

Data Path : Z:\VOASRV\HPCHEM1\MSVOA U\DATA\U100219\
 Data File : VU034899.D
 Acq On : 01 Oct 2019 19:44
 Operator : JC/SP
 Sample : K5028-01
 Misc : 5.0mL/MSVOA U/WATER
 ALS Vial : 12 Sample Multiplier: 1

Instrument :
 MSVOA_U
 ClientSampleId :
 BFDK2

Quant Time: Oct 02 02:43:59 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	350113	50.00	ug/L	0.00
28) Chlorobenzene-d5	9.07	117	335279	50.00	ug/L	0.00
60) 1,4-Dichlorobenzene-d4	11.46	152	147710	50.00	ug/L	0.00

System Monitoring Compounds

4) Vinyl Chloride-d3	1.40	65	103044	41.99	ug/L	0.00
Spiked Amount	50.000	Range	60 - 135	Recovery	=	83.98%
7) Chloroethane-d5	1.67	69	91367	44.32	ug/L	0.00
Spiked Amount	50.000	Range	70 - 130	Recovery	=	88.64%
11) 1,1-Dichloroethene-d2	2.26	63	156145	35.69	ug/L	0.00
Spiked Amount	50.000	Range	60 - 125	Recovery	=	71.38%
21) 2-Butanone-d5	4.15	46	269332	112.48	ug/L	0.00
Spiked Amount	100.000	Range	40 - 130	Recovery	=	112.48%
24) Chloroform-d	4.62	84	219853	46.17	ug/L	0.00
Spiked Amount	50.000	Range	70 - 125	Recovery	=	92.34%
26) 1,2-Dichloroethane-d4	5.29	65	162527	46.48	ug/L	0.00
Spiked Amount	50.000	Range	70 - 125	Recovery	=	92.96%
32) Benzene-d6	5.32	84	435407	47.71	ug/L	0.00
Spiked Amount	50.000	Range	70 - 125	Recovery	=	95.42%
36) 1,2-Dichloropropane-d6	6.31	67	153698	48.98	ug/L	0.00
Spiked Amount	50.000	Range	70 - 120	Recovery	=	97.96%
41) Toluene-d8	7.54	98	405293	47.19	ug/L	0.00
Spiked Amount	50.000	Range	80 - 120	Recovery	=	94.38%
43) trans-1,3-Dichloropropene-	7.83	79	67486	48.56	ug/L	0.00
Spiked Amount	50.000	Range	60 - 125	Recovery	=	97.12%
47) 2-Hexanone-d5	8.29	63	180985	120.50	ug/L	0.00
Spiked Amount	100.000	Range	45 - 130	Recovery	=	120.50%
57) 1,1,2,2-Tetrachloroethane-	10.41	84	222710	49.69	ug/L	0.00
Spiked Amount	50.000	Range	65 - 120	Recovery	=	99.38%
64) 1,2-Dichlorobenzene-d4	11.84	152	145828	49.62	ug/L	0.00
Spiked Amount	50.000	Range	80 - 120	Recovery	=	99.24%

