

Data Path : Z:\VOASRV\HPCHEM1\MSVOA U\DATA\VU080618\
 Data File : VU025899.D
 Acq On : 06 Aug 2018 20:25
 Operator : MD/SY
 Sample : J4263-04
 Misc : 5.0mL/MSVOA U/WATER
 ALS Vial : 22 Sample Multiplier: 1

Instrument :
 MSVOA_U
 ClientSampleId :
 FL-0523

Manual Integrations
 APPROVED

MMDadoda
 8/7/2018 1:51:40 PM

Quant Time: Aug 07 09:00:37 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	177638	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	5.89	114	287113	50.00	ug/l	0.00
63) Chlorobenzene-d5	9.09	117	286510	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	11.49	152	180055	50.00	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	5.31	65	144071	52.05	ug/l	0.00
Spiked Amount 50.000			Recovery	=	104.10%	
35) Dibromofluoromethane	4.89	113	120924	48.42	ug/l	0.00
Spiked Amount 50.000			Recovery	=	96.84%	
50) Toluene-d8	7.57	98	425957	48.75	ug/l	0.00
Spiked Amount 50.000			Recovery	=	97.50%	
62) 4-Bromofluorobenzene	10.31	95	168605	49.71	ug/l	0.00
Spiked Amount 50.000			Recovery	=	99.42%	
Target Compounds						
						Qvalue
31) Cyclohexane	5.00	56	54355	14.45	ug/l	95
39) Methylcyclohexane	6.42	83	33014	8.59	ug/l	95
40) Benzene	5.40	78	9643	0.98	ug/l	96
67) Ethyl Benzene	9.25	91	484938	39.63	ug/l	99
68) m/p-Xylenes	9.38	106	110582	23.54	ug/l	99
69) o-Xylene	9.78	106	1977	0.43	ug/l	79
73) Isopropylbenzene	10.17	105	122284	9.95	ug/l	100
78) n-propylbenzene	10.59	91	208059	14.51	ug/l	100
84) 1,2,4-Trimethylbenzene	11.15	105	317864	30.05	ug/l	98
85) sec-Butylbenzene	11.33	105	36801	2.91	ug/l	99
89) n-Butylbenzene	11.89	91	8537m	0.82	ug/l	
95) Naphthalene	13.75	128	101243	8.63	ug/l	99

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

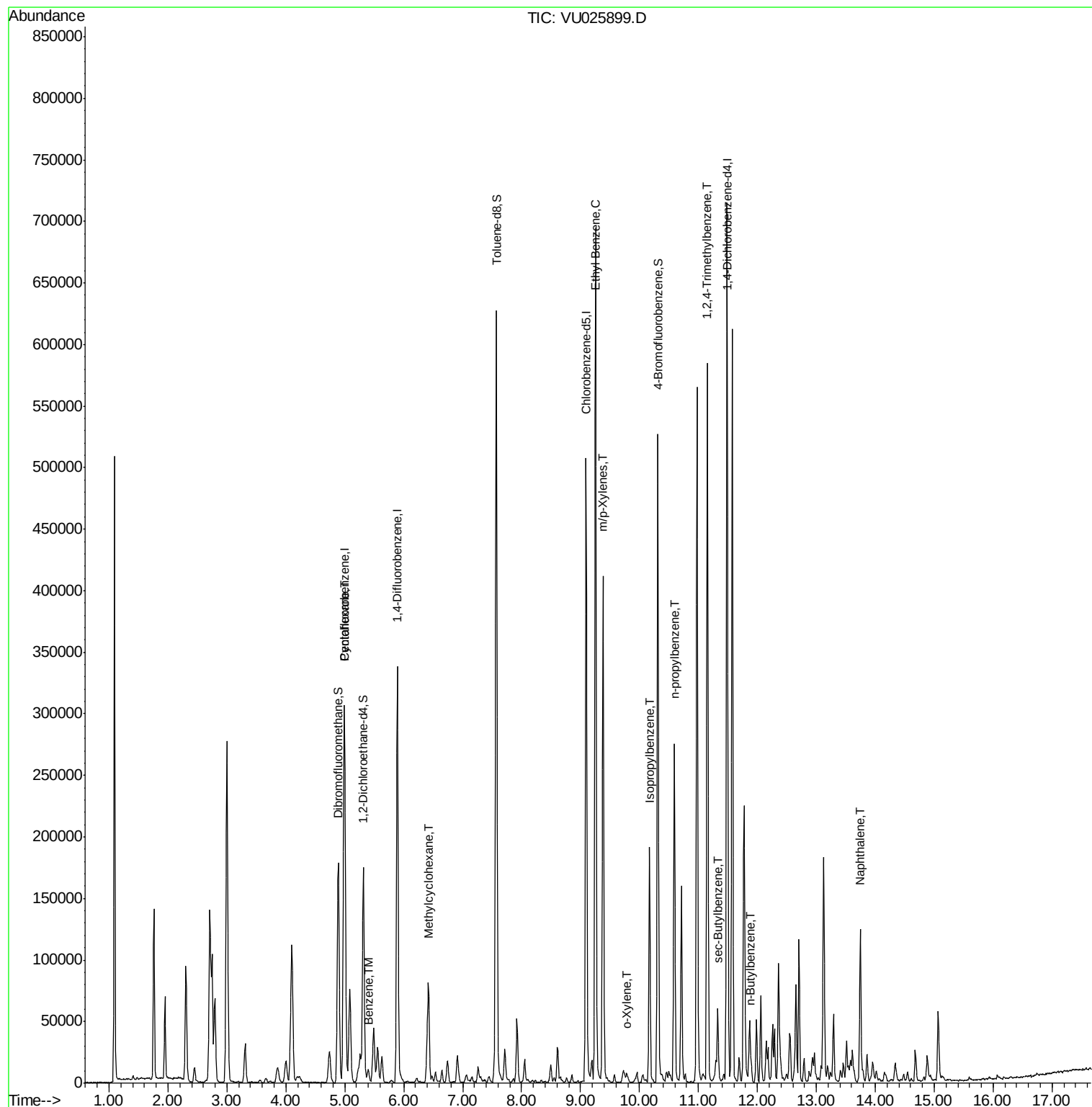
Data Path : Z:\V0ASRV\HPCHEM1\MSVOA U\DATA\VU080618\
Data File : VU025899.D
Acq On : 06 Aug 2018 20:25
Operator : MD/SY
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Misc : 5.0mL/MSVOA U/WATER
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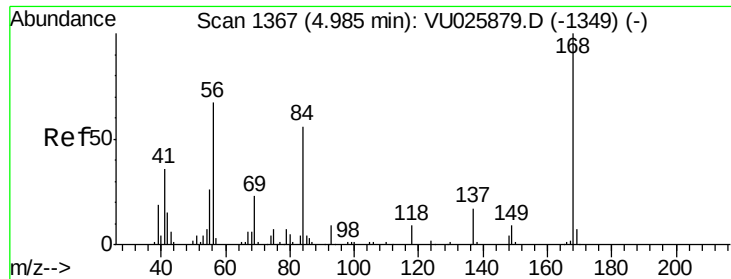
Instrument :
MSVOA_U
ClientSampleId :
FL-0523

Manual Integrations
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Quant Time: Aug 07 09:00:37 2018
Quant Method : Z:\V0ASRV\HPCHEM1\MSVOA_U\METHOD\82U072718W.M
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: VU025899.D

Acq: 06 Aug 2018 20:25

Instrument :

MSVOA_U

ClientSampled :

FL-0523

Tot Ion:168 Resp: 177638

Ion Ratio Lower Upper

168 100

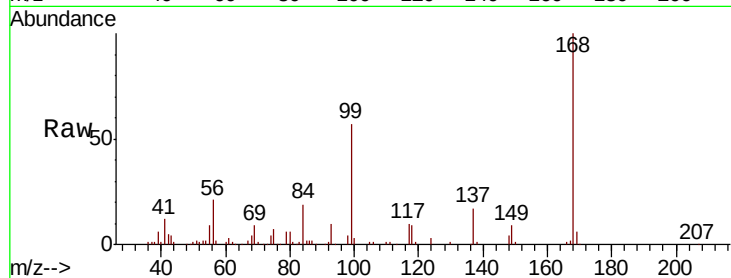
99 56.5 42.8 64.2

Manual Integrations

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Abundance Ion 167.90 (167.60 to 168.60): VU025899.D (-1275) (-)

