

Data Path : Z:\voasrv\HPCHEM1\MSVOA U\Data\VU080618\
 Data File : VU025901.D
 Acq On : 06 Aug 2018 21:12
 Operator : MD/SY
 Sample : J4263-07
 Misc : 5.0mL/MSVOA U/WATER
 ALS Vial : 24 Sample Multiplier: 1

Instrument :
 MSVOA_U
 ClientSampleId :
 FL-0515

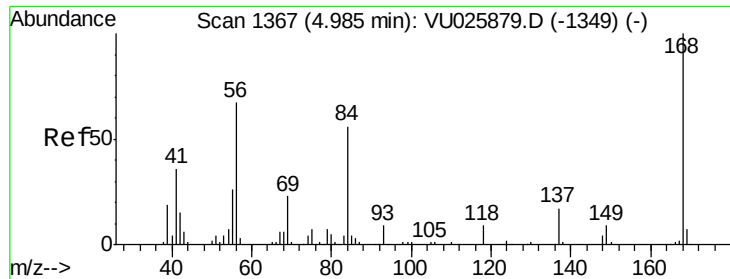
Manual Integrations
 APPROVED

MMDadoda
 8/20/2018 5:45:32 PM

Quant Time: Aug 08 03:56:33 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	187695	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	5.89	114	299804	50.00	ug/l	0.00
63) Chlorobenzene-d5	9.09	117	295811	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	11.49	152	189012	50.00	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	5.31	65	147797	50.54	ug/l	0.00
Spiked Amount 50.000			Recovery	=	101.08%	
35) Dibromofluoromethane	4.89	113	123952	47.54	ug/l	0.00
Spiked Amount 50.000			Recovery	=	95.08%	
50) Toluene-d8	7.57	98	452305	49.57	ug/l	0.00
Spiked Amount 50.000			Recovery	=	99.14%	
62) 4-Bromofluorobenzene	10.31	95	172171	48.61	ug/l	0.00
Spiked Amount 50.000			Recovery	=	97.22%	
Target Compounds						
31) Cyclohexane	5.00	56	468681	127.88	ug/l	98
39) Methylcyclohexane	6.42	83	734871	183.06	ug/l	98
40) Benzene	5.39	78	117422	11.47	ug/l	99
67) Ethyl Benzene	9.25	91	216263	17.12	ug/l	100
68) m/p-Xylenes	9.38	106	12179	2.51	ug/l	94
73) Isopropylbenzene	10.17	105	635090	49.23	ug/l	100
78) n-propylbenzene	10.59	91	1109991	73.72	ug/l	99
83) tert-Butylbenzene	11.10	119	11151m	1.02	ug/l	
84) 1,2,4-Trimethylbenzene	11.15	105	3963368	356.98	ug/l	98
85) sec-Butylbenzene	11.33	105	186662	14.04	ug/l	99
86) p-Isopropyltoluene	11.48	119	67105	5.64	ug/l	99
89) n-Butylbenzene	11.89	91	96846m	8.82	ug/l	
95) Naphthalene	13.74	128	504011	36.26	ug/l	99

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



#1

Pentafluorobenzene

Concen: 50.00 ug/l

RT: 4.99 min Scan# 1368

Delta R.T. -0.00 min

Lab File: VU025901.D

Acq: 06 Aug 2018 21:12

Instrument :

MSVOA_U

ClientSampleID :

FL-0515

Tot Ion:168 Resp: 187695

Ion Ratio Lower Upper

168 100

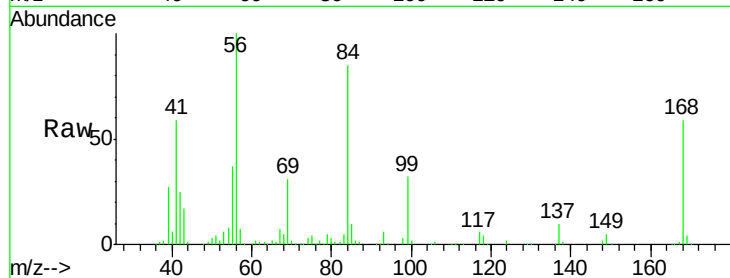
99 55.5 42.8 64.2

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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

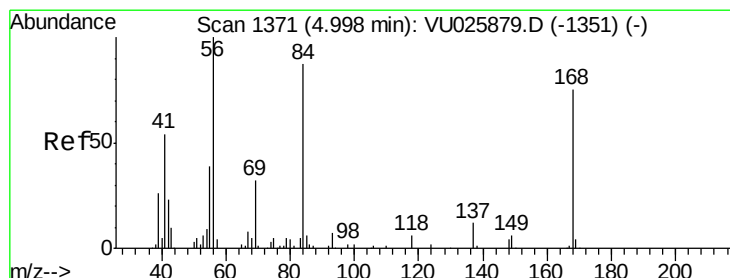
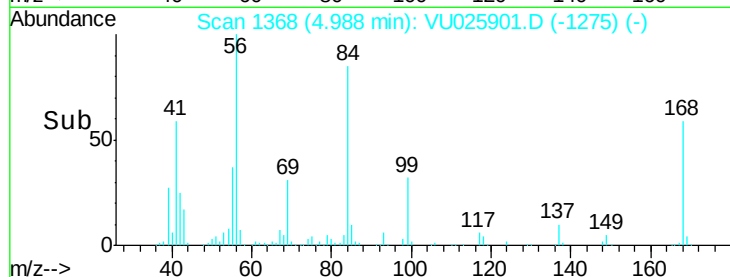
40000

