

Data Path : Z:\VOASRV\HPCHEM1\MSVOA U\DATA\VU091919\
 Data File : VU034659.D
 Acq On : 19 Sep 2019 20:16
 Operator : JC/SP
 Sample : K4895-04
 Misc : 5.0mL/MSVOA U/WATER
 ALS Vial : 14 Sample Multiplier: 1

Instrument :
 MSVOA_U
 ClientSampleId :
 BFDF8

Manual Integrations
 APPROVED

MMDadoda
 9/20/2019 12:43:36 PM

Quant Time: Sep 20 04:41:09 2019
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_U\METHOD\SOMULM091919WMA.M
 Quant Title : VOC Analysis
 QLast Update : Fri Sep 20 04:02:05 2019
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Difluorobenzene	5.86	114	462719	50.00	ug/L	0.00
28) Chlorobenzene-d5	9.07	117	451534	50.00	ug/L	0.00
60) 1,4-Dichlorobenzene-d4	11.46	152	205491	50.00	ug/L	0.00

System Monitoring Compounds

4) Vinyl Chloride-d3	1.39	65	226798	47.88	ug/L	0.00
Spiked Amount	50.000	Range	60 - 135	Recovery	=	95.76%
7) Chloroethane-d5	1.67	69	179557	49.04	ug/L	0.00
Spiked Amount	50.000	Range	70 - 130	Recovery	=	98.08%
11) 1,1-Dichloroethene-d2	2.26	63	300105	37.41	ug/L	0.00
Spiked Amount	50.000	Range	60 - 125	Recovery	=	74.82%
21) 2-Butanone-d5	4.15	46	396031	109.08	ug/L	0.00
Spiked Amount	100.000	Range	40 - 130	Recovery	=	109.08%
24) Chloroform-d	4.62	84	340003	49.37	ug/L	0.00
Spiked Amount	50.000	Range	70 - 125	Recovery	=	98.74%
26) 1,2-Dichloroethane-d4	5.29	65	256295	50.63	ug/L	0.00
Spiked Amount	50.000	Range	70 - 125	Recovery	=	101.26%
32) Benzene-d6	5.32	84	697714	49.85	ug/L	0.00
Spiked Amount	50.000	Range	70 - 125	Recovery	=	99.70%
36) 1,2-Dichloropropane-d6	6.31	67	246169	50.32	ug/L	0.00
Spiked Amount	50.000	Range	70 - 120	Recovery	=	100.64%
41) Toluene-d8	7.54	98	655707	49.25	ug/L	0.00
Spiked Amount	50.000	Range	80 - 120	Recovery	=	98.50%
43) trans-1,3-Dichloropropene-	7.83	79	117934	50.34	ug/L	0.00
Spiked Amount	50.000	Range	60 - 125	Recovery	=	100.68%
47) 2-Hexanone-d5	8.29	63	260120	105.87	ug/L	0.00
Spiked Amount	100.000	Range	45 - 130	Recovery	=	105.87%
57) 1,1,2,2-Tetrachloroethane-	10.41	84	325414	47.94	ug/L	0.00
Spiked Amount	50.000	Range	65 - 120	Recovery	=	95.88%
64) 1,2-Dichlorobenzene-d4	11.84	152	221322	51.36	ug/L	0.00
Spiked Amount	50.000	Range	80 - 120	Recovery	=	102.72%

Target Compounds

					Ovalue
13) Acetone	2.31	43	41844	9.908 ug/L	100
15) Methyl Acetate	2.61	43	5283m	0.936 ug/L	
16) Methylene chloride	2.68	84	7651	1.995 ug/L	98
20) cis-1,2-Dichloroethene	4.20	96	5559m	1.436 ug/L	
22) 2-Butanone	4.26	43	23180	4.614 ug/L	79
33) Benzene	5.37	78	32119	2.051 ug/L	100
34) Trichloroethene	6.17	95	11553	2.987 ug/L	93
35) Methylcyclohexane	6.40	83	6321m	0.963 ug/L	
42) Toluene	7.62	91	442486	26.145 ug/L	99
46) Tetrachloroethene	8.21	164	18785	6.905 ug/L	98
52) Ethylbenzene	9.23	91	171319	8.989 ug/L	98
53) m,p-Xylene	9.35	106	307018	45.482 ug/L	98
54) o-xylene	9.76	106	274630	41.133 ug/L	99
56) Isopropylbenzene	10.14	105	35981	1.999 ug/L	97
65) 1,2-Dichlorobenzene	11.85	146	67919	9.446 ug/L	98

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)

