

Data Path : Z:\VOASRV\HPCHEM1\MSVOA U\DATA\VU100219\
 Data File : VU034905.D
 Acq On : 01 Oct 2019 22:04
 Operator : JC/SP
 Sample : K5028-03
 Misc : 5.0mL/MSVOA U/WATER
 ALS Vial : 18 Sample Multiplier: 1

Instrument :
 MSVOA_U
 ClientSampleId :
 BFDK4

Manual Integrations
 APPROVED

MMDadoda
 10/4/2019 12:14:14 PM

Quant Time: Oct 02 04:39:42 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	354161	50.00	ug/L	0.00
28) Chlorobenzene-d5	9.07	117	340349	50.00	ug/L	0.00
60) 1,4-Dichlorobenzene-d4	11.46	152	151116	50.00	ug/L	0.00

System Monitoring Compounds

4) Vinyl Chloride-d3	1.39	65	100653	40.55	ug/L	0.00
Spiked Amount	50.000	Range	60 - 135	Recovery	=	81.10%
7) Chloroethane-d5	1.67	69	91036	43.65	ug/L	0.00
Spiked Amount	50.000	Range	70 - 130	Recovery	=	87.30%
11) 1,1-Dichloroethene-d2	2.26	63	155963	35.24	ug/L	0.00
Spiked Amount	50.000	Range	60 - 125	Recovery	=	70.48%
21) 2-Butanone-d5	4.15	46	281065	116.04	ug/L	0.00
Spiked Amount	100.000	Range	40 - 130	Recovery	=	116.04%
24) Chloroform-d	4.62	84	222942	46.28	ug/L	0.00
Spiked Amount	50.000	Range	70 - 125	Recovery	=	92.56%
26) 1,2-Dichloroethane-d4	5.29	65	164103	46.40	ug/L	0.00
Spiked Amount	50.000	Range	70 - 125	Recovery	=	92.80%
32) Benzene-d6	5.32	84	434899	46.95	ug/L	0.00
Spiked Amount	50.000	Range	70 - 125	Recovery	=	93.90%
36) 1,2-Dichloropropane-d6	6.31	67	154535	48.51	ug/L	0.00
Spiked Amount	50.000	Range	70 - 120	Recovery	=	97.02%
41) Toluene-d8	7.54	98	408931	46.91	ug/L	0.00
Spiked Amount	50.000	Range	80 - 120	Recovery	=	93.82%
43) trans-1,3-Dichloropropene-	7.83	79	67698	47.98	ug/L	0.00
Spiked Amount	50.000	Range	60 - 125	Recovery	=	95.96%
47) 2-Hexanone-d5	8.29	63	187414	122.92	ug/L	0.00
Spiked Amount	100.000	Range	45 - 130	Recovery	=	122.92%
57) 1,1,2,2-Tetrachloroethane-	10.41	84	221717	48.73	ug/L	0.00
Spiked Amount	50.000	Range	65 - 120	Recovery	=	97.46%
64) 1,2-Dichlorobenzene-d4	11.84	152	148469	49.38	ug/L	0.00
Spiked Amount	50.000	Range	80 - 120	Recovery	=	98.76%

Target Compounds

					Ovalue
13) Acetone	2.31	43	107032	55.599	ug/L 100
15) Methyl Acetate	2.61	43	4266m	1.388	ug/L
16) Methylene chloride	2.68	84	1940931	1000.381	ug/L 96
22) 2-Butanone	4.25	43	32905	13.160	ug/L 99
42) Toluene	7.62	91	22411	2.869	ug/L 96
52) Ethylbenzene	9.23	91	11272	1.229	ug/L 94
53) m,p-Xylene	9.35	106	11938	3.727	ug/L 90
54) o-xylene	9.76	106	10772	3.188	ug/L 99