20000

0

Time-->

4.90 5.00 5.10



#31

Cyclohexane

Concen: 127.88 ug/l

RT: 5.00 min Scan# 1372

Delta R.T. 0.00 min

Lab File: VU025901.D

Acq: 06 Aug 2018 21:12

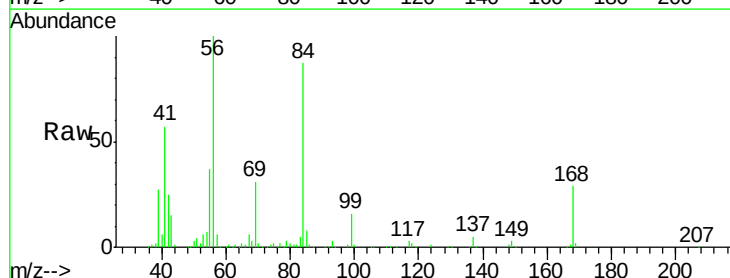
Tgt Ion: 56 Resp: 468681

Ion Ratio Lower Upper

56 100

69 30.9 26.8 40.2

84 86.6 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

250000

200000

150000

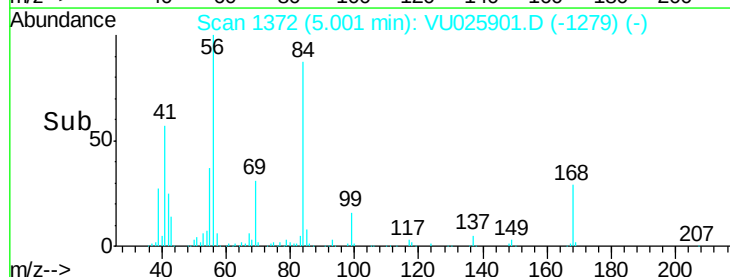
100000

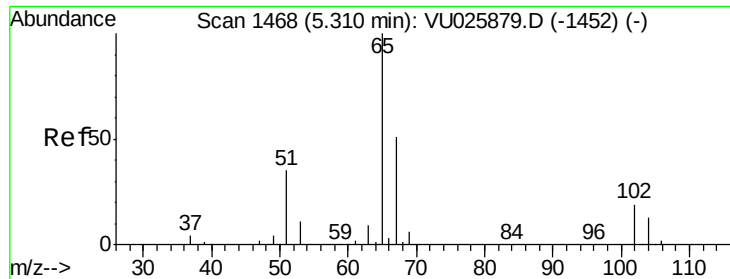
50000

0

Time-->

4.90 4.95 5.00 5.05





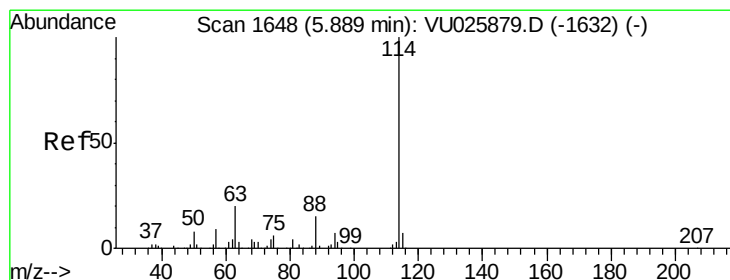
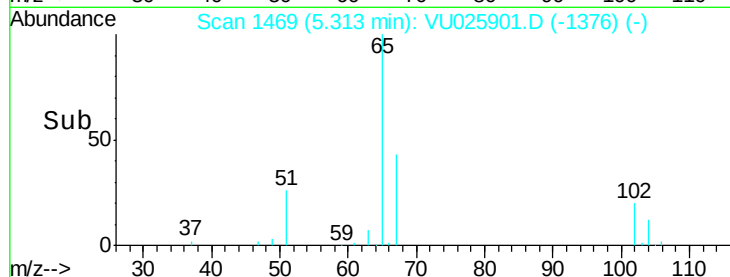
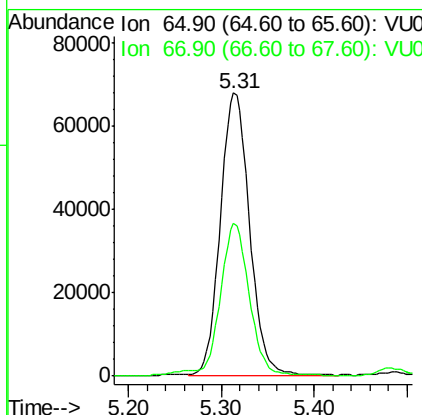
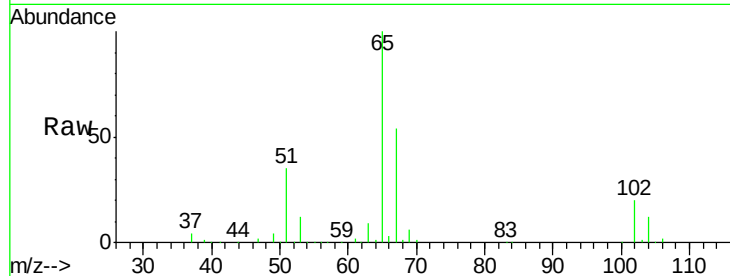
#33
 1,2-Dichloroethane-d4
 Concen: 50.54 ug/l
 RT: 5.31 min Scan# 1469
 Delta R.T. 0.00 min
 Lab File: VU025901.D
 Acq: 06 Aug 2018 21:12

Instrument :
 MSVOA_U
 ClientSampleId :
 FL-0515

Tot Ion	Ratio	Resp	Lower	Upper
65	100	147797		
67	55.5	0.0	103.6	

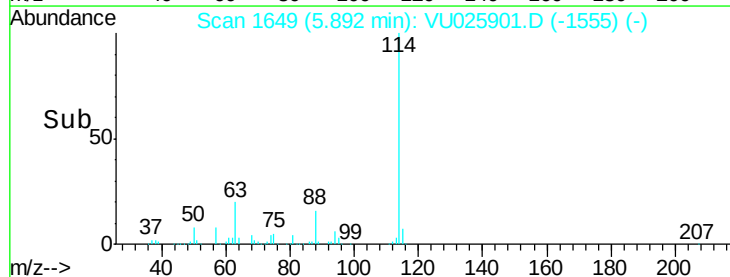
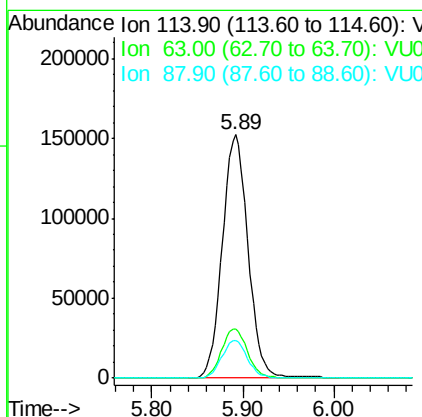
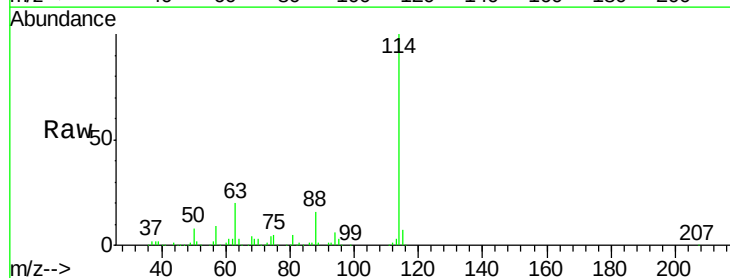
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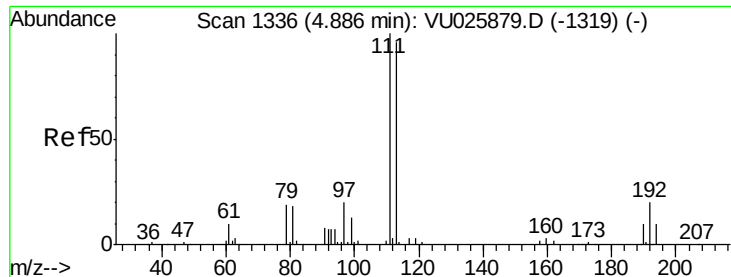
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#34
 1,4-Difluorobenzene
 Concen: 50.00 ug/l
 RT: 5.89 min Scan# 1649
 Delta R.T. 0.00 min
 Lab File: VU025901.D
 Acq: 06 Aug 2018 21:12

Tgt Ion	Ratio	Resp	Lower	Upper
114	100	299804		
63	20.0	0.0	41.6	
88	15.6	0.0	32.4	





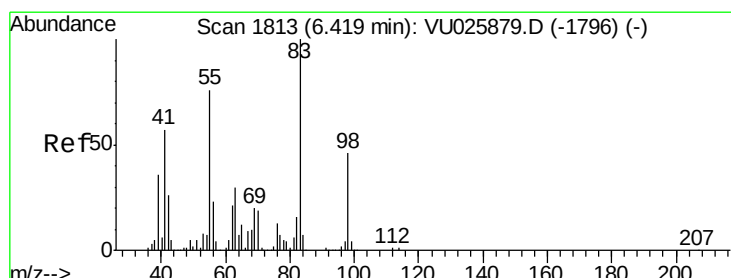
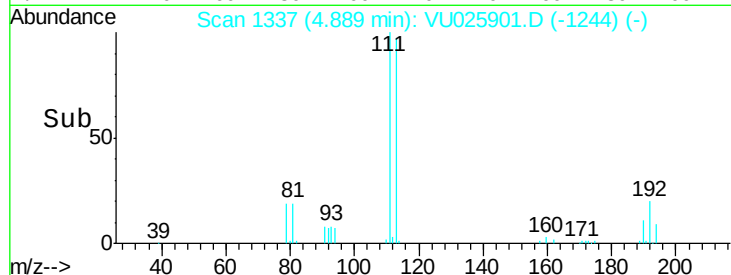
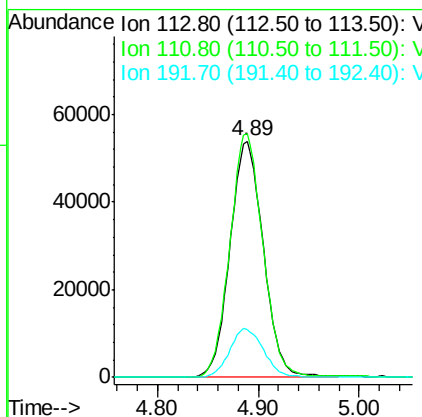
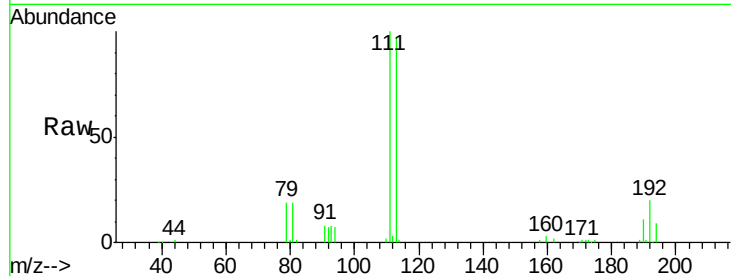
#35
 Dibromofluoromethane
 Concen: 47.54 ug/l
 RT: 4.89 min Scan# 1337
 Delta R.T. 0.00 min
 Lab File: VU025901.D
 Acq: 06 Aug 2018 21:12

