

Data Path : Z:\VOASRV\HPCHEM1\MSVOA U\DATA\U100219\
 Data File : VU034902.D
 Acq On : 01 Oct 2019 20:54
 Operator : JC/SP
 Sample : K5028-10
 Misc : 5.0mL/MSVOA U/WATER
 ALS Vial : 15 Sample Multiplier: 1

Instrument :
 MSVOA_U
 ClientSampleId :
 BFDL0

Manual Integrations
 APPROVED

MMDadoda
 10/4/2019 12:14:03 PM

Quant Time: Oct 02 04:30:01 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	352555	50.00	ug/L	0.00
28) Chlorobenzene-d5	9.07	117	335493	50.00	ug/L	0.00
60) 1,4-Dichlorobenzene-d4	11.46	152	145374	50.00	ug/L	0.00

System Monitoring Compounds

4) Vinyl Chloride-d3	1.39	65	102976	41.67	ug/L	0.00
Spiked Amount	50.000	Range	60 - 135	Recovery	=	83.34%
7) Chloroethane-d5	1.67	69	90298	43.50	ug/L	0.00
Spiked Amount	50.000	Range	70 - 130	Recovery	=	87.00%
11) 1,1-Dichloroethene-d2	2.26	63	158043	35.88	ug/L	0.00
Spiked Amount	50.000	Range	60 - 125	Recovery	=	71.76%
21) 2-Butanone-d5	4.15	46	269365	111.72	ug/L	0.00
Spiked Amount	100.000	Range	40 - 130	Recovery	=	111.72%
24) Chloroform-d	4.62	84	222092	46.32	ug/L	0.00
Spiked Amount	50.000	Range	70 - 125	Recovery	=	92.64%
26) 1,2-Dichloroethane-d4	5.29	65	166987	47.43	ug/L	0.00
Spiked Amount	50.000	Range	70 - 125	Recovery	=	94.86%
32) Benzene-d6	5.32	84	441435	48.34	ug/L	0.00
Spiked Amount	50.000	Range	70 - 125	Recovery	=	96.68%
36) 1,2-Dichloropropane-d6	6.31	67	155422	49.50	ug/L	0.00
Spiked Amount	50.000	Range	70 - 120	Recovery	=	99.00%
41) Toluene-d8	7.54	98	413700	48.14	ug/L	0.00
Spiked Amount	50.000	Range	80 - 120	Recovery	=	96.28%
43) trans-1,3-Dichloropropene-	7.83	79	69431	49.92	ug/L	0.00
Spiked Amount	50.000	Range	60 - 125	Recovery	=	99.84%
47) 2-Hexanone-d5	8.29	63	175864	117.01	ug/L	0.00
Spiked Amount	100.000	Range	45 - 130	Recovery	=	117.01%
57) 1,1,2,2-Tetrachloroethane-	10.41	84	222776	49.67	ug/L	0.00
Spiked Amount	50.000	Range	65 - 120	Recovery	=	99.34%
64) 1,2-Dichlorobenzene-d4	11.84	152	143775	49.71	ug/L	0.00
Spiked Amount	50.000	Range	80 - 120	Recovery	=	99.42%

Target Compounds

					Ovalue
13) Acetone	2.31	43	105563	55.086	ug/L 99
15) Methyl Acetate	2.61	43	4629	1.513	ug/L # 87
16) Methylene chloride	2.68	84	65379	33.851	ug/L 99
22) 2-Butanone	4.25	43	40536m	16.286	ug/L
33) Benzene	5.37	78	8049m	1.125	ug/L
42) Toluene	7.62	91	8676	1.127	ug/L 92
52) Ethylbenzene	9.23	91	13715	1.518	ug/L 94
53) m,p-Xylene	9.36	106	13195	4.179	ug/L 89
54) o-xylene	9.76	106	15911	4.778	ug/L 97
56) Isopropylbenzene	10.14	105	7880	0.847	ug/L 97
65) 1,2-Dichlorobenzene	11.85	146	10222	2.423	ug/L # 87

