

Data Path : Z:\VOASRV\HPCHEM1\MSVOA U\DATA\U100219\
 Data File : VU034906.D
 Acq On : 01 Oct 2019 22:28
 Operator : JC/SP
 Sample : K5028-15
 Misc : 5.0mL/MSVOA U/WATER
 ALS Vial : 19 Sample Multiplier: 1

Instrument :
 MSVOA_U
 ClientSampleId :
 BFDM9

Manual Integrations
 APPROVED

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 10/4/2019 12:14:20 PM

Quant Time: Oct 02 04:49:42 2019
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_U\METHOD\SOMULM100119WMA.M
 Quant Title : VOC Analysis
 QLast Update : Wed Oct 02 01:50:17 2019
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Difluorobenzene	5.86	114	351341	50.00	ug/L	0.00
28) Chlorobenzene-d5	9.07	117	343860	50.00	ug/L	0.00
60) 1,4-Dichlorobenzene-d4	11.46	152	151695	50.00	ug/L	0.00

System Monitoring Compounds

4) Vinyl Chloride-d3	1.39	65	100598	40.85	ug/L	0.00
Spiked Amount	50.000	Range	60 - 135	Recovery	=	81.70%
7) Chloroethane-d5	1.67	69	90006	43.51	ug/L	0.00
Spiked Amount	50.000	Range	70 - 130	Recovery	=	87.02%
11) 1,1-Dichloroethene-d2	2.26	63	153464	34.96	ug/L	0.00
Spiked Amount	50.000	Range	60 - 125	Recovery	=	69.92%
21) 2-Butanone-d5	4.15	46	280281	116.65	ug/L	0.00
Spiked Amount	100.000	Range	40 - 130	Recovery	=	116.65%
24) Chloroform-d	4.62	84	226612	47.42	ug/L	0.00
Spiked Amount	50.000	Range	70 - 125	Recovery	=	94.84%
26) 1,2-Dichloroethane-d4	5.29	65	164882	46.99	ug/L	0.00
Spiked Amount	50.000	Range	70 - 125	Recovery	=	93.98%
32) Benzene-d6	5.32	84	439101	46.92	ug/L	0.00
Spiked Amount	50.000	Range	70 - 125	Recovery	=	93.84%
36) 1,2-Dichloropropane-d6	6.31	67	156479	48.62	ug/L	0.00
Spiked Amount	50.000	Range	70 - 120	Recovery	=	97.24%
41) Toluene-d8	7.54	98	405504	46.04	ug/L	0.00
Spiked Amount	50.000	Range	80 - 120	Recovery	=	92.08%
43) trans-1,3-Dichloropropene-	7.83	79	66461	46.63	ug/L	0.00
Spiked Amount	50.000	Range	60 - 125	Recovery	=	93.26%
47) 2-Hexanone-d5	8.29	63	186706	121.20	ug/L	0.00
Spiked Amount	100.000	Range	45 - 130	Recovery	=	121.20%
57) 1,1,2,2-Tetrachloroethane-	10.41	84	226122	49.19	ug/L	0.00
Spiked Amount	50.000	Range	65 - 120	Recovery	=	98.38%
64) 1,2-Dichlorobenzene-d4	11.84	152	149535	49.54	ug/L	0.00
Spiked Amount	50.000	Range	80 - 120	Recovery	=	99.08%

Target Compounds

Target Compounds	R.T.	QIon	Response	Conc	Units	Ovalue
13) Acetone	2.31	43	44536	23.320	ug/L	99
15) Methyl Acetate	2.61	43	4392m	1.441	ug/L	
16) Methylene chloride	2.69	84	31691	16.465	ug/L	97
22) 2-Butanone	4.25	43	14213m	5.730	ug/L	
29) Cyclohexane	4.97	56	4448	1.783	ug/L	99
33) Benzene	5.37	78	79706	10.868	ug/L	100
35) Methylcyclohexane	6.39	83	3307	1.438	ug/L	98
42) Toluene	7.62	91	20782	2.634	ug/L	93
51) Chlorobenzene	9.10	112	36694	6.862	ug/L	97
52) Ethylbenzene	9.23	91	37903	4.092	ug/L	99
53) m,p-Xylene	9.36	106	27393	8.464	ug/L	97
54) o-xylene	9.76	106	92705	27.160	ug/L	100
56) Isopropylbenzene	10.14	105	11673	1.224	ug/L	98