Instrument :
 MSVOA_U
 ClientSampleId :
 FL-0515

Tot Ion	Ratio	Resp	Lower	Upper
113	100	123952		
111	102.1	81.7	122.5	
192	21.0	17.1	25.7	

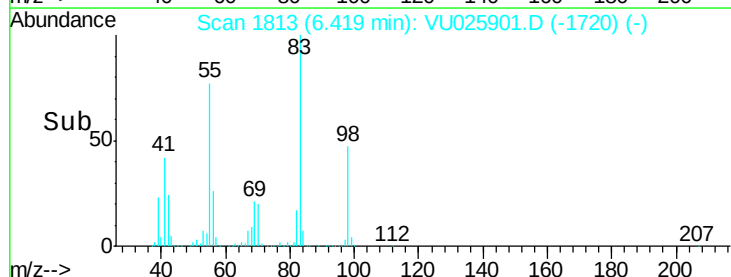
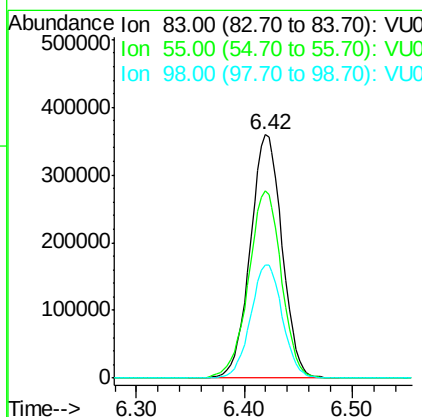
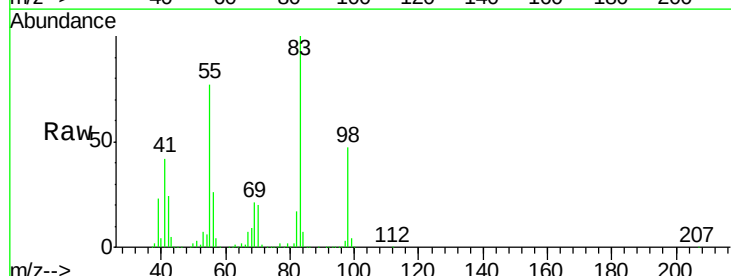
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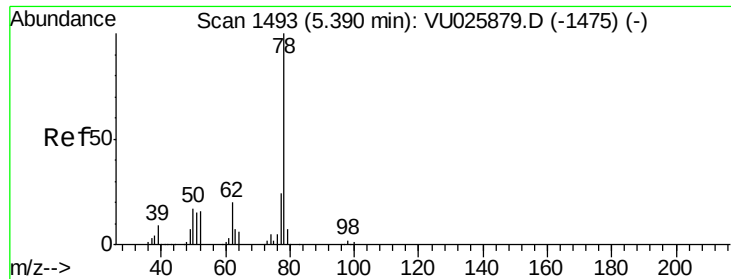
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#39
 Methylcyclohexane
 Concen: 183.06 ug/l
 RT: 6.42 min Scan# 1813
 Delta R.T. 0.00 min
 Lab File: VU025901.D
 Acq: 06 Aug 2018 21:12

Tgt Ion	Ratio	Resp	Lower	Upper
83	100	734871		
55	76.7	60.0	90.0	
98	46.5	36.1	54.1	





#40

Benzene

Concen: 11.47 ug/l

RT: 5.39 min Scan# 1494

Delta R.T. 0.00 min

Lab File: VU025901.D

Acq: 06 Aug 2018 21:12

Instrument :

MSVOA_U

ClientSampleId :

FL-0515

Tot Ion: 78 Resp: 117422

Ion Ratio Lower Upper

78 100

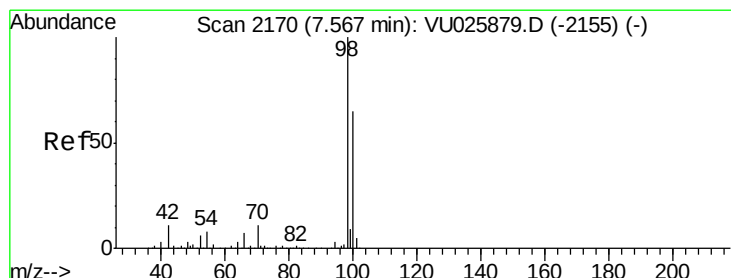
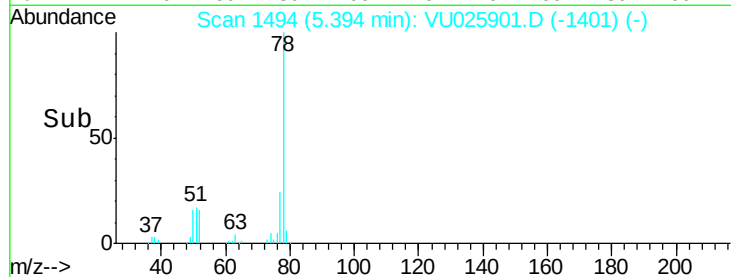
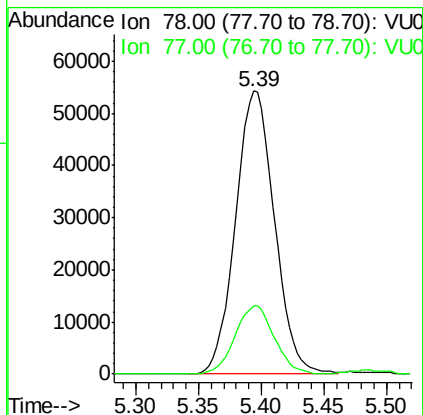
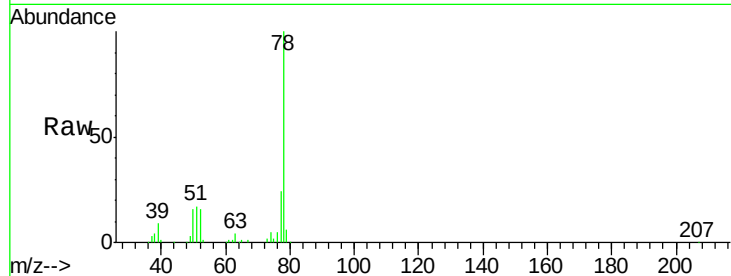
77 24.2 19.8 29.6

