

Data Path : Z:\VOASRV\HPCHEM1\MSVOA U\DATA\VU100219\
 Data File : VU034907.D
 Acq On : 01 Oct 2019 22:51
 Operator : JC/SP
 Sample : K5028-12
 Misc : 5.0mL/MSVOA U/WATER
 ALS Vial : 20 Sample Multiplier: 1

Instrument :
 MSVOA_U
 ClientSampleId :
 BFDL7

Quant Time: Oct 02 04:56:15 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	336939	50.00	ug/L	0.00
28) Chlorobenzene-d5	9.07	117	324165	50.00	ug/L	0.00
60) 1,4-Dichlorobenzene-d4	11.46	152	140074	50.00	ug/L	0.00

System Monitoring Compounds

4) Vinyl Chloride-d3	1.39	65	96918	41.04	ug/L	0.00
Spiked Amount	50.000	Range	60 - 135	Recovery	=	82.08%
7) Chloroethane-d5	1.67	69	89535	45.13	ug/L	0.00
Spiked Amount	50.000	Range	70 - 130	Recovery	=	90.26%
11) 1,1-Dichloroethene-d2	2.26	63	152558	36.24	ug/L	0.00
Spiked Amount	50.000	Range	60 - 125	Recovery	=	72.48%
21) 2-Butanone-d5	4.15	46	275956	119.76	ug/L	0.00
Spiked Amount	100.000	Range	40 - 130	Recovery	=	119.76%
24) Chloroform-d	4.62	84	221967	48.44	ug/L	0.00
Spiked Amount	50.000	Range	70 - 125	Recovery	=	96.88%
26) 1,2-Dichloroethane-d4	5.29	65	165485	49.18	ug/L	0.00
Spiked Amount	50.000	Range	70 - 125	Recovery	=	98.36%
32) Benzene-d6	5.32	84	429093	48.63	ug/L	0.00
Spiked Amount	50.000	Range	70 - 125	Recovery	=	97.26%
36) 1,2-Dichloropropane-d6	6.31	67	154000	50.76	ug/L	0.00
Spiked Amount	50.000	Range	70 - 120	Recovery	=	101.52%
41) Toluene-d8	7.54	98	392468	47.27	ug/L	0.00
Spiked Amount	50.000	Range	80 - 120	Recovery	=	94.54%
43) trans-1,3-Dichloropropene-	7.83	79	67391	50.15	ug/L	0.00
Spiked Amount	50.000	Range	60 - 125	Recovery	=	100.30%
47) 2-Hexanone-d5	8.29	63	185022	127.41	ug/L	0.00
Spiked Amount	100.000	Range	45 - 130	Recovery	=	127.41%
57) 1,1,2,2-Tetrachloroethane-	10.41	84	221647	51.15	ug/L	0.00
Spiked Amount	50.000	Range	65 - 120	Recovery	=	102.30%
64) 1,2-Dichlorobenzene-d4	11.84	152	141143	50.64	ug/L	0.00
Spiked Amount	50.000	Range	80 - 120	Recovery	=	101.28%