Ion 98.90 (98.60 to 99.60): VU025899.D (-1275) (-)

4.99

80000

60000

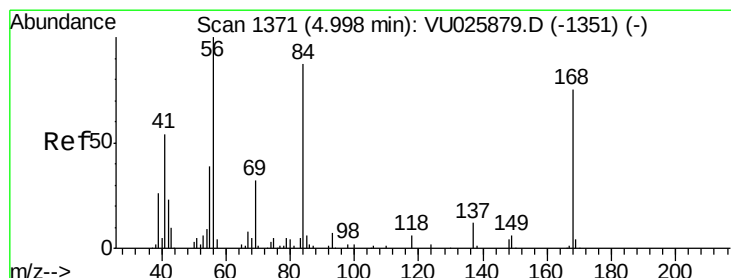
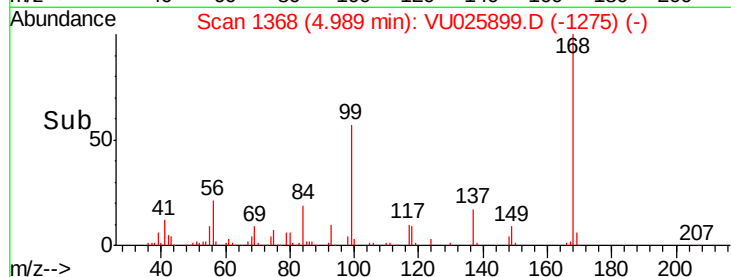
40000

20000

0

Time-->

4.90 5.00 5.10



#31

Cyclohexane

Concen: 14.45 ug/l

RT: 5.00 min Scan# 1372

Delta R.T. 0.00 min

Lab File: VU025899.D

Acq: 06 Aug 2018 20:25

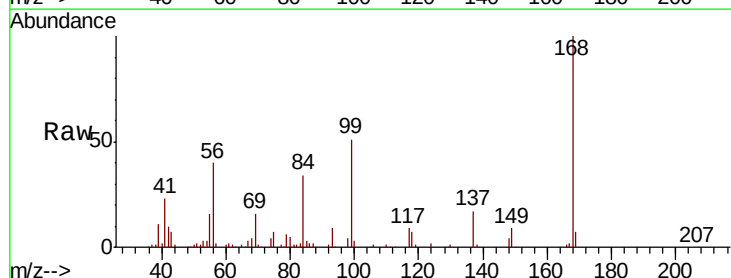
Tgt Ion: 56 Resp: 54355

Ion Ratio Lower Upper

56 100

69 38.8 26.8 40.2

84 84.4 69.7 104.5



Abundance Ion 56.00 (55.70 to 56.70): VU025899.D (-1279) (-)

Ion 69.00 (68.70 to 69.70): VU025899.D (-1279) (-)

Ion 84.00 (83.70 to 84.70): VU025899.D (-1279) (-)

5.00

30000

25000

20000

15000

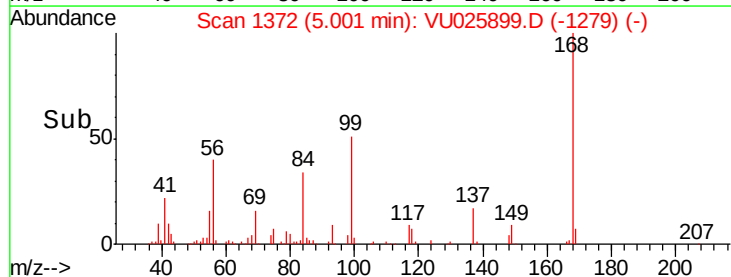
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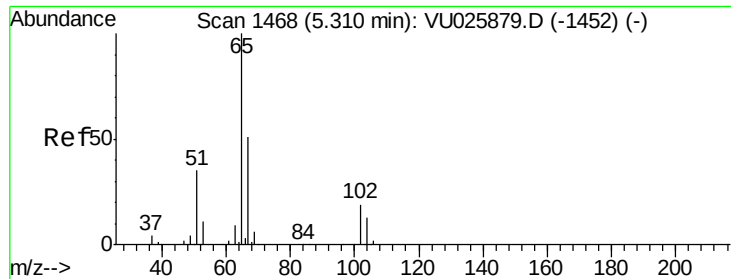
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0

Time-->

4.90 4.95 5.00 5.05





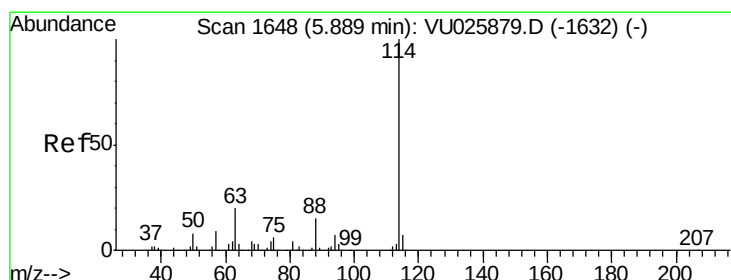
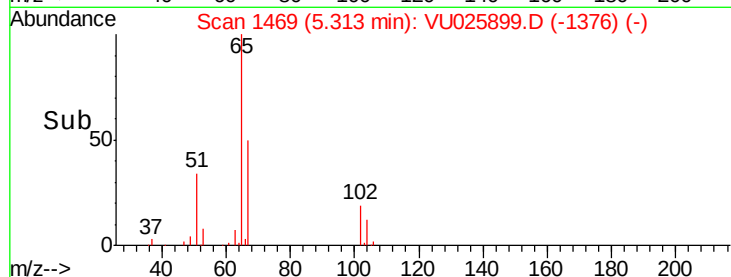
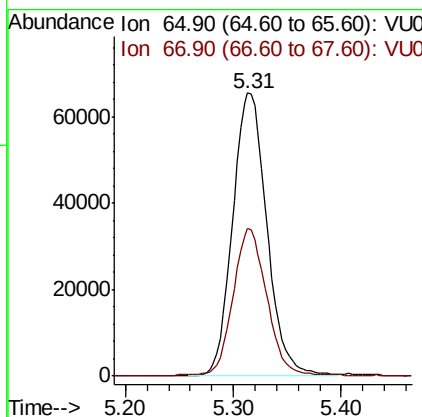
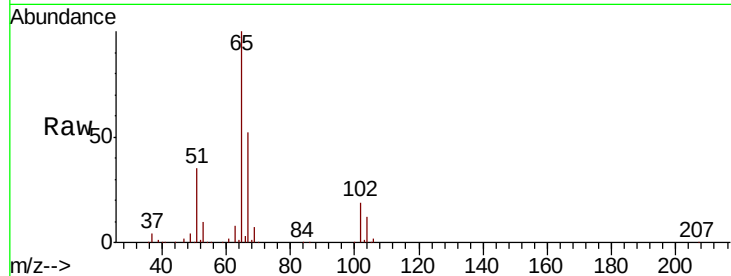
#33
 1,2-Dichloroethane-d4
 Concen: 52.05 ug/l
 RT: 5.31 min Scan# 1469
 Delta R.T. 0.00 min
 Lab File: VU025899.D
 Acq: 06 Aug 2018 20:25

