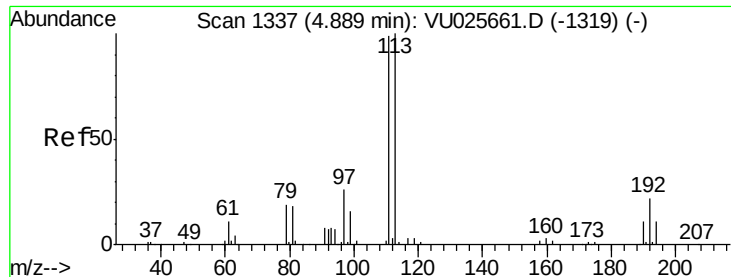
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#34
 1,4-Difluorobenzene
 Concen: 50.00 ug/l
 RT: 5.89 min Scan# 1648
 Delta R.T. 0.00 min
 Lab File: VU025707.D
 Acq: 28 Jul 2018 06:55

Tgt Ion	Ratio	Resp	Lower	Upper
114	100	285254		
63	19.8	0.0	41.6	
88	16.1	0.0	32.4	





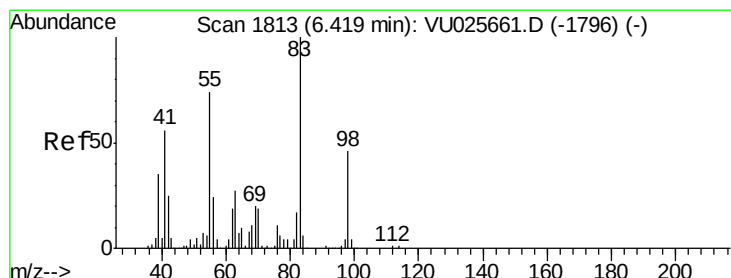
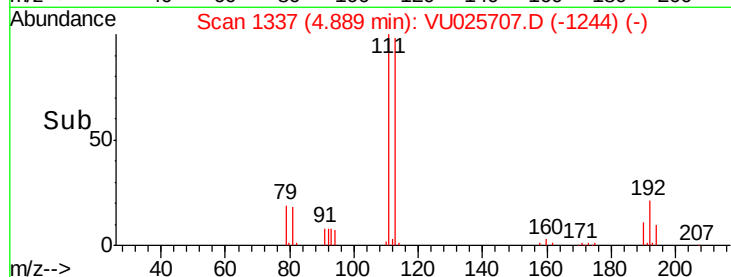
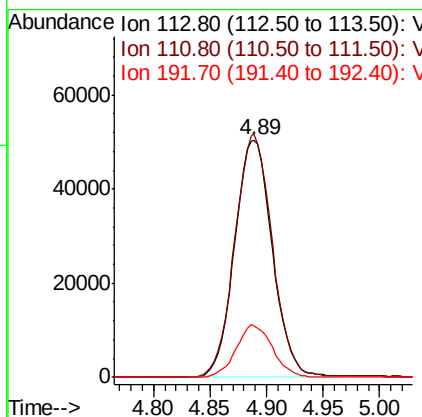
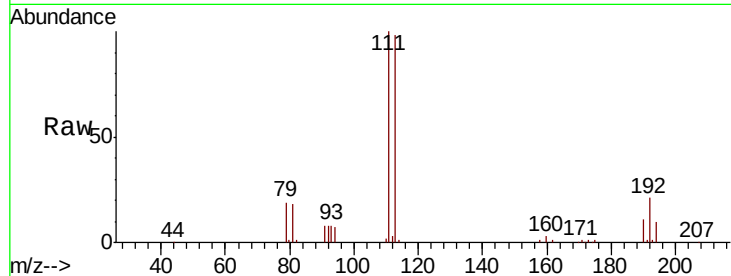
#35
Dibromofluoromethane
Concen: 47.23 ug/l
RT: 4.89 min Scan# 1337
Delta R.T. 0.00 min
Lab File: VU025707.D
Acq: 28 Jul 2018 06:55

Instrument :
MSVOA_U
ClientSampleId :
FL-0514

Tot Ion	Ratio	Resp	Lower	Upper
113	100	117174		
111	101.7	81.7	122.5	
192	21.3	17.1	25.7	

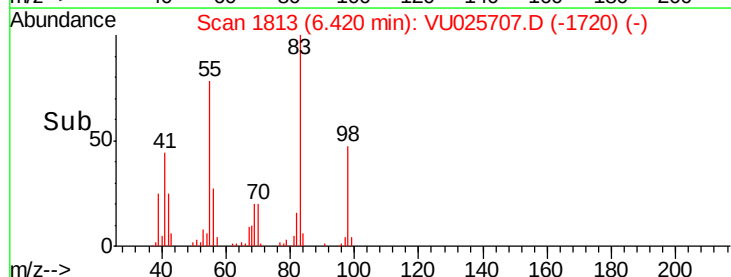
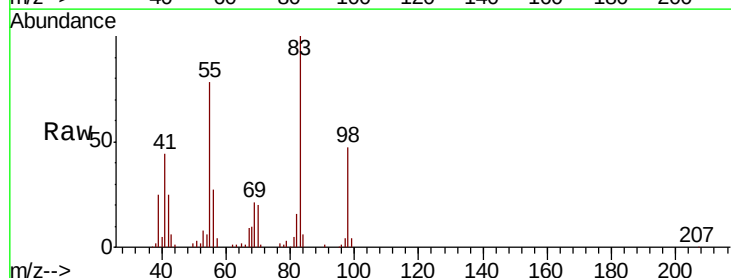
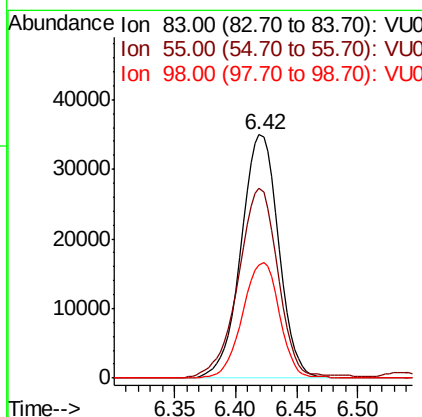
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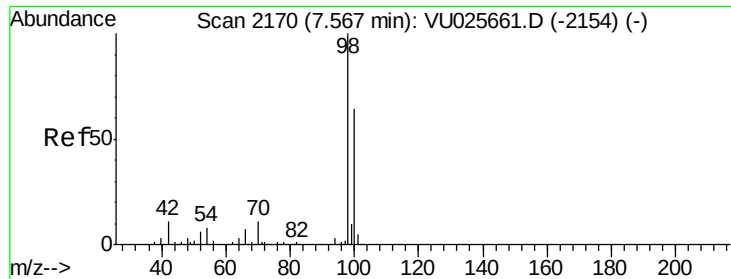
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7/31/2018 3:50:30 PM