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

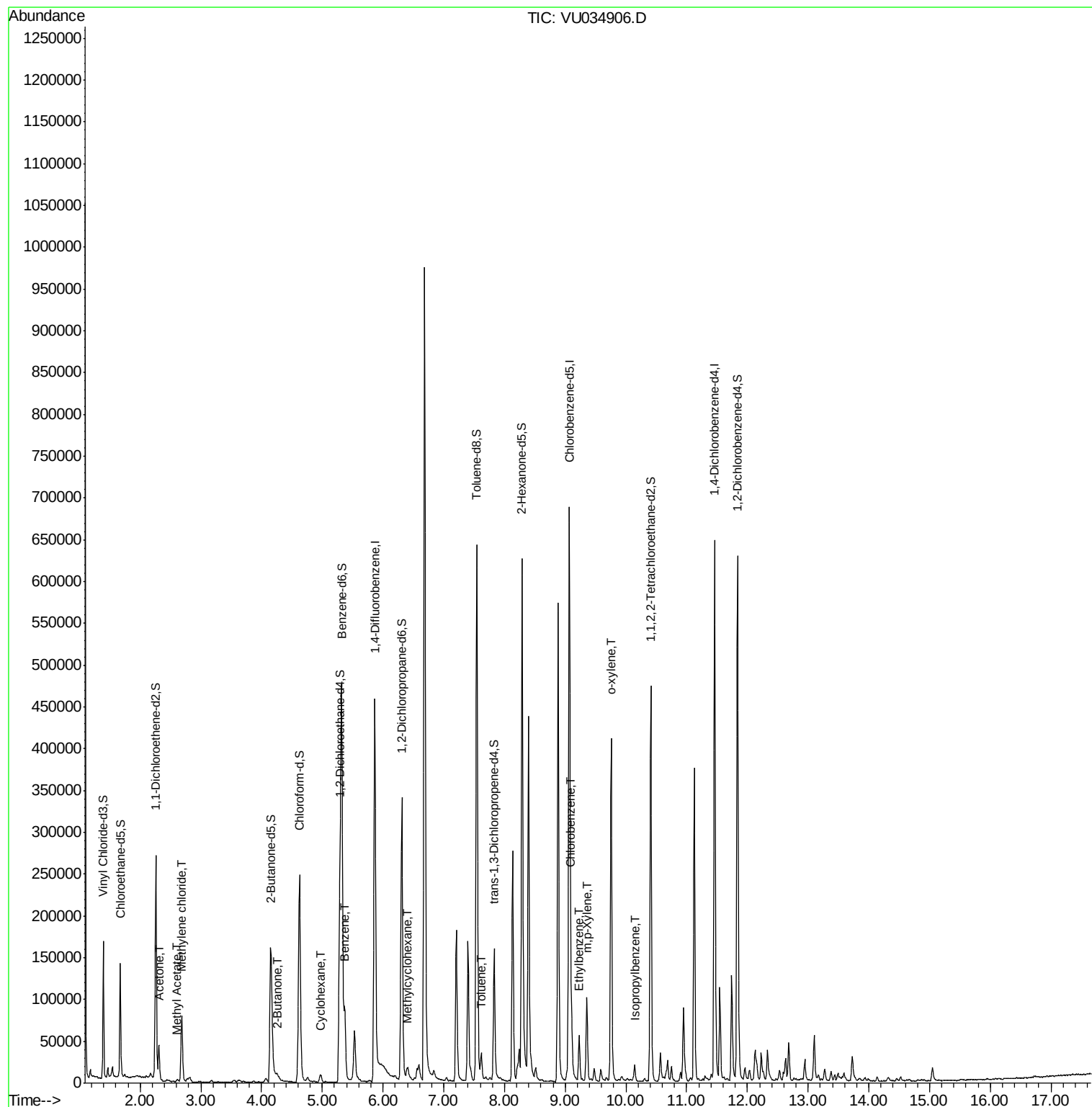
Data Path : Z:\V0ASRV\HPCHEM1\MSVOA U\DATA\VU100219\
Data File : VU034906.D
Acq On : 01 Oct 2019 22:28
Operator : JC/SP
Sample : K5028-15
Misc : 5.0mL/MSVOA U/WATER
ALS Vial : 19 Sample Multiplier: 1

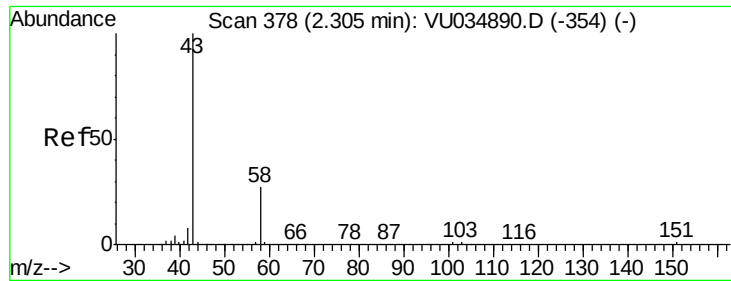
Instrument :
MSVOA_U
ClientSampleId :
BFDM9

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Quant Time: Oct 02 04:49:42 2019
Quant Method : Z:\V0ASRV\HPCHEM1\MSVOA_U\METHOD\SOMULM100119WMA.M
Quant Title : VOC Analysis
QLast Update : Wed Oct 02 01:50:17 2019
Response via : Initial Calibration





#13

Acetone

Concen: 23.320 ug/L

RT: 2.31 min Scan# 379

Delta R.T. 0.00 min

Lab File: VU034906.D

Acq: 01 Oct 2019 22:28

Instrument :

MSVOA_U

ClientSampleId :

BFDM9

Tot Ion: 43 Resp: 44536

Ion Ratio Lower Upper

43 100

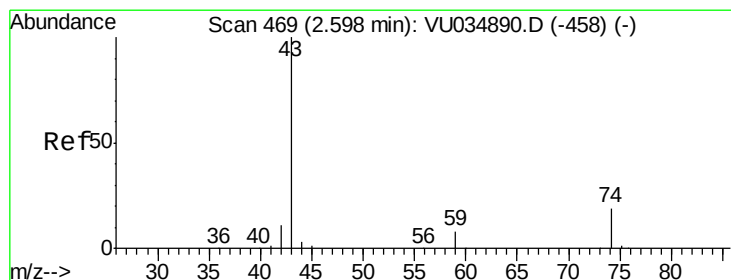
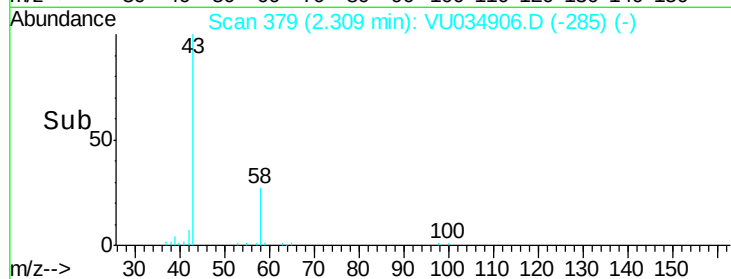
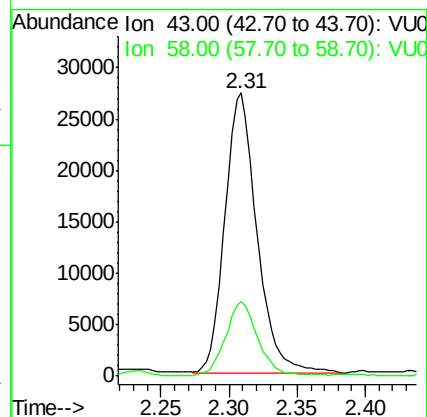
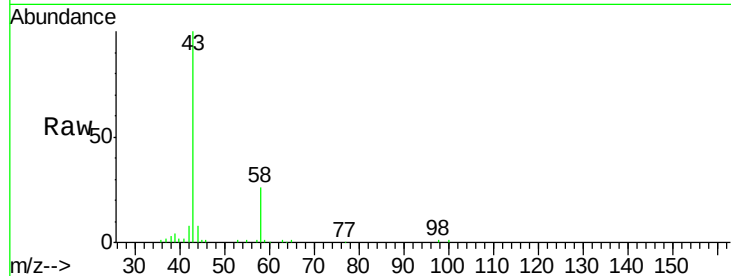
58 26.7 0.0 52.6