Instrument :
 MSVOA_U
 ClientSampleId :
 FL-0523

Tot Ion	Ratio	Resp	Lower	Upper
65	100	144071		
67	50.1	0.0	103.6	

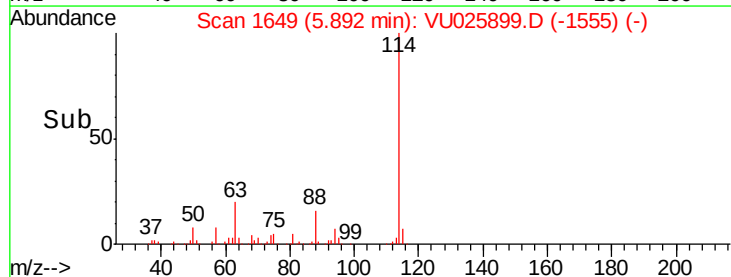
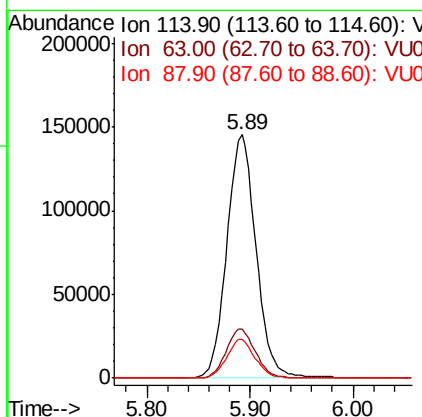
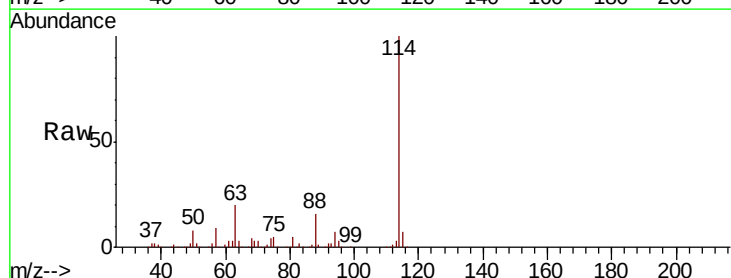
Manual Integrations
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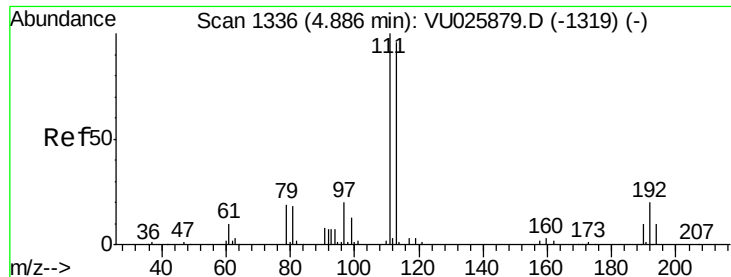
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#34
 1,4-Difluorobenzene
 Concen: 50.00 ug/l
 RT: 5.89 min Scan# 1649
 Delta R.T. 0.00 min
 Lab File: VU025899.D
 Acq: 06 Aug 2018 20:25

Tgt Ion	Ratio	Resp	Lower	Upper
114	100	287113		
63	20.1	0.0	41.6	
88	16.0	0.0	32.4	





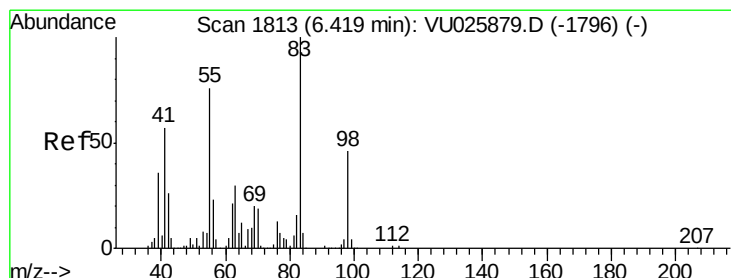
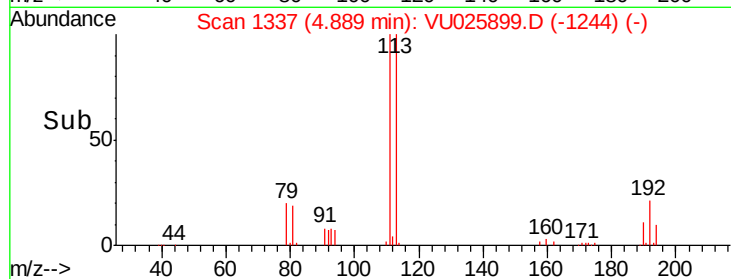
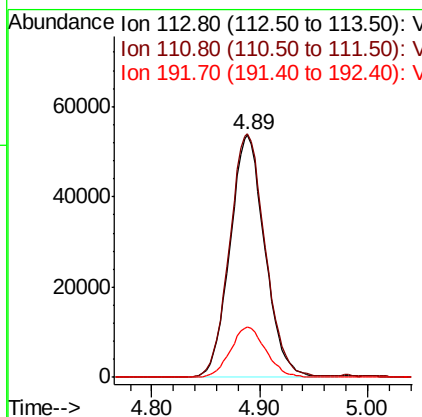
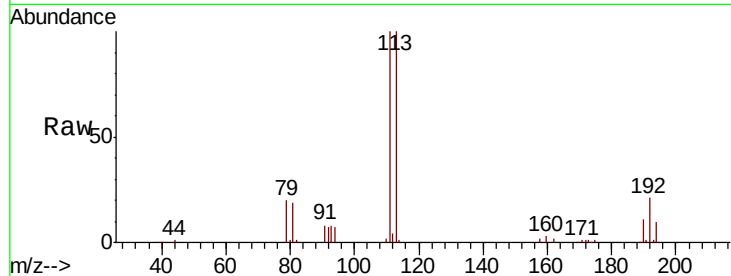
#35
 Dibromofluoromethane
 Concen: 48.42 ug/l
 RT: 4.89 min Scan# 1337
 Delta R.T. 0.00 min
 Lab File: VU025899.D
 Acq: 06 Aug 2018 20:25

Instrument :
 MSVOA_U
 ClientSampleId :
 FL-0523

Tot Ion	Ratio	Resp	Lower	Upper
113	100	120924		
111	103.0		81.7	122.5
192	21.0		17.1	25.7

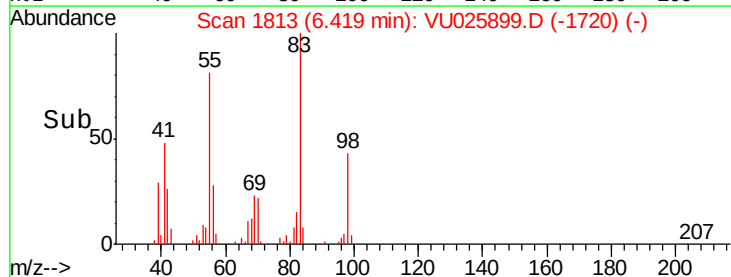
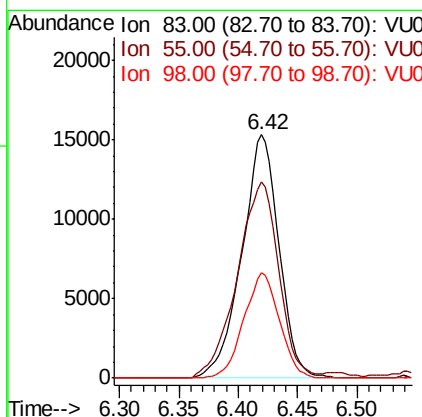
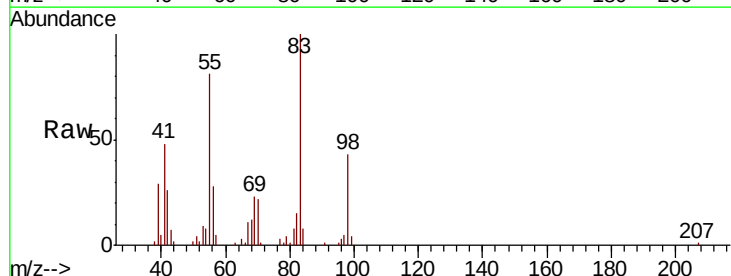
Manual Integrations
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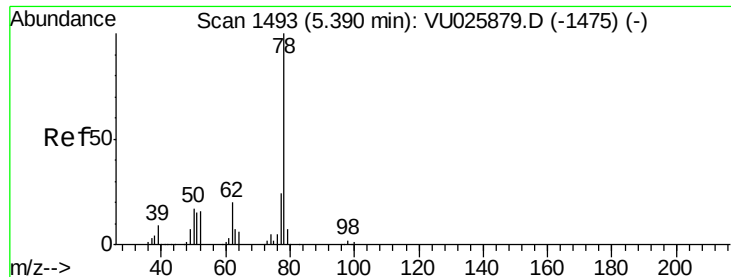
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 8/7/2018 1:51:40 PM