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

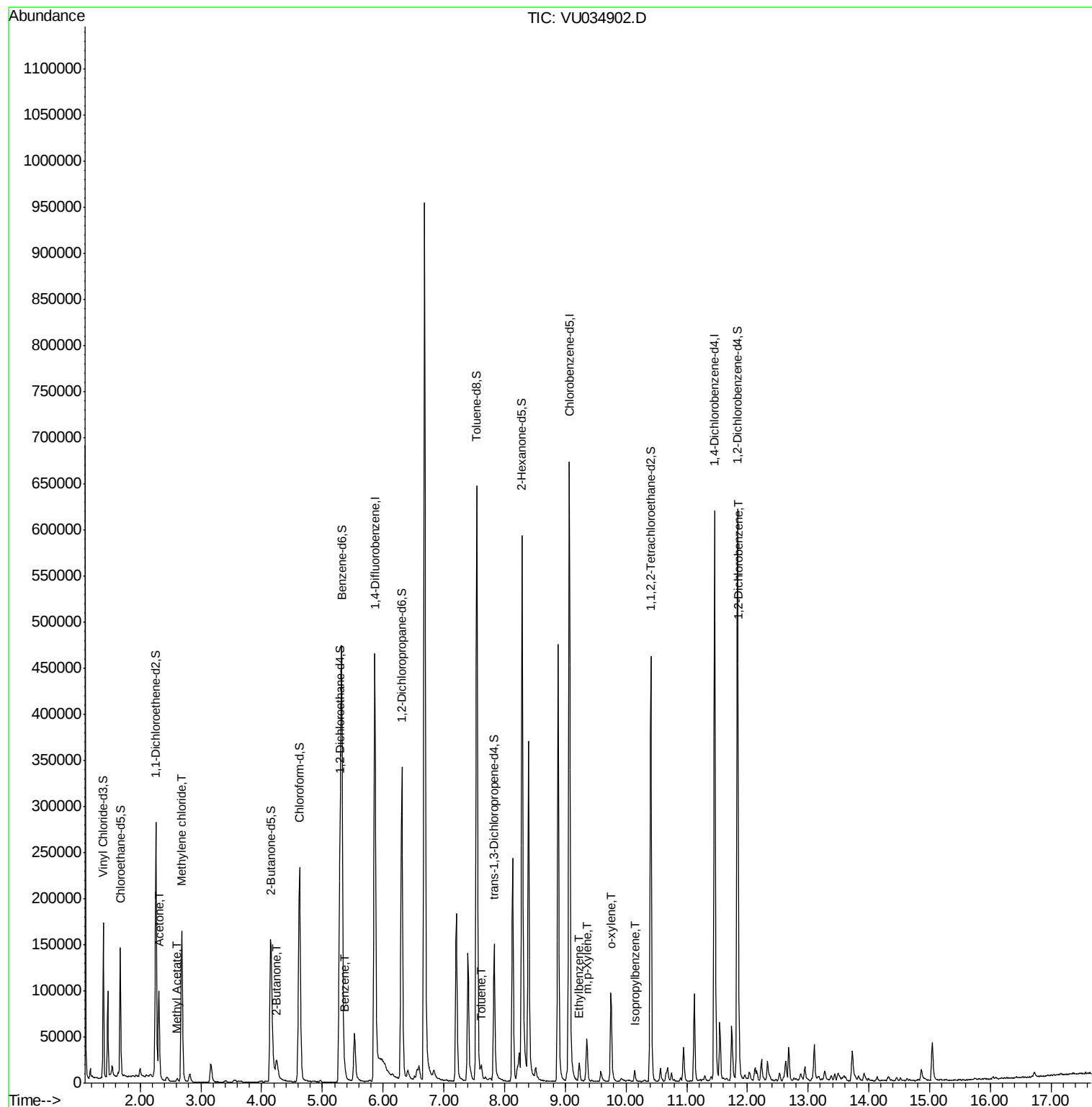
Data Path : Z:\VOASRV\HPCHEM1\MSVOA U\DATA\VU100219\
Data File : VU034902.D
Acq On : 01 Oct 2019 20:54
Operator : JC/SP
Sample : K5028-10
Misc : 5.0mL/MSVOA U/WATER
ALS Vial : 15 Sample Multiplier: 1

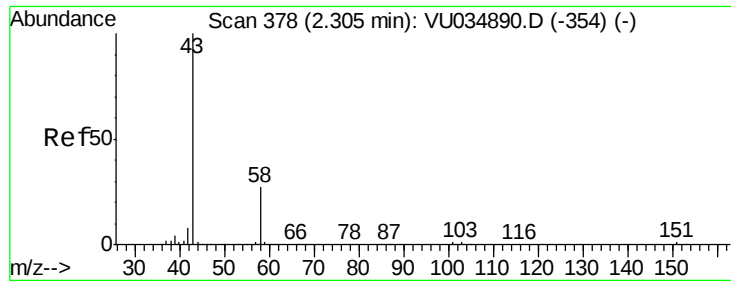
Instrument :
MSVOA_U
ClientSampleId :
BFDL0

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Quant Time: Oct 02 04:30:01 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