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#15

Methyl Acetate

Concen: 1.441 ug/L m

RT: 2.61 min Scan# 473

Delta R.T. 0.01 min

Lab File: VU034906.D

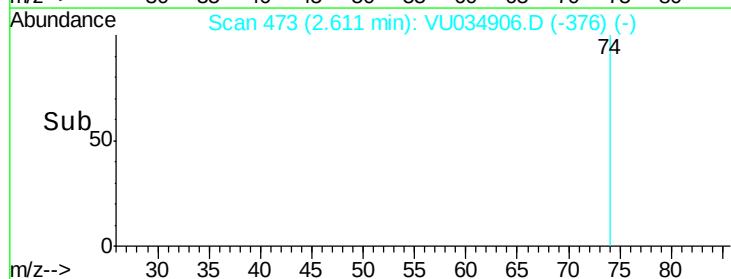
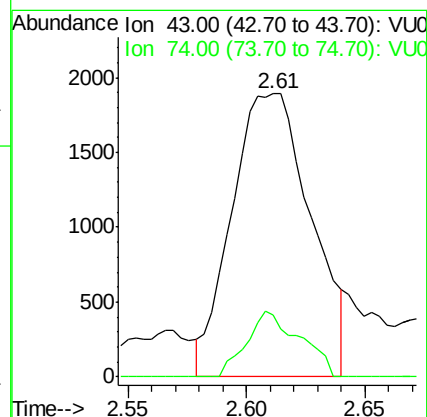
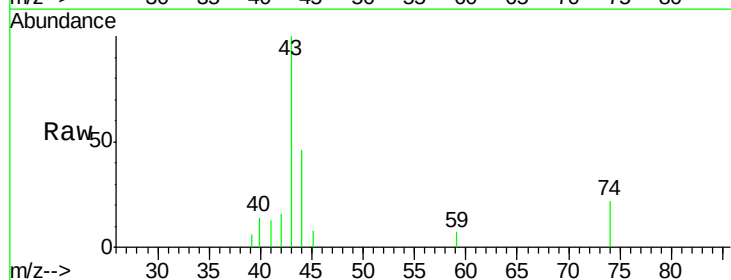
Acq: 01 Oct 2019 22:28

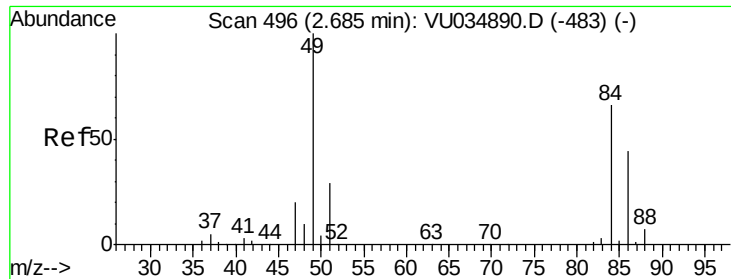
Tgt Ion: 43 Resp: 4392

Ion Ratio Lower Upper

43 100

74 15.7 15.3 22.9





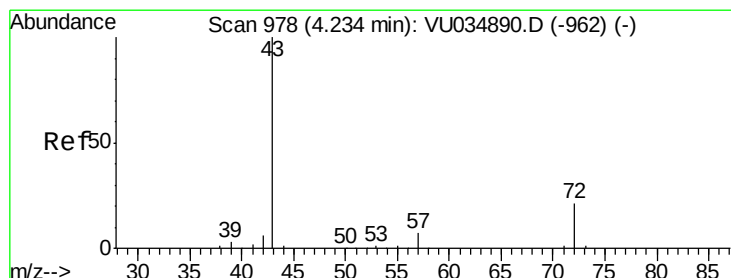
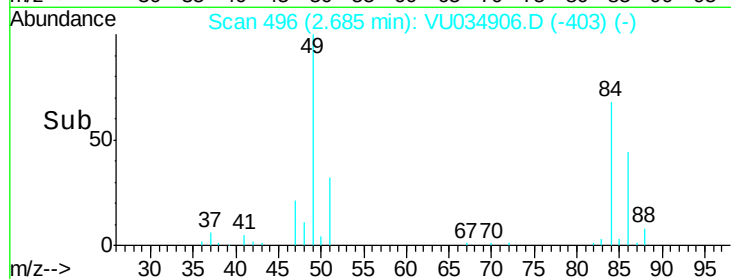
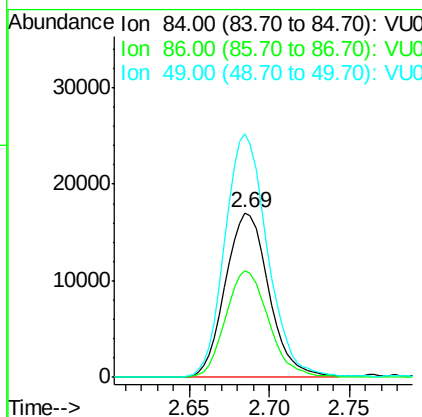
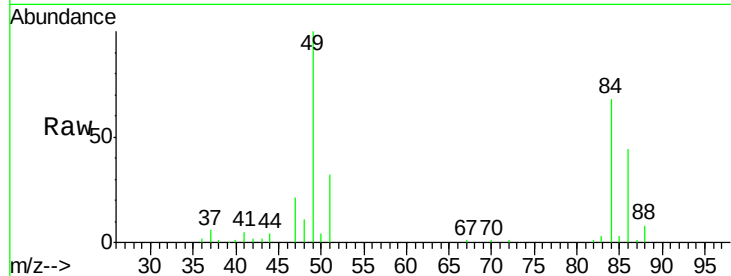
#16
Methylene chloride
Concen: 16.465 ug/L
RT: 2.69 min Scan# 496
Delta R.T. 0.00 min
Lab File: VU034906.D
Acq: 01 Oct 2019 22:28