#39
 Methylcyclohexane
 Concen: 8.59 ug/l
 RT: 6.42 min Scan# 1813
 Delta R.T. 0.00 min
 Lab File: VU025899.D
 Acq: 06 Aug 2018 20:25

Tgt Ion	Ratio	Resp	Lower	Upper
83	100	33014		
55	80.7		60.0	90.0
98	43.2		36.1	54.1





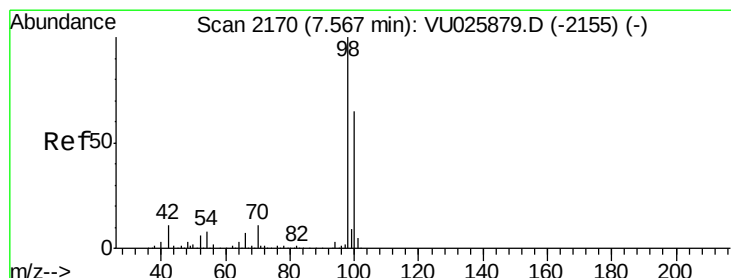
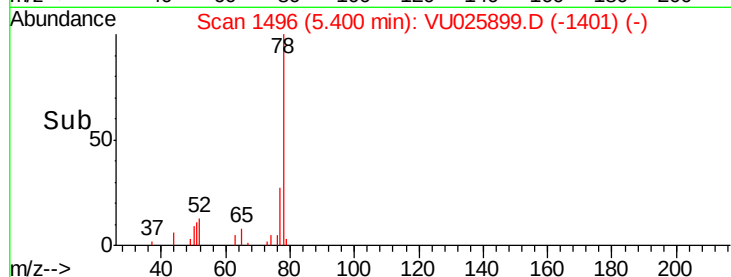
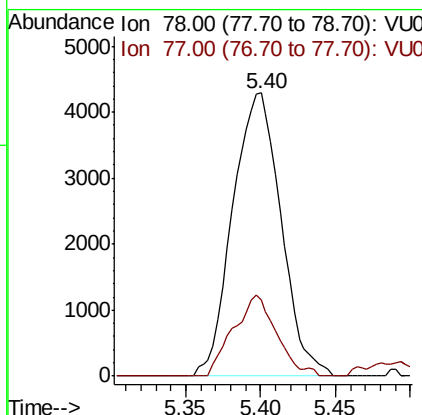
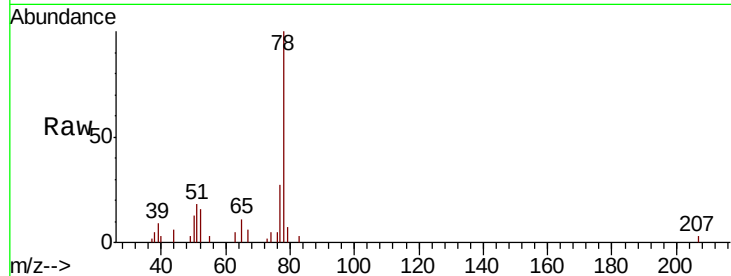
#40
Benzene
Concen: 0.98 ug/l
RT: 5.40 min Scan# 1496
Delta R.T. 0.01 min
Lab File: VU025899.D
Acq: 06 Aug 2018 20:25

Instrument :
MSVOA_U
ClientSampled :
FL-0523

Tot Ion	Ratio	Lower	Upper
78	100		
77	26.8	19.8	29.6

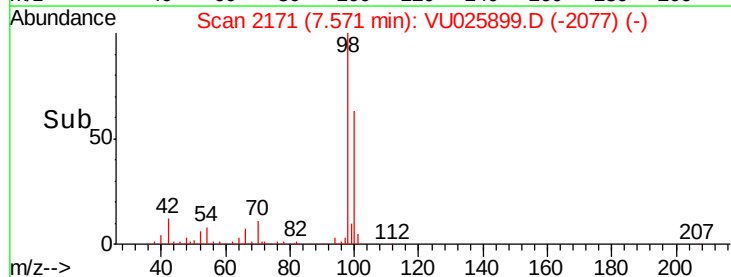
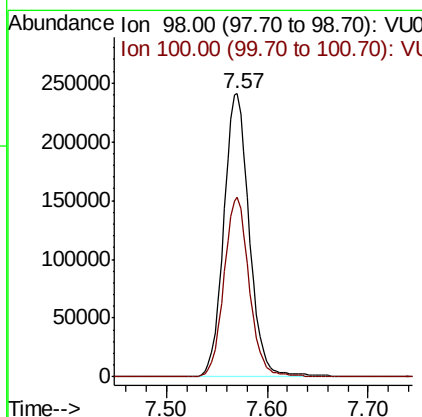
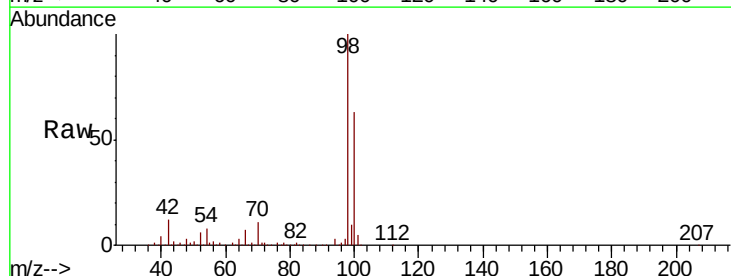
Manual Integrations
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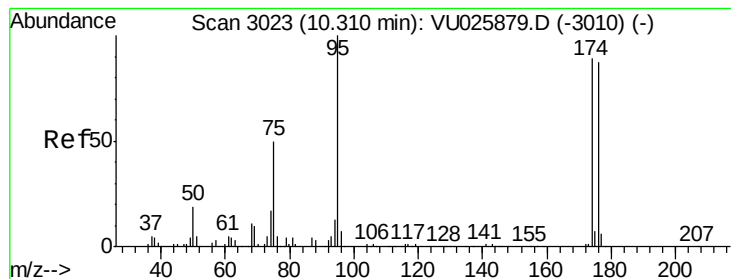
MMDadoda
8/7/2018 1:51:40 PM



#50
Toluene-d8
Concen: 48.75 ug/l
RT: 7.57 min Scan# 2171
Delta R.T. 0.00 min
Lab File: VU025899.D
Acq: 06 Aug 2018 20:25

Tgt Ion	Ratio	Lower	Upper
98	100		
100	63.0	51.1	76.7





#62

4-Bromofluorobenzene

Concen: 49.71 ug/l

RT: 10.31 min Scan# 3023

Delta R.T. 0.00 min

Lab File: VU025899.D

Acq: 06 Aug 2018 20:25

Instrument :

MSVOA_U

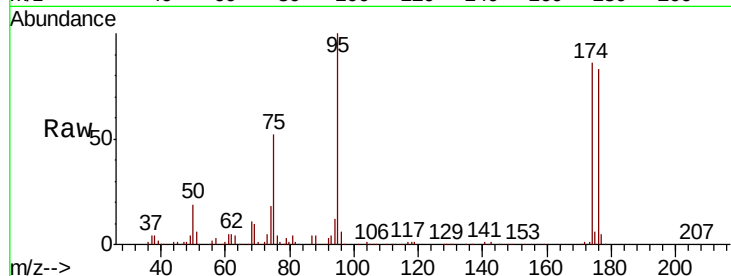
ClientSampled :

FL-0523

Tot Ion:	95	Resp:	168605
Ion Ratio	Lower	Upper	
95	100		
174	86.5	0.0	172.2
176	83.9	0.0	162.6