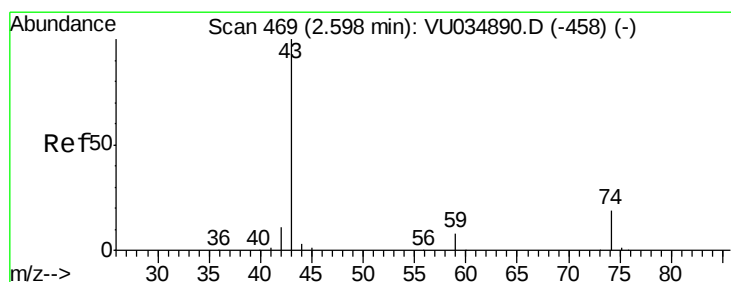
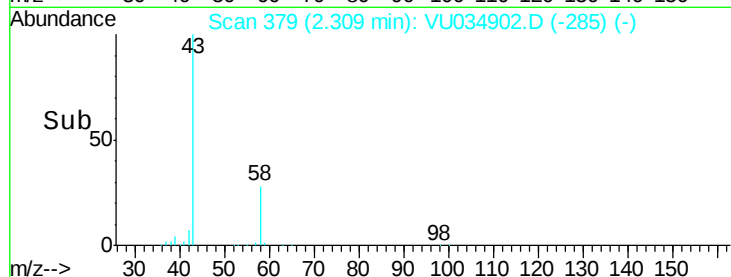
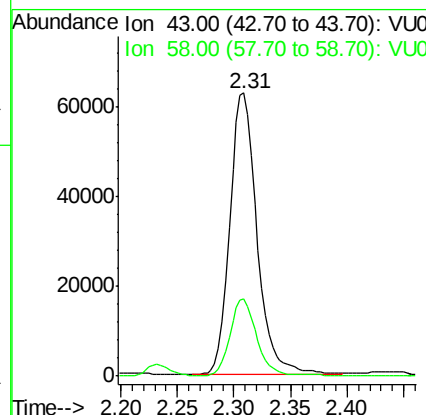
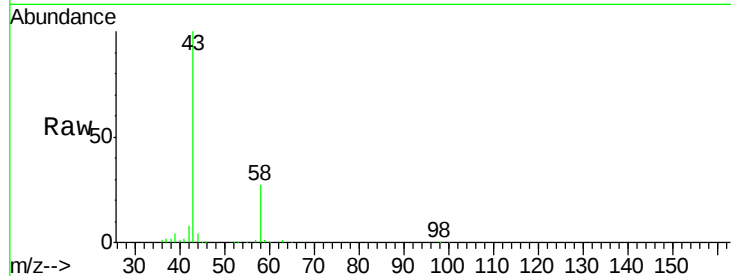
#13
Acetone
Concen: 55.086 ug/L
RT: 2.31 min Scan# 379
Delta R.T. 0.00 min
Lab File: VU034902.D
Acq: 01 Oct 2019 20:54

Instrument :
MSVOA_U
ClientSampleId :
BFDL0

Tot Ion	43	Resp	105563
Ion Ratio	43	100	
Lower	58	27.0	0.0
Upper			52.6

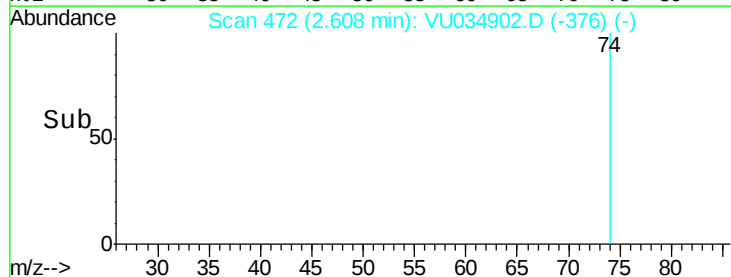
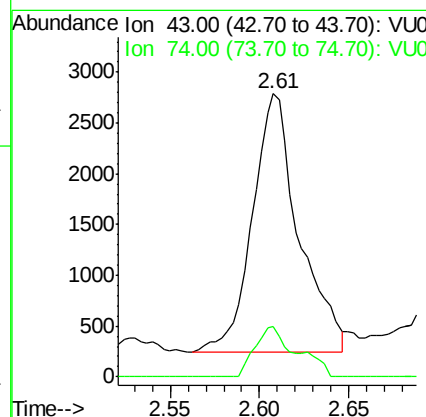
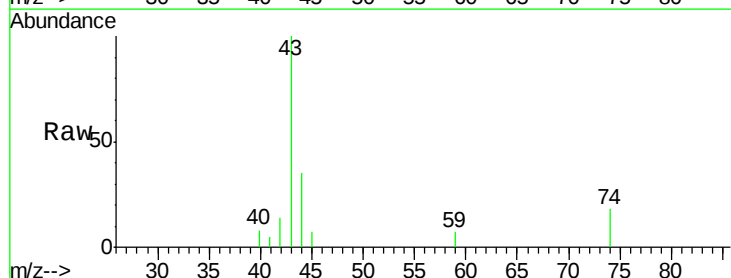
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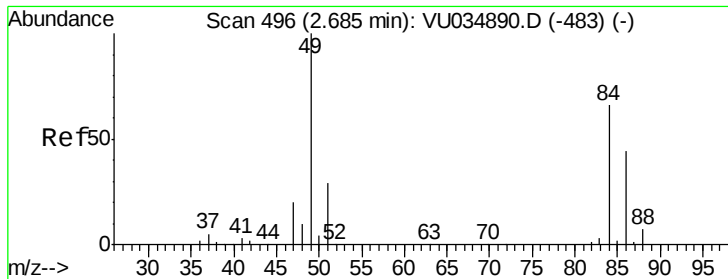
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#15
Methyl Acetate
Concen: 1.513 ug/L
RT: 2.61 min Scan# 472
Delta R.T. 0.01 min
Lab File: VU034902.D
Acq: 01 Oct 2019 20:54