Manual Integrations

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#50

Toluene-d8

Concen: 49.57 ug/l

RT: 7.57 min Scan# 2171

Delta R.T. 0.00 min

Lab File: VU025901.D

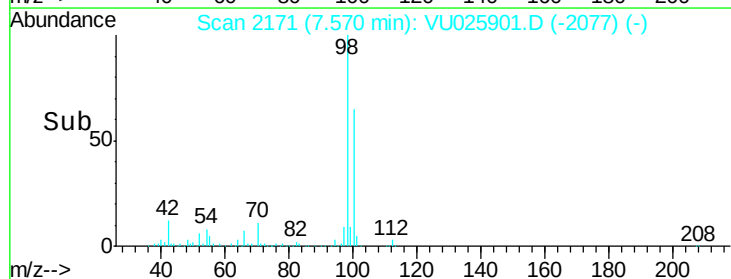
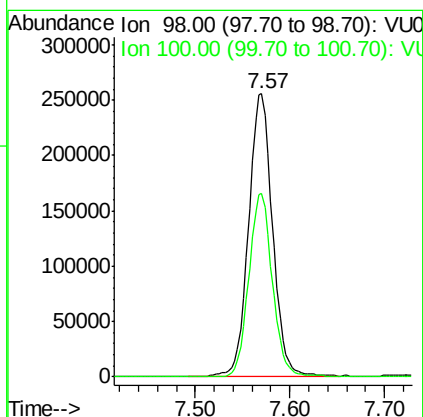
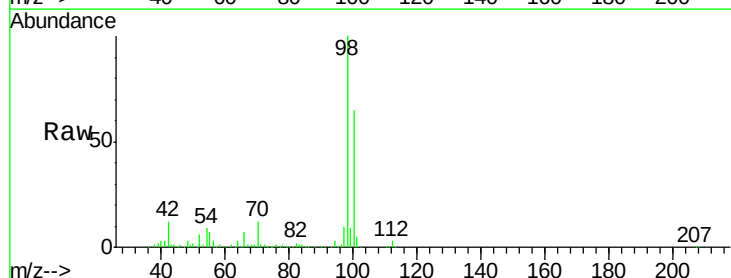
Acq: 06 Aug 2018 21:12

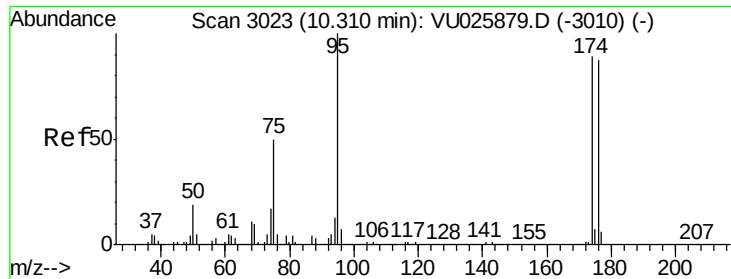
Tgt Ion: 98 Resp: 452305

Ion Ratio Lower Upper

98 100

100 63.4 51.1 76.7





#62

4-Bromofluorobenzene

Concen: 48.61 ug/l

RT: 10.31 min Scan# 3023

Delta R.T. 0.00 min

Lab File: VU025901.D

Acq: 06 Aug 2018 21:12

Instrument :

MSVOA_U

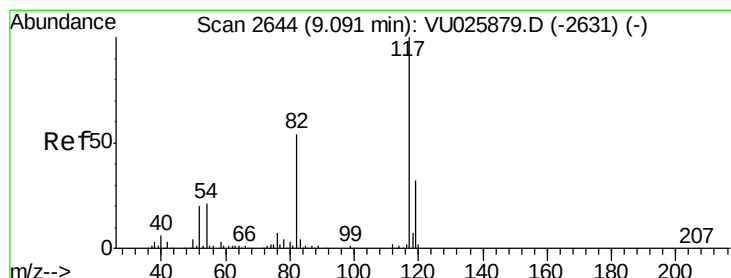
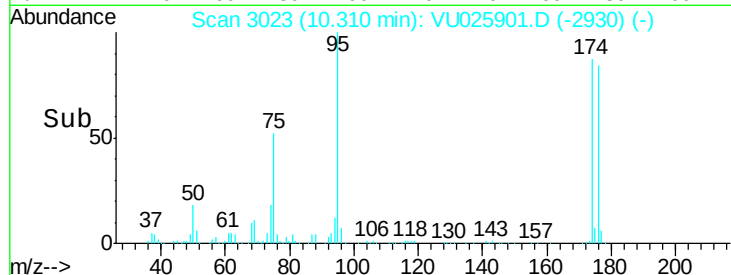
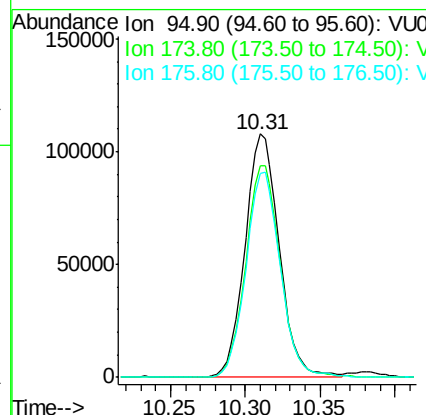
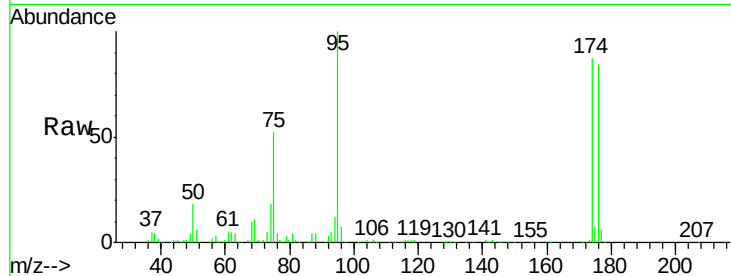
ClientSampled :

FL-0515

Tot Ion:	95	Resp:	172171
Ion Ratio	Lower	Upper	
95	100		
174	88.0	0.0	172.2
176	84.7	0.0	162.6

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#63

Chlorobenzene-d5

Concen: 50.00 ug/l

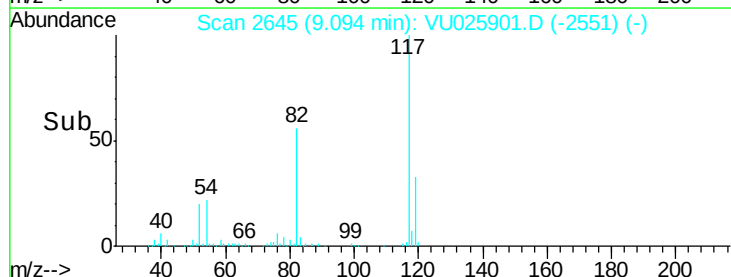
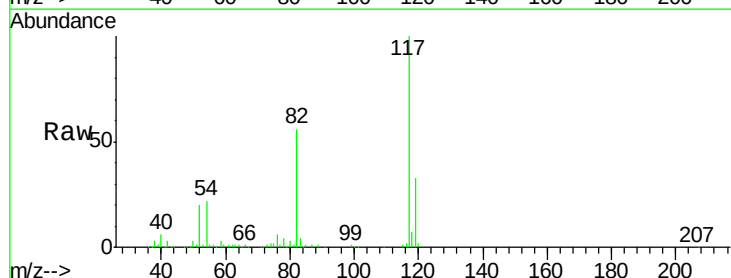
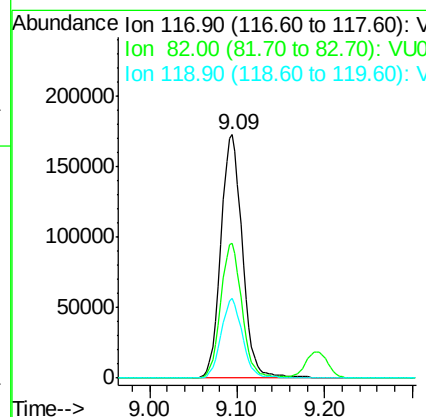
RT: 9.09 min Scan# 2645