#39
Methylcyclohexane
Concen: 19.48 ug/l
RT: 6.42 min Scan# 1813
Delta R.T. 0.00 min
Lab File: VU025707.D
Acq: 28 Jul 2018 06:55

Tgt Ion	Ratio	Resp	Lower	Upper
83	100	74394		
55	77.6	60.0	90.0	
98	46.6	36.1	54.1	





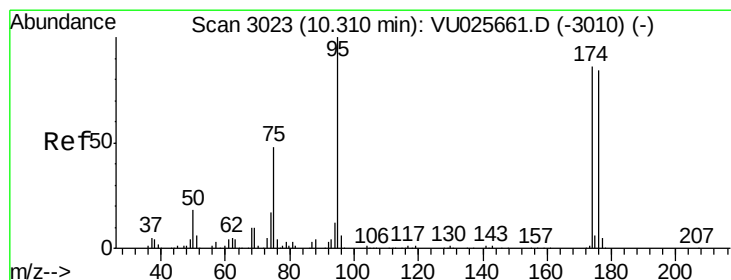
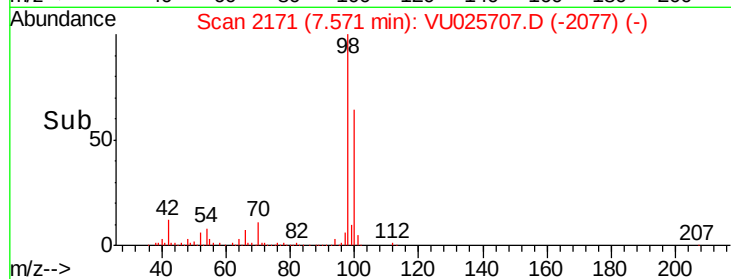
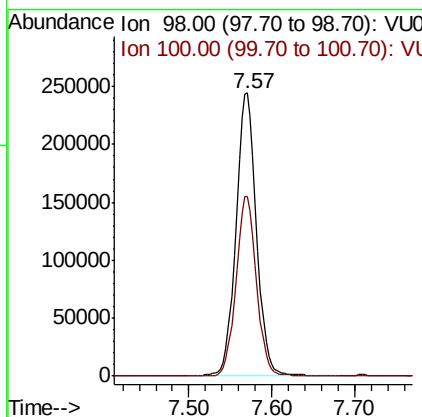
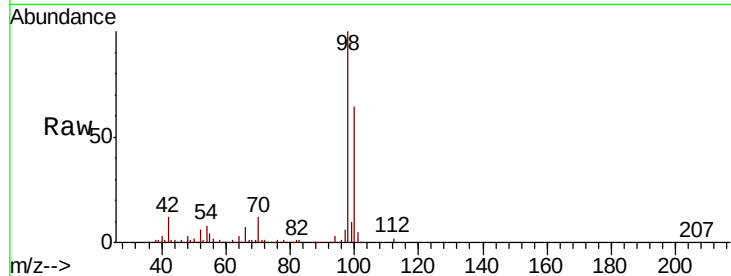
#50
Toluene-d8
Concen: 48.89 ug/l
RT: 7.57 min Scan# 2171
Delta R.T. 0.00 min
Lab File: VU025707.D
Acq: 28 Jul 2018 06:55

Instrument :
MSVOA_U
ClientSampled :
FL-0514

Tot Ion: 98 Resp: 424473
Ion Ratio Lower Upper
98 100
100 63.2 51.1 76.7

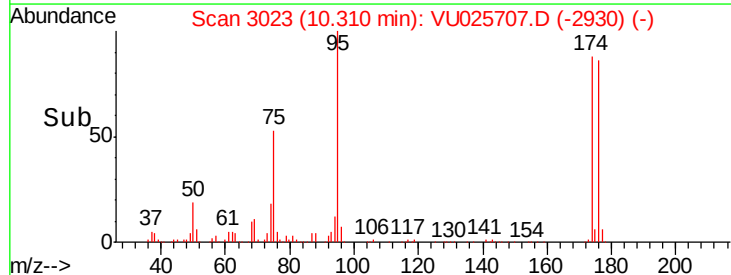
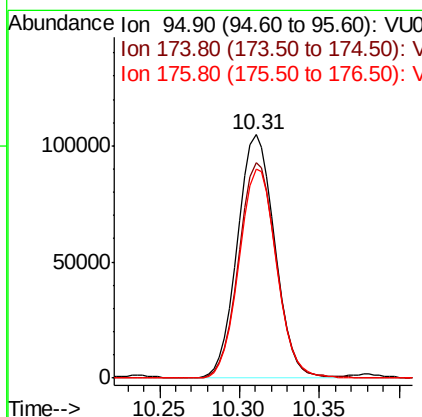
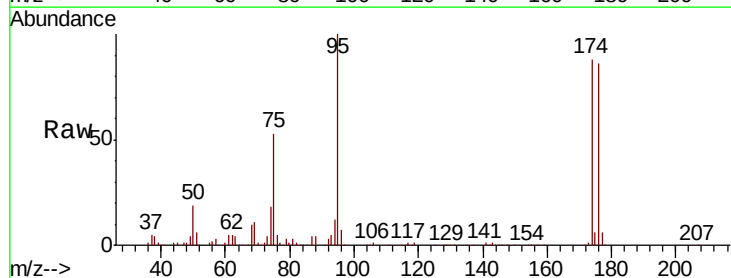
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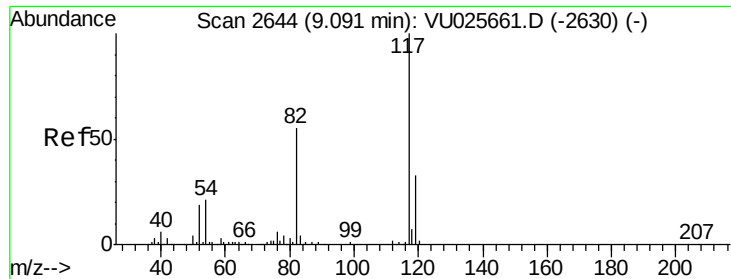
MMDadoda
7/31/2018 3:50:30 PM