Instrument :
MSVOA_U
ClientSampleId :
BFDm9

Tot Ion	84	Resp	31691
Ion Ratio	Lower	Upper	
84	100		
86	64.7	44.7	82.9
49	147.8	100.7	186.9

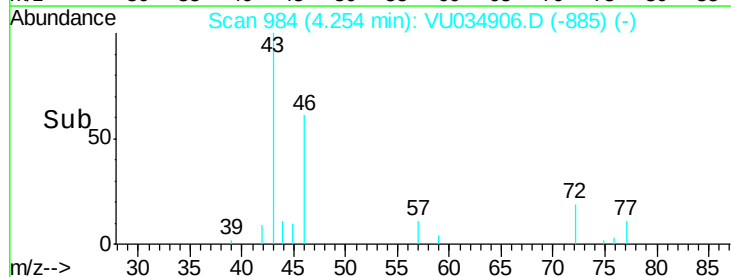
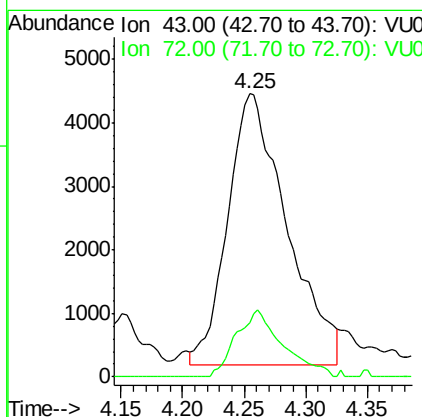
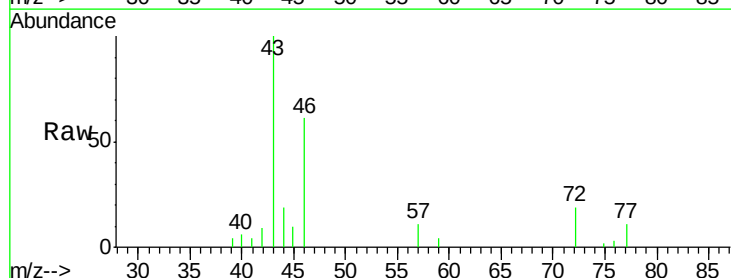
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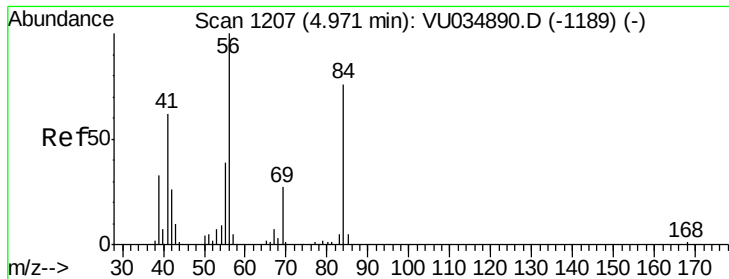
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#22
2-Butanone
Concen: 5.730 ug/L m
RT: 4.25 min Scan# 984
Delta R.T. 0.02 min
Lab File: VU034906.D
Acq: 01 Oct 2019 22:28

Tgt Ion	43	Resp	14213
Ion Ratio	Lower	Upper	
43	100		
72	19.6	11.2	33.6





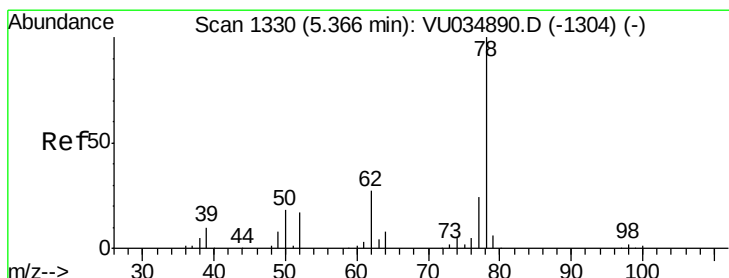
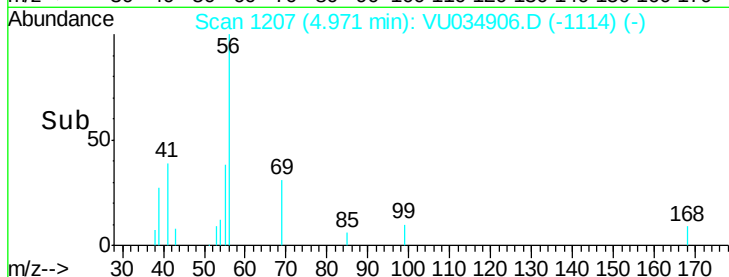
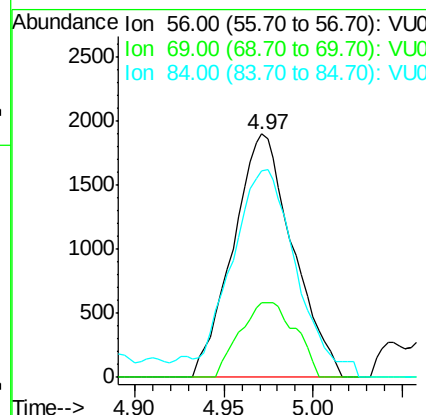
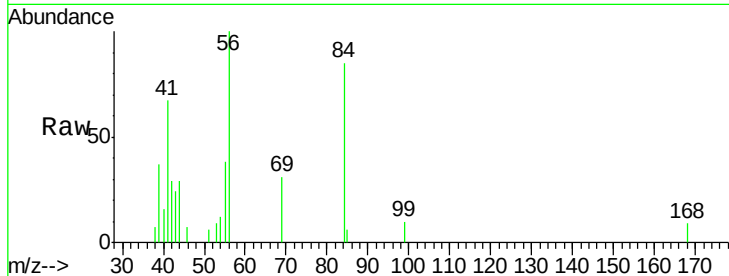
#29
Cyclohexane
Concen: 1.783 ug/L
RT: 4.97 min Scan# 1207
Delta R.T. 0.00 min
Lab File: VU034906.D
Acq: 01 Oct 2019 22:28