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

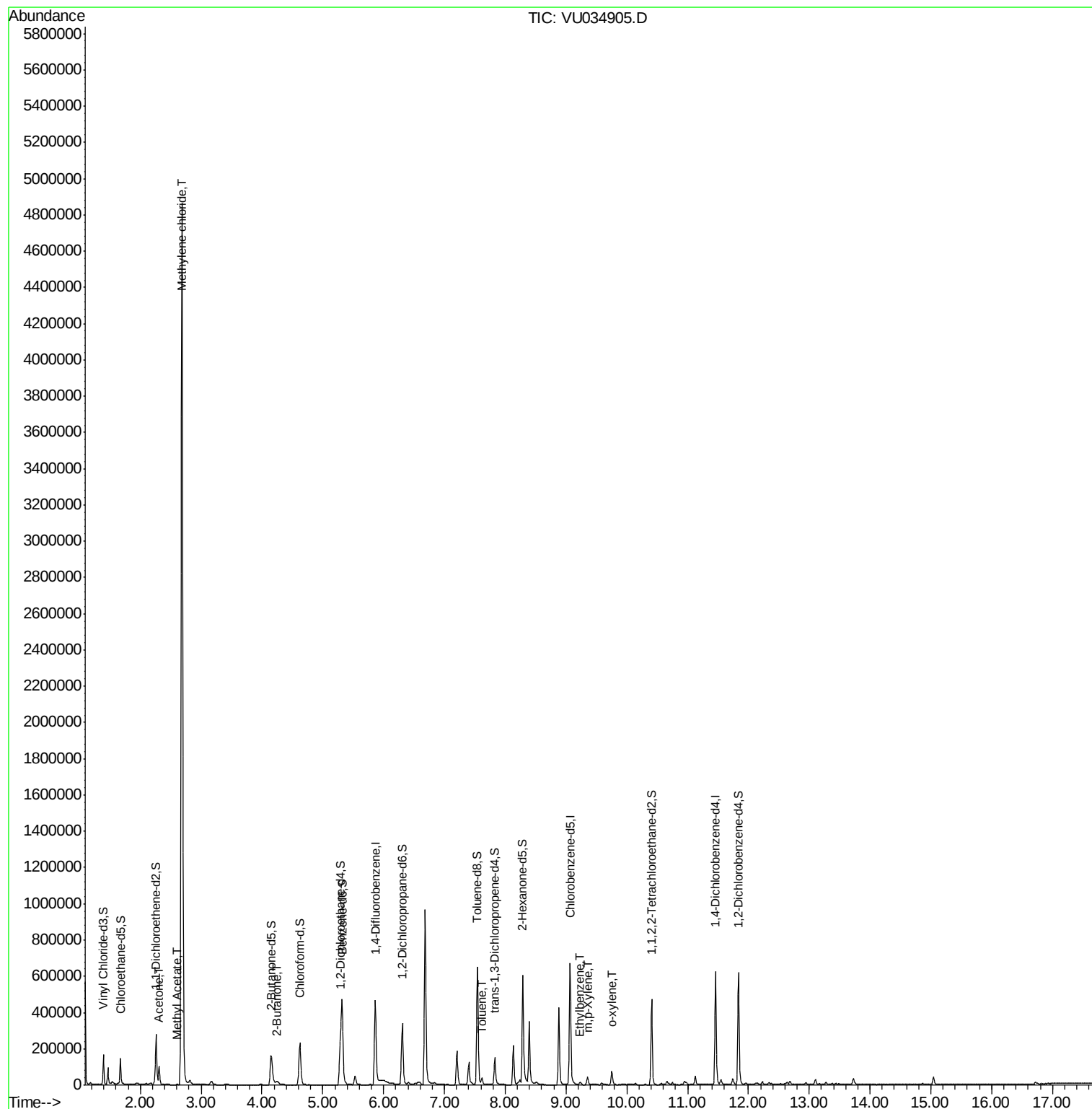
Data Path : Z:\V0ASRV\HPCHEM1\MSVOA U\DATA\VU100219\
Data File : VU034905.D
Acq On : 01 Oct 2019 22:04
Operator : JC/SP
Sample : K5028-03
Misc : 5.0mL/MSVOA U/WATER
ALS Vial : 18 Sample Multiplier: 1