Tgt Ion	43	Resp	4629
Ion Ratio	43	100	
Lower	74	13.3	15.3
Upper			22.9#





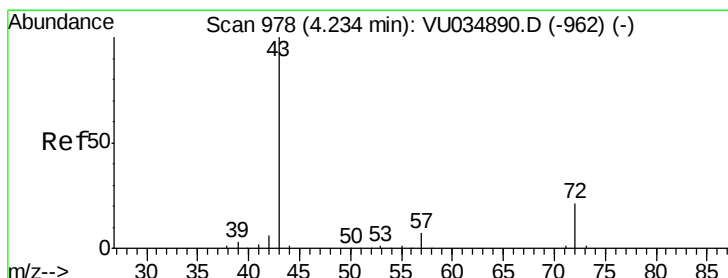
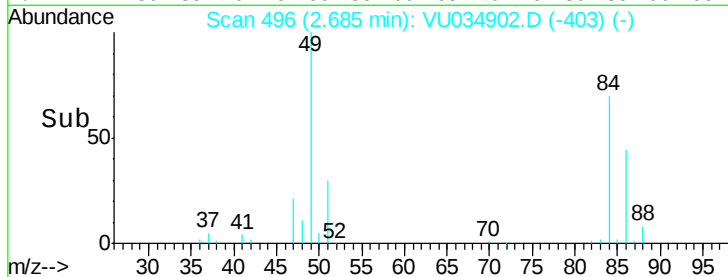
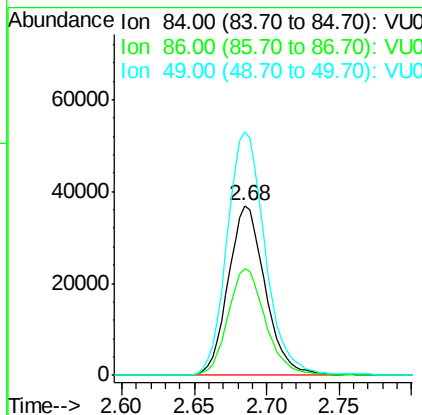
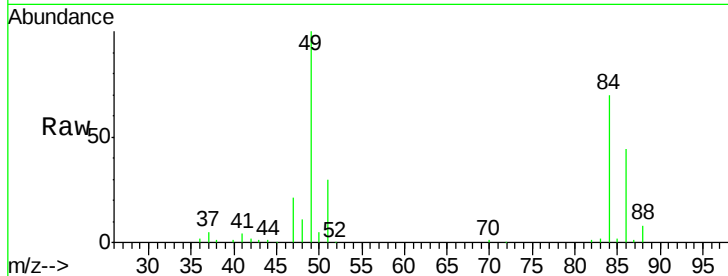
#16
Methvlene chloride
Concen: 33.851 ug/L
RT: 2.68 min Scan# 496
Delta R.T. 0.00 min
Lab File: VU034902.D
Acq: 01 Oct 2019 20:54

Instrument :
MSVOA_U
ClientSampleId :
BFDL0

Tot Ion	84	Resp	65379
Ion Ratio	Lower	Upper	
84	100		
86	62.8	44.7	82.9
49	143.5	100.7	186.9

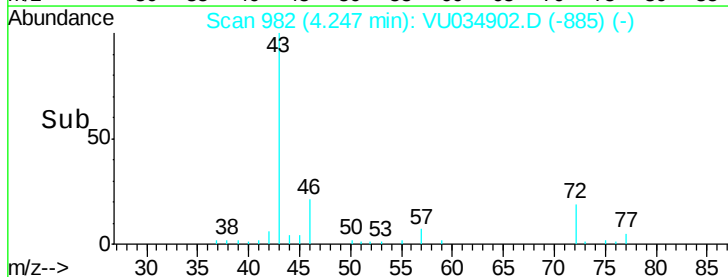
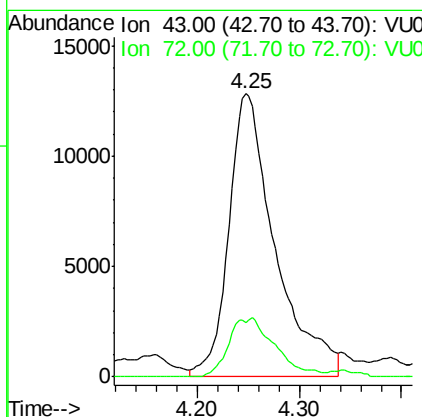
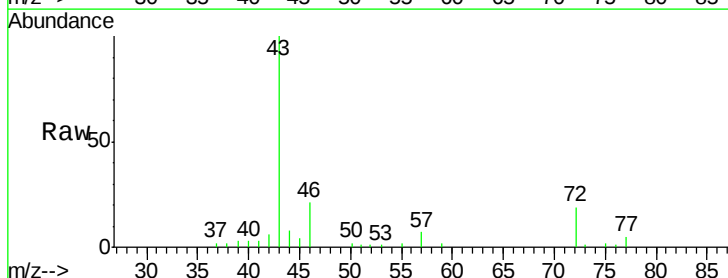
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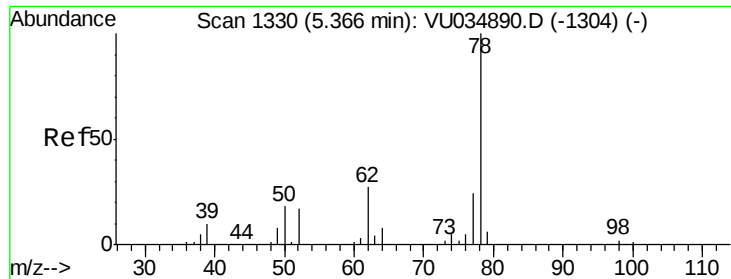
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#22
2-Butanone
Concen: 16.286 ug/L m
RT: 4.25 min Scan# 982
Delta R.T. 0.01 min
Lab File: VU034902.D
Acq: 01 Oct 2019 20:54