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

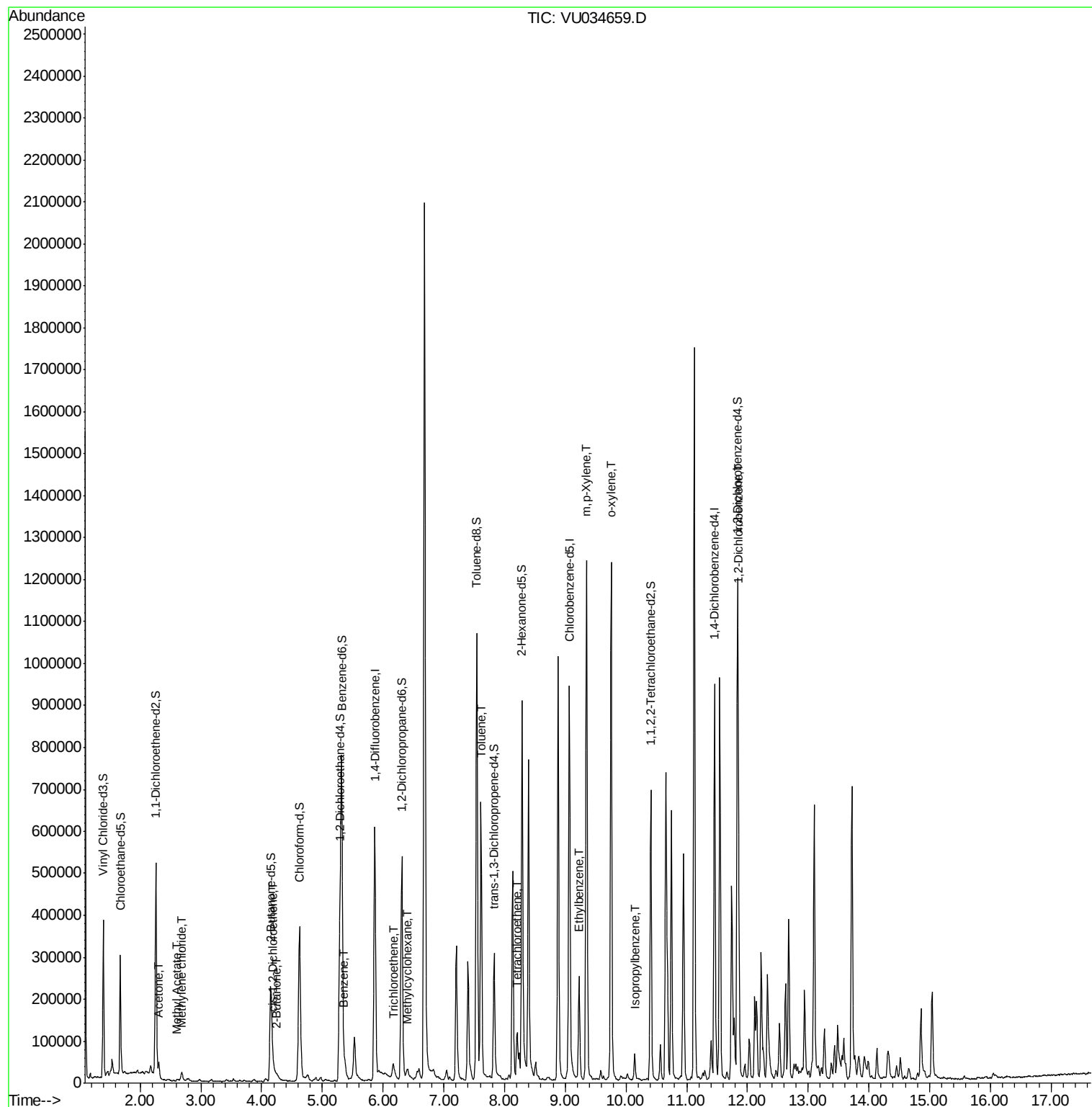
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Data File : VU034659.D
Acq On : 19 Sep 2019 20:16
Operator : JC/SP
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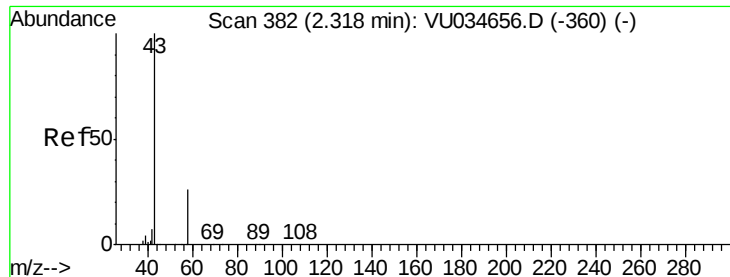
Instrument :
MSVOA_U
ClientSampleId :
BFDf8

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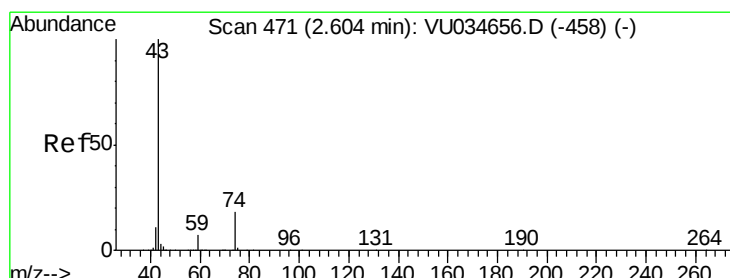
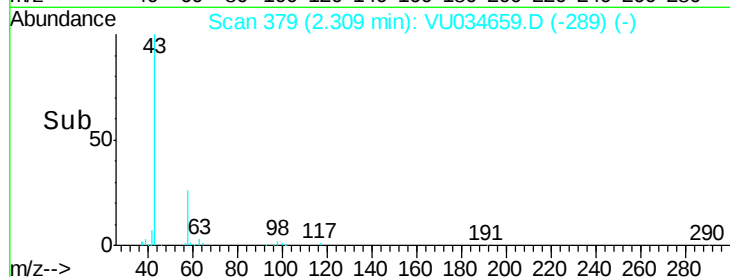
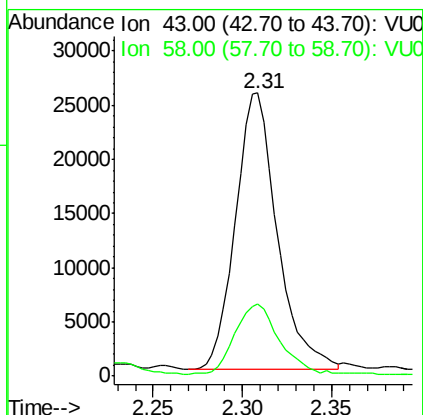
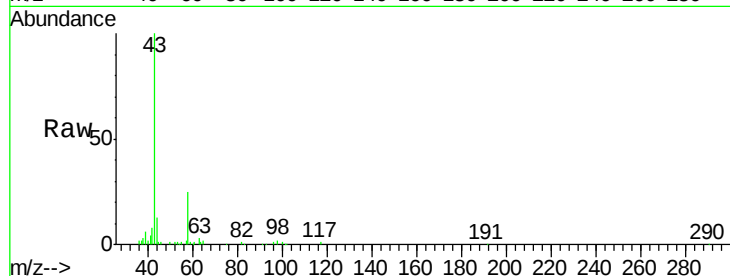
#13
Acetone
Concen: 9.908 ug/L
RT: 2.31 min Scan# 379
Delta R.T. -0.01 min
Lab File: VU034659.D
Acq: 19 Sep 2019 20:16