#62
4-Bromofluorobenzene
Concen: 49.40 ug/l
RT: 10.31 min Scan# 3023
Delta R.T. 0.00 min
Lab File: VU025707.D
Acq: 28 Jul 2018 06:55

Tgt Ion: 95 Resp: 166473
Ion Ratio Lower Upper
95 100
174 89.0 0.0 172.2
176 86.2 0.0 162.6





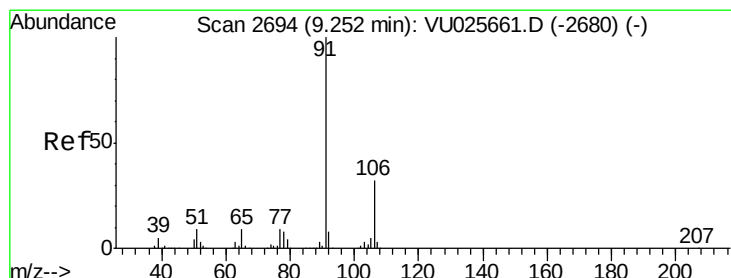
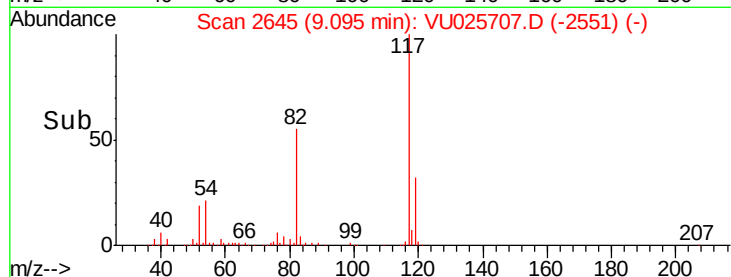
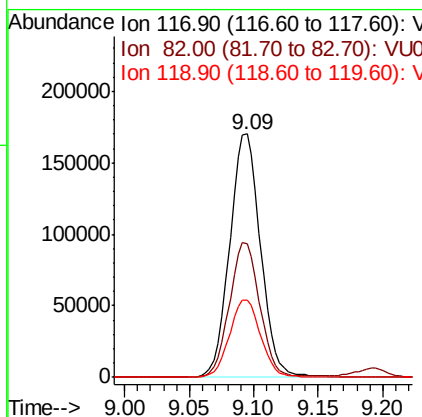
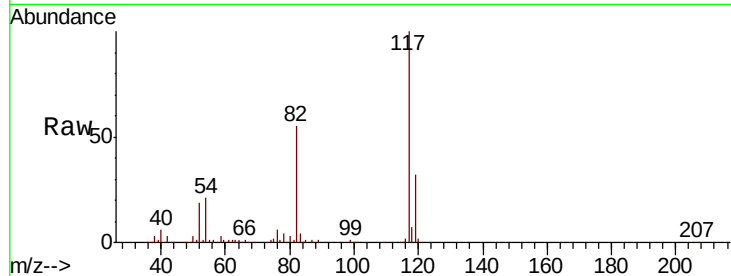
#63
Chlorobenzene-d5
Concen: 50.00 ug/l
RT: 9.09 min Scan# 2645
Delta R.T. 0.00 min
Lab File: VU025707.D
Acq: 28 Jul 2018 06:55

Instrument :
MSVOA_U
ClientSampleId :
FL-0514

Tot Ion	Ratio	Resp	Lower	Upper
117	100	282621		
82	54.9	46.0	69.0	
119	31.9	26.0	39.0	

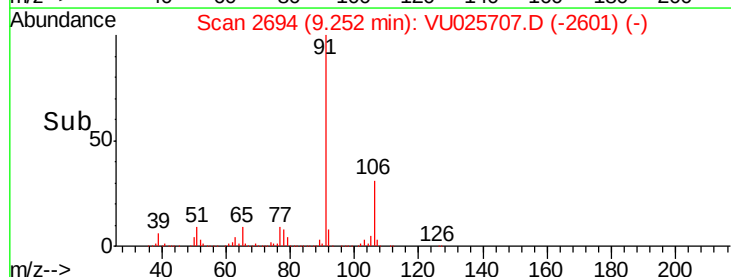
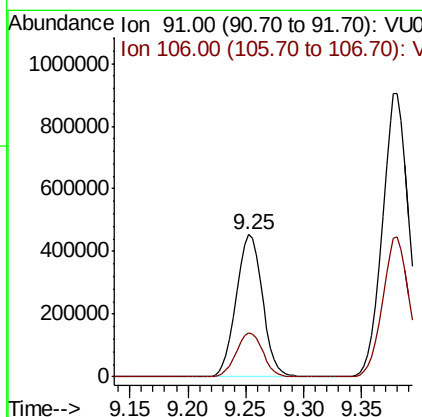
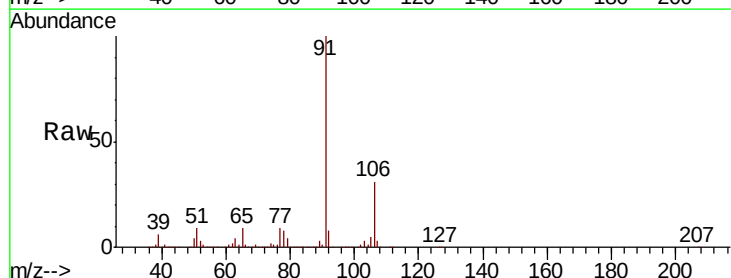
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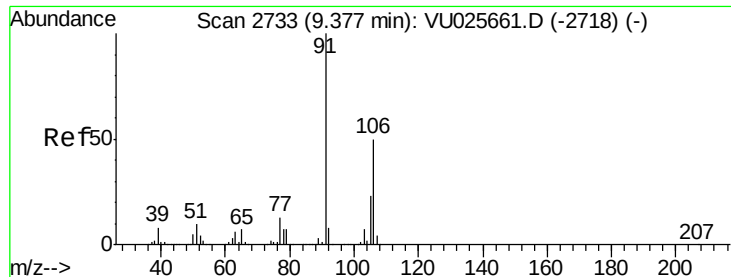
MMDadoda
7/31/2018 3:50:30 PM