Tgt Ion	43	Resp	40536
Ion Ratio	Lower	Upper	
43	100		
72	0.1	11.2	33.6#





#33

Benzene

Concen: 1.125 ug/L m

RT: 5.37 min Scan# 1331

Delta R.T. 0.00 min

Lab File: VU034902.D

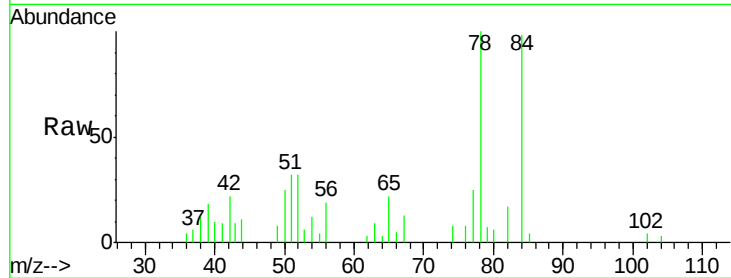
Acq: 01 Oct 2019 20:54

Tgt Ion: 78 Resp: 8049

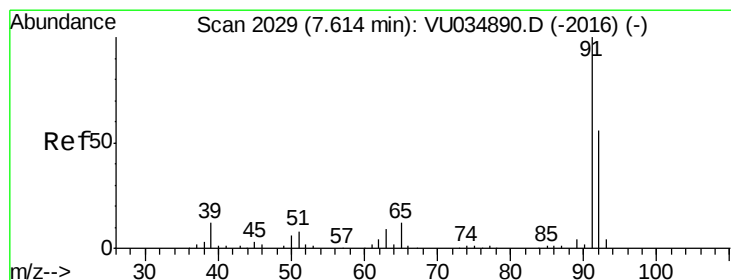
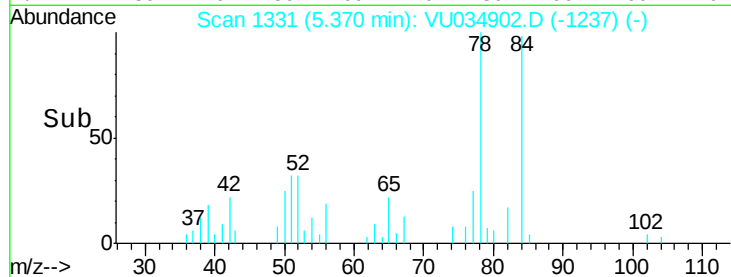
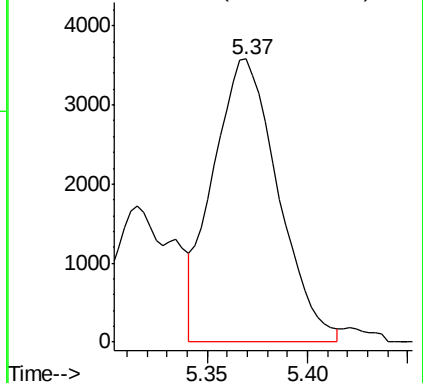
Instrument :
MSVOA_U
ClientSampleId :
BFDL0

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Abundance Ion 78.00 (77.70 to 78.70): VU0