Instrument :
MSVOA_U
ClientSampleId :
BDF8

Tot Ion	43	Resp	41844
Ion Ratio	Lower	Upper	
43	100		
58	26.5	0.0	53.4

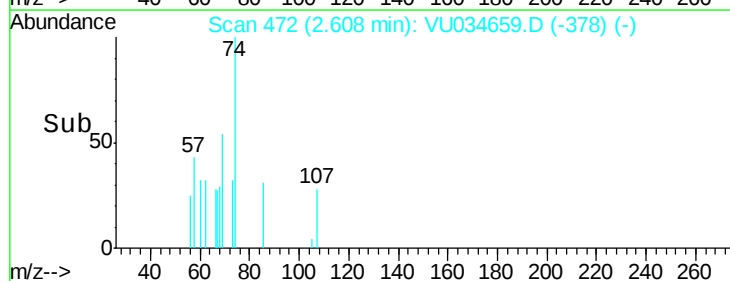
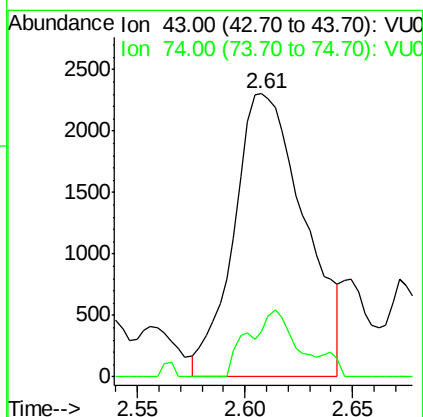
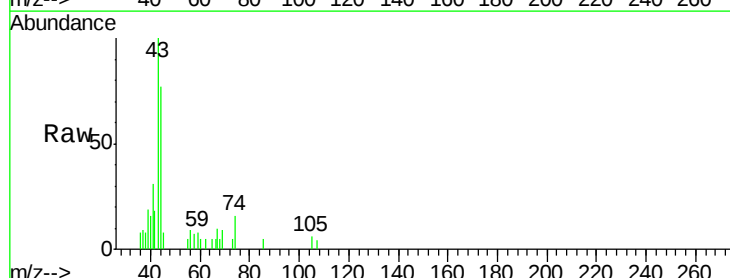
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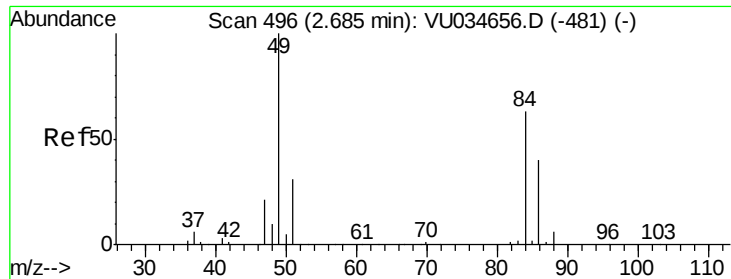
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#15
Methyl Acetate
Concen: 0.936 ug/L m
RT: 2.61 min Scan# 472
Delta R.T. 0.00 min
Lab File: VU034659.D
Acq: 19 Sep 2019 20:16

Tgt Ion	43	Resp	5283
Ion Ratio	Lower	Upper	
43	100		
74	0.8	14.4	21.6#





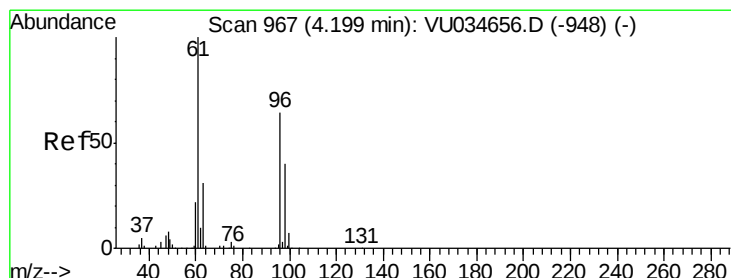
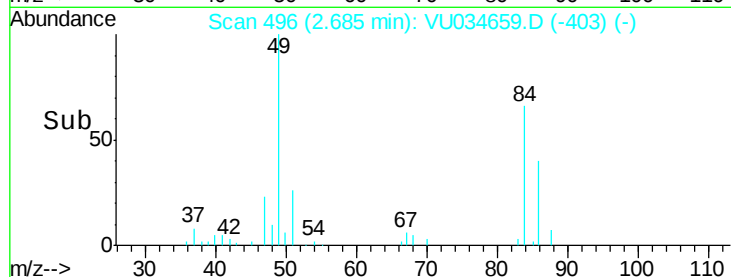
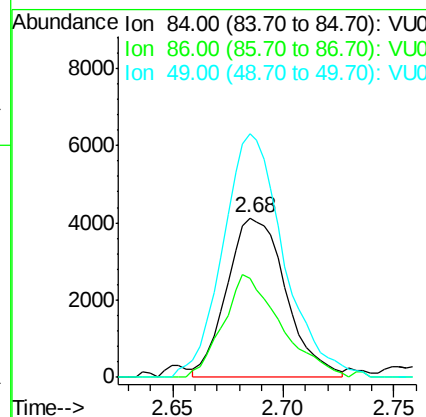
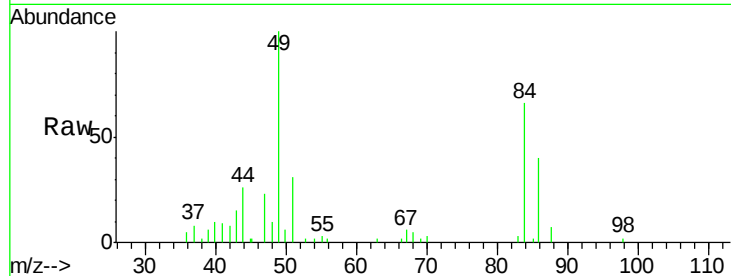
#16
Methvlene chloride
Concen: 1.995 ug/L
RT: 2.68 min Scan# 496
Delta R.T. -0.00 min
Lab File: VU034659.D
Acq: 19 Sep 2019 20:16