Target Compounds

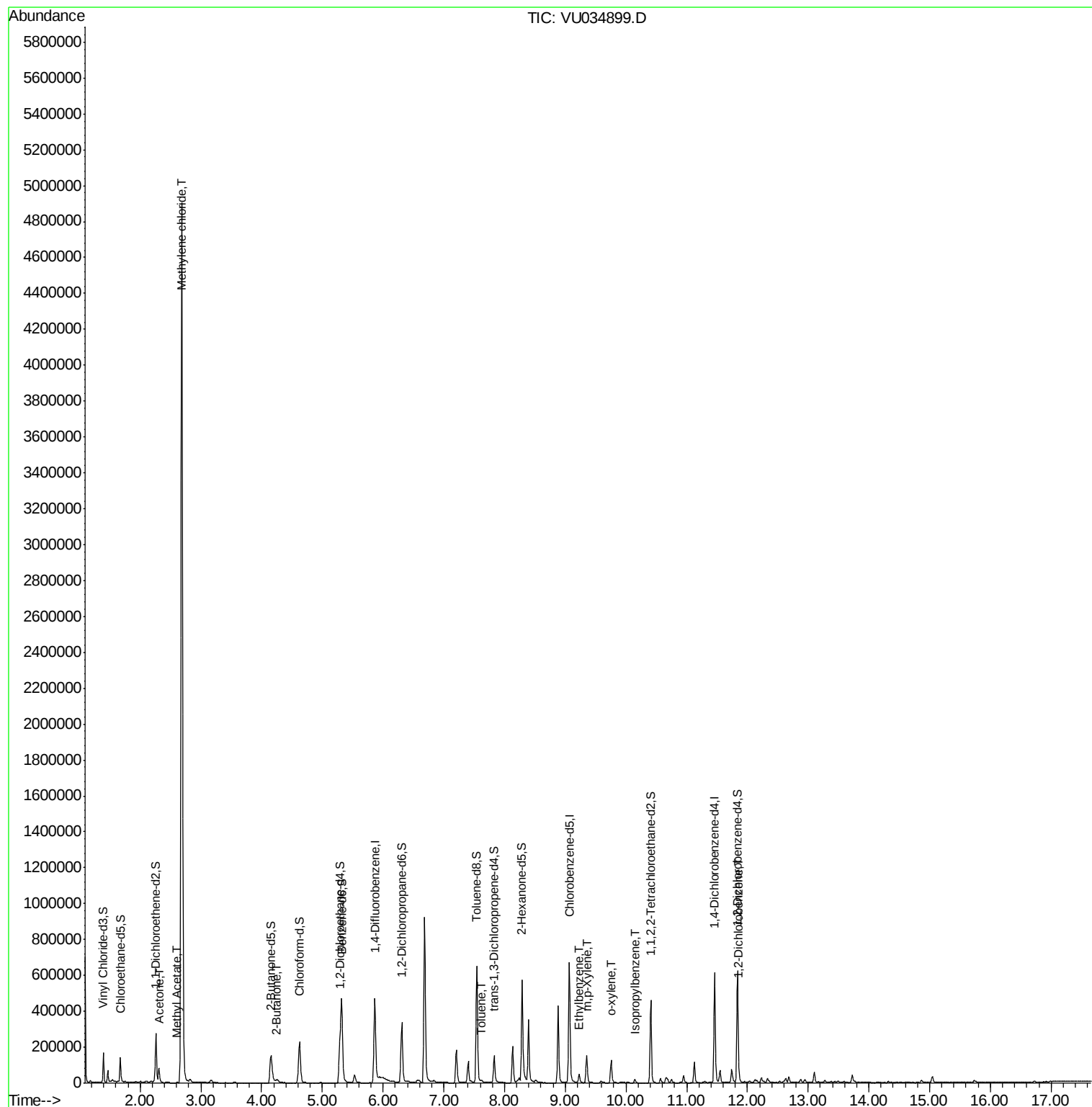
					Ovalue
13) Acetone	2.31	43	86598	45.504	ug/L 98
15) Methyl Acetate	2.61	43	2983	0.982	ug/L 100
16) Methylene chloride	2.68	84	1953046	1018.264	ug/L 96
22) 2-Butanone	4.25	43	25455	10.298	ug/L 94
42) Toluene	7.62	91	7993	1.039	ug/L 95
52) Ethylbenzene	9.23	91	33232	3.679	ug/L 100
53) m,p-Xylene	9.35	106	40775	12.921	ug/L 99
54) o-xylene	9.76	106	22899	6.881	ug/L 92
56) Isopropylbenzene	10.14	105	12905	1.388	ug/L 97
65) 1,2-Dichlorobenzene	11.86	146	5122	1.195	ug/L # 78

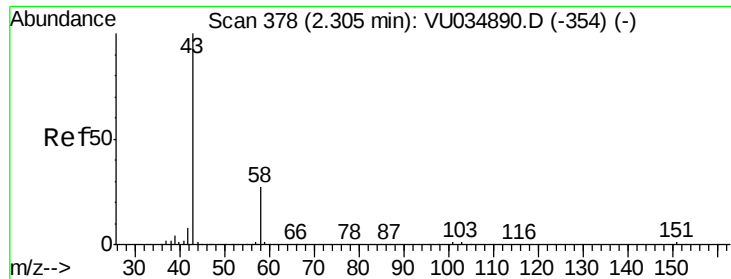
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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QLast Update : Wed Oct 02 01:50:17 2019
Response via : Initial Calibration