Instrument :
MSVOA_U
ClientSampled :
BFD9

Tot Ion	Ratio	Lower	Upper
56	100		
69	28.4	22.6	33.8
84	77.6	61.6	92.4

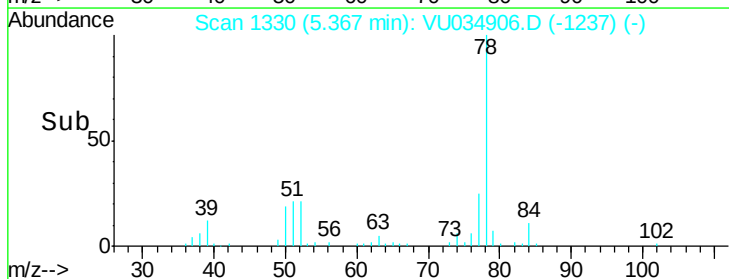
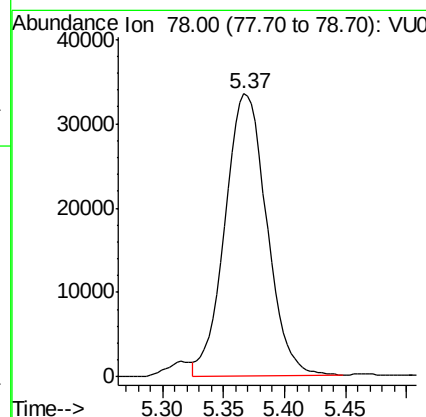
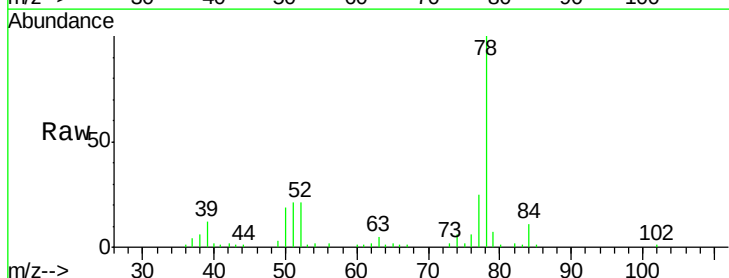
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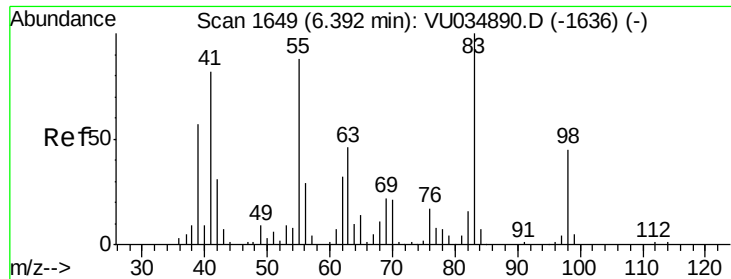
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#33
Benzene
Concen: 10.868 ug/L
RT: 5.37 min Scan# 1330
Delta R.T. 0.00 min
Lab File: VU034906.D
Acq: 01 Oct 2019 22:28