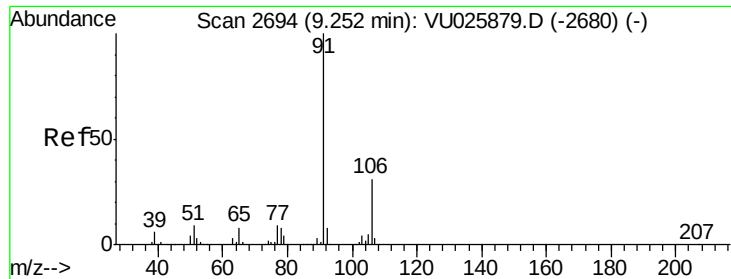
Delta R.T. 0.00 min

Lab File: VU025901.D

Acq: 06 Aug 2018 21:12

Tgt Ion:	117	Resp:	295811
Ion Ratio	Lower	Upper	
117	100		
82	55.5	46.0	69.0
119	32.5	26.0	39.0





#67

Ethyl Benzene

Concen: 17.12 ug/l

RT: 9.25 min Scan# 2694

Delta R.T. 0.00 min

Lab File: VU025901.D

Acq: 06 Aug 2018 21:12

Instrument :

MSVOA_U

ClientSampleId :

FL-0515

Tot Ion: 91 Resp: 216263

Ion Ratio Lower Upper

91 100

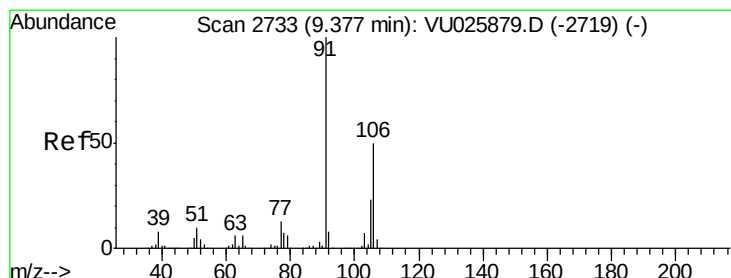
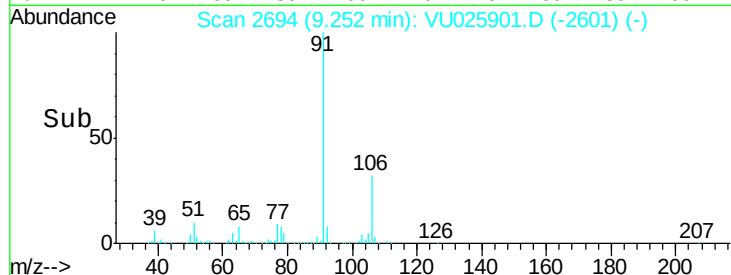
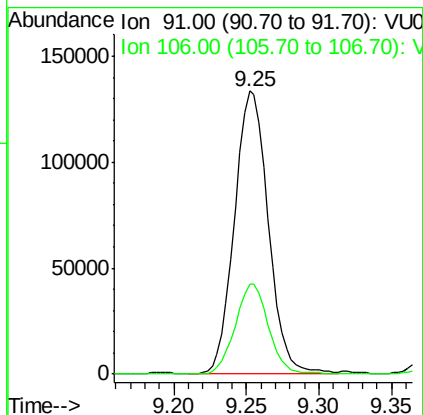
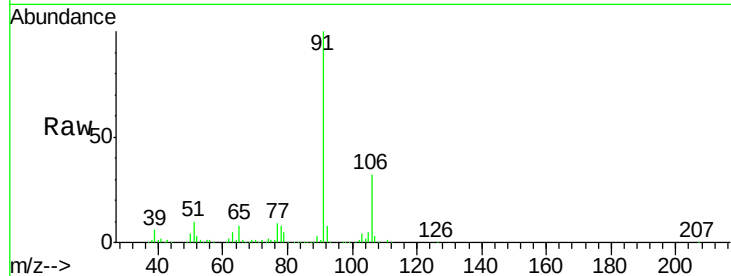
106 31.8 25.3 37.9

Manual Integrations

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8/20/2018 5:45:32 PM



#68

m/p-Xylenes

Concen: 2.51 ug/l

RT: 9.38 min Scan# 2734

Delta R.T. 0.00 min

Lab File: VU025901.D

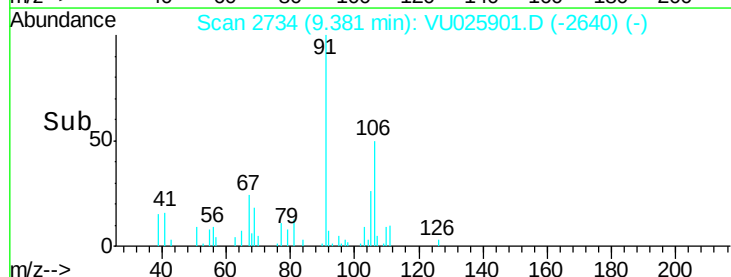
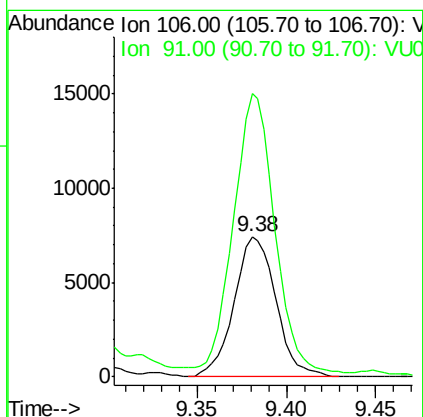
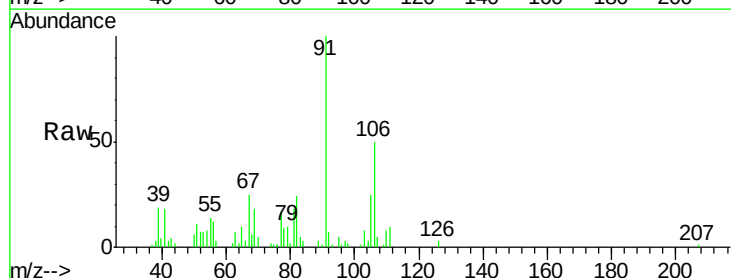
Acq: 06 Aug 2018 21:12