#13

Acetone

Concen: 45.504 ug/L

RT: 2.31 min Scan# 379

Delta R.T. 0.00 min

Lab File: VU034899.D

Acq: 01 Oct 2019 19:44

Instrument :

MSVOA_U

ClientSampleId :

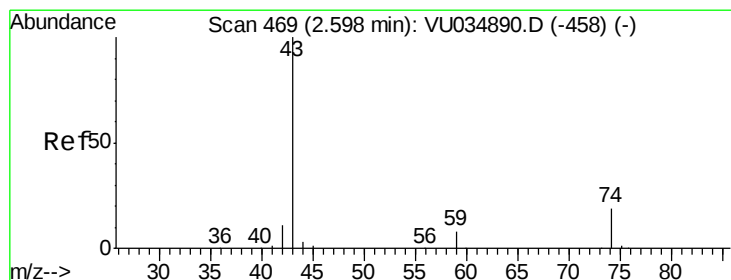
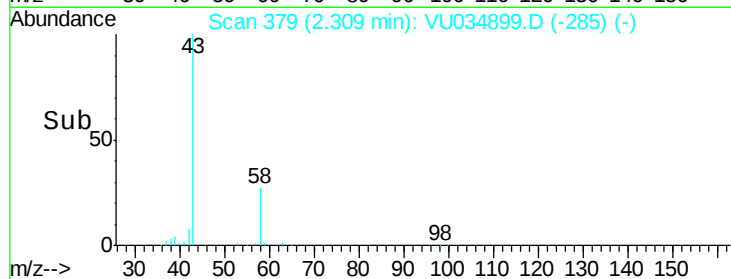
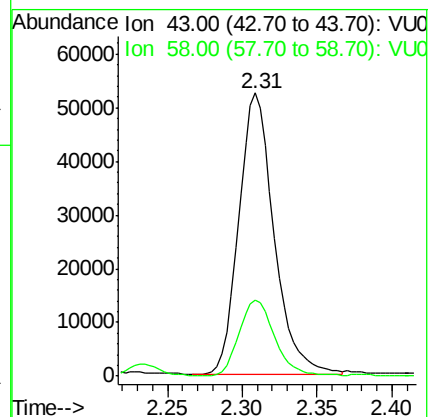
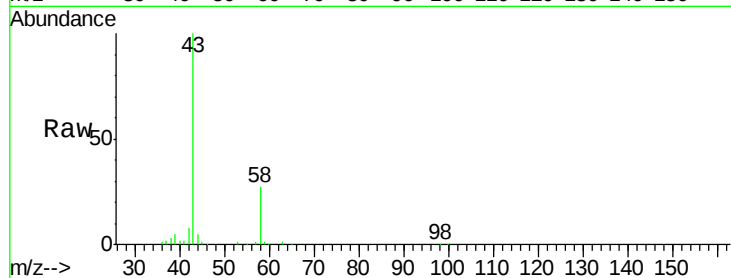
BFDK2