Tgt Ion: 78 Resp: 79706





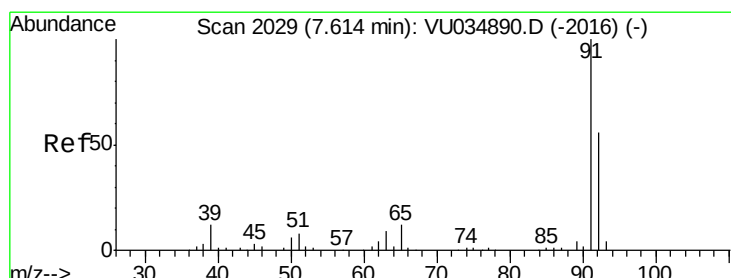
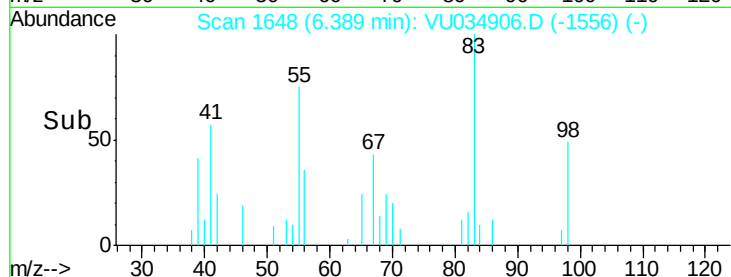
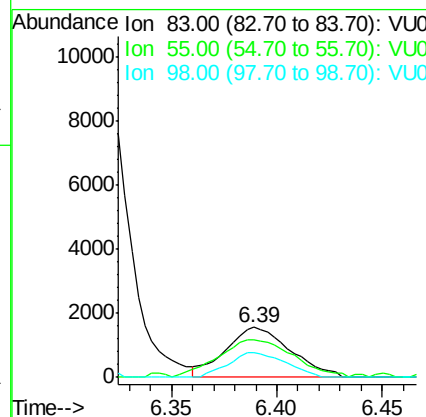
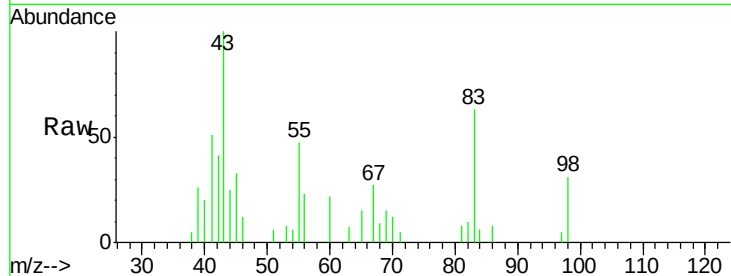
#35
Methylvlcyclohexane
Concen: 1.438 ug/L
RT: 6.39 min Scan# 1648
Delta R.T. -0.00 min
Lab File: VU034906.D
Acq: 01 Oct 2019 22:28

Instrument :
MSVOA_U
ClientSampled :
BFDM9

Tot Ion	Ratio	Lower	Upper
83	100		
55	88.4	68.4	102.6
98	43.8	35.3	52.9

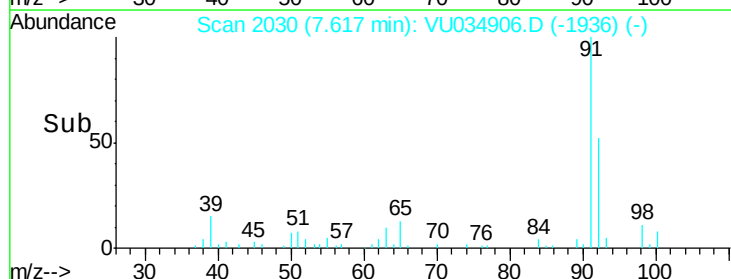
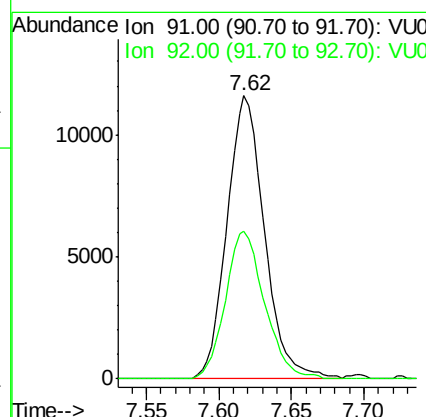
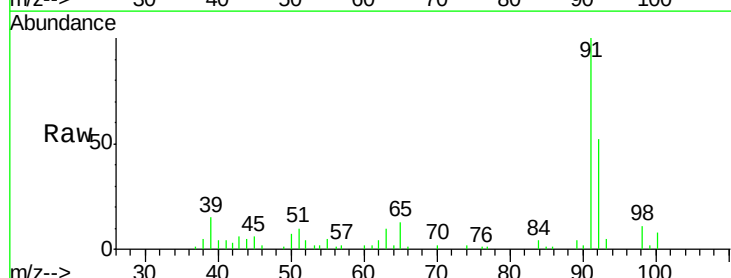
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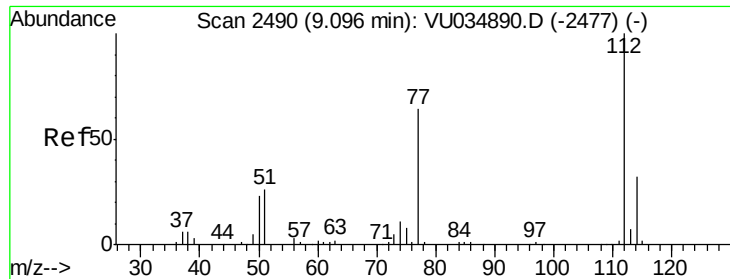
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#42
Toluene
Concen: 2.634 ug/L
RT: 7.62 min Scan# 2030
Delta R.T. 0.00 min
Lab File: VU034906.D
Acq: 01 Oct 2019 22:28

Tgt Ion	Ratio	Lower	Upper
91	100		
92	52.0	40.0	74.4





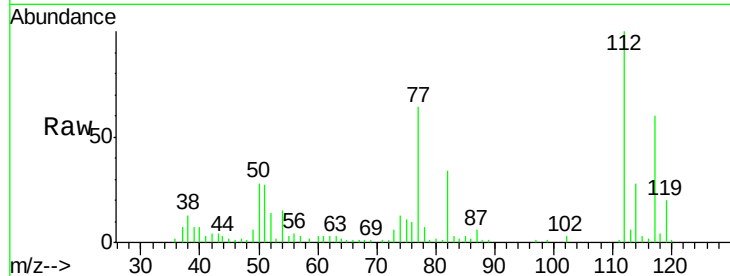
#51
Chlorobenzene
Concen: 6.862 ug/L
RT: 9.10 min Scan# 2490
Delta R.T. 0.00 min
Lab File: VU034906.D
Acq: 01 Oct 2019 22:28