Target Compounds

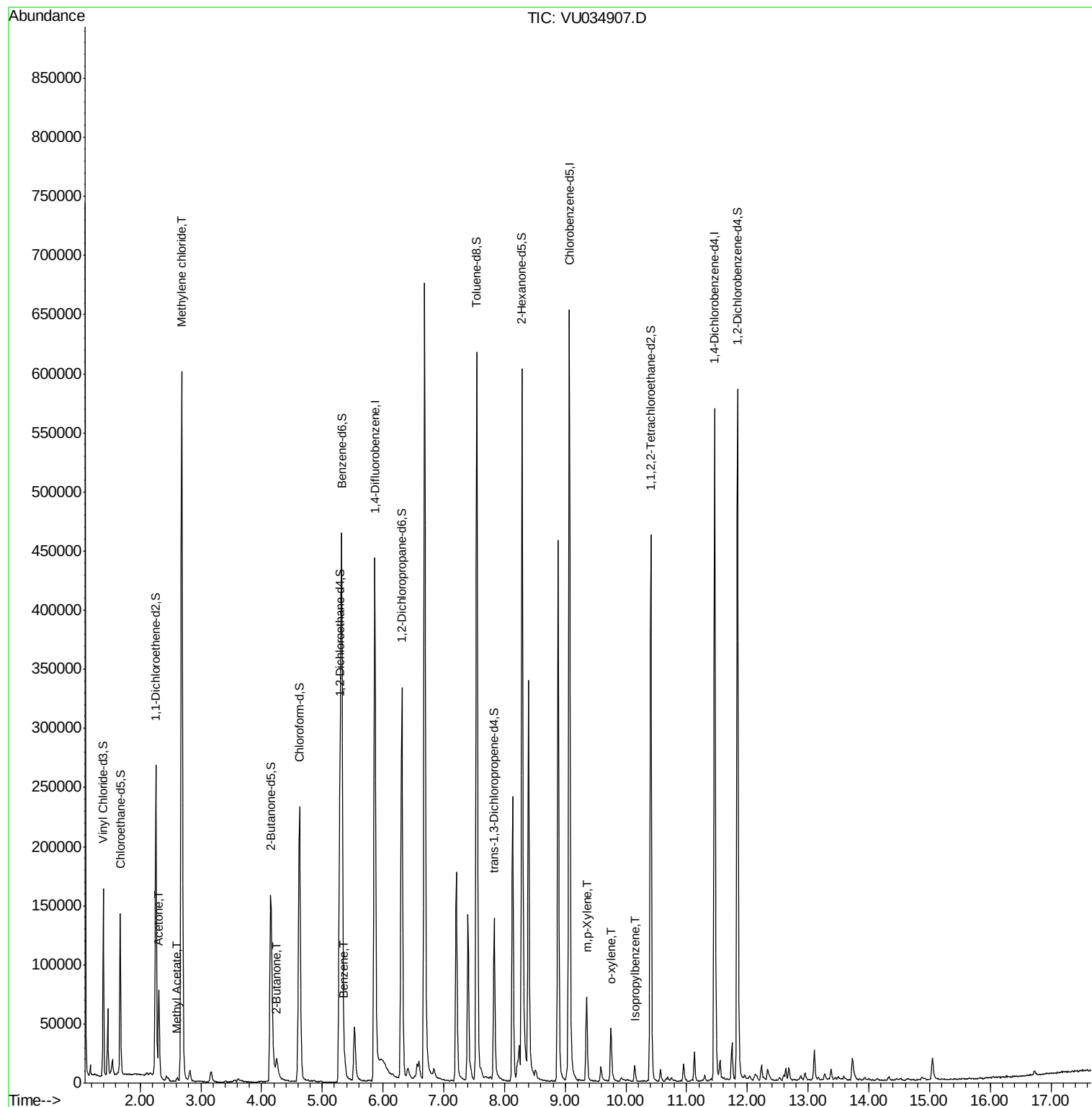
					Ovalue
13) Acetone	2.31	43	79588	43.456 ug/L	96
15) Methyl Acetate	2.61	43	3562	1.218 ug/L	93
16) Methylene chloride	2.68	84	243290	131.804 ug/L	98
22) 2-Butanone	4.25	43	26095	10.970 ug/L	95
33) Benzene	5.37	78	10639	1.539 ug/L	100
53) m,p-Xylene	9.35	106	19091	6.257 ug/L	99
54) o-xylene	9.76	106	3673	1.141 ug/L	96
56) Isopropylbenzene	10.14	105	9257	1.030 ug/L	98

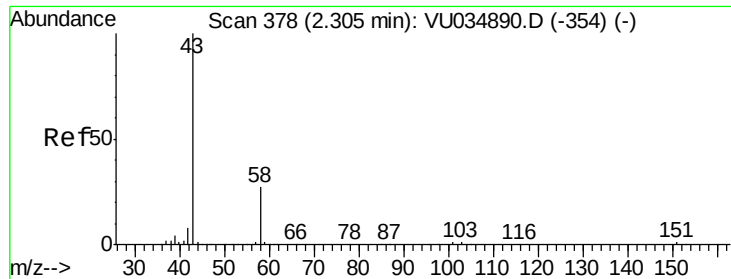
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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#13

Acetone

Concen: 43.456 ug/L

RT: 2.31 min Scan# 378

Delta R.T. 0.00 min

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Acq: 01 Oct 2019 22:51

Instrument :

MSVOA_U

ClientSampled :