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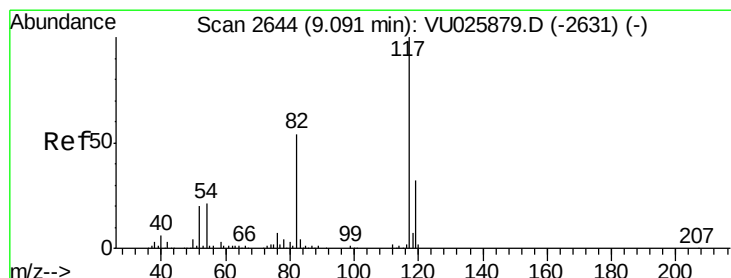
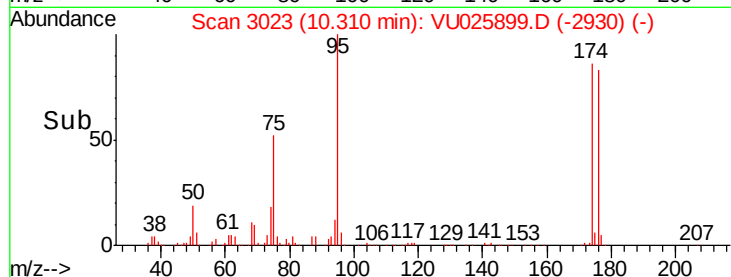
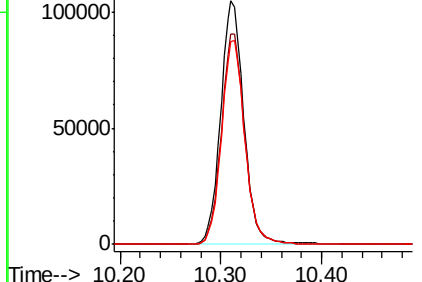
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Abundance Ion 94.90 (94.60 to 95.60): VU025879.D (-3010) (-)

Ion 173.80 (173.50 to 174.50): VU025879.D (-3010) (-)

Ion 175.80 (175.50 to 176.50): VU025879.D (-3010) (-)



#63

Chlorobenzene-d5

Concen: 50.00 ug/l

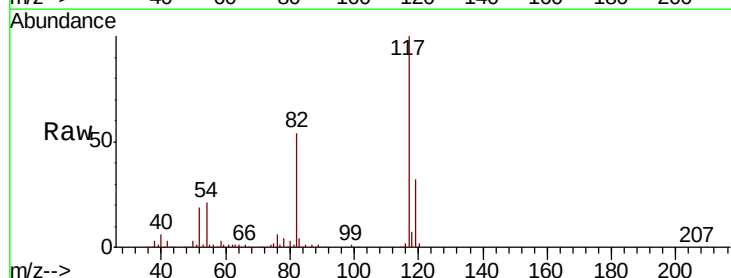
RT: 9.09 min Scan# 2645

Delta R.T. 0.00 min

Lab File: VU025899.D

Acq: 06 Aug 2018 20:25

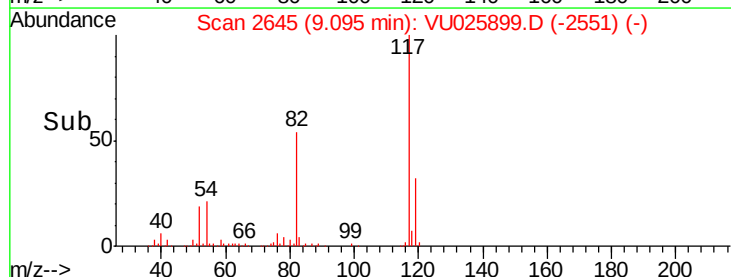
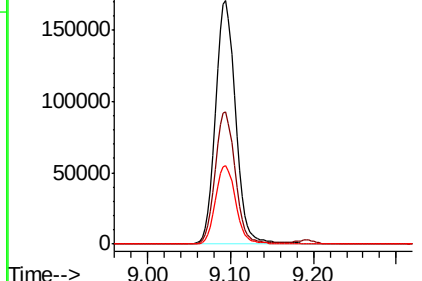
Tgt Ion:	117	Resp:	286510
Ion Ratio	Lower	Upper	
117	100		
82	54.1	46.0	69.0
119	32.2	26.0	39.0

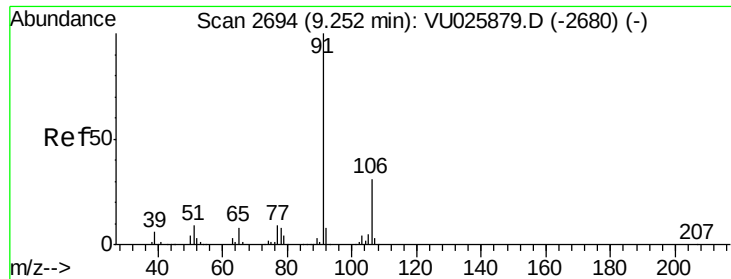


Abundance Ion 116.90 (116.60 to 117.60): VU025879.D (-2631) (-)

Ion 82.00 (81.70 to 82.70): VU025879.D (-2631) (-)

Ion 118.90 (118.60 to 119.60): VU025879.D (-2631) (-)





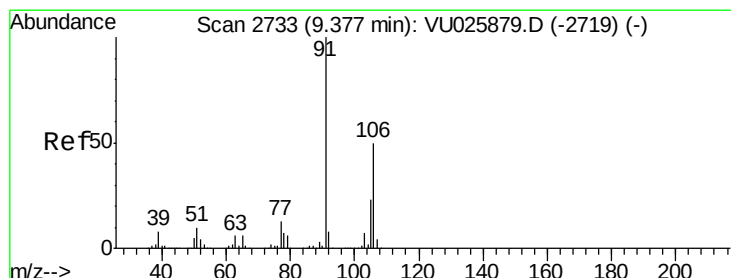
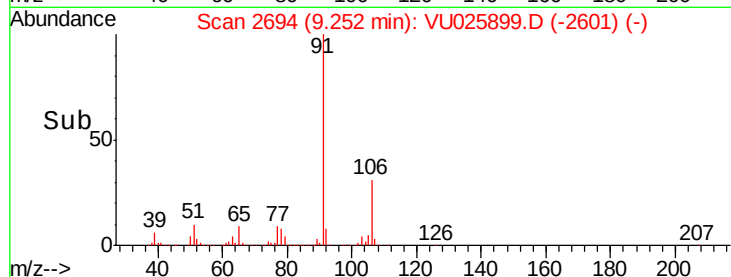
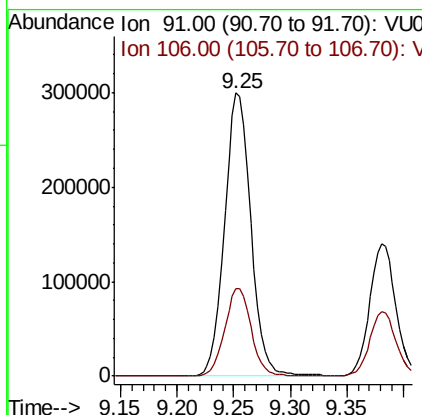
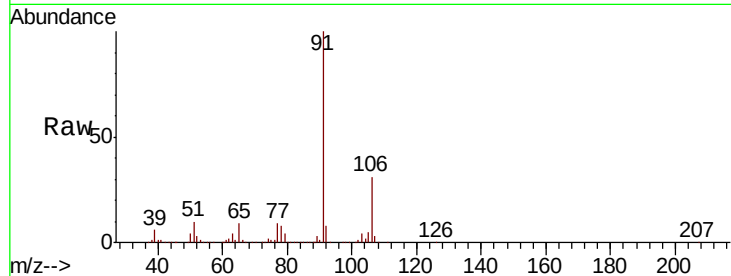
#67
Ethyl Benzene
Concen: 39.63 ug/l
RT: 9.25 min Scan# 2694
Delta R.T. 0.00 min
Lab File: VU025899.D
Acq: 06 Aug 2018 20:25