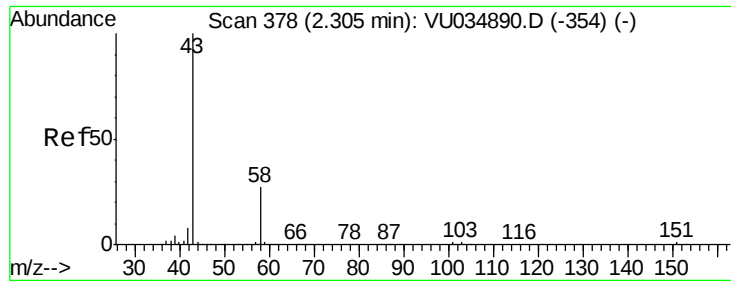
Instrument :
MSVOA_U
ClientSampleId :
BFDK4

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10/4/2019 12:14:14 PM

Quant Time: Oct 02 04:39:42 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: 55.599 ug/L

RT: 2.31 min Scan# 378

Delta R.T. 0.00 min

Lab File: VU034905.D

Acq: 01 Oct 2019 22:04

Instrument :

MSVOA_U

ClientSampled :

BFDK4

Tot Ion: 43 Resp: 107032

Ion Ratio Lower Upper

43 100

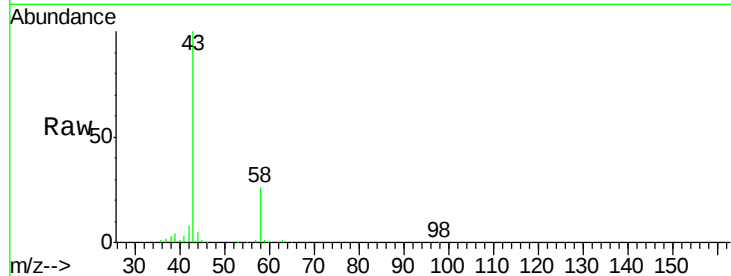
58 26.3 0.0 52.6

Manual Integrations

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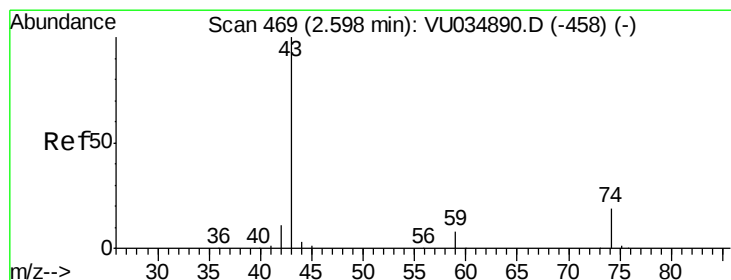
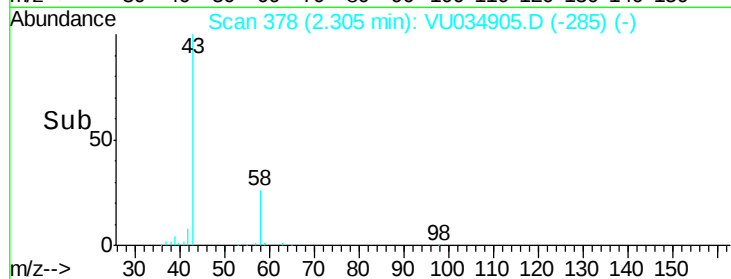
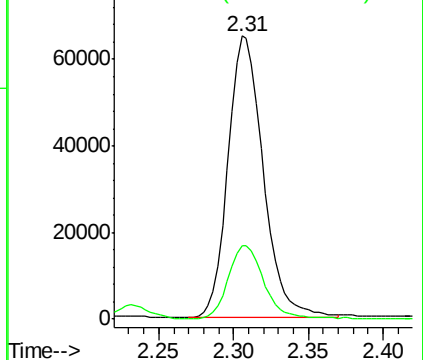
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Abundance Ion 43.00 (42.70 to 43.70): VU034890.D (-354) (-)