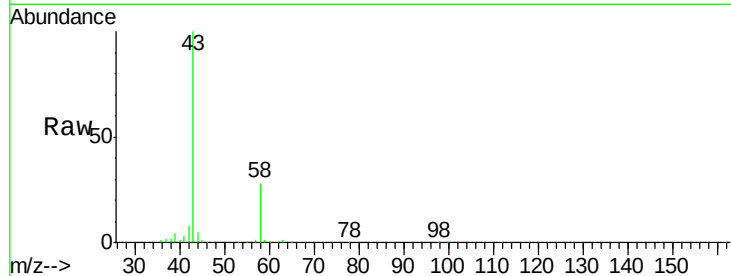
BFDL7

Tot Ion: 43 Resp: 79588

Ion Ratio Lower Upper

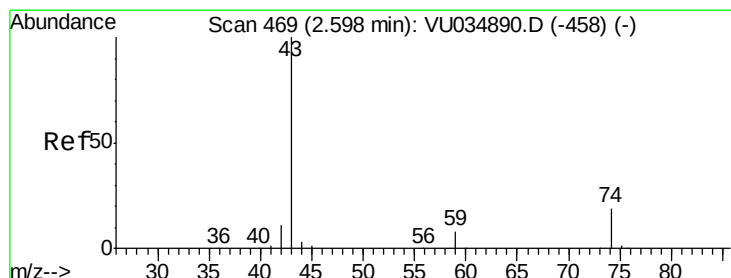
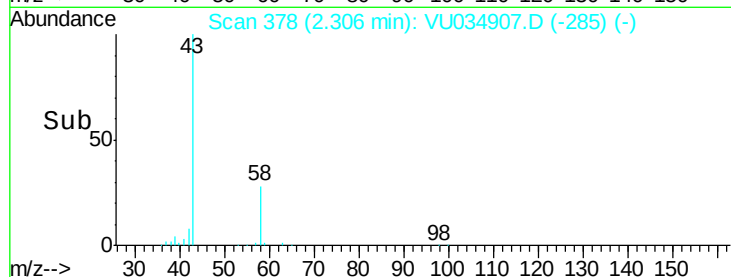
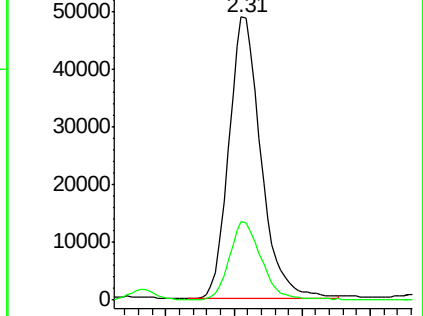
43 100

58 28.2 0.0 52.6



Abundance Ion 43.00 (42.70 to 43.70): VU0

Ion 58.00 (57.70 to 58.70): VU0



#15

Methyl Acetate

Concen: 1.218 ug/L

RT: 2.61 min Scan# 472

Delta R.T. 0.01 min

Lab File: VU034907.D

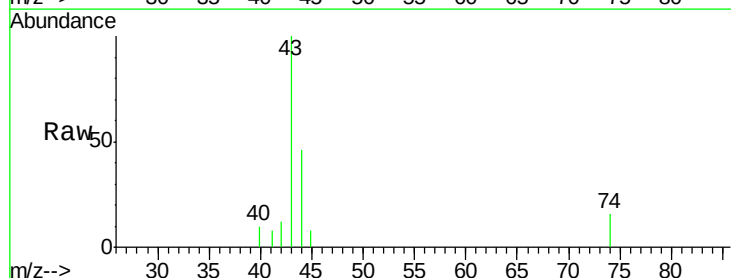
Acq: 01 Oct 2019 22:51

Tgt Ion: 43 Resp: 3562

Ion Ratio Lower Upper

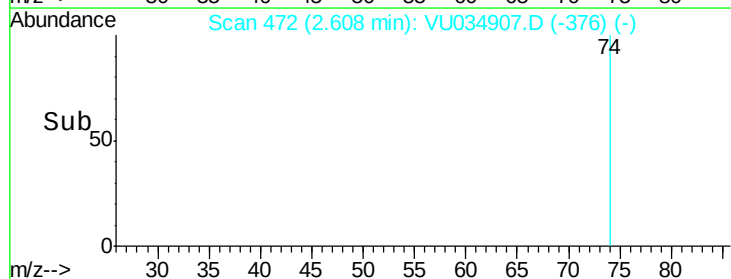
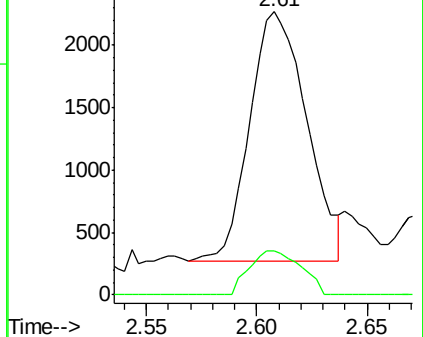
43 100