#67
Ethyl Benzene
Concen: 58.97 ug/l
RT: 9.25 min Scan# 2694
Delta R.T. 0.00 min
Lab File: VU025707.D
Acq: 28 Jul 2018 06:55

Tgt Ion	Ratio	Resp	Lower	Upper
91	100	711720		
106	31.3	25.3	37.9	





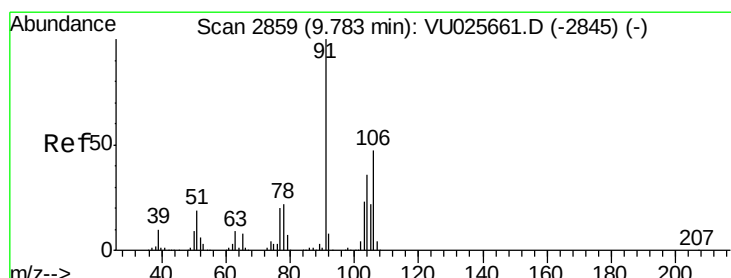
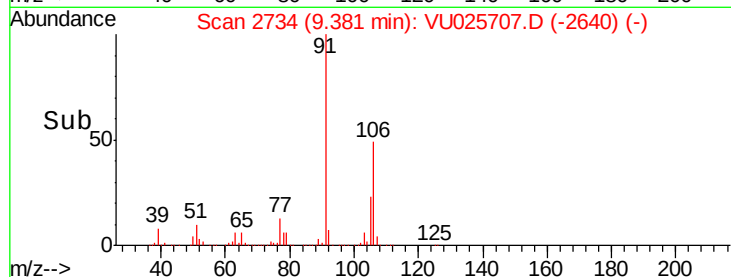
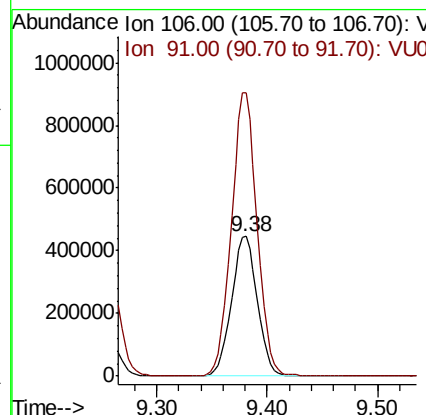
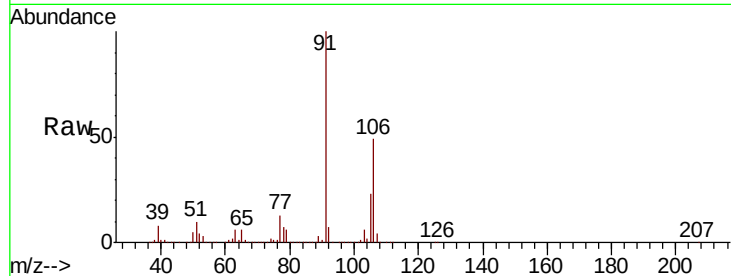
#68
m/p-Xylenes
Concen: 156.06 ug/l
RT: 9.38 min Scan# 2734
Delta R.T. 0.00 min
Lab File: VU025707.D
Acq: 28 Jul 2018 06:55