Instrument :
MSVOA_U
ClientSampleId :
FL-0523

Tot Ion	Ratio	Lower	Upper
91	100		
106	31.0	25.3	37.9

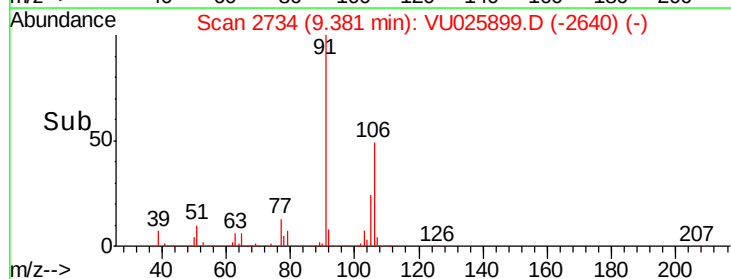
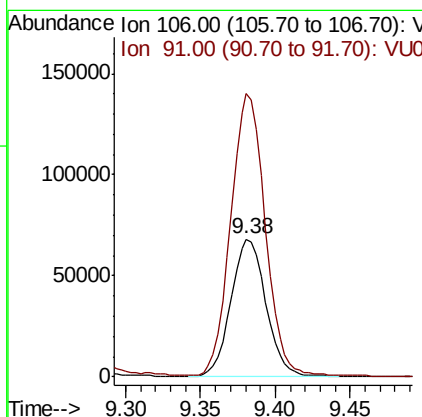
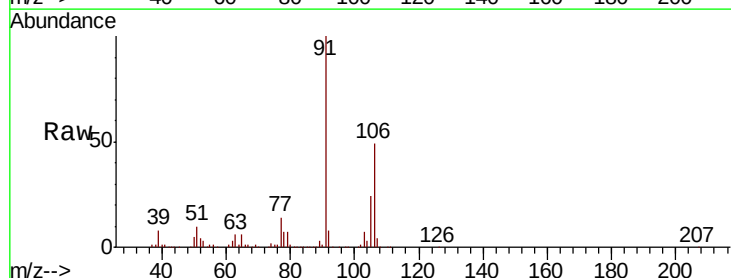
Manual Integrations
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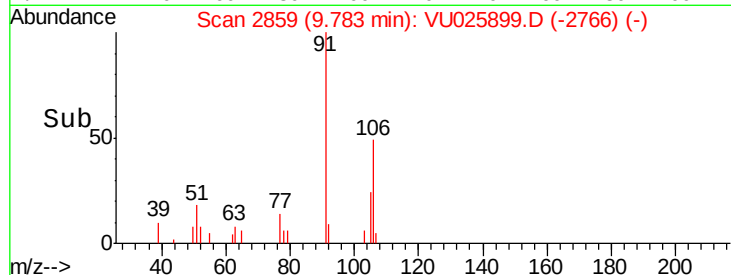
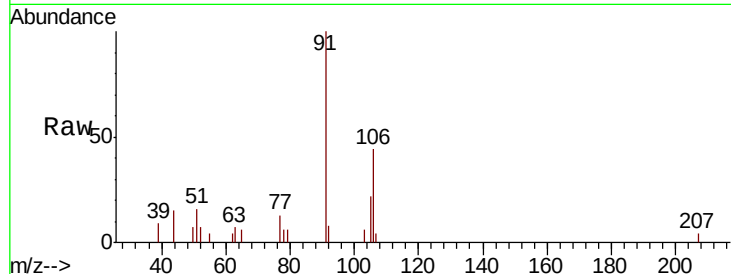
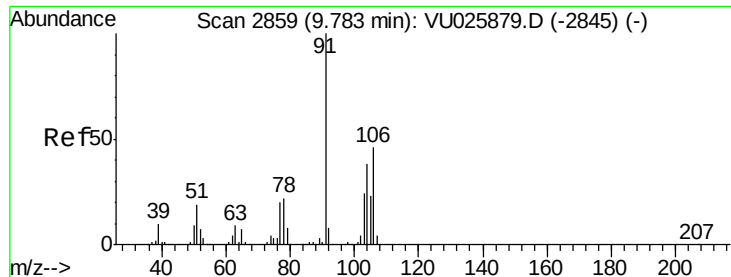
MMDadoda
8/7/2018 1:51:40 PM



#68
m/p-Xylenes
Concen: 23.54 ug/l
RT: 9.38 min Scan# 2734
Delta R.T. 0.00 min
Lab File: VU025899.D
Acq: 06 Aug 2018 20:25

Tgt Ion	Ratio	Lower	Upper
106	100		
91	204.5	162.3	243.5





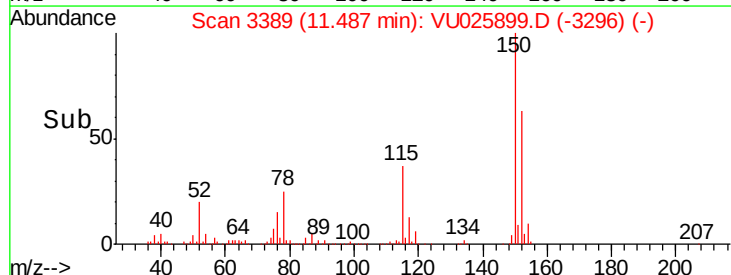
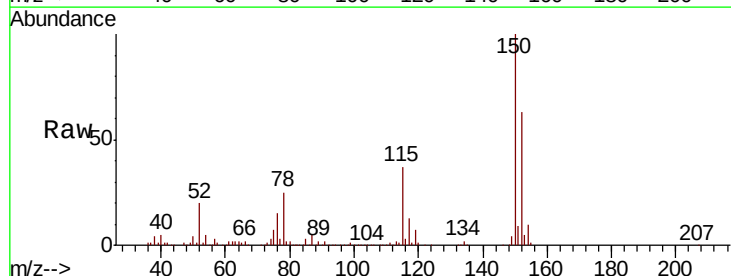
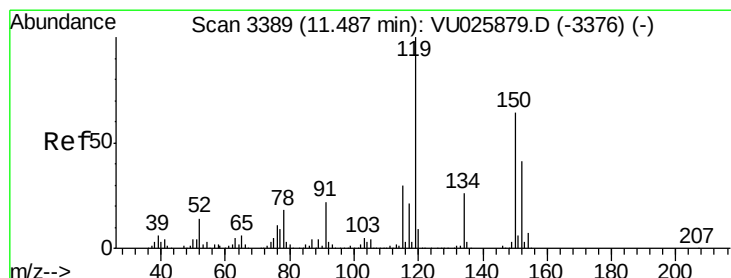
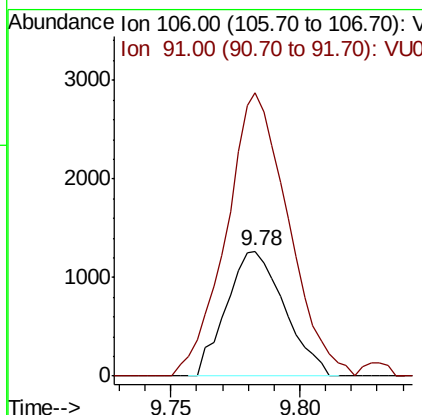
#69
o-Xylene
Concen: 0.43 ug/l
RT: 9.78 min Scan# 2859
Delta R.T. 0.00 min
Lab File: VU025899.D
Acq: 06 Aug 2018 20:25

Tot Ion	Ratio	Resp	Lower	Upper
106	100	1977		
91	243.9	105.3	315.8	

Instrument :
MSVOA_U
ClientSampleId :
FL-0523

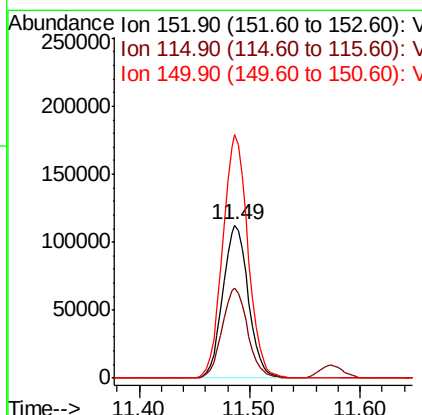
Manual Integrations
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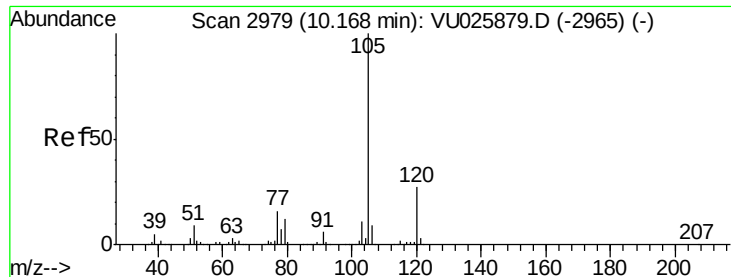
MMDadoda
8/7/2018 1:51:40 PM