Instrument :
MSVOA_U
ClientSampled :
BDF8

Tot Ion	Ratio	Lower	Upper
84	100		
86	61.7	43.0	80.0
49	152.4	109.7	203.7

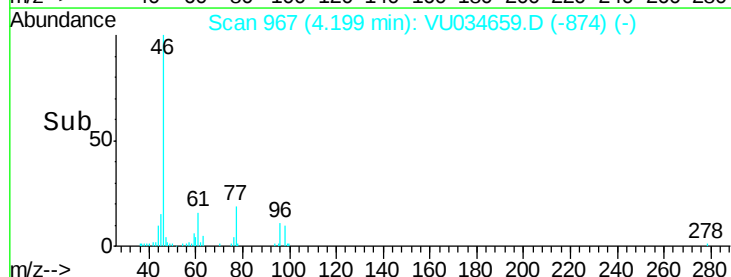
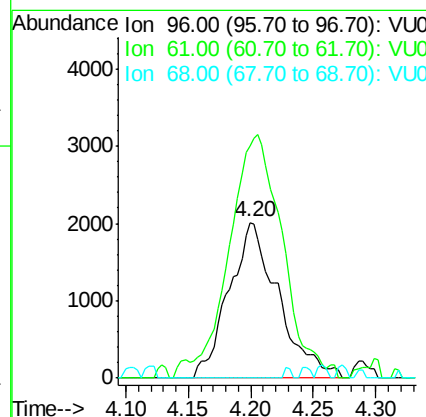
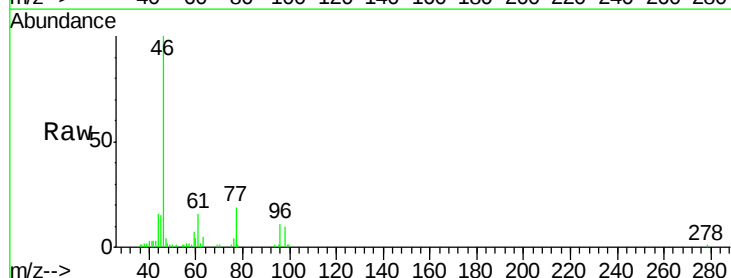
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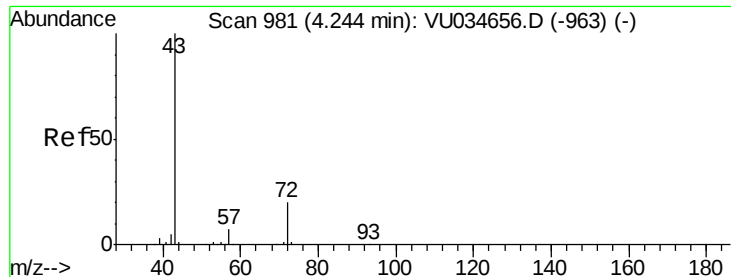
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#20
cis-1,2-Dichloroethene
Concen: 1.436 ug/L m
RT: 4.20 min Scan# 967
Delta R.T. -0.00 min
Lab File: VU034659.D
Acq: 19 Sep 2019 20:16

Tgt Ion	Ratio	Lower	Upper
96	100		
61	149.4	108.8	202.2
68	0.0	0.0	0.0





#22

2-Butanone

Concen: 4.614 ug/L

RT: 4.26 min Scan# 985

Delta R.T. 0.01 min

Lab File: VU034659.D

Acq: 19 Sep 2019 20:16

Instrument :

MSVOA_U

ClientSampleId :

BDF8

Tot Ion: 43 Resp: 23180

Ion Ratio Lower Upper

43 100

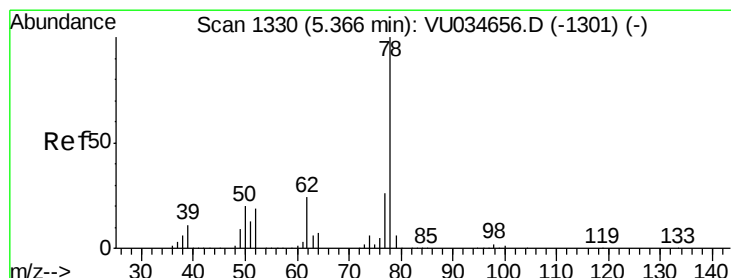
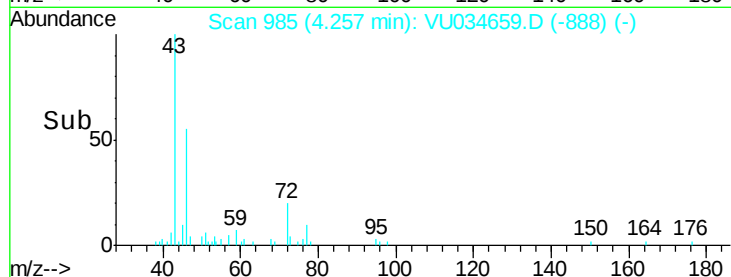
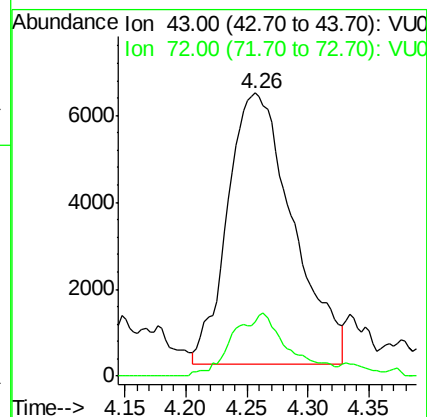
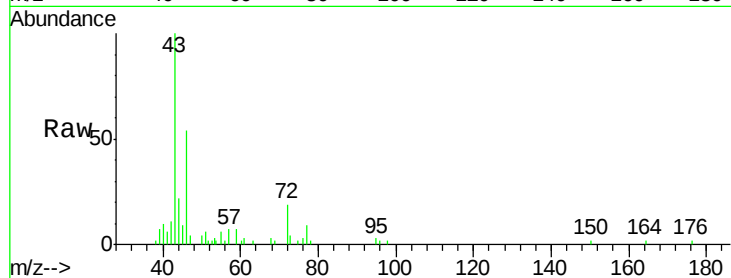
72 10.6 10.2 30.6

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#33

Benzene

Concen: 2.051 ug/L

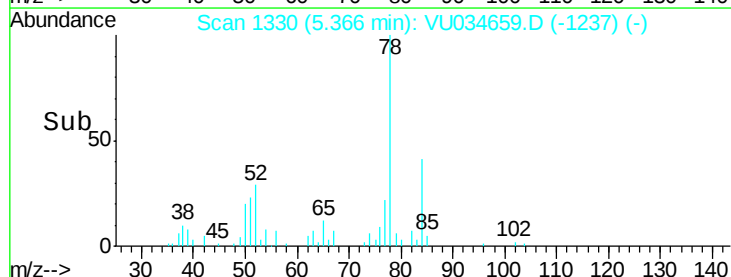
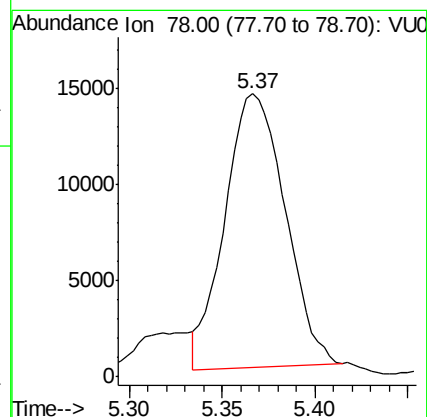
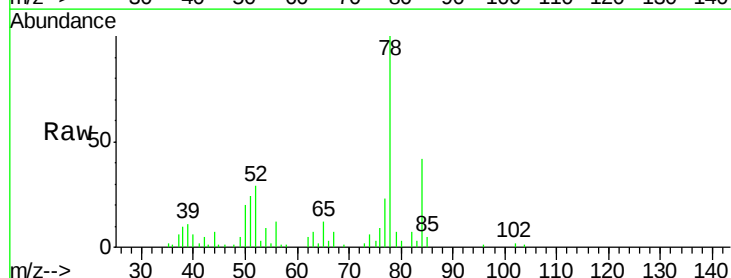
RT: 5.37 min Scan# 1330