Instrument :
MSVOA_U
ClientSampled :
FL-0514

Tot Ion	Ion	Ratio	Lower	Upper
723171	106	100		
	91	201.7	162.3	243.5

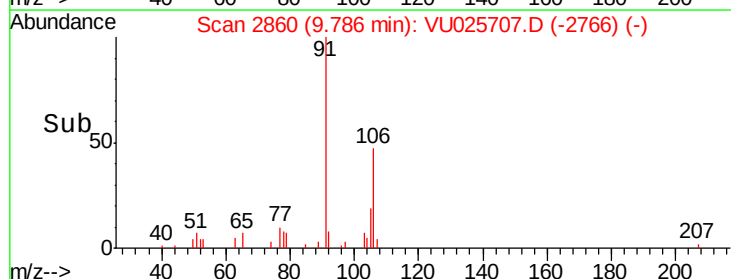
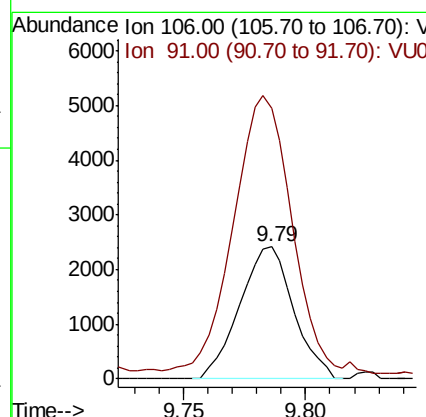
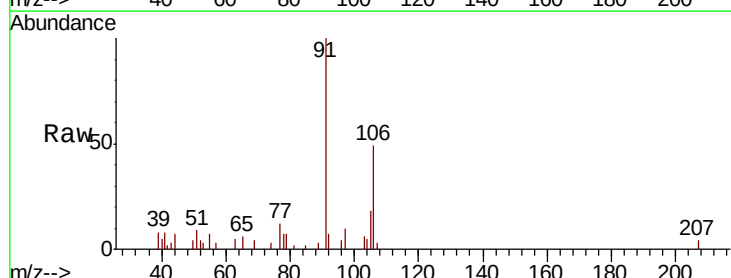
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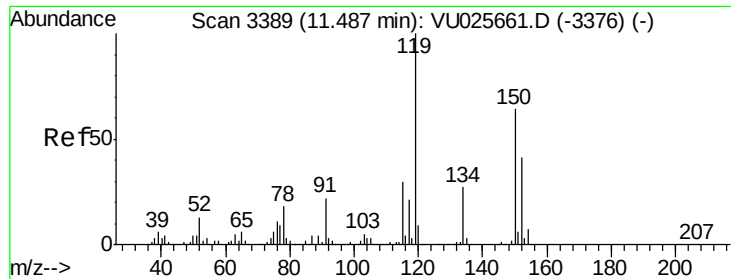
MMDadoda
7/31/2018 3:50:30 PM



#69
o-Xylene
Concen: 0.81 ug/l
RT: 9.79 min Scan# 2860
Delta R.T. 0.00 min
Lab File: VU025707.D
Acq: 28 Jul 2018 06:55

Tgt Ion	Ion	Ratio	Lower	Upper
3688	106	100		
	91	228.6	105.3	315.8





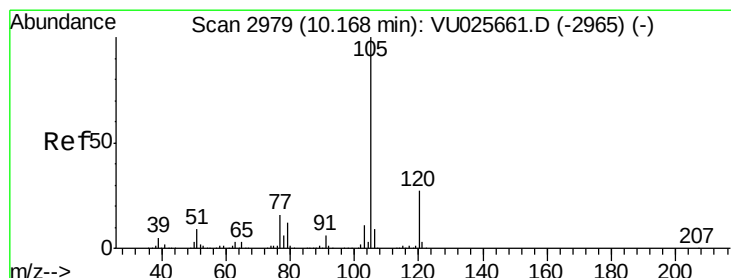
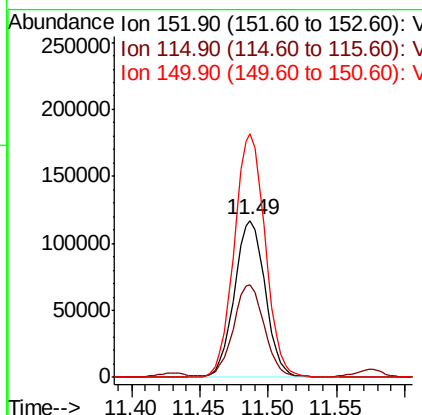
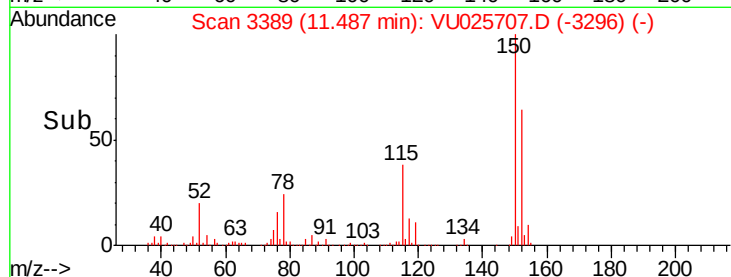
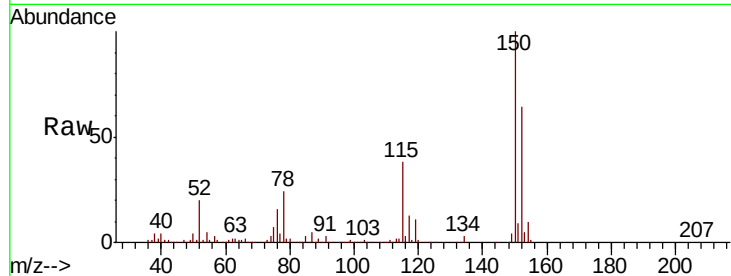
#72
 1,4-Dichlorobenzene-d4
 Concen: 50.00 ug/l
 RT: 11.49 min Scan# 3389
 Delta R.T. 0.00 min
 Lab File: VU025707.D
 Acq: 28 Jul 2018 06:55

Instrument :
 MSVOA_U
 ClientSampled :
 FL-0514

Tot Ion	Ratio	Resp	Lower	Upper
152	100	183768		
115	59.4	40.1	120.3	
150	156.1	0.0	351.4	