#42

Toluene

Concen: 1.127 ug/L

RT: 7.62 min Scan# 2030

Delta R.T. 0.00 min

Lab File: VU034902.D

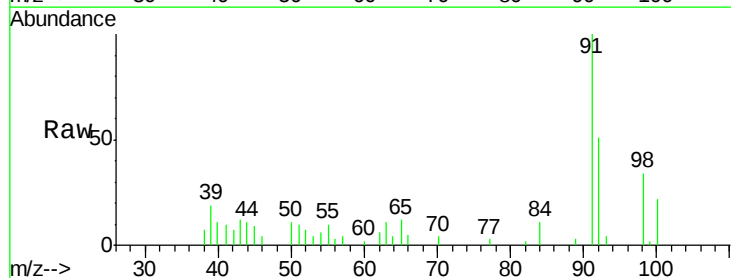
Acq: 01 Oct 2019 20:54

Tgt Ion: 91 Resp: 8676

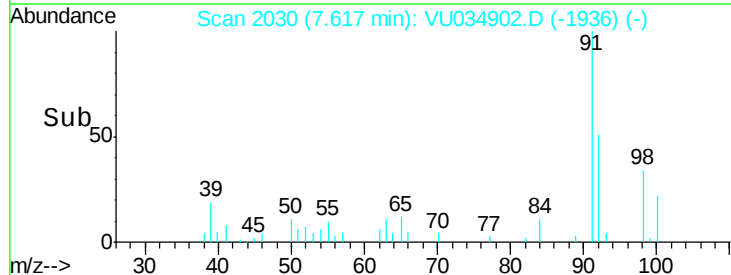
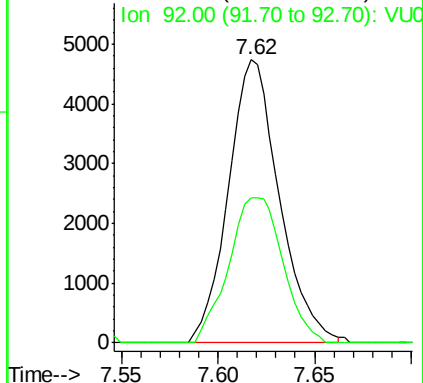
Ion Ratio Lower Upper

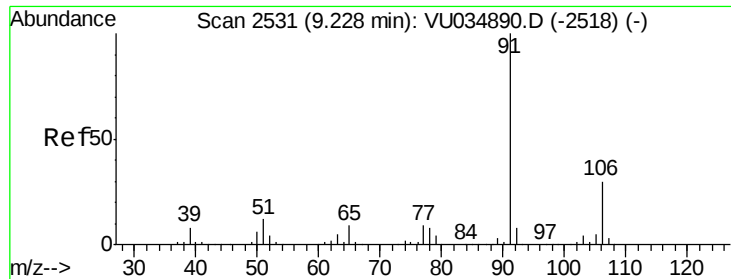
91 100

92 51.2 40.0 74.4



Abundance Ion 91.00 (90.70 to 91.70): VU0





#52

Ethylbenzene

Concen: 1.518 ug/L

RT: 9.23 min Scan# 2532

Delta R.T. 0.00 min

Lab File: VU034902.D

Acq: 01 Oct 2019 20:54

Tot Ion: 91 Resp: 13715

Ion Ratio Lower Upper

91 100

106 33.3 20.9 38.9

Instrument :

MSVOA_U

ClientSampled :

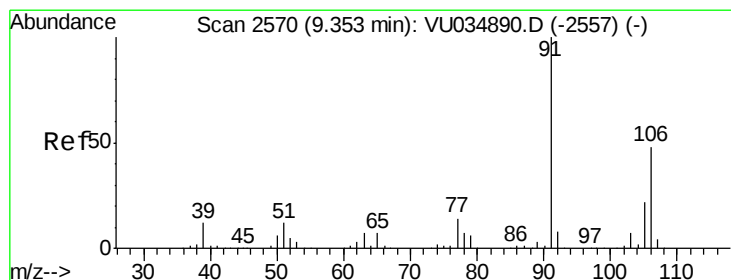
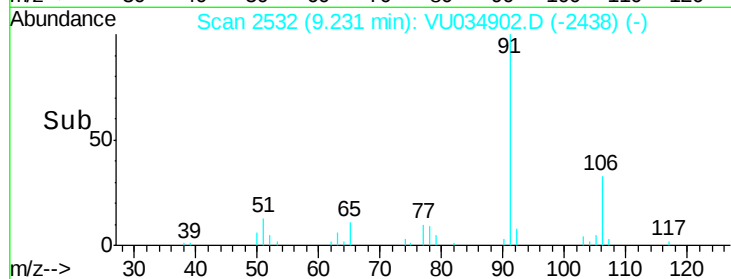
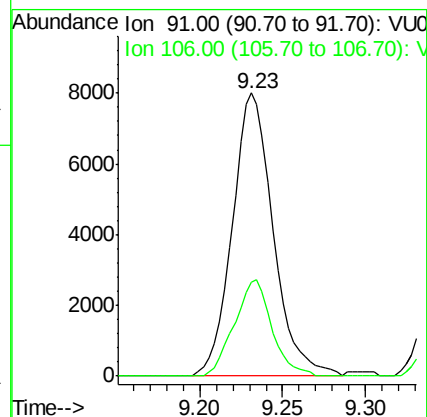
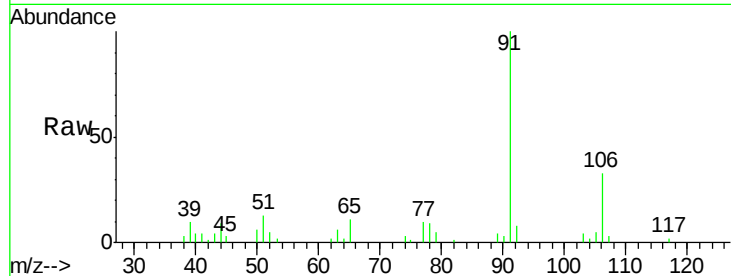
BFDL0