Tot Ion: 43 Resp: 86598

Ion Ratio Lower Upper

43 100

58 27.5 0.0 52.6



#15

Methyl Acetate

Concen: 0.982 ug/L

RT: 2.61 min Scan# 472

Delta R.T. 0.01 min

Lab File: VU034899.D

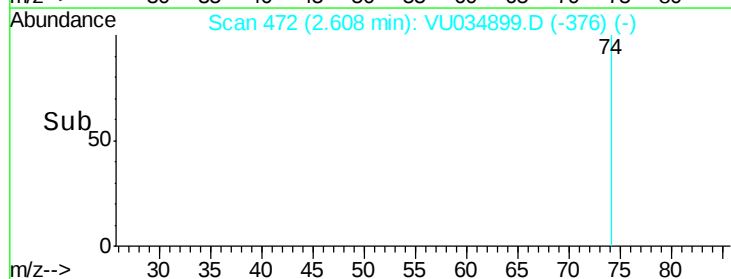
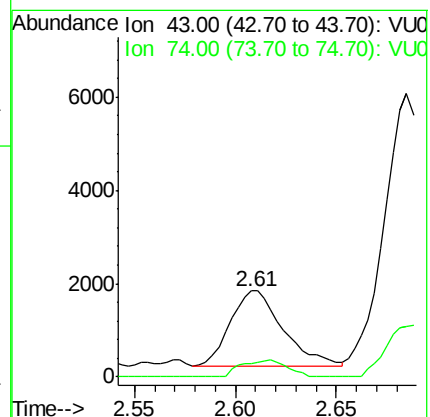
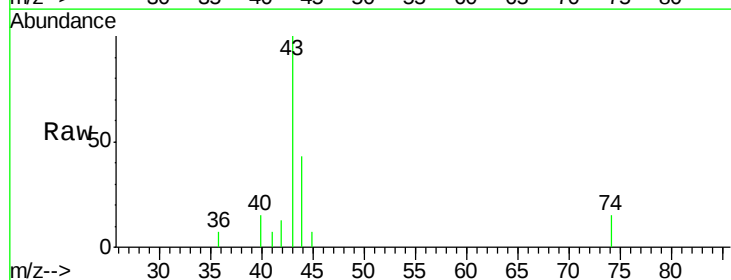
Acq: 01 Oct 2019 19:44

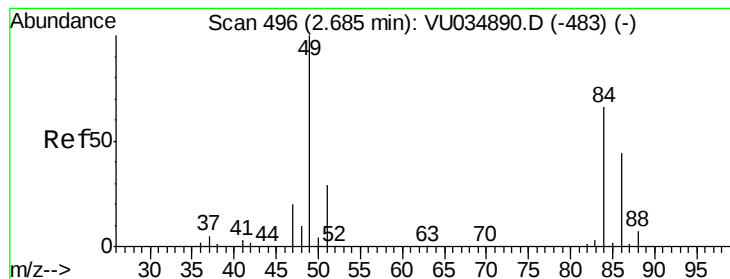
Tgt Ion: 43 Resp: 2983

Ion Ratio Lower Upper

43 100

74 18.9 15.3 22.9





#16

Methylene chloride

Concen: 1018.264 ug/L

RT: 2.68 min Scan# 496

Delta R.T. 0.00 min

Lab File: VU034899.D

Acq: 01 Oct 2019 19:44

Instrument :

MSVOA_U

ClientSampleId :

BFDK2

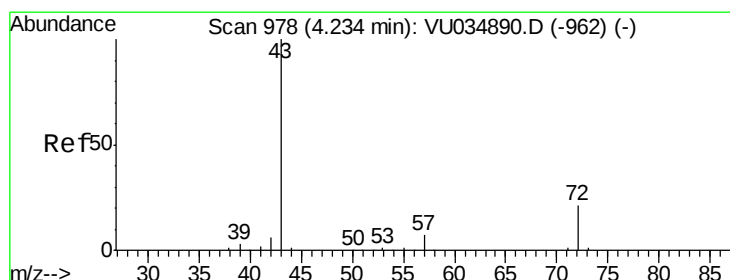
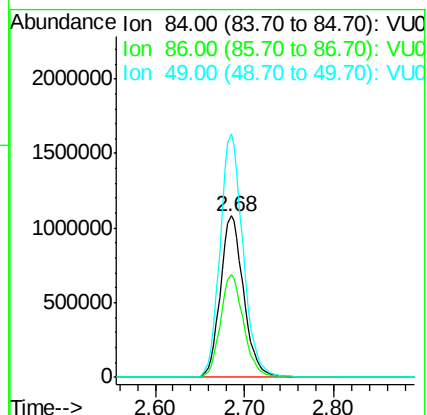
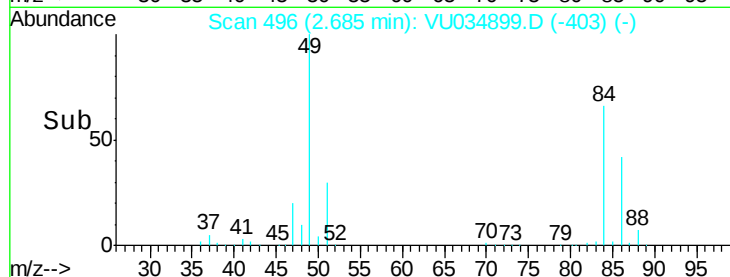
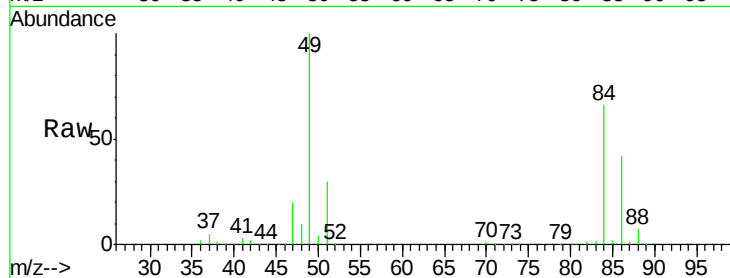
Tot Ion: 84 Resp: 1953046