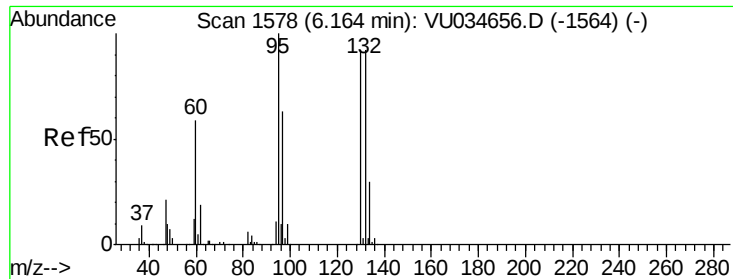
Delta R.T. -0.00 min

Lab File: VU034659.D

Acq: 19 Sep 2019 20:16

Tgt Ion: 78 Resp: 32119





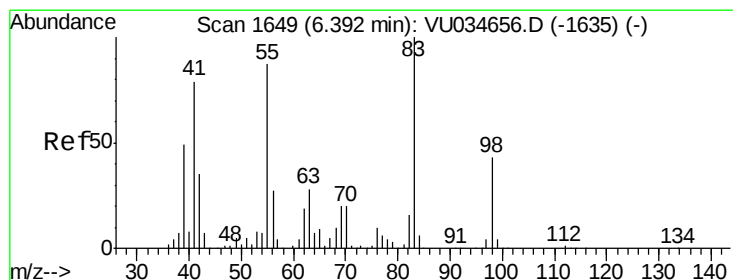
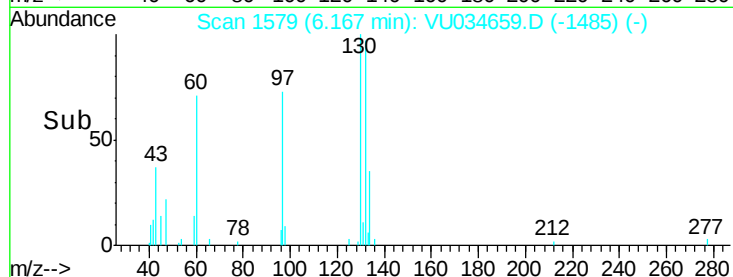
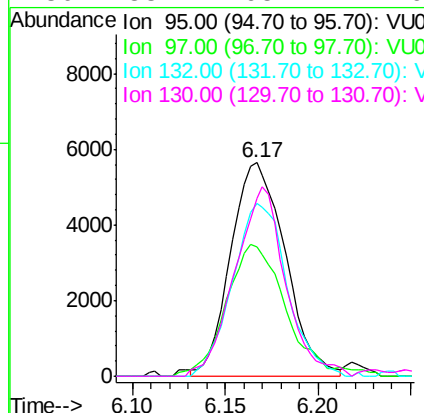
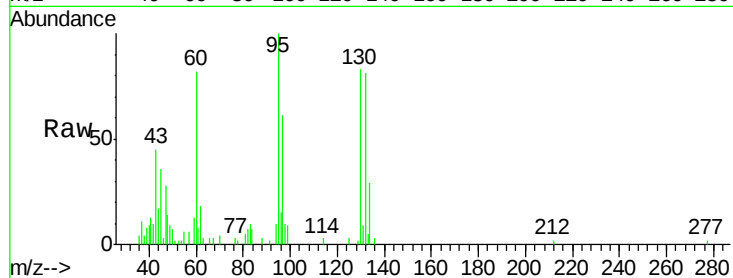
#34
 Trichloroethene
 Concen: 2.987 ug/L
 RT: 6.17 min Scan# 1579
 Delta R.T. 0.00 min
 Lab File: VU034659.D
 Acq: 19 Sep 2019 20:16

Instrument :
 MSVOA_U
 ClientSampleId :
 BPDF8

Tot Ion:	95	Resp:	11553
Ion	Ratio	Lower	Upper
95	100		
97	60.7	43.7	81.1
132	81.0	61.0	113.2
130	83.4	65.7	121.9

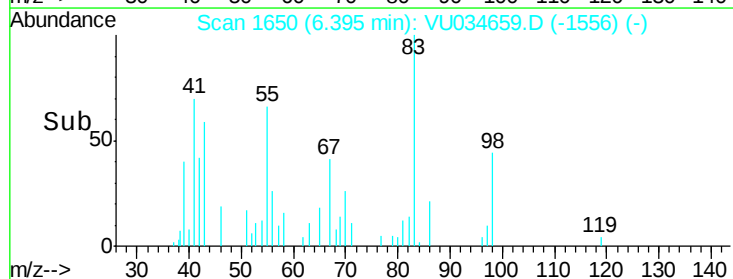
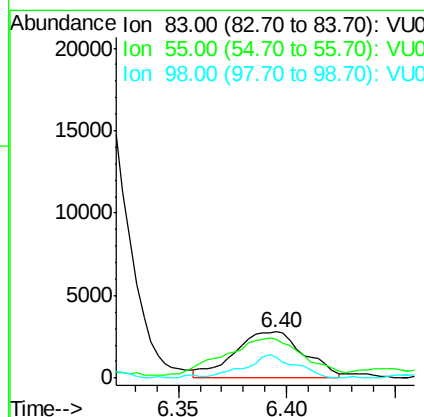
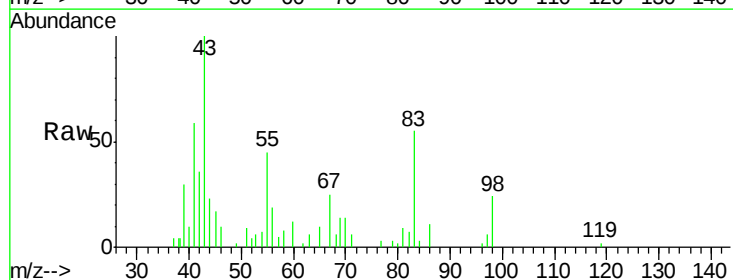
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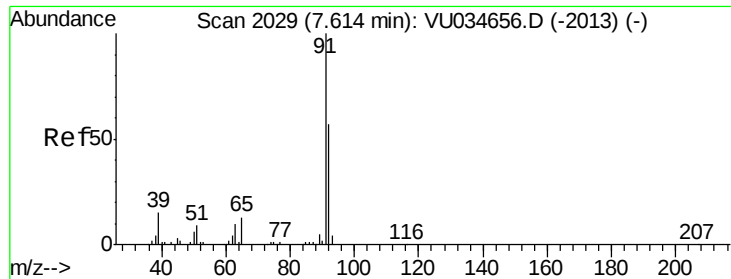
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#35
 Methylcyclohexane
 Concen: 0.963 ug/L m
 RT: 6.40 min Scan# 1650
 Delta R.T. 0.00 min
 Lab File: VU034659.D
 Acq: 19 Sep 2019 20:16