Ion 58.00 (57.70 to 58.70): VU034890.D (-354) (-)



#15

Methyl Acetate

Concen: 1.388 ug/L m

RT: 2.61 min Scan# 473

Delta R.T. 0.01 min

Lab File: VU034905.D

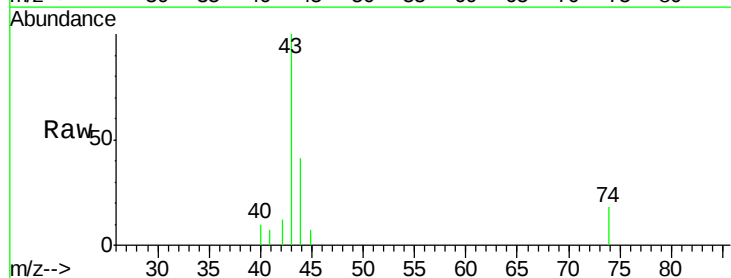
Acq: 01 Oct 2019 22:04

Tgt Ion: 43 Resp: 4266

Ion Ratio Lower Upper

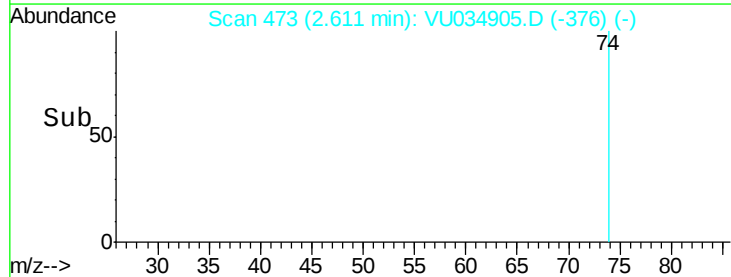
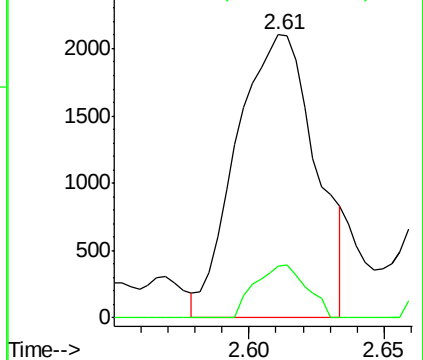
43 100

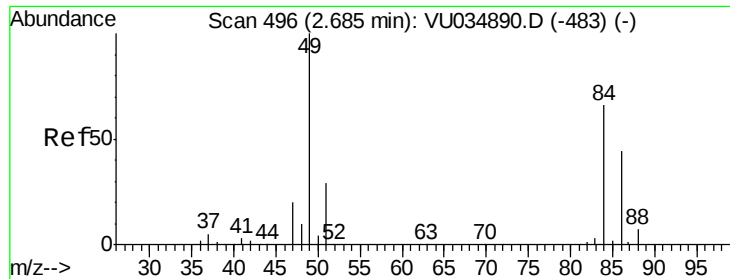
74 44.0 15.3 22.9#



Abundance Ion 43.00 (42.70 to 43.70): VU034890.D (-458) (-)

Ion 74.00 (73.70 to 74.70): VU034890.D (-458) (-)