Ion Ratio Lower Upper

84 100

86 63.5 44.7 82.9

49 150.7 100.7 186.9



#22

2-Butanone

Concen: 10.298 ug/L

RT: 4.25 min Scan# 983

Delta R.T. 0.02 min

Lab File: VU034899.D

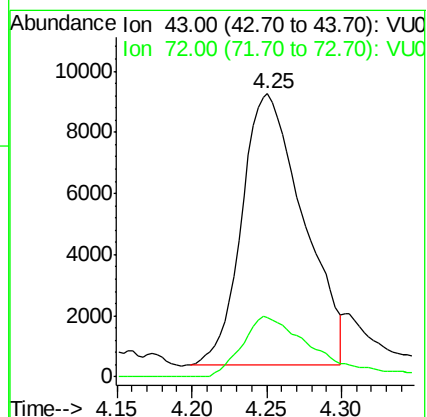
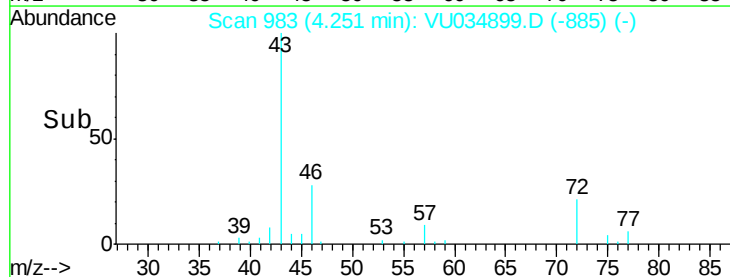
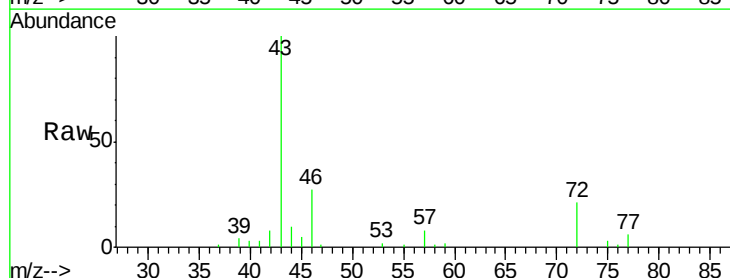
Acq: 01 Oct 2019 19:44

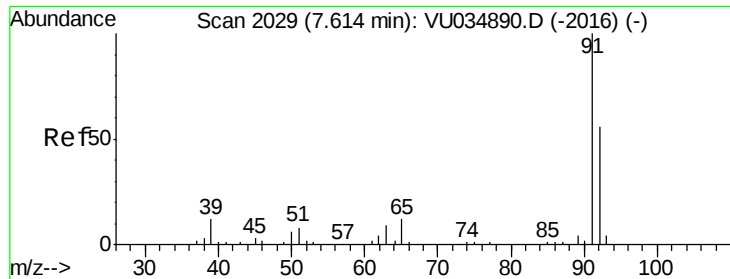
Tgt Ion: 43 Resp: 25455

Ion Ratio Lower Upper

43 100

72 25.1 11.2 33.6





#42

Toluene

Concen: 1.039 ug/L

RT: 7.62 min Scan# 2030

Delta R.T. 0.00 min

Lab File: VU034899.D

Acq: 01 Oct 2019 19:44

Instrument :

MSVOA_U

ClientSampleId :