Tgt Ion:	83	Resp:	6321
Ion	Ratio	Lower	Upper
83	100		
55	90.0	71.6	107.4
98	36.1	35.7	53.5





#42

Toluene

Concen: 26.145 ug/L

RT: 7.62 min Scan# 2030

Delta R.T. 0.00 min

Lab File: VU034659.D

Acq: 19 Sep 2019 20:16

Instrument :

MSVOA_U

ClientSampled :

BDF8

Tot Ion: 91 Resp: 442486

Ion Ratio Lower Upper

91 100

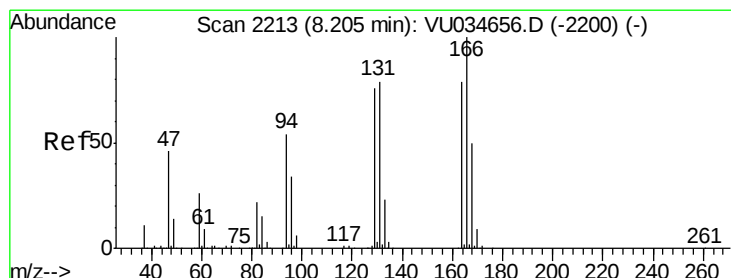
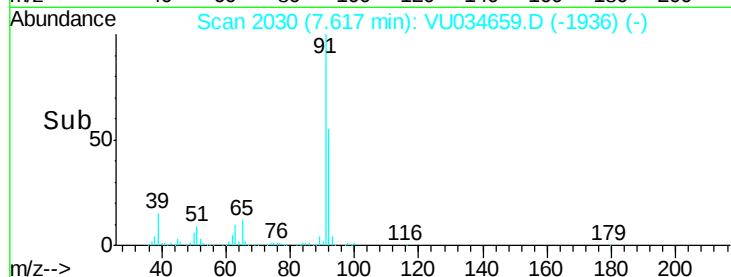
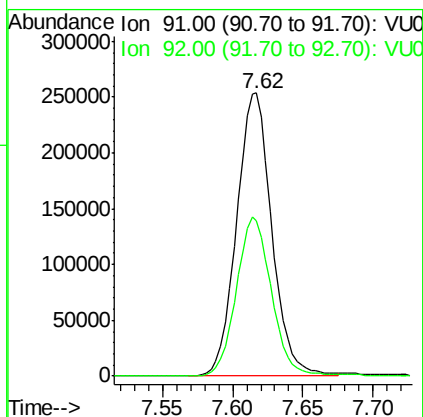
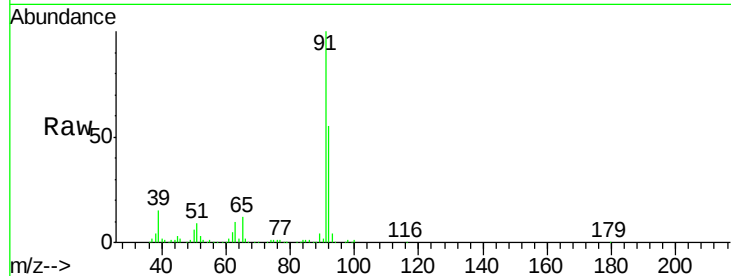
92 55.0 38.2 71.0

Manual Integrations

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#46

Tetrachloroethene

Concen: 6.905 ug/L

RT: 8.21 min Scan# 2213

Delta R.T. -0.00 min

Lab File: VU034659.D

Acq: 19 Sep 2019 20:16

Tgt Ion: 164 Resp: 18785

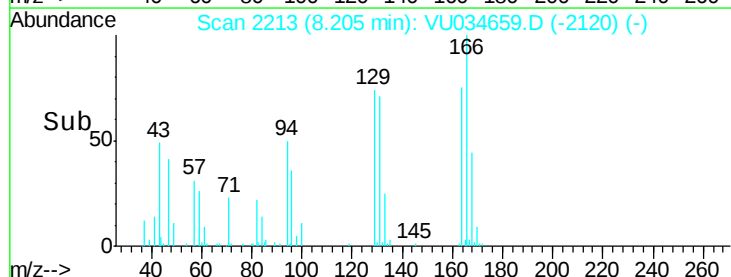
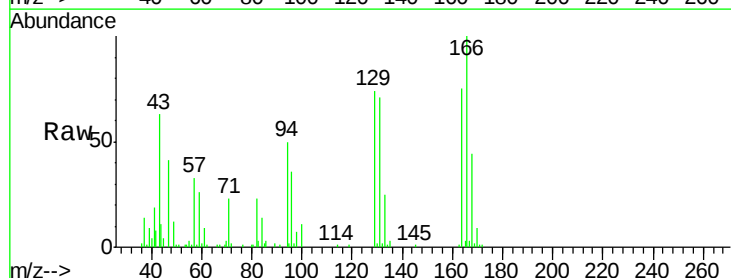
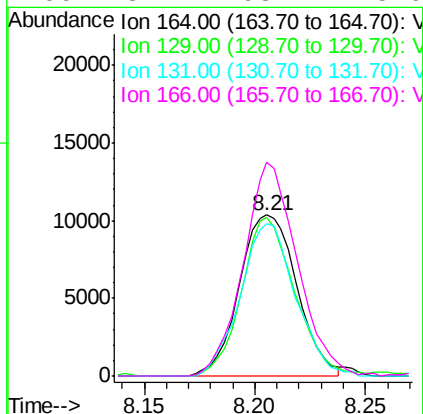
Ion Ratio Lower Upper