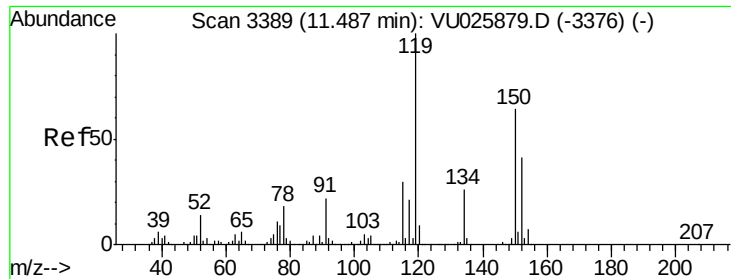
Tgt Ion: 106 Resp: 12179

Ion Ratio Lower Upper

106 100

91 194.4 162.3 243.5





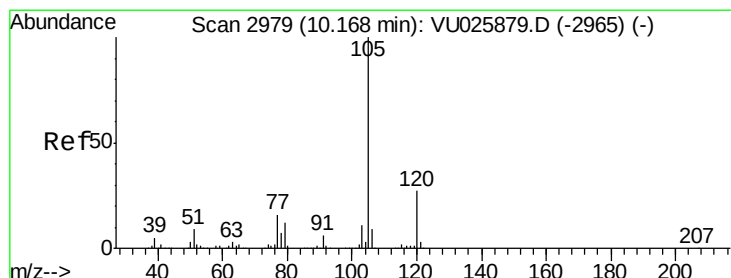
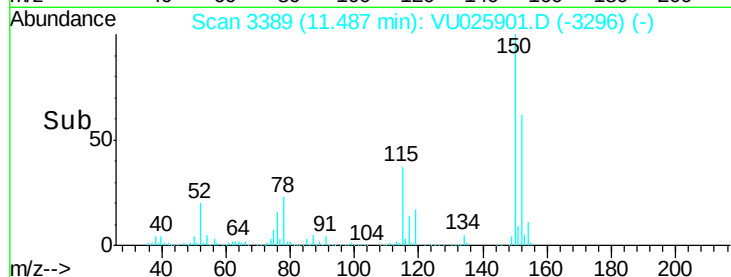
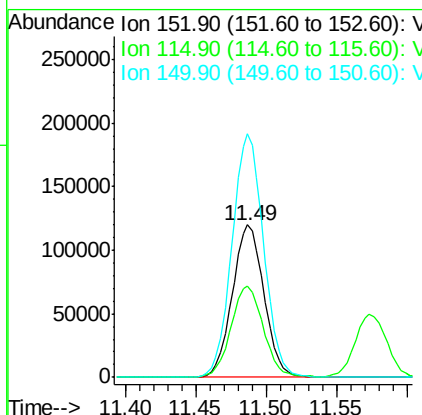
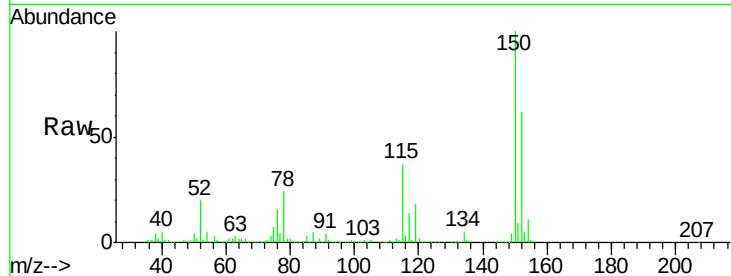
#72
1,4-Dichlorobenzene-d4
Concen: 50.00 ug/l
RT: 11.49 min Scan# 3389
Delta R.T. 0.00 min
Lab File: VU025901.D
Acq: 06 Aug 2018 21:12

Instrument :
MSVOA_U
ClientSampled :
FL-0515

Tot Ion	Ratio	Resp	Lower	Upper
152	100	189012		
115	60.1	40.1	120.3	
150	158.9	0.0	351.4	

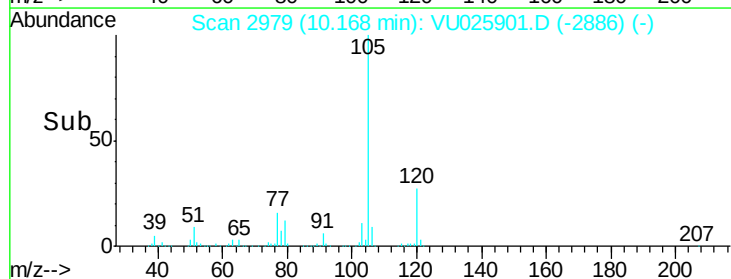
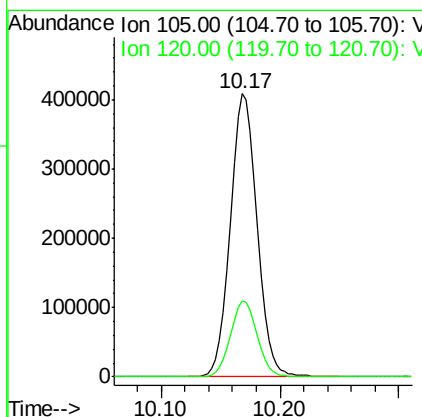
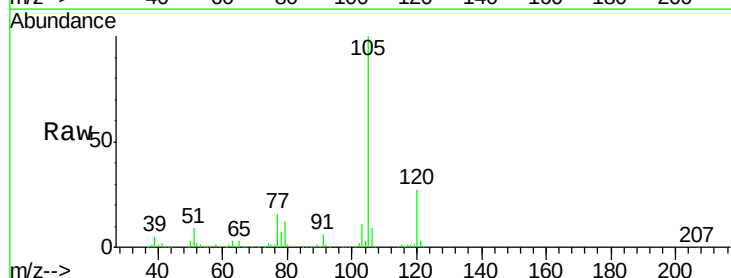
Manual Integrations
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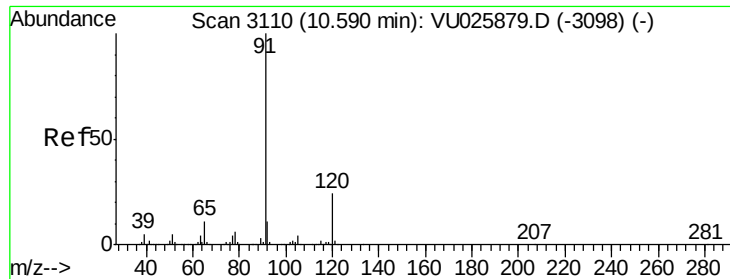
MMDadoda
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#73
Isopropylbenzene
Concen: 49.23 ug/l
RT: 10.17 min Scan# 2979
Delta R.T. 0.00 min
Lab File: VU025901.D
Acq: 06 Aug 2018 21:12

Tgt Ion	Ratio	Resp	Lower	Upper
105	100	635090		
120	27.0	13.5	40.5	





#78

n-propylbenzene

Concen: 73.72 ug/l

RT: 10.59 min Scan# 3110

Delta R.T. 0.00 min

Lab File: VU025901.D

Acq: 06 Aug 2018 21:12

Instrument :

MSVOA_U

ClientSampleId :

FL-0515

Tot Ion: 91 Resp: 1109991

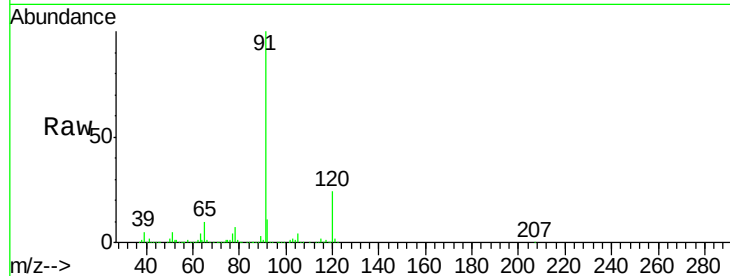
Ion Ratio Lower Upper

91 100

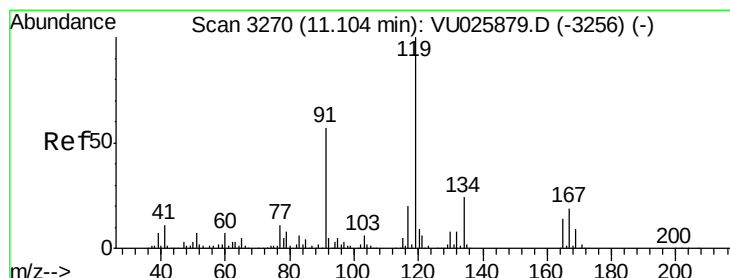
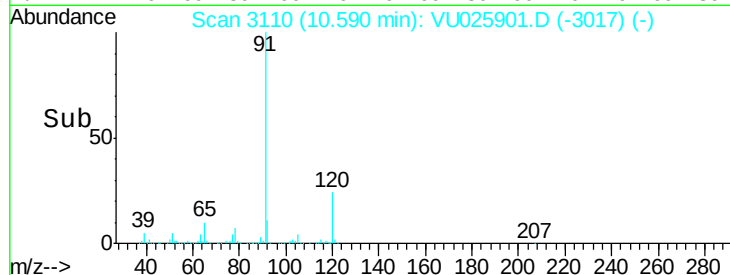
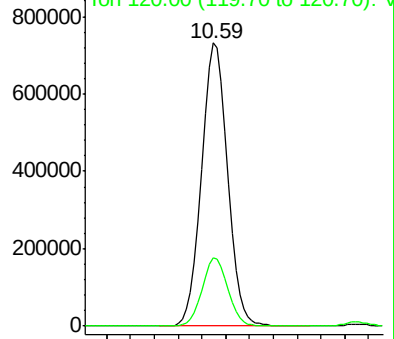
120 23.8 11.8 35.3