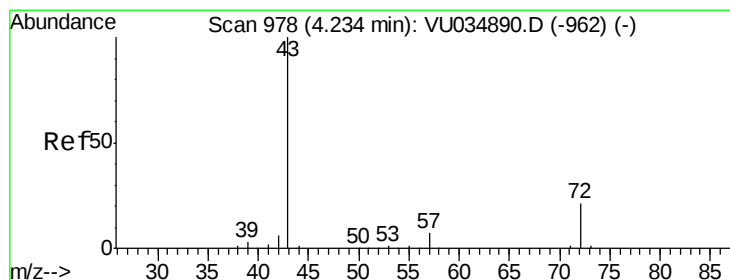
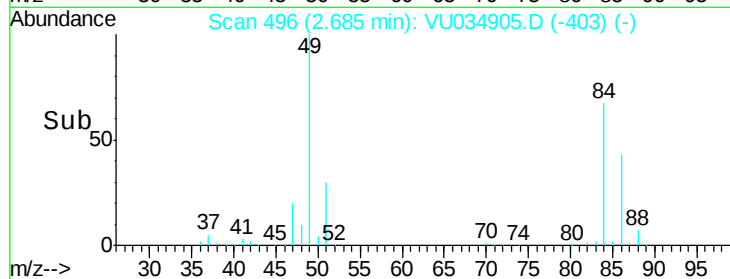
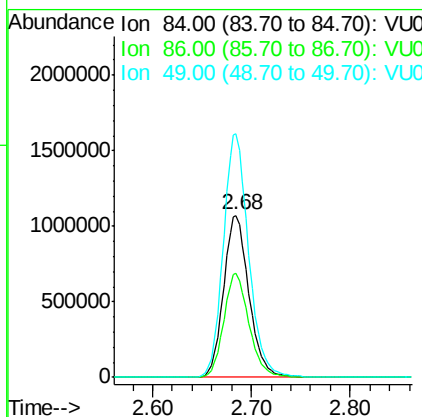
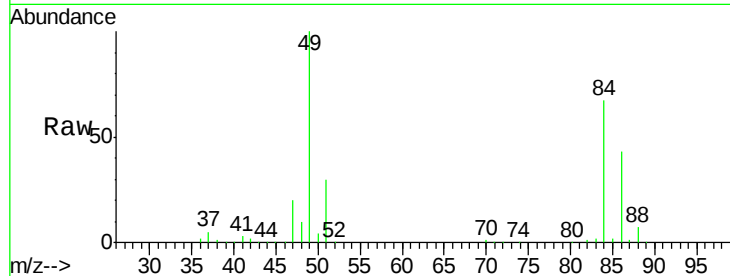
#16
Methvlene chloride
Concen: 1000.381 ug/L
RT: 2.68 min Scan# 496
Delta R.T. 0.00 min
Lab File: VU034905.D
Acq: 01 Oct 2019 22:04

Instrument :
MSVOA_U
ClientSampleId :
BFDK4

Tot Ion: 84 Resp: 1940931
Ion Ratio Lower Upper
84 100
86 64.0 44.7 82.9
49 150.2 100.7 186.9

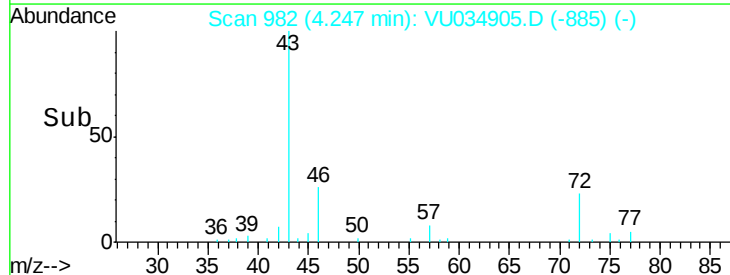
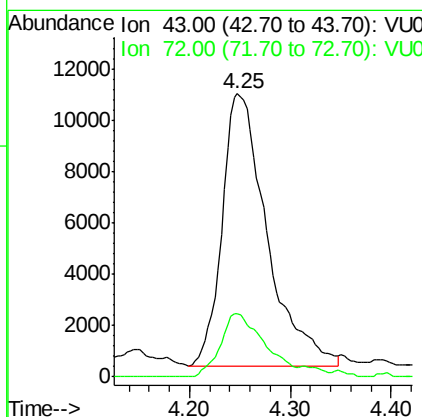
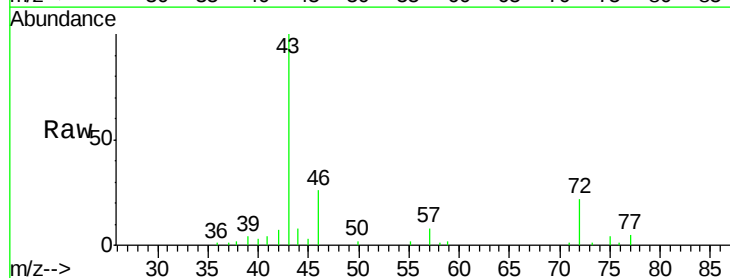
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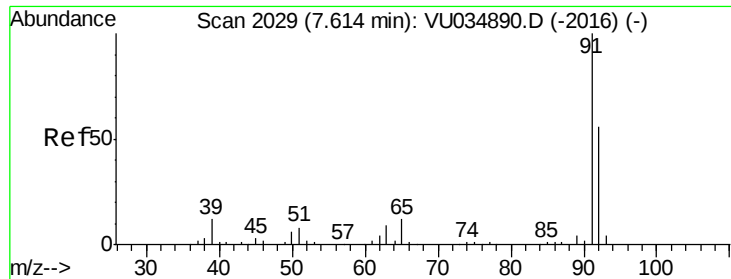
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#22
2-Butanone
Concen: 13.160 ug/L
RT: 4.25 min Scan# 982
Delta R.T. 0.01 min
Lab File: VU034905.D
Acq: 01 Oct 2019 22:04