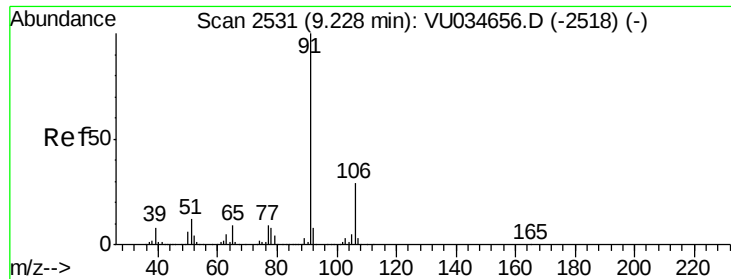
164 100

129 98.8 71.9 133.5

131 94.5 66.3 123.1

166 132.7 93.4 173.6





#52

Ethylbenzene

Concen: 8.989 ug/L

RT: 9.23 min Scan# 2531

Delta R.T. -0.00 min

Lab File: VU034659.D

Acq: 19 Sep 2019 20:16

Instrument :

MSVOA_U

ClientSampleId :

BDF8

Tot Ion: 91 Resp: 171319

Ion Ratio Lower Upper

91 100

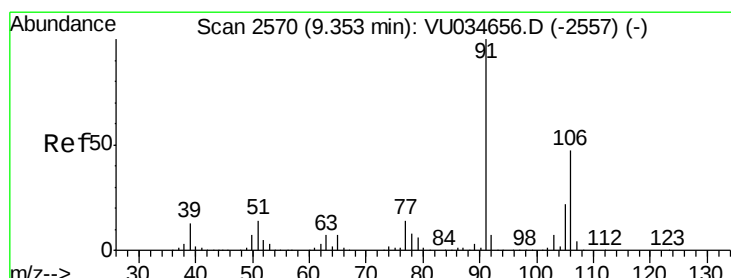
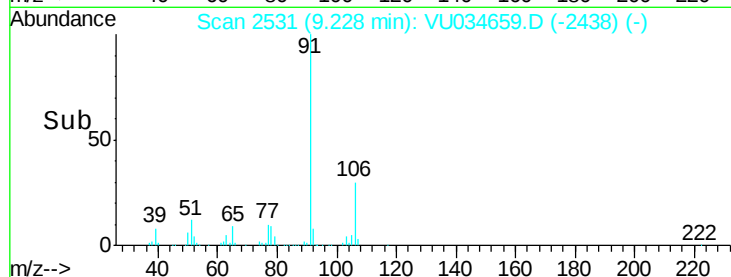
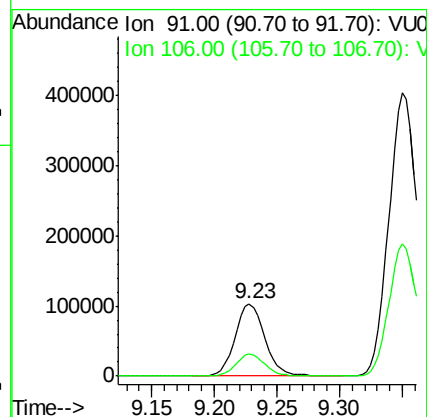
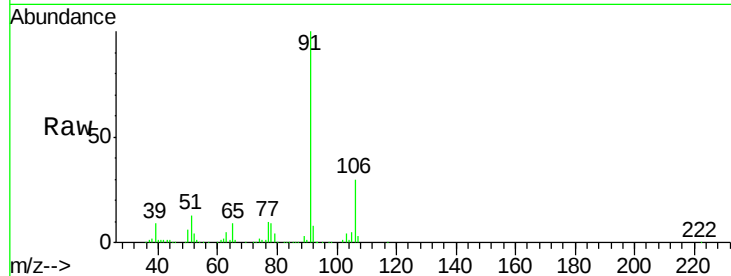
106 30.5 20.6 38.4

Manual Integrations

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#53

m,p-Xylene

Concen: 45.482 ug/L

RT: 9.35 min Scan# 2569

Delta R.T. -0.00 min

Lab File: VU034659.D

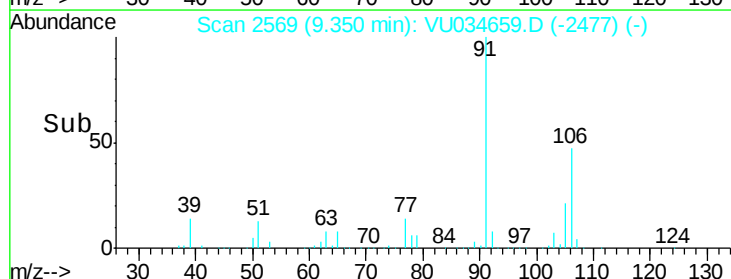
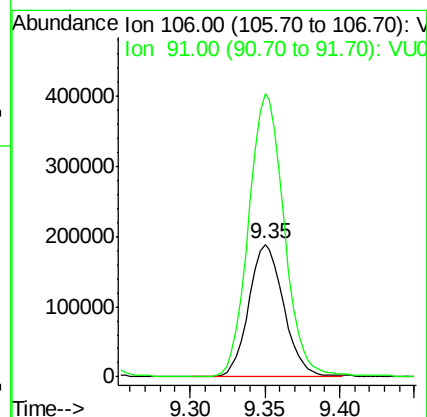
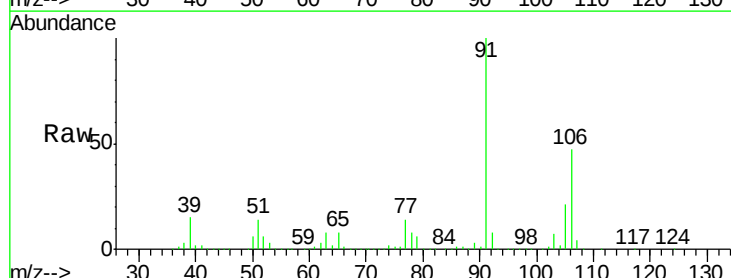
Acq: 19 Sep 2019 20:16