Instrument :
MSVOA_U
ClientSampled :
BFDM9

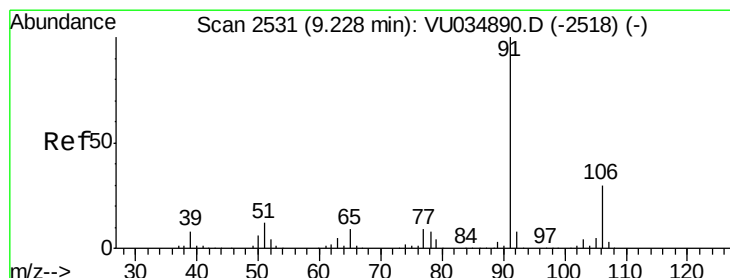
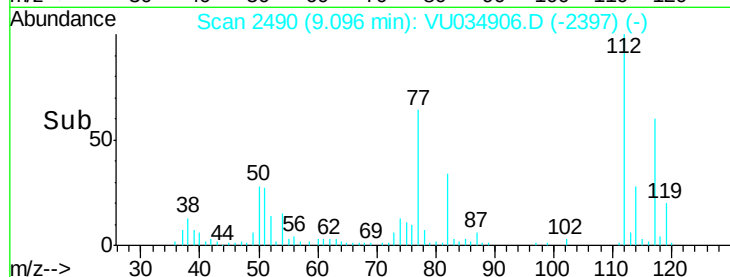
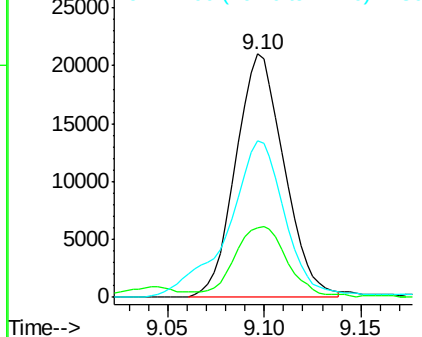
Tot Ion	Ratio	Lower	Upper
112	100		
114	28.4	21.7	40.3
77	64.1	50.1	75.1

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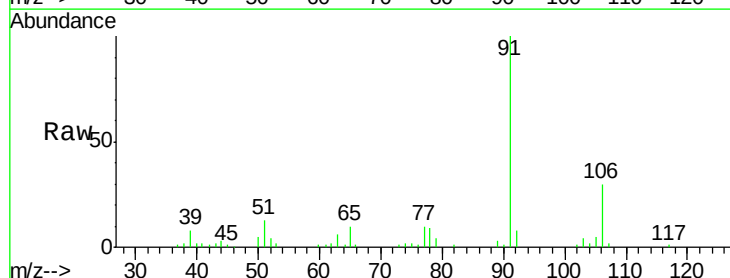


Abundance Ion 112.00 (111.70 to 112.70): V
Ion 114.00 (113.70 to 114.70): V
Ion 77.00 (76.70 to 77.70): V

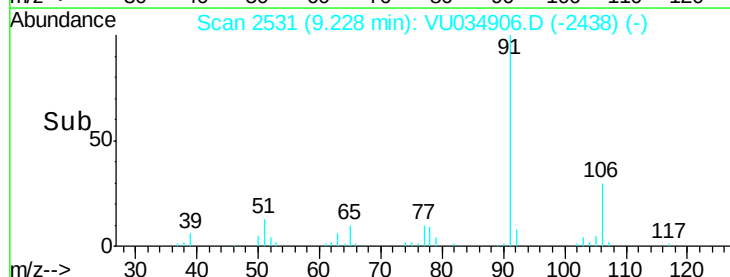
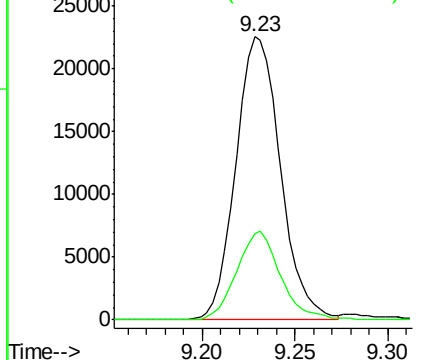


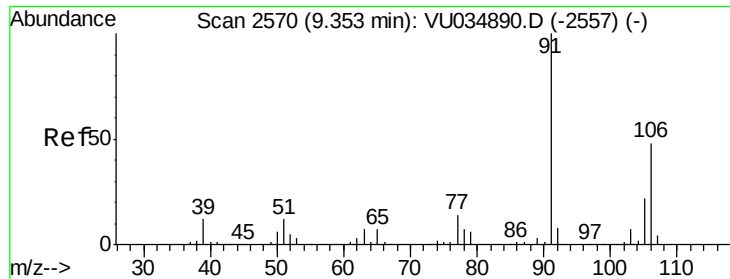
#52
Ethylbenzene
Concen: 4.092 ug/L
RT: 9.23 min Scan# 2531
Delta R.T. 0.00 min
Lab File: VU034906.D
Acq: 01 Oct 2019 22:28

Tgt Ion	Ratio	Lower	Upper
91	100		
106	30.4	20.9	38.9



Abundance Ion 91.00 (90.70 to 91.70): V
Ion 106.00 (105.70 to 106.70): V





#53

m,p-Xylene

Concen: 8.464 ug/L

RT: 9.36 min Scan# 2571

Delta R.T. 0.00 min

Lab File: VU034906.D

Acq: 01 Oct 2019 22:28

Instrument :

MSVOA_U

ClientSampled :