Tgt Ion: 43 Resp: 32905
Ion Ratio Lower Upper
43 100
72 22.9 11.2 33.6





#42

Toluene

Concen: 2.869 ug/L

RT: 7.62 min Scan# 2030

Delta R.T. 0.00 min

Lab File: VU034905.D

Acq: 01 Oct 2019 22:04

Instrument :

MSVOA_U

ClientSampled :

BFDK4

Tot Ion: 91 Resp: 22411

Ion Ratio Lower Upper

91 100

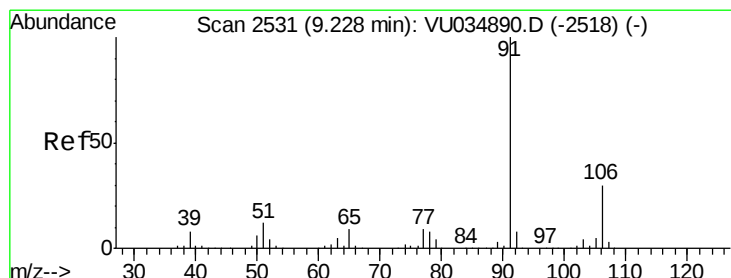
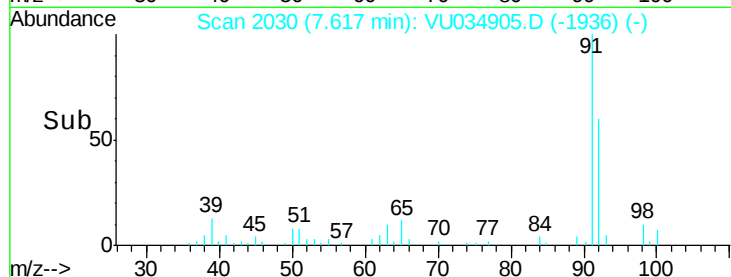
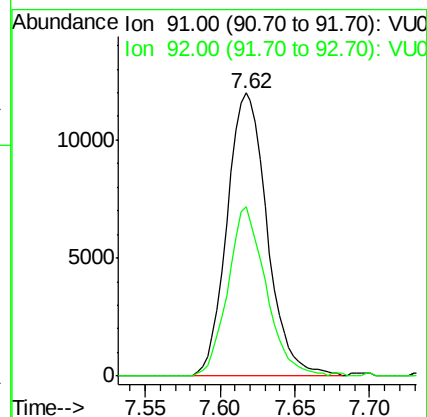
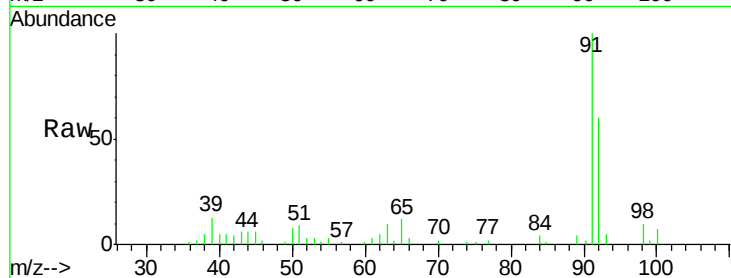
92 59.9 40.0 74.4