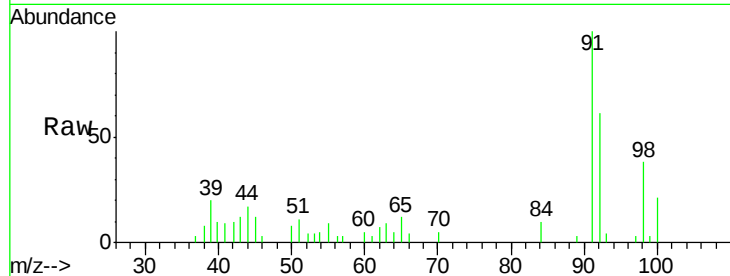
BFDK2

Tot Ion: 91 Resp: 7993

Ion Ratio Lower Upper

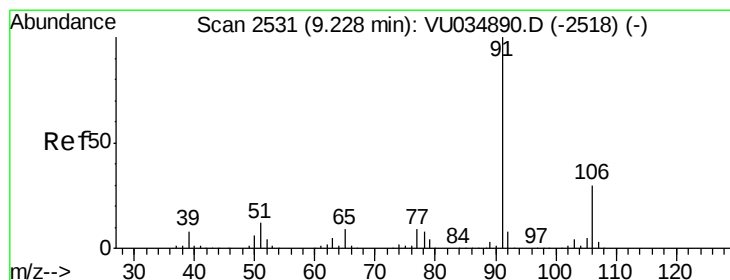
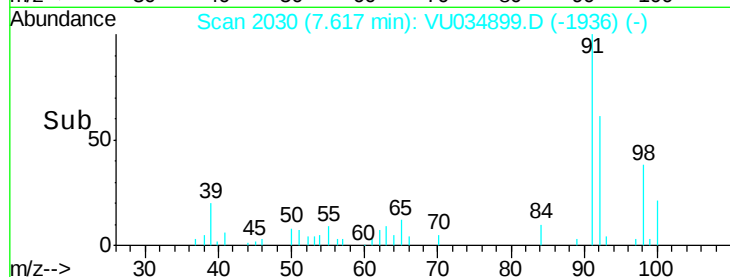
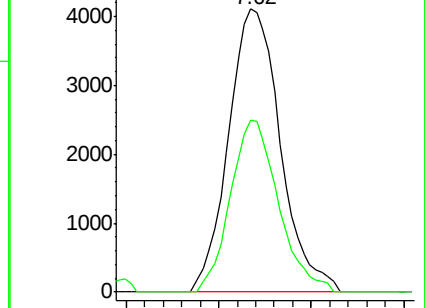
91 100

92 61.0 40.0 74.4



Abundance Ion 91.00 (90.70 to 91.70): VU034899.D (-2016) (-)

Ion 92.00 (91.70 to 92.70): VU034899.D (-2016) (-)



#52

Ethylbenzene

Concen: 3.679 ug/L

RT: 9.23 min Scan# 2531

Delta R.T. 0.00 min

Lab File: VU034899.D

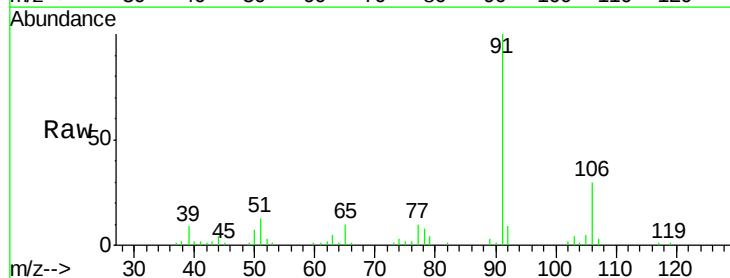
Acq: 01 Oct 2019 19:44

Tgt Ion: 91 Resp: 33232

Ion Ratio Lower Upper

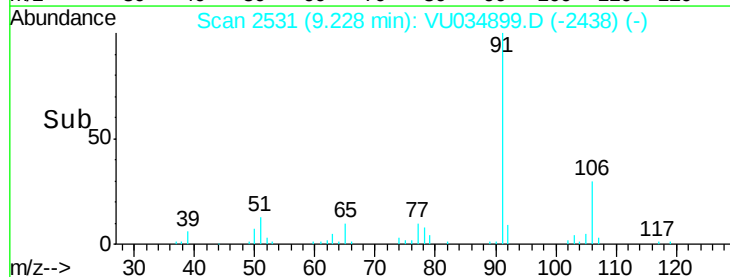
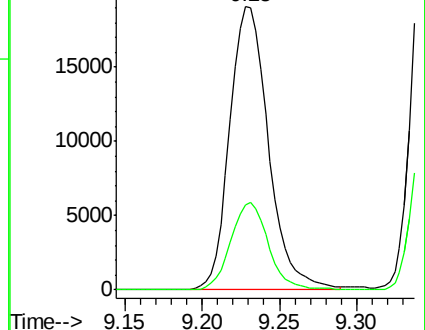
91 100