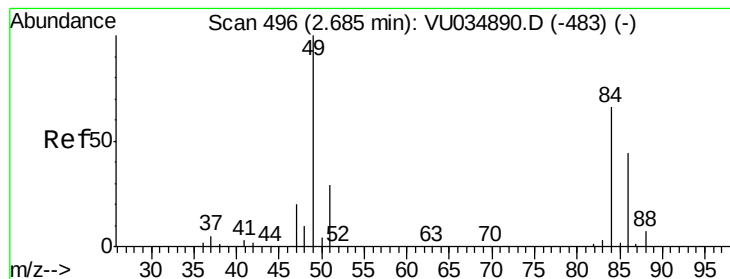
74 16.1 15.3 22.9



Abundance Ion 43.00 (42.70 to 43.70): VU0

Ion 74.00 (73.70 to 74.70): VU0





#16

Methylene chloride

Concen: 131.804 ug/L

RT: 2.68 min Scan# 496

Delta R.T. 0.00 min

Lab File: VU034907.D

Acq: 01 Oct 2019 22:51

Instrument :

MSVOA_U

ClientSampleId :

BFDL7

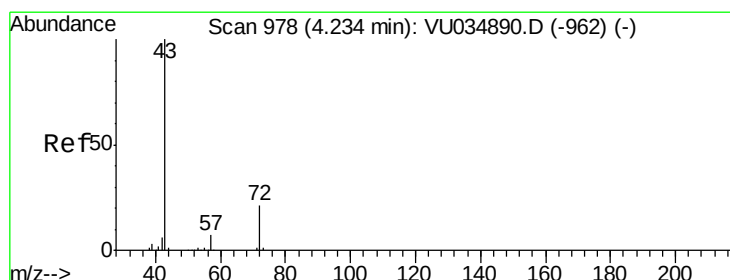
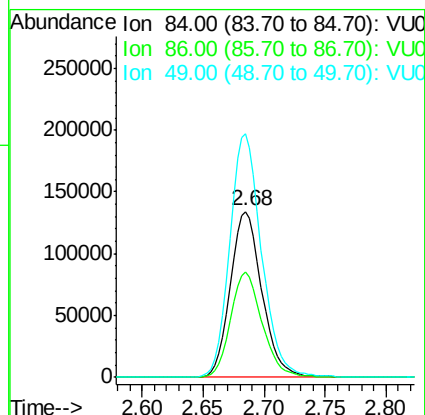
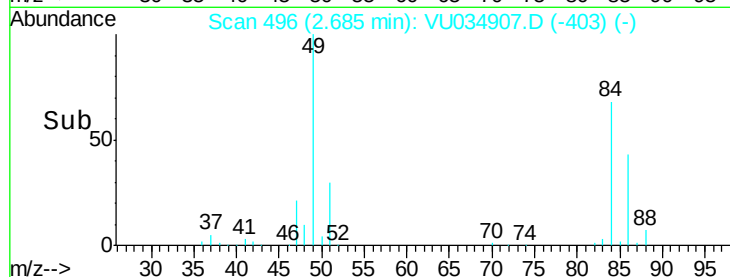
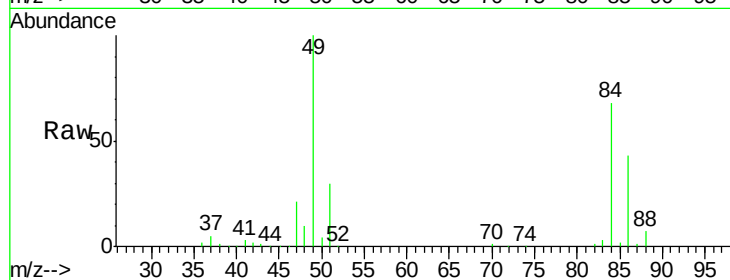
Tot Ion: 84 Resp: 243290