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#53

m,p-Xylene

Concen: 4.179 ug/L

RT: 9.36 min Scan# 2571

Delta R.T. 0.00 min

Lab File: VU034902.D

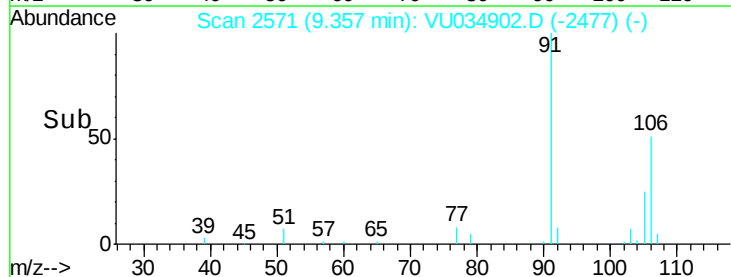
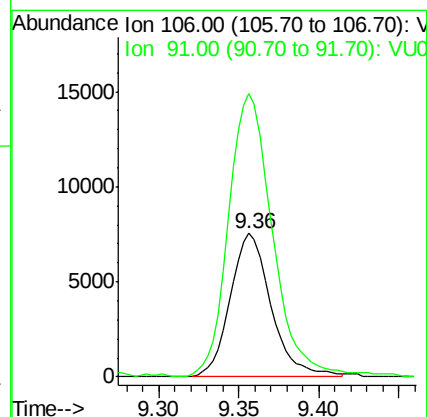
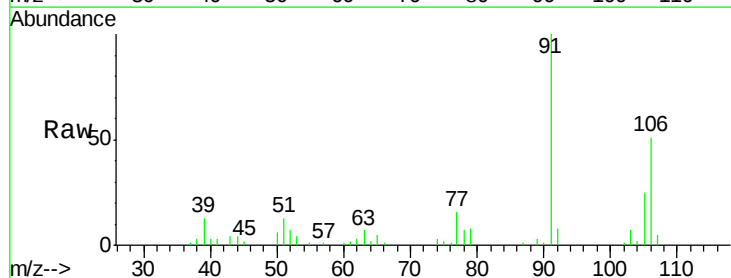
Acq: 01 Oct 2019 20:54

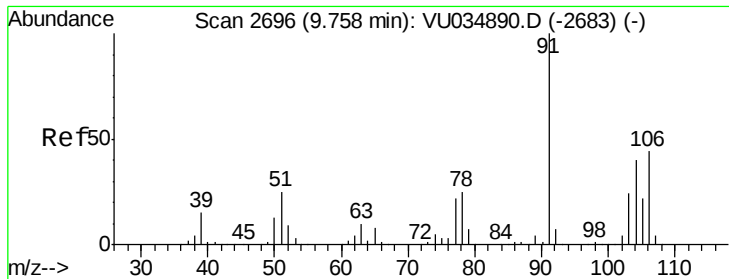
Tgt Ion: 106 Resp: 13195

Ion Ratio Lower Upper

106 100

91 197.4 150.1 278.9





#54

o-xylene

Concen: 4.778 ug/L

RT: 9.76 min Scan# 2696

Delta R.T. 0.00 min

Lab File: VU034902.D

Acq: 01 Oct 2019 20:54

Instrument :

MSVOA_U

ClientSampleID :