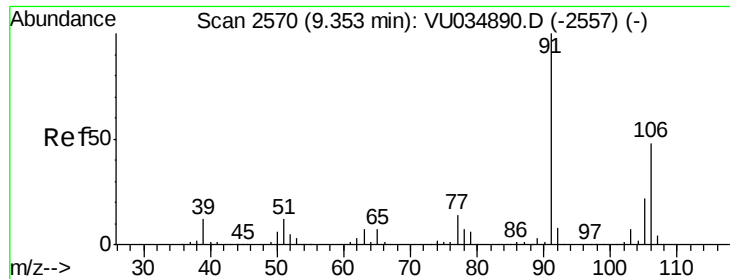
106 30.0 20.9 38.9



Abundance Ion 91.00 (90.70 to 91.70): VU034899.D (-2518) (-)

Ion 106.00 (105.70 to 106.70): VU034899.D (-2518) (-)





#53

m,p-Xylene

Concen: 12.921 ug/L

RT: 9.35 min Scan# 2570

Delta R.T. 0.00 min

Lab File: VU034899.D

Acq: 01 Oct 2019 19:44

Instrument :

MSVOA_U

ClientSampleId :

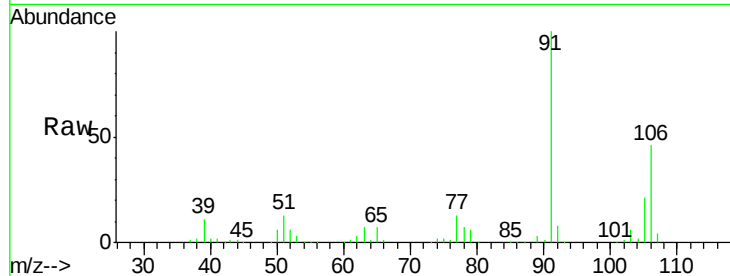
BFDK2

Tot Ion:106 Resp: 40775

Ion Ratio Lower Upper

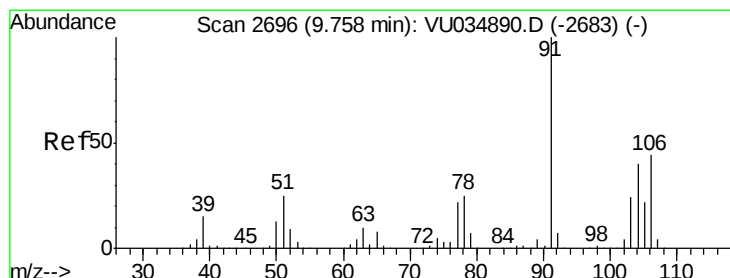
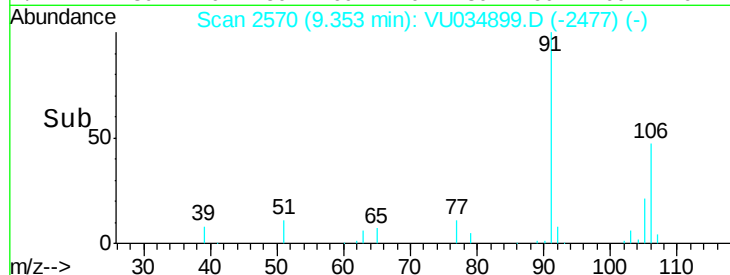
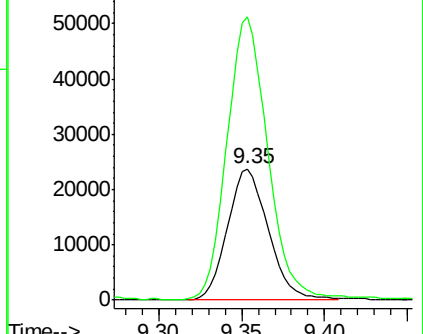
106 100