Ion Ratio Lower Upper

84 100

86 63.2 44.7 82.9

49 146.7 100.7 186.9



#22

2-Butanone

Concen: 10.970 ug/L

RT: 4.25 min Scan# 983

Delta R.T. 0.02 min

Lab File: VU034907.D

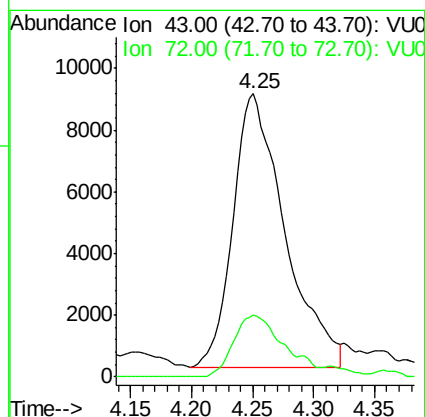
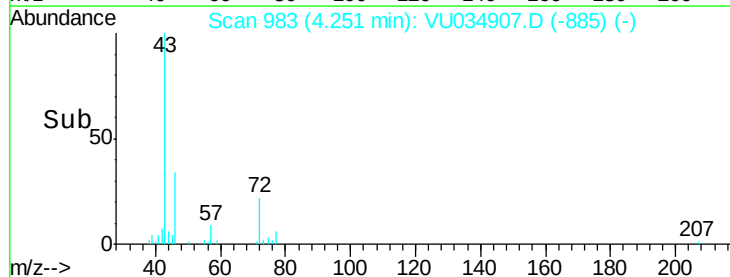
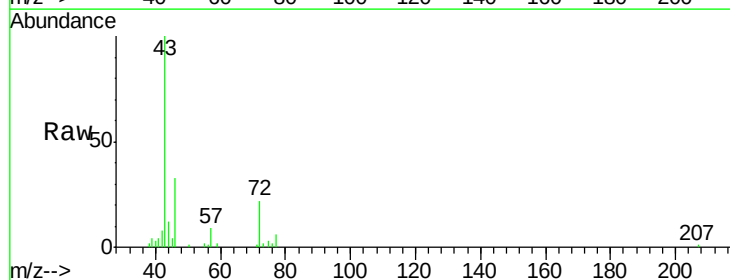
Acq: 01 Oct 2019 22:51

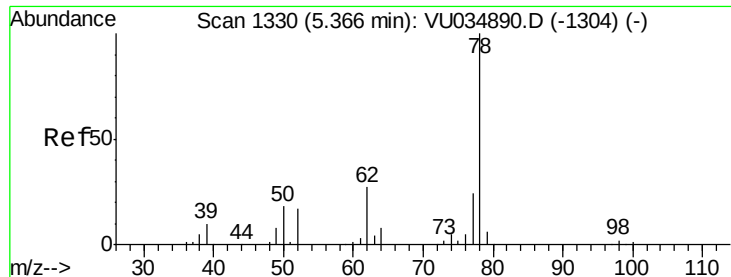
Tgt Ion: 43 Resp: 26095

Ion Ratio Lower Upper

43 100

72 19.8 11.2 33.6





#33

Benzene

Concen: 1.539 ug/L

RT: 5.37 min Scan# 1330

Delta R.T. 0.00 min

Lab File: VU034907.D

Acq: 01 Oct 2019 22:51

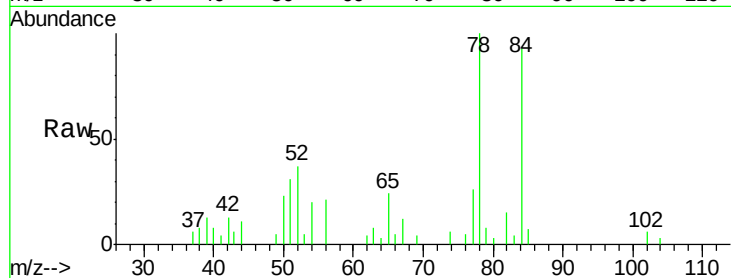
Instrument :