#72
1,4-Dichlorobenzene-d4
Concen: 50.00 ug/l
RT: 11.49 min Scan# 3389
Delta R.T. 0.00 min
Lab File: VU025899.D
Acq: 06 Aug 2018 20:25

Tgt Ion	Ratio	Resp	Lower	Upper
152	100	180055		
115	58.4	40.1	120.3	
150	157.7	0.0	351.4	





#73

Isopropylbenzene

Concen: 9.95 ug/l

RT: 10.17 min Scan# 2979

Delta R.T. 0.00 min

Lab File: VU025899.D

Acq: 06 Aug 2018 20:25

Instrument :

MSVOA_U

ClientSampleId :

FL-0523

Tot Ion: 105 Resp: 122284

Ion Ratio Lower Upper

105 100

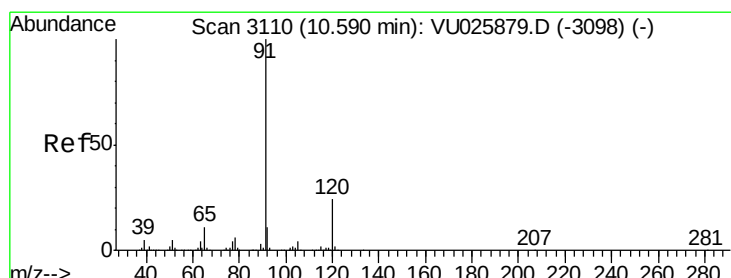
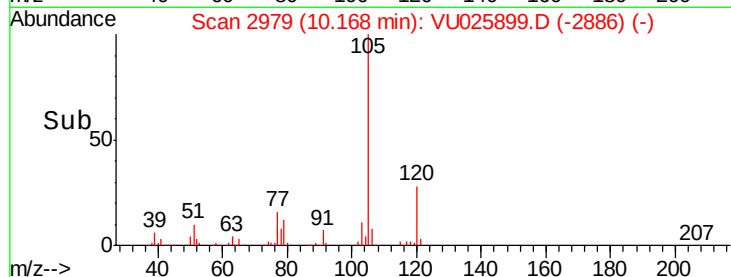
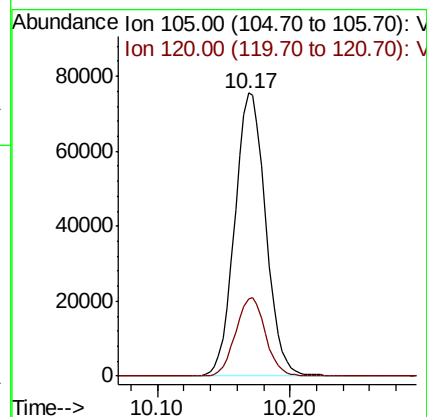
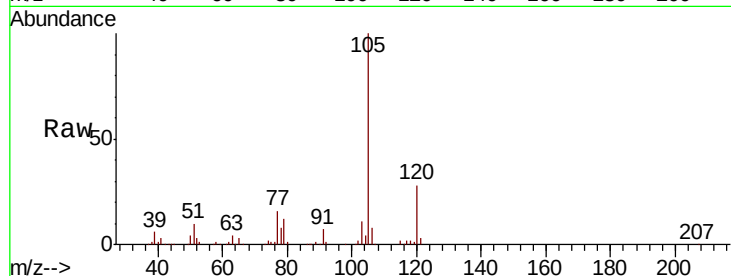
120 26.8 13.5 40.5

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#78

n-propylbenzene

Concen: 14.51 ug/l

RT: 10.59 min Scan# 3110

Delta R.T. 0.00 min

Lab File: VU025899.D

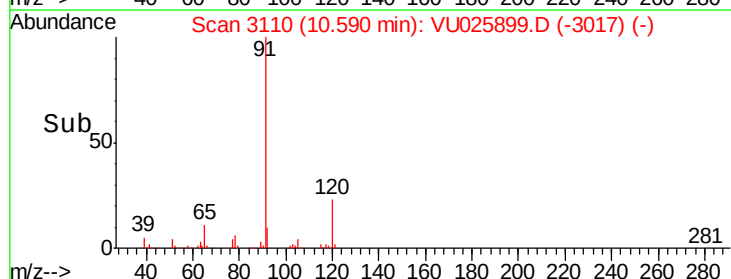
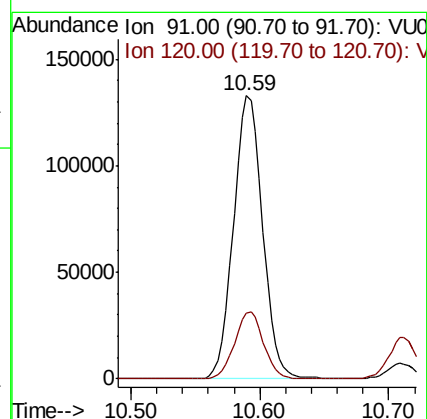
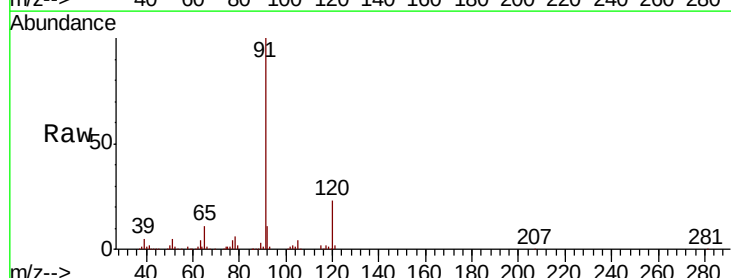
Acq: 06 Aug 2018 20:25