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Abundance Ion 91.00 (90.70 to 91.70): VU025879.D (-3098) (-)



#83

tert-Butylbenzene

Concen: 1.02 ug/l m

RT: 11.10 min Scan# 3270

Delta R.T. 0.00 min

Lab File: VU025901.D

Acq: 06 Aug 2018 21:12

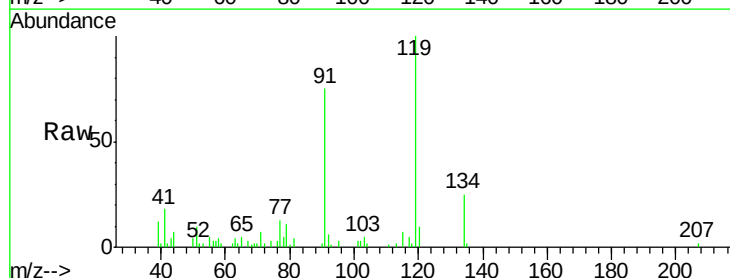
Tgt Ion: 119 Resp: 11151

Ion Ratio Lower Upper

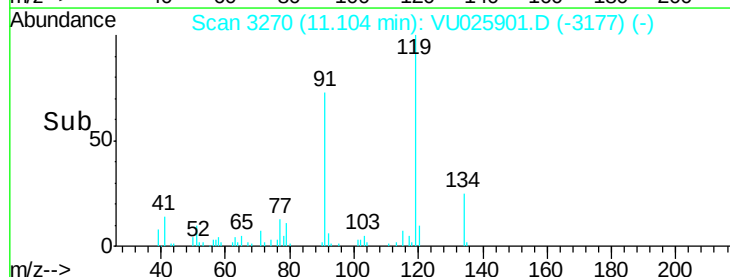
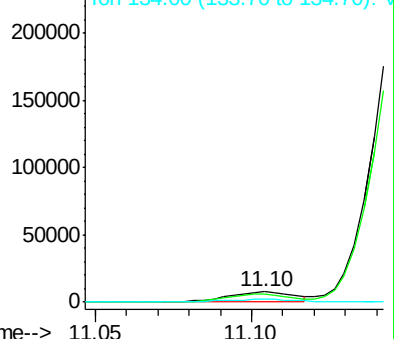
119 100

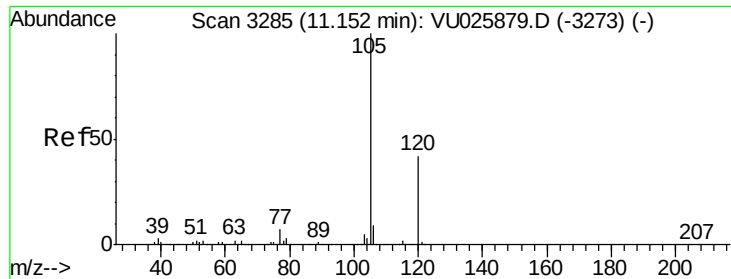
91 0.0 29.7 89.1#

134 0.0 11.5 34.5#



Abundance Ion 119.00 (118.70 to 119.70): VU025879.D (-3256) (-)





#84

1,2,4-Trimethylbenzene

Concen: 356.98 ug/l

RT: 11.15 min Scan# 3285

Delta R.T. 0.00 min

Lab File: VU025901.D

Acq: 06 Aug 2018 21:12

Instrument :

MSVOA_U

ClientSampled :

FL-0515

Tot Ion:105 Resp: 3963368

Ion Ratio Lower Upper

105 100

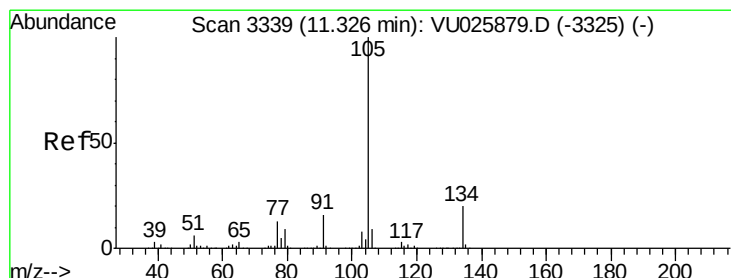
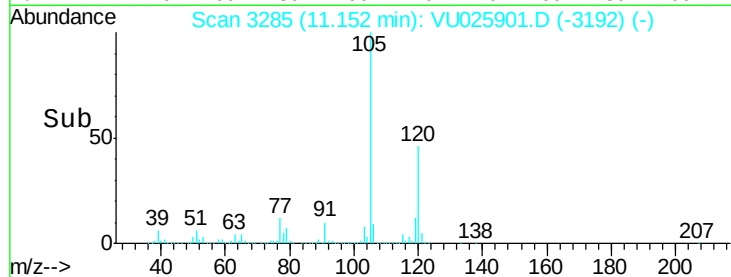
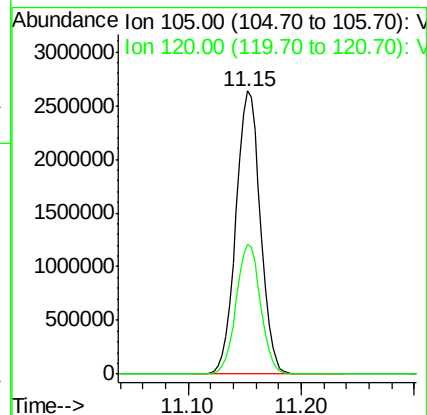
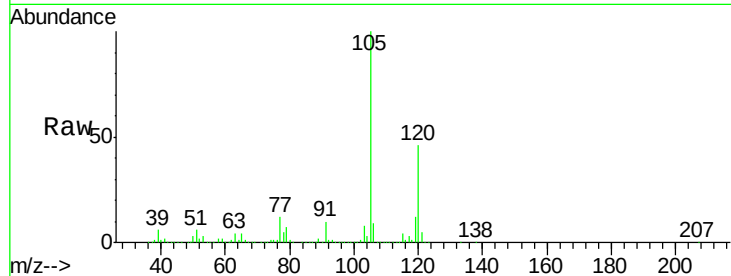
120 45.8 22.3 66.8

Manual Integrations

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#85

sec-Butylbenzene

Concen: 14.04 ug/l

RT: 11.33 min Scan# 3339

Delta R.T. 0.00 min

Lab File: VU025901.D

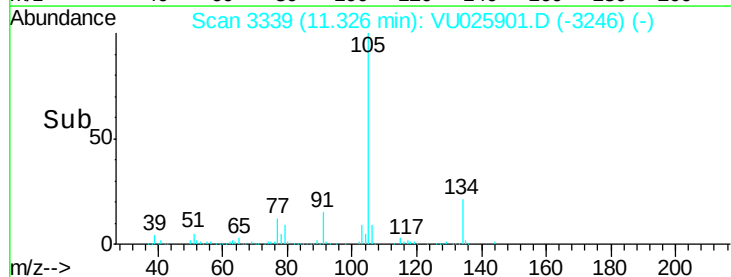
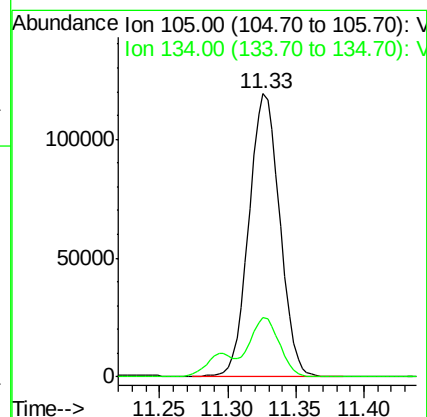
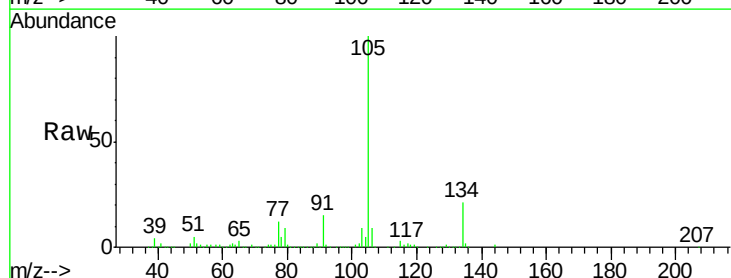
Acq: 06 Aug 2018 21:12