Manual Integrations

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#52

Ethylbenzene

Concen: 1.229 ug/L

RT: 9.23 min Scan# 2532

Delta R.T. 0.00 min

Lab File: VU034905.D

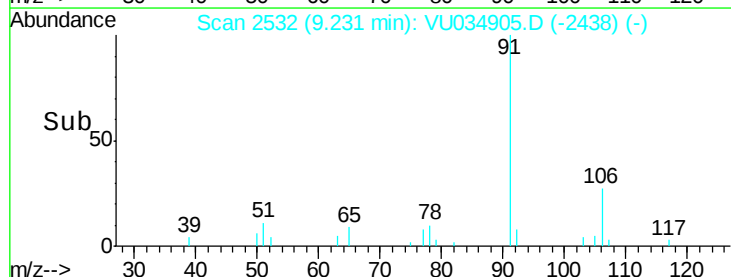
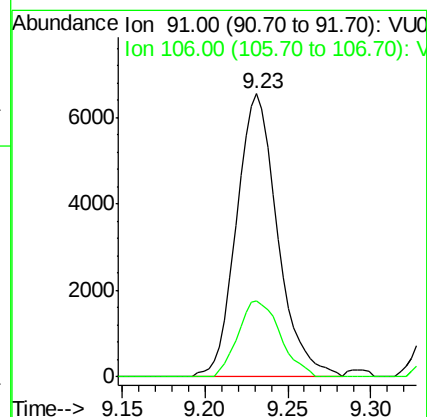
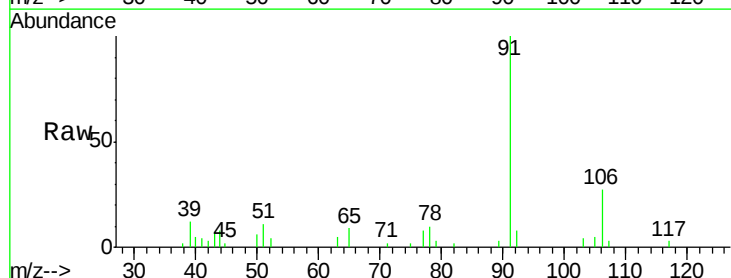
Acq: 01 Oct 2019 22:04

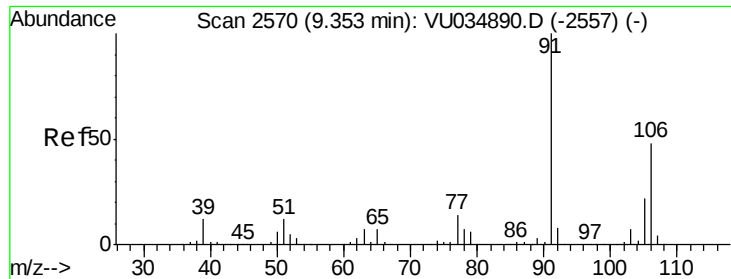
Tgt Ion: 91 Resp: 11272

Ion Ratio Lower Upper

91 100

106 26.7 20.9 38.9





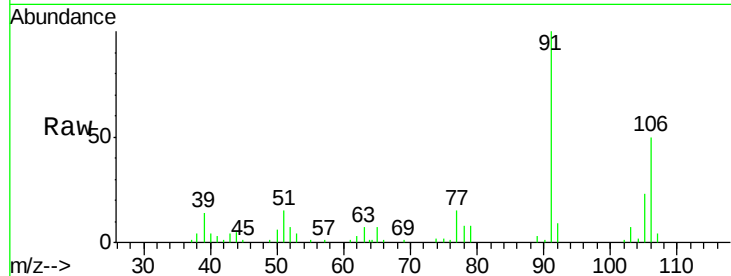
#53
m,p-Xylene
Concen: 3.727 ug/L
RT: 9.35 min Scan# 2570
Delta R.T. 0.00 min
Lab File: VU034905.D
Acq: 01 Oct 2019 22:04