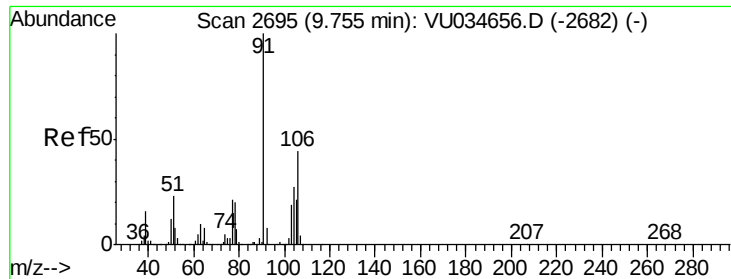
Tgt Ion: 106 Resp: 307018

Ion Ratio Lower Upper

106 100

91 213.2 146.9 272.7





#54

o-xylene

Concen: 41.133 ug/L

RT: 9.76 min Scan# 2695

Delta R.T. -0.00 min

Lab File: VU034659.D

Acq: 19 Sep 2019 20:16

Instrument :

MSVOA_U

ClientSampled :

BDF8

Tot Ion:106 Resp: 274630

Ion Ratio Lower Upper

106 100

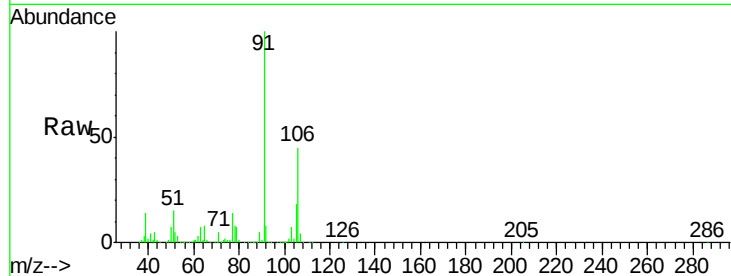
91 221.4 155.6 289.0

Manual Integrations

APPROVED

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9/20/2019 12:43:36 PM



Abundance Ion 106.00 (105.70 to 106.70): V

Ion 91.00 (90.70 to 91.70): VU0

400000

300000

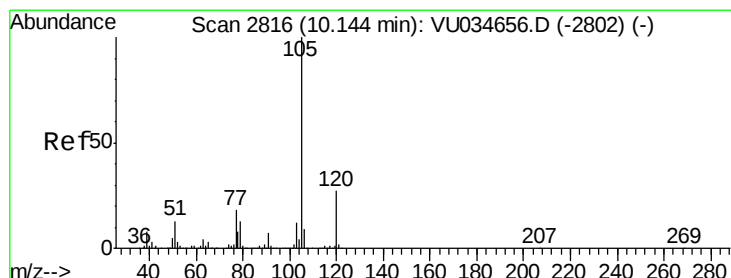
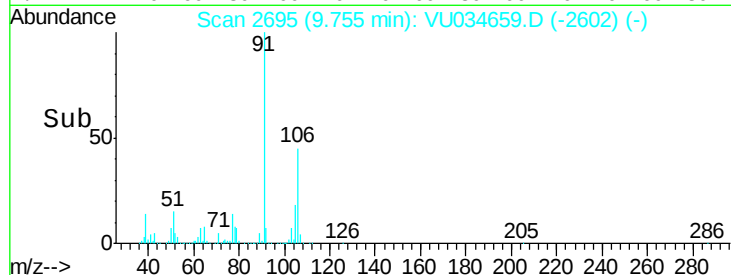
200000

100000

0

9.70 9.75 9.80 9.85

Time-->



#56

Isopropylbenzene

Concen: 1.999 ug/L

RT: 10.14 min Scan# 2816

Delta R.T. -0.00 min

Lab File: VU034659.D

Acq: 19 Sep 2019 20:16

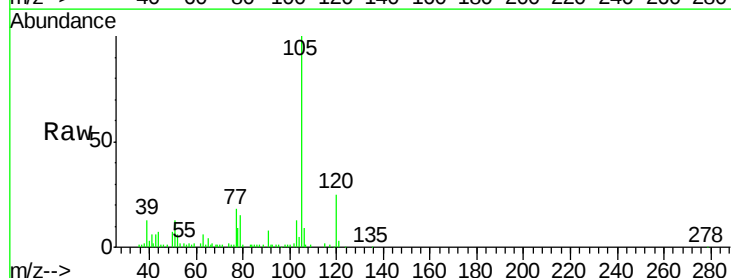
Tgt Ion:105 Resp: 35981

Ion Ratio Lower Upper

105 100

120 23.2 20.4 30.6

77 18.5 14.2 21.4



Abundance Ion 105.00 (104.70 to 105.70): V

Ion 120.00 (119.70 to 120.70): V

Ion 77.00 (76.70 to 77.70): VU0

30000

25000

20000

15000

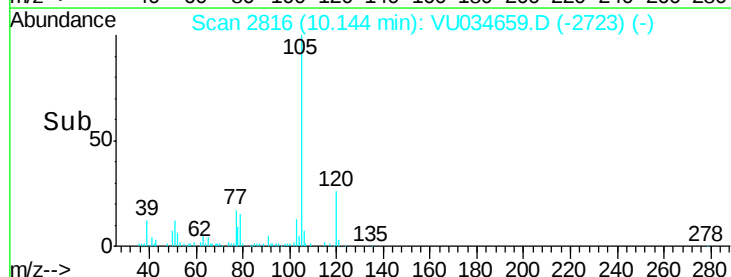
10000

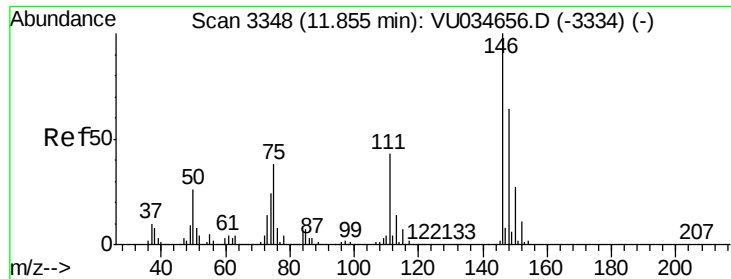
5000

0

10.10 10.15 10.20

Time-->





#65
 1,2-Dichlorobenzene
 Concen: 9.446 ug/L
 RT: 11.85 min Scan# 3348
 Delta R.T. -0.00 min
 Lab File: VU034659.D
 Acq: 19 Sep 2019 20:16

Instrument :
 MSVOA_U
 ClientSampleId :
 BPDF8

Tot Ion	Ratio	Lower	Upper
146	100		
111	41.8	35.2	52.8
148	66.0	53.0	79.6

Manual Integrations
 APPROVED

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