MSVOA_U

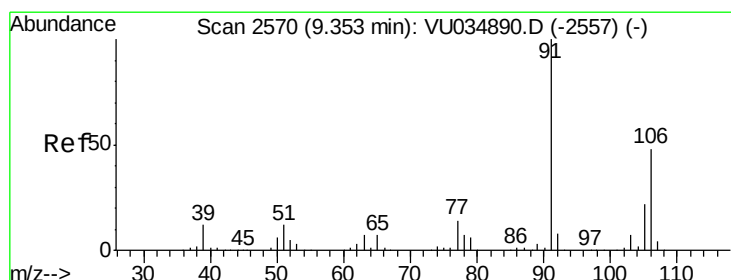
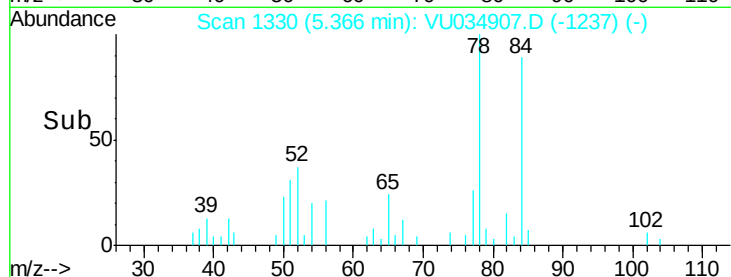
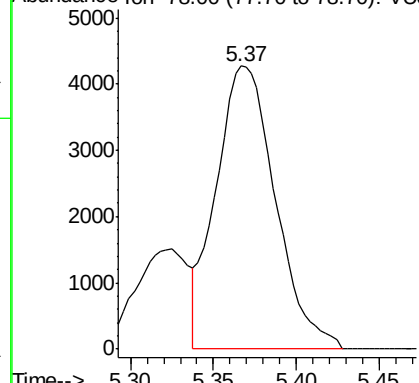
ClientSampleId :

BFDL7

Tgt Ion: 78 Resp: 10639



Abundance Ion 78.00 (77.70 to 78.70): VU0



#53

m,p-Xylene

Concen: 6.257 ug/L

RT: 9.35 min Scan# 2570

Delta R.T. 0.00 min

Lab File: VU034907.D

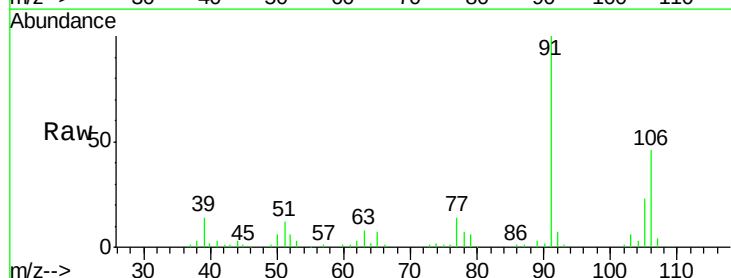
Acq: 01 Oct 2019 22:51

Tgt Ion: 106 Resp: 19091

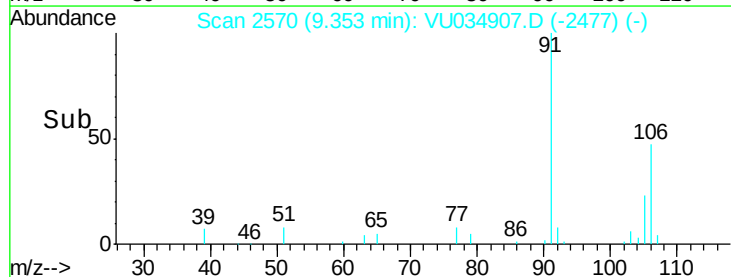
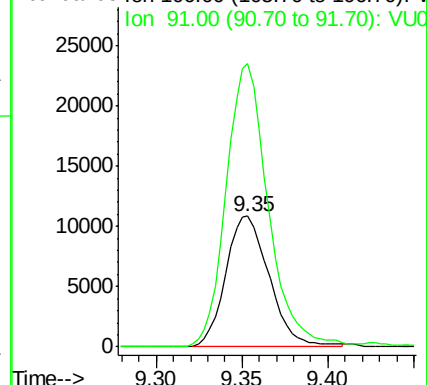
Ion Ratio Lower Upper

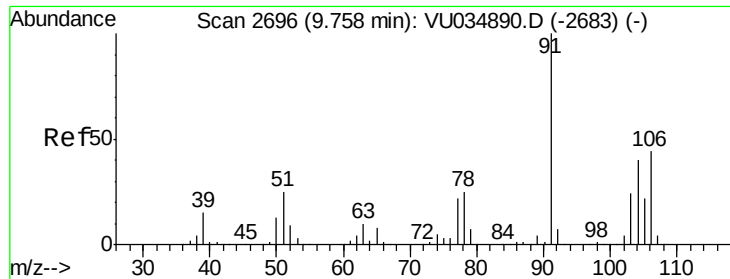
106 100

91 216.9 150.1 278.9



Abundance Ion 106.00 (105.70 to 106.70): V





#54

o-xylene

Concen: 1.141 ug/L

RT: 9.76 min Scan# 2697

Delta R.T. 0.00 min

Lab File: VU034907.D

Acq: 01 Oct 2019 22:51

Instrument :