BFDL0

Tot Ion:106 Resp: 15911

Ion Ratio Lower Upper

106 100

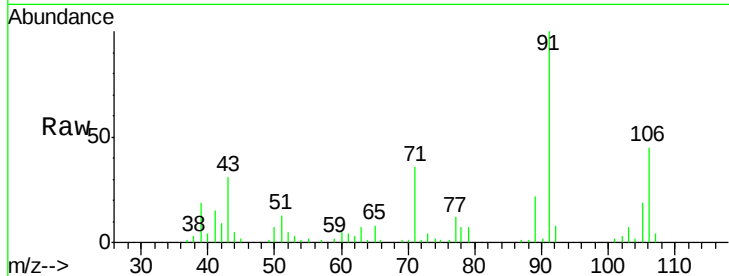
91 220.4 157.8 293.0

Manual Integrations

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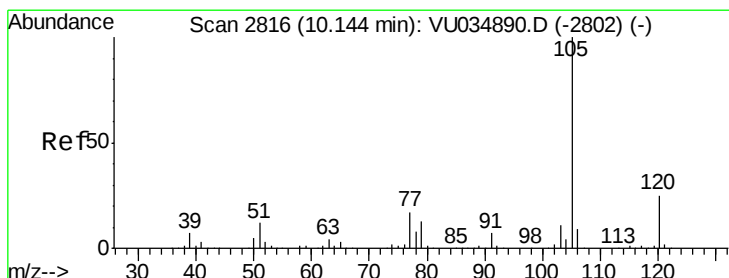
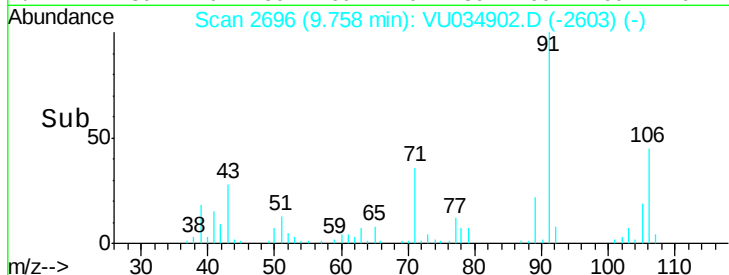
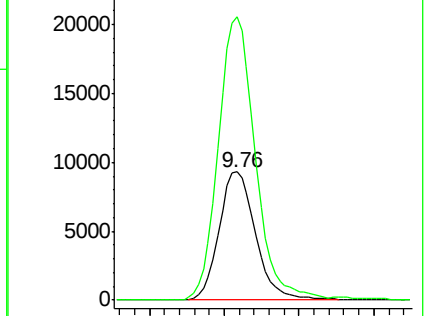
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Abundance Ion 106.00 (105.70 to 106.70): V

Ion 91.00 (90.70 to 91.70): VU0



#56

Isopropylbenzene

Concen: 0.847 ug/L

RT: 10.14 min Scan# 2816

Delta R.T. 0.00 min

Lab File: VU034902.D

Acq: 01 Oct 2019 20:54

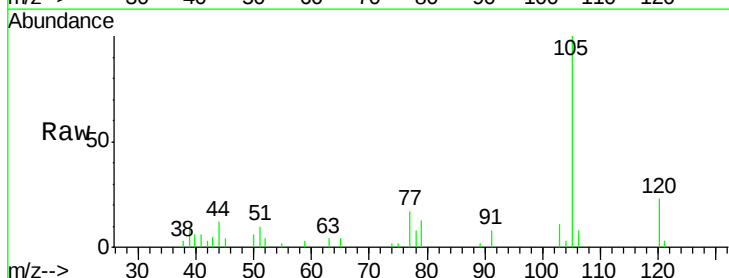
Tgt Ion:105 Resp: 7880

Ion Ratio Lower Upper

105 100

120 22.7 20.2 30.4

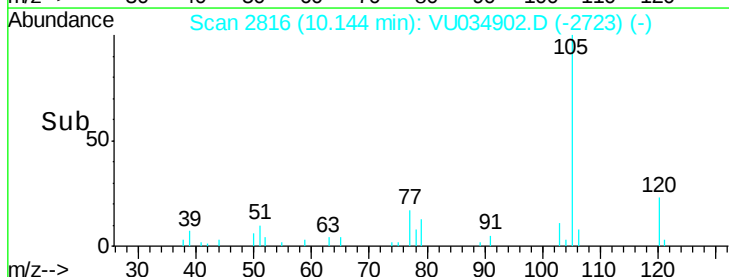
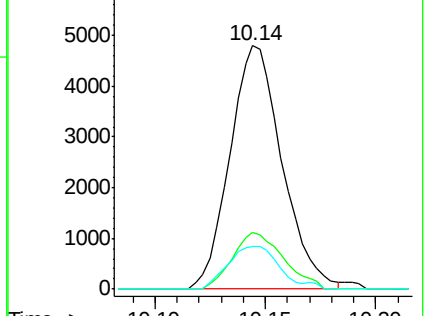
77 16.9 13.7 20.5

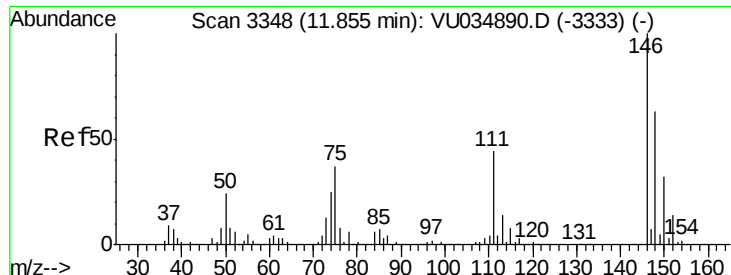


Abundance Ion 105.00 (104.70 to 105.70): V

Ion 120.00 (119.70 to 120.70): V

Ion 77.00 (76.70 to 77.70): VU0





#65
 1,2-Dichlorobenzene
 Concen: 2.423 ug/L
 RT: 11.85 min Scan# 3348
 Delta R.T. 0.00 min
 Lab File: VU034902.D
 Acq: 01 Oct 2019 20:54

Instrument :
 MSVOA_U
 ClientSampleId :
 BFDL0

Tot Ion	Ratio	Lower	Upper
146	100		
111	55.5	34.9	52.3#
148	69.1	50.0	75.0

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