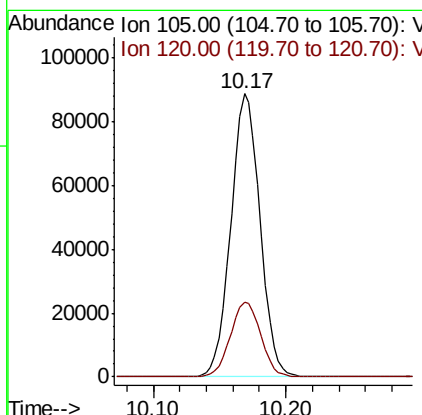
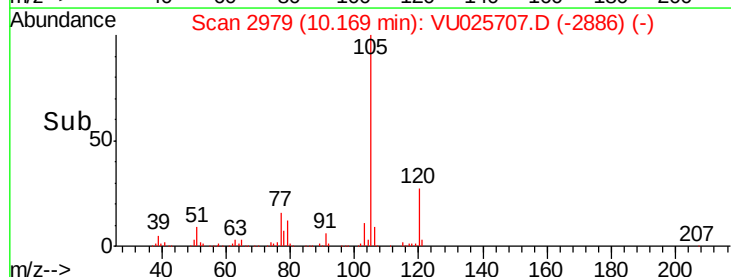
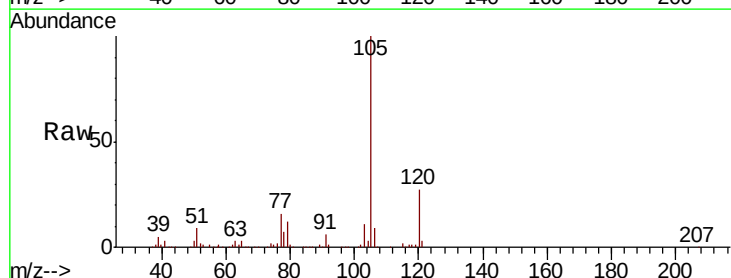
Manual Integrations
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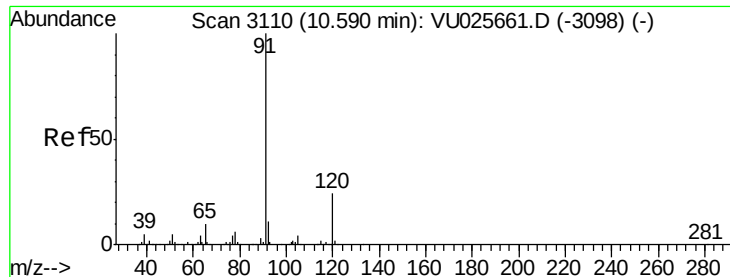
MMDadoda
 7/31/2018 3:50:30 PM



#73
 Isopropylbenzene
 Concen: 10.80 ug/l
 RT: 10.17 min Scan# 2979
 Delta R.T. 0.00 min
 Lab File: VU025707.D
 Acq: 28 Jul 2018 06:55

Tgt Ion	Ratio	Resp	Lower	Upper
105	100	135398		
120	27.5	13.5	40.5	





#78

n-propylbenzene

Concen: 12.88 ug/l

RT: 10.59 min Scan# 3110

Delta R.T. 0.00 min

Lab File: VU025707.D

Acq: 28 Jul 2018 06:55

Instrument :

MSVOA_U

ClientSampled :

FL-0514

Tot Ion: 91 Resp: 188583

Ion Ratio Lower Upper

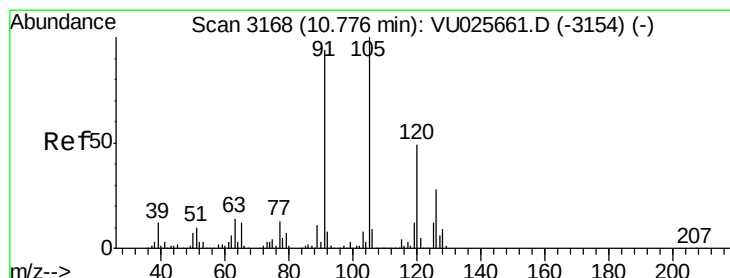
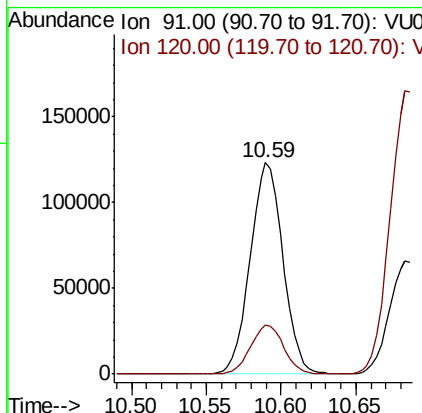
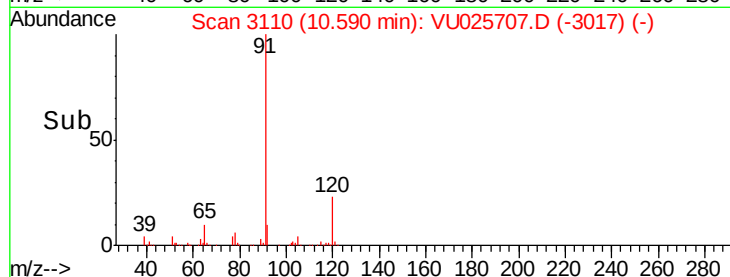
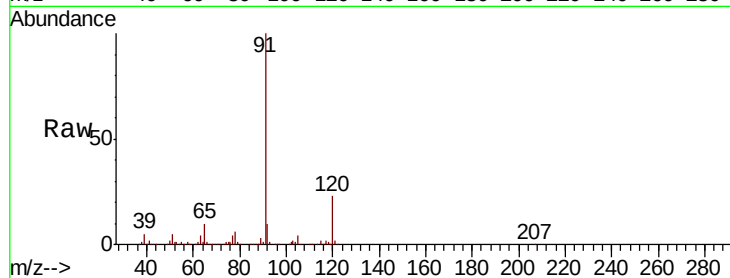
91 100