MSVOA_U

ClientSampleId :

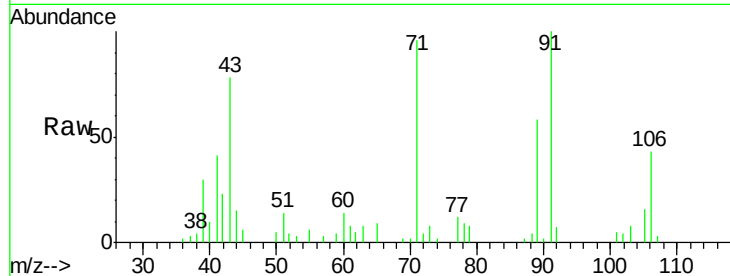
BFDL7

Tot Ion:106 Resp: 3673

Ion Ratio Lower Upper

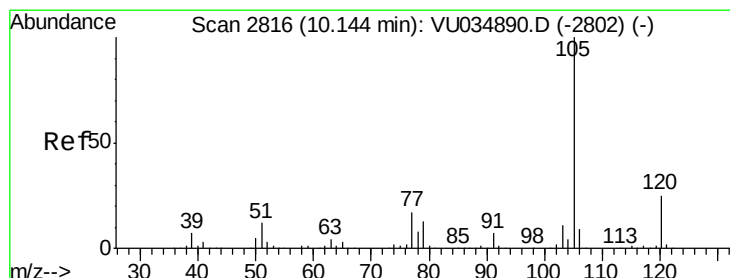
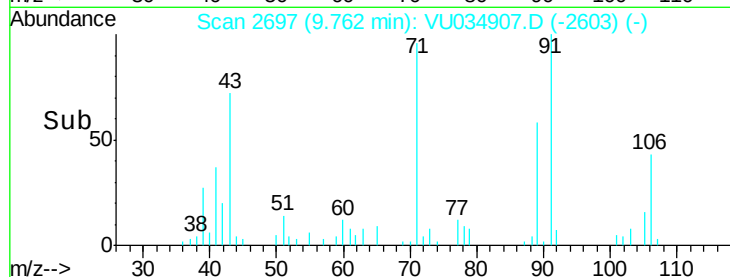
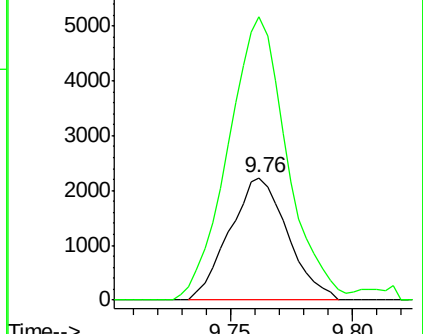
106 100

91 231.7 157.8 293.0



Abundance Ion 106.00 (105.70 to 106.70): V

Ion 91.00 (90.70 to 91.70): VU0



#56

Isopropylbenzene

Concen: 1.030 ug/L

RT: 10.14 min Scan# 2816

Delta R.T. 0.00 min

Lab File: VU034907.D

Acq: 01 Oct 2019 22:51

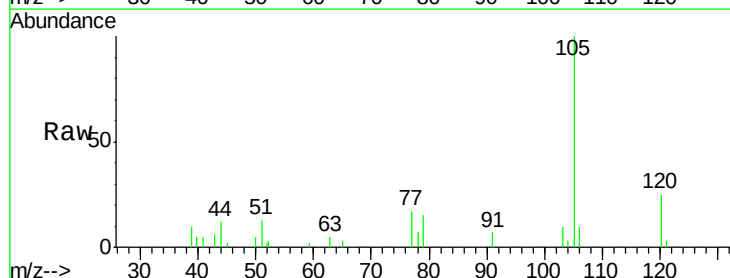
Tgt Ion:105 Resp: 9257

Ion Ratio Lower Upper

105 100

120 26.0 20.2 30.4

77 18.7 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