BFDM9

Tot Ion:106 Resp: 27393

Ion Ratio Lower Upper

106 100

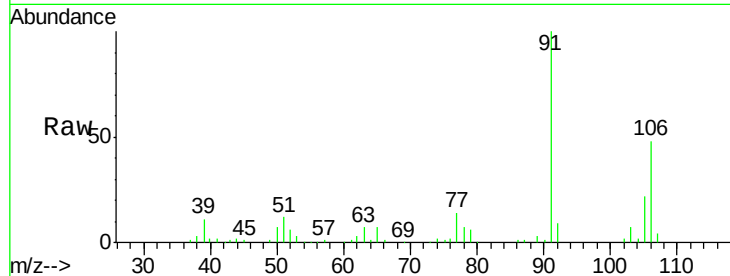
91 209.8 150.1 278.9

Manual Integrations

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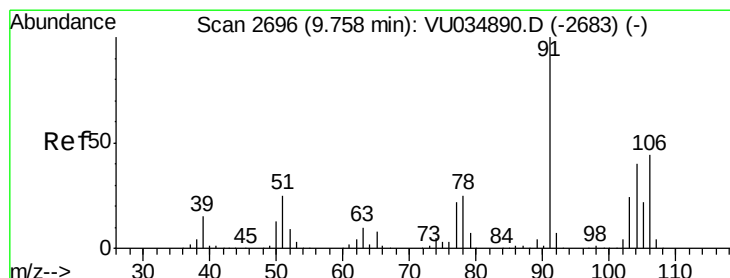
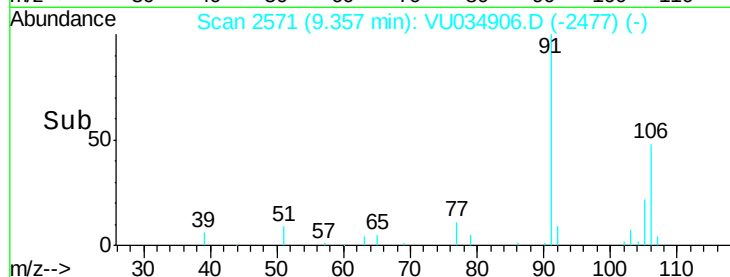
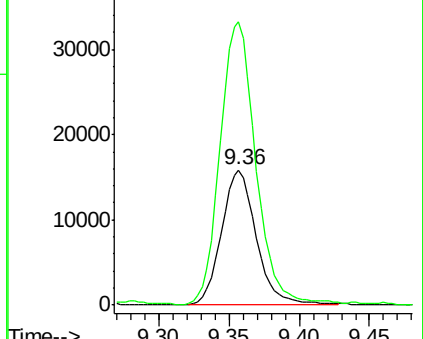
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Abundance Ion 106.00 (105.70 to 106.70): V

Ion 91.00 (90.70 to 91.70): VU0



#54

o-xylene

Concen: 27.160 ug/L

RT: 9.76 min Scan# 2695

Delta R.T. -0.00 min

Lab File: VU034906.D

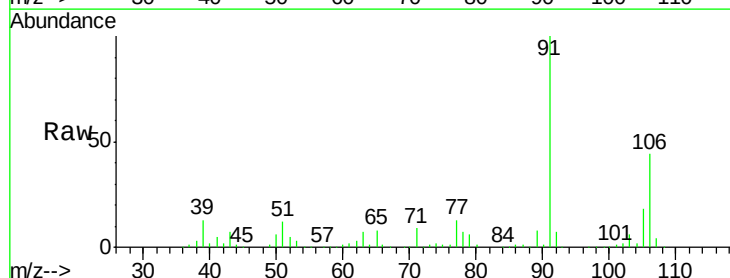
Acq: 01 Oct 2019 22:28

Tgt Ion:106 Resp: 92705

Ion Ratio Lower Upper

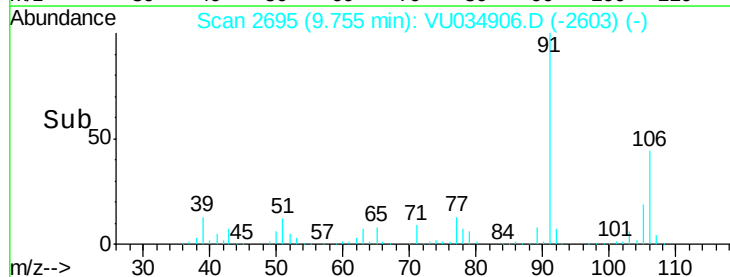
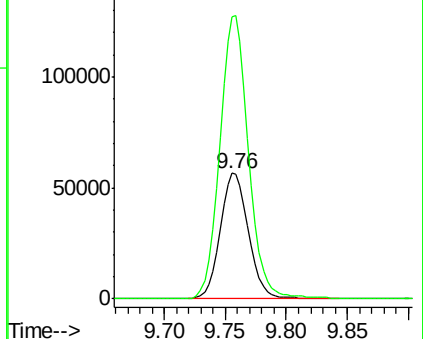
106 100

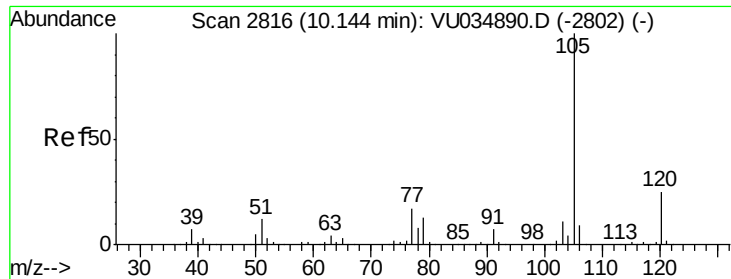
91 225.6 157.8 293.0



Abundance Ion 106.00 (105.70 to 106.70): V

Ion 91.00 (90.70 to 91.70): VU0





#56
Isopropylbenzene
Concen: 1.224 ug/L
RT: 10.14 min Scan# 2816
Delta R.T. 0.00 min
Lab File: VU034906.D
Acq: 01 Oct 2019 22:28

Instrument :
MSVOA_U
ClientSampleId :
BFDM9

Tot Ion	Ratio	Resp	Lower	Upper
105	100	11673		
120	26.4		20.2	30.4
77	18.0		13.7	20.5

Manual Integrations
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