120 23.4 11.8 35.3

Manual Integrations
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#80

1,3,5-Trimethylbenzene

Concen: 50.53 ug/l

RT: 10.78 min Scan# 3168

Delta R.T. 0.00 min

Lab File: VU025707.D

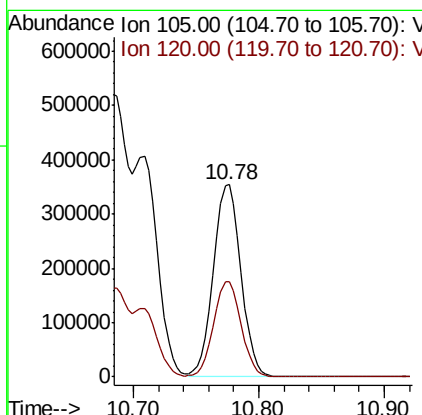
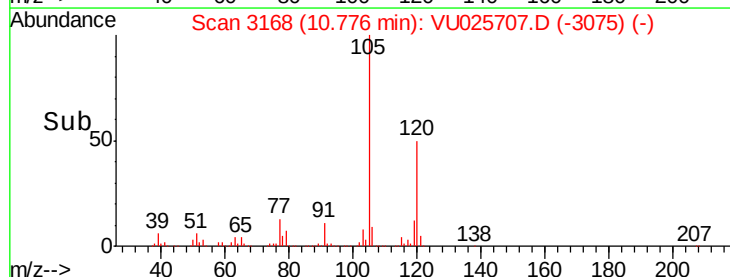
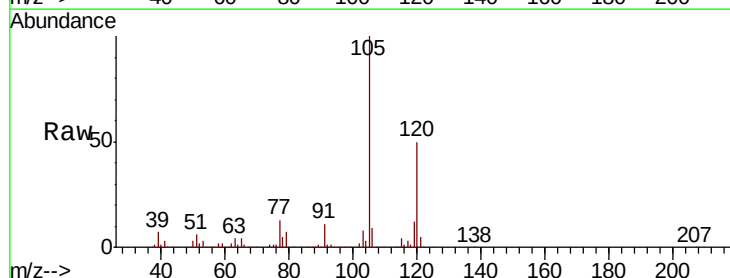
Acq: 28 Jul 2018 06:55

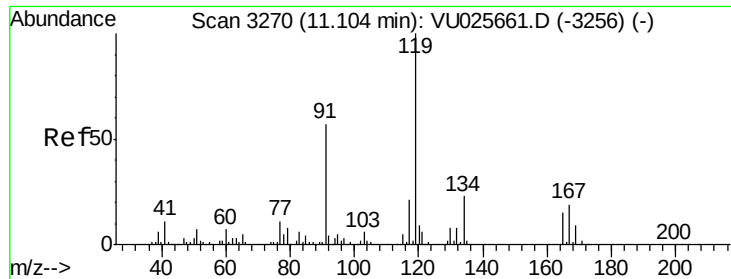
Tgt Ion: 105 Resp: 538274

Ion Ratio Lower Upper

105 100

120 49.6 24.1 72.2





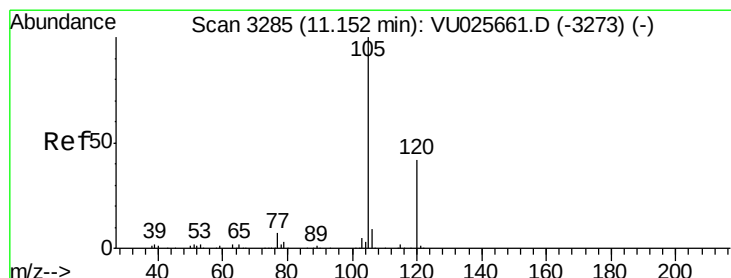
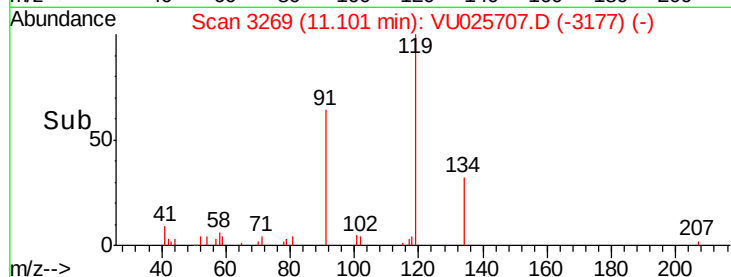
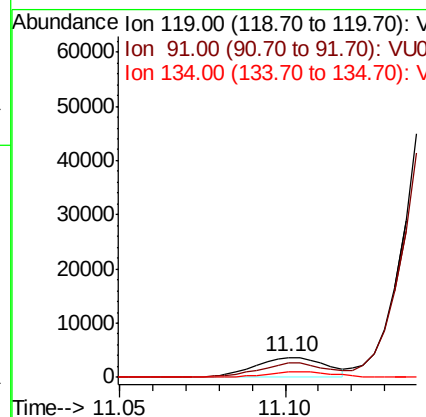
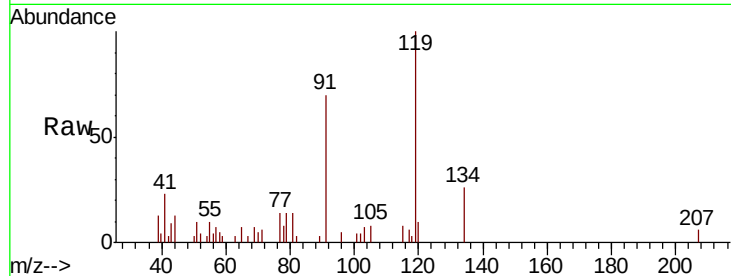
#83
 tert-Butylbenzene
 Concen: 0.52 ug/l
 RT: 11.10 min Scan# 3269
 Delta R.T. -0.00 min
 Lab File: VU025707.D
 Acq: 28 Jul 2018 06:55