Instrument :
MSVOA_U
ClientSampleId :
BFDK4

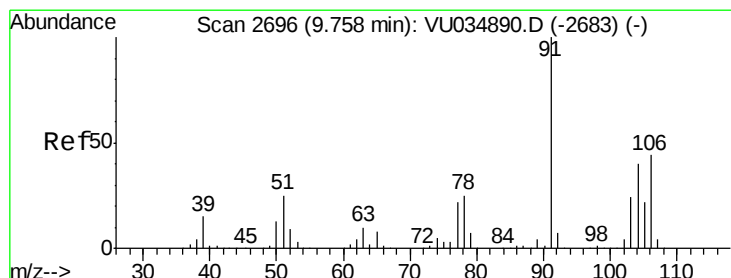
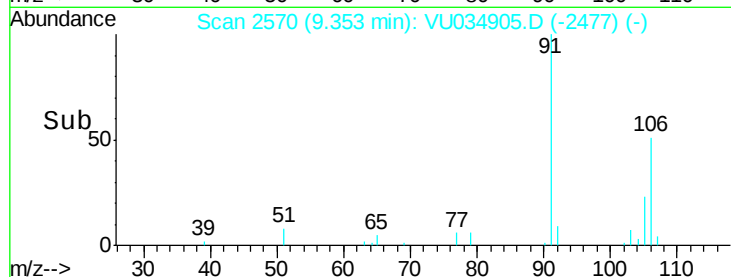
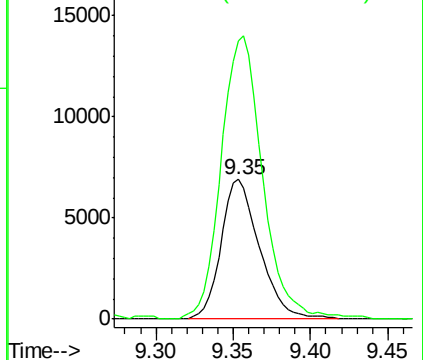
Tot Ion:106 Resp: 11938
Ion Ratio Lower Upper
106 100
91 198.7 150.1 278.9

Manual Integrations
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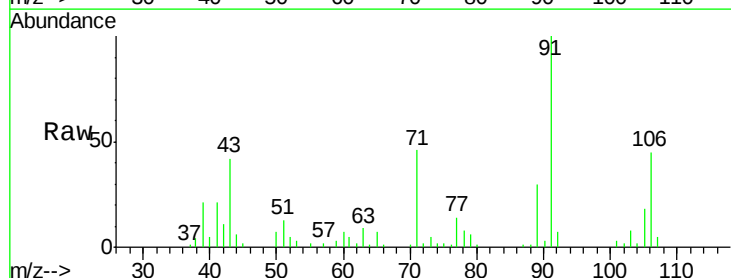


Abundance Ion 106.00 (105.70 to 106.70): V
Ion 91.00 (90.70 to 91.70): VU0



#54
o-xylene
Concen: 3.188 ug/L
RT: 9.76 min Scan# 2696
Delta R.T. 0.00 min
Lab File: VU034905.D
Acq: 01 Oct 2019 22:04

Tgt Ion:106 Resp: 10772
Ion Ratio Lower Upper
106 100
91 224.2 157.8 293.0



Abundance Ion 106.00 (105.70 to 106.70): V
Ion 91.00 (90.70 to 91.70): VU0