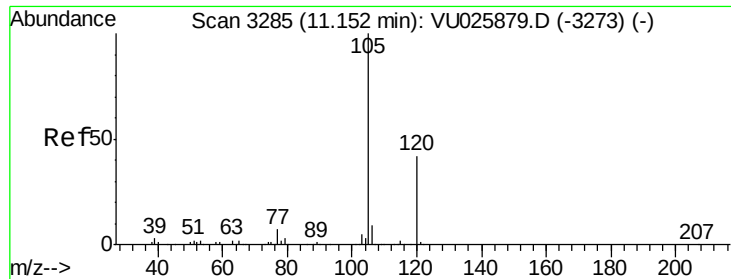
Tgt Ion: 91 Resp: 208059

Ion Ratio Lower Upper

91 100

120 23.5 11.8 35.3





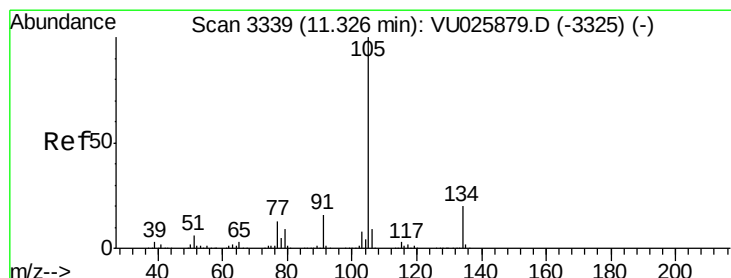
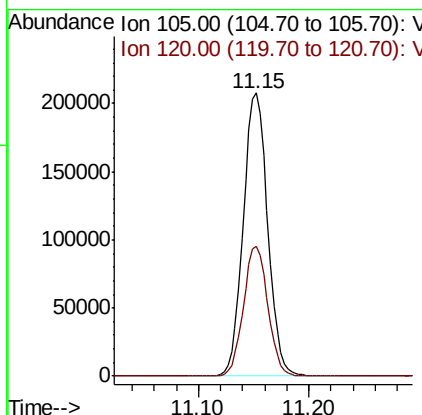
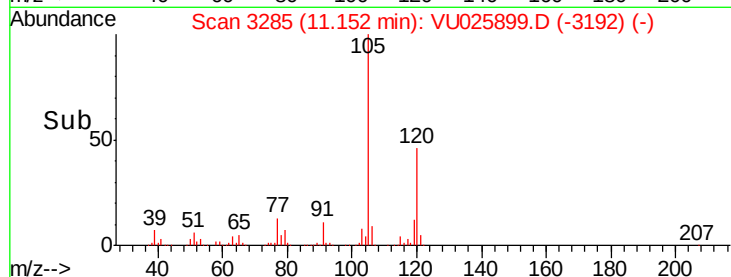
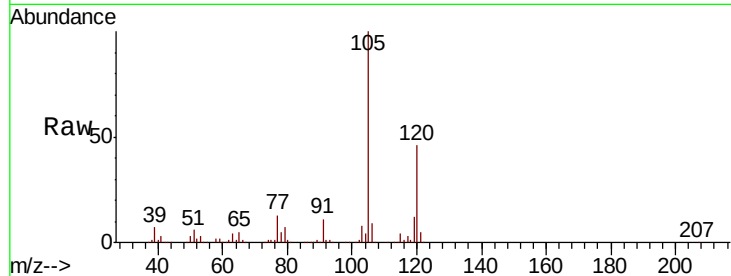
#84
 1,2,4-Trimethylbenzene
 Concen: 30.05 ug/l
 RT: 11.15 min Scan# 3285
 Delta R.T. 0.00 min
 Lab File: VU025899.D
 Acq: 06 Aug 2018 20:25

Instrument :
 MSVOA_U
 ClientSampleId :
 FL-0523

Tot Ion	Ratio	Lower	Upper
105	100		
120	45.9	22.3	66.8

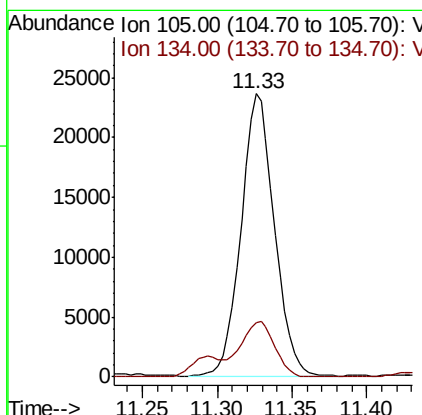
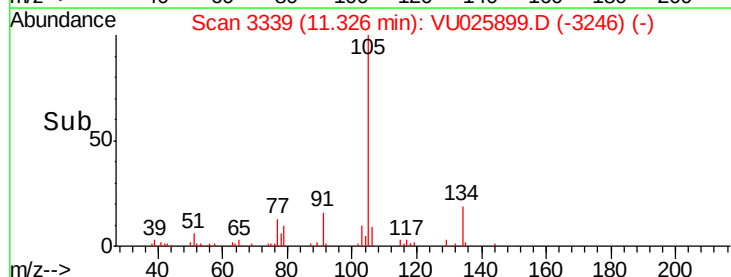
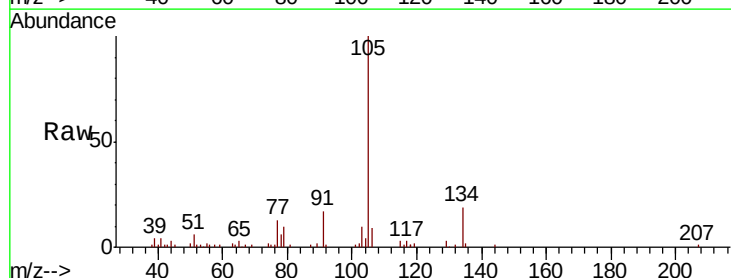
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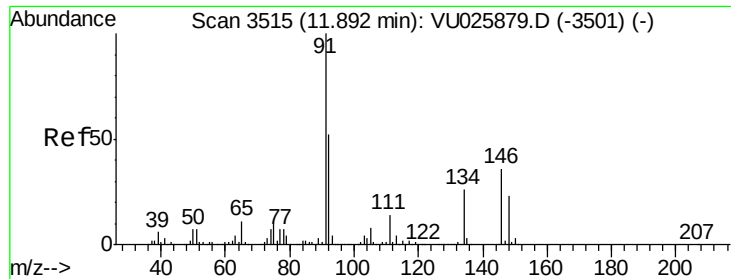
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 8/7/2018 1:51:40 PM



#85
 sec-Butylbenzene
 Concen: 2.91 ug/l
 RT: 11.33 min Scan# 3339
 Delta R.T. 0.00 min
 Lab File: VU025899.D
 Acq: 06 Aug 2018 20:25

Tgt Ion	Ratio	Lower	Upper
105	100		
134	20.0	10.3	30.8





#89

n-Butylbenzene

Concen: 0.82 ug/l m

RT: 11.89 min Scan# 3515

Delta R.T. 0.00 min

Lab File: VU025899.D

Acq: 06 Aug 2018 20:25

Instrument :

MSVOA_U

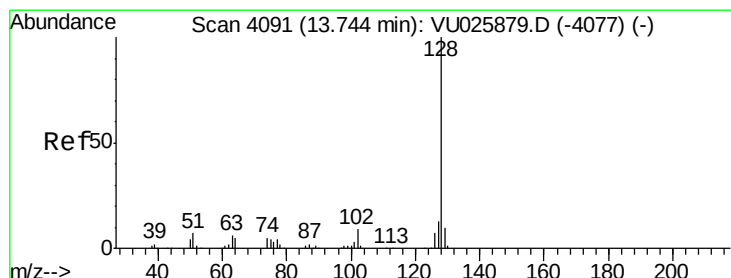
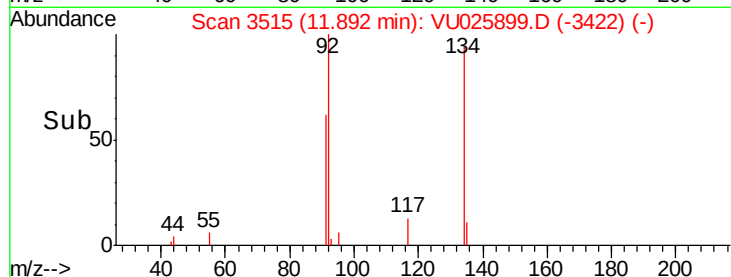
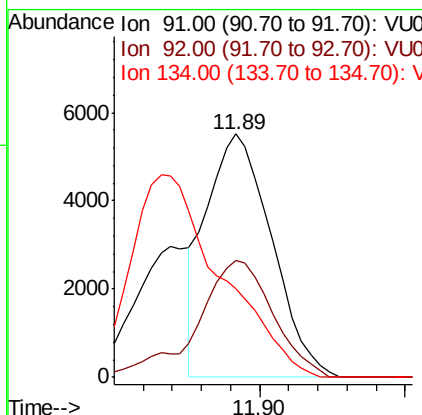
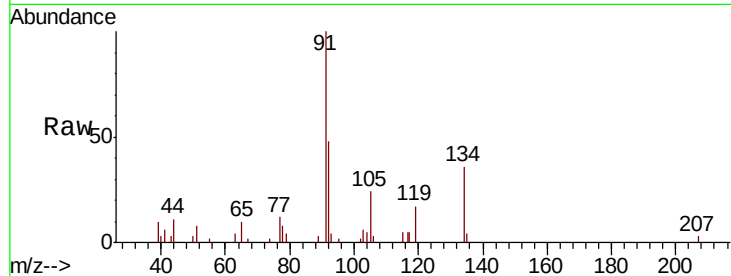
ClientSampled :

FL-0523

Tot Ion:	91	Resp:	8537
Ion	Ratio	Lower	Upper
91	100		
92	56.1	26.5	79.5
134	0.0	13.6	40.7#

Manual Integrations
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#95

Naphthalene

Concen: 8.63 ug/l

RT: 13.75 min Scan# 4092

Delta R.T. 0.00 min

Lab File: VU025899.D

Acq: 06 Aug 2018 20:25

Tgt Ion:	128	Resp:	101243
Ion	Ratio	Lower	Upper
128	100		
127	12.9	10.5	15.7
129	10.8	8.3	12.5