Instrument :
 MSVOA_U
 ClientSampleId :
 FL-0514

Tot Ion	Ratio	Lower	Upper
119	100		
91	69.1	29.7	89.1
134	25.8	11.5	34.5

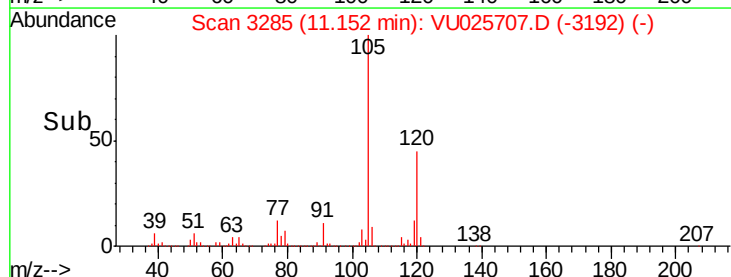
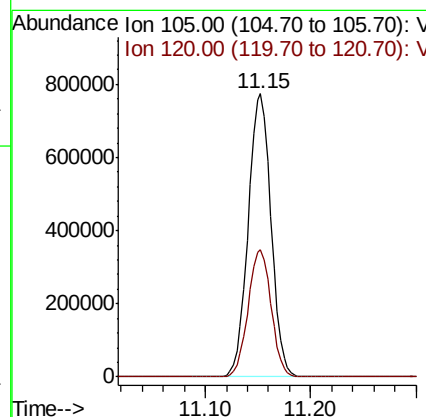
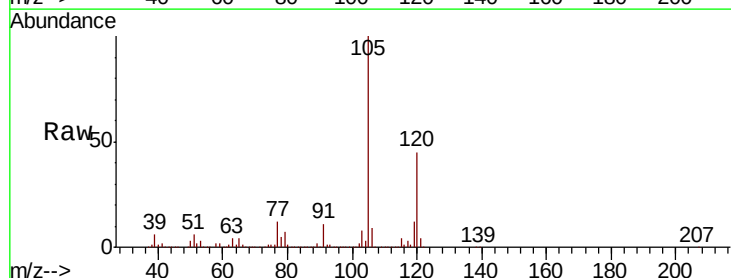
Manual Integrations
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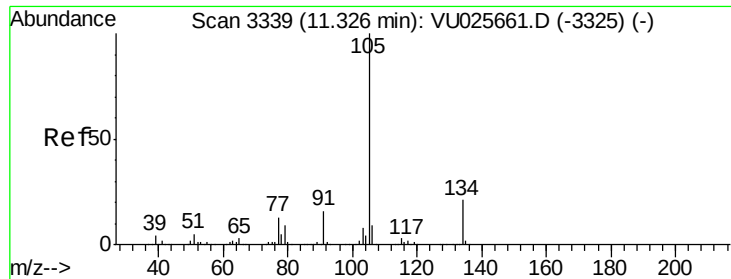
MMDadoda
 7/31/2018 3:50:30 PM



#84
 1,2,4-Trimethylbenzene
 Concen: 107.58 ug/l
 RT: 11.15 min Scan# 3285
 Delta R.T. 0.00 min
 Lab File: VU025707.D
 Acq: 28 Jul 2018 06:55

Tgt Ion	Ratio	Lower	Upper
105	100		
120	45.3	22.3	66.8





#85

sec-Butylbenzene

Concen: 1.78 ug/l m

RT: 11.33 min Scan# 3339

Delta R.T. 0.00 min

Lab File: VU025707.D

Acq: 28 Jul 2018 06:55

Instrument :

MSVOA_U

ClientSampled :

FL-0514

Tot Ion:105 Resp: 23025

Ion Ratio Lower Upper

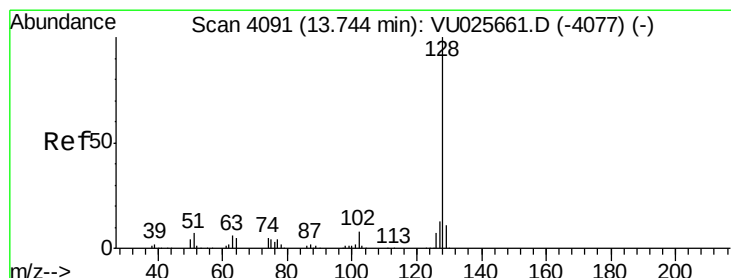
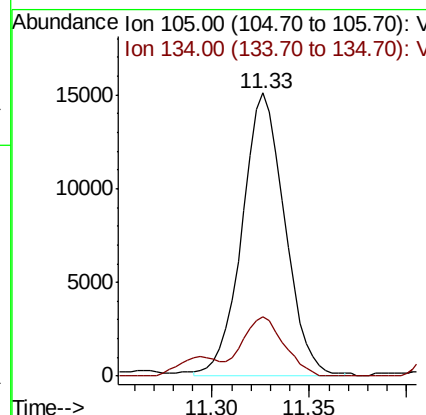
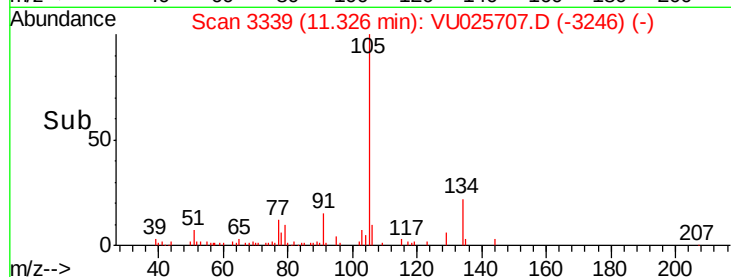
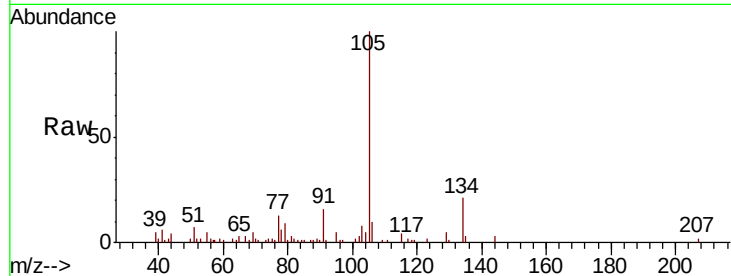
105 100

134 0.0 10.3 30.8#

Manual Integrations
APPROVED

MMDadoda

7/31/2018 3:50:30 PM



#95

Naphthalene

Concen: 34.84 ug/l

RT: 13.74 min Scan# 4091

Delta R.T. 0.00 min

Lab File: VU025707.D

Acq: 28 Jul 2018 06:55

Tgt Ion:128 Resp: 470057

Ion Ratio Lower Upper

128 100

127 13.0 10.5 15.7

129 11.2 8.3 12.5