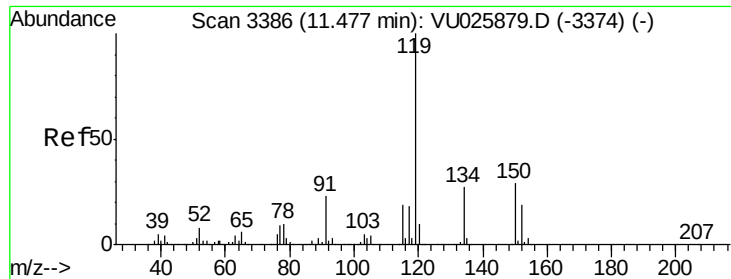
Tgt Ion:105 Resp: 186662

Ion Ratio Lower Upper

105 100

134 20.2 10.3 30.8





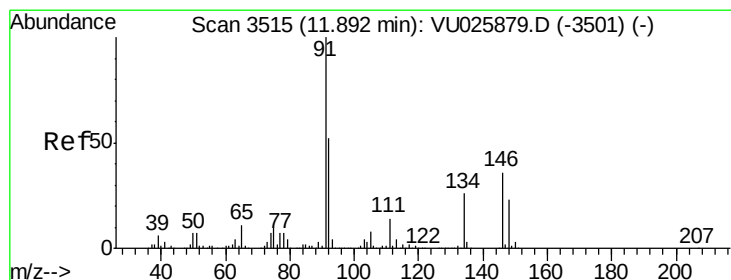
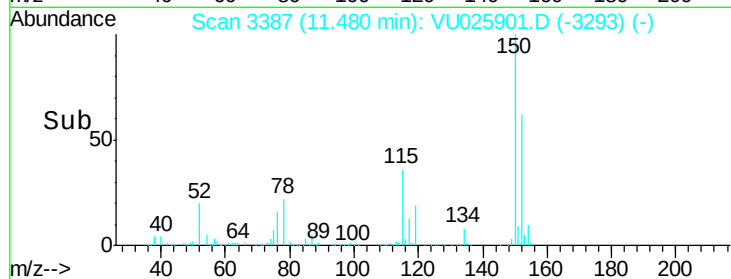
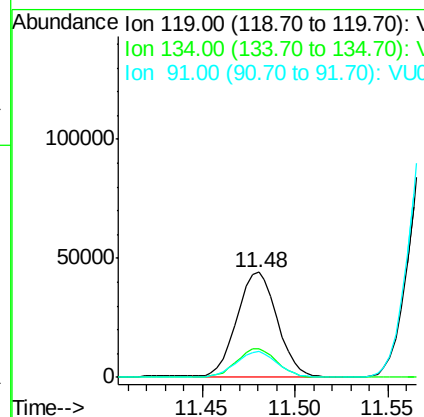
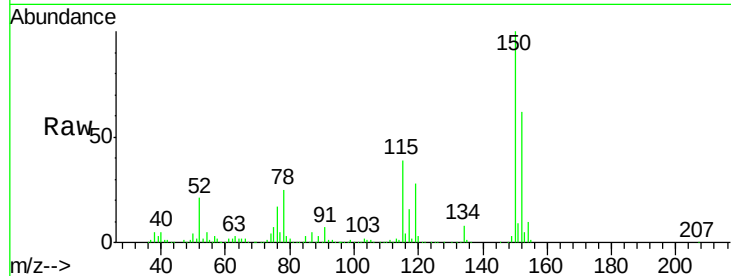
#86
 p-Isopropyltoluene
 Concen: 5.64 ug/l
 RT: 11.48 min Scan# 3387
 Delta R.T. 0.00 min
 Lab File: VU025901.D
 Acq: 06 Aug 2018 21:12

Instrument :
 MSVOA_U
 ClientSampled :
 FL-0515

Tot Ion	Ratio	Resp	Lower	Upper
119	100	67105		
134	26.9	13.2	39.5	
91	24.7	12.0	36.1	

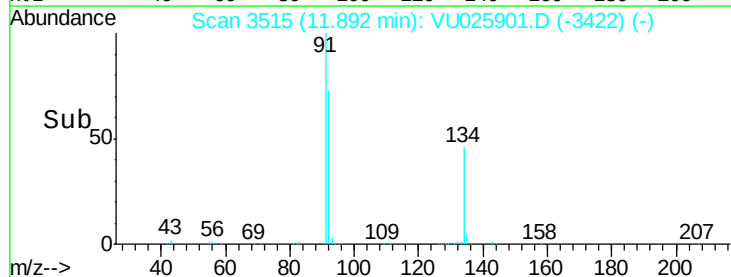
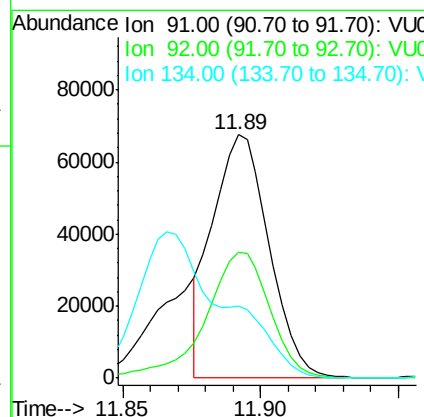
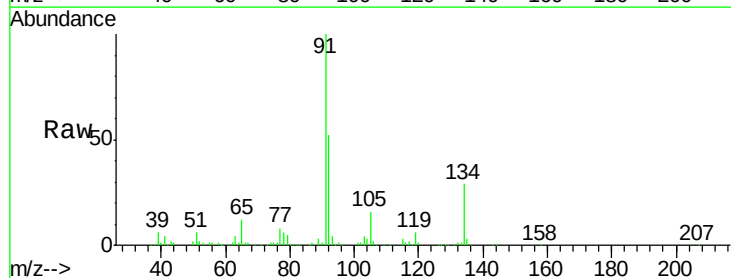
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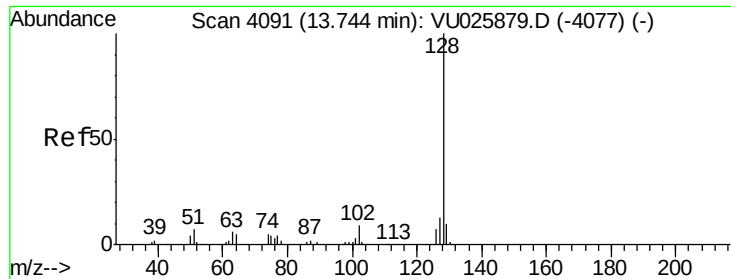
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#89
 n-Butylbenzene
 Concen: 8.82 ug/l m
 RT: 11.89 min Scan# 3515
 Delta R.T. 0.00 min
 Lab File: VU025901.D
 Acq: 06 Aug 2018 21:12

Tgt Ion	Ratio	Resp	Lower	Upper
91	100	96846		
92	59.1	26.5	79.5	
134	0.0	13.6	40.7#	





#95
 Naphthalene
 Concen: 36.26 ug/l
 RT: 13.74 min Scan# 4091
 Delta R.T. 0.00 min
 Lab File: VU025901.D
 Acq: 06 Aug 2018 21:12

Instrument :
 MSVOA_U
 ClientSampleId :
 FL-0515

Tot Ion	Ratio	Lower	Upper
128	100		
127	13.0	10.5	15.7
129	11.5	8.3	12.5

Manual Integrations
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