91 215.7 150.1 278.9



Abundance Ion 106.00 (105.70 to 106.70): V

Ion 91.00 (90.70 to 91.70): VU0



#54

o-xylene

Concen: 6.881 ug/L

RT: 9.76 min Scan# 2696

Delta R.T. 0.00 min

Lab File: VU034899.D

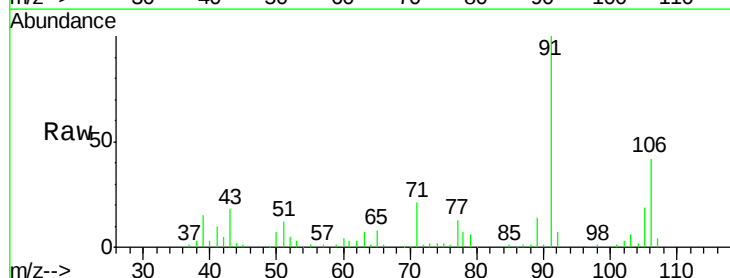
Acq: 01 Oct 2019 19:44

Tgt Ion:106 Resp: 22899

Ion Ratio Lower Upper

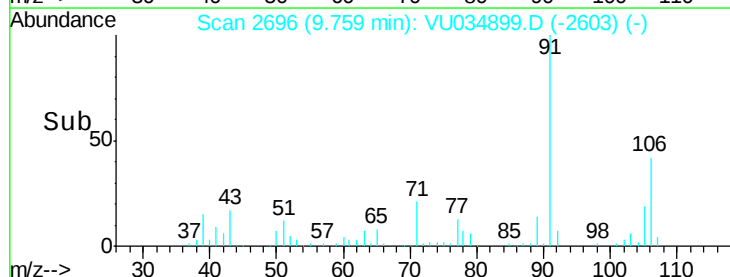
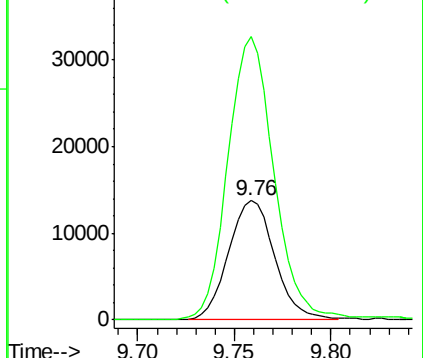
106 100

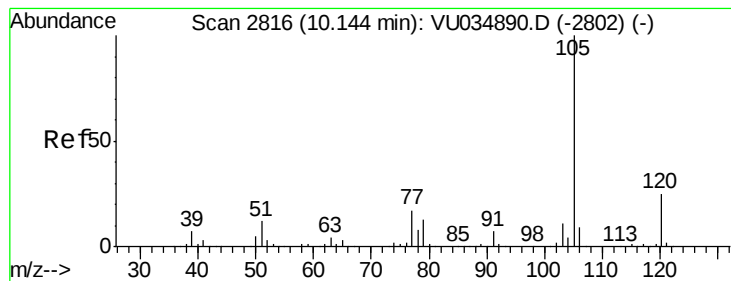
91 237.8 157.8 293.0



Abundance Ion 106.00 (105.70 to 106.70): V

Ion 91.00 (90.70 to 91.70): VU0





#56

Isopropylbenzene

Concen: 1.388 ug/L

RT: 10.14 min Scan# 2816

Delta R.T. 0.00 min

Lab File: VU034899.D

Acq: 01 Oct 2019 19:44

Instrument :

MSVOA_U

ClientSampled :

BFDK2

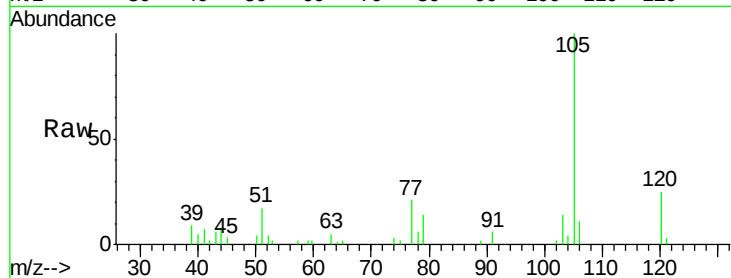
Tot Ion:105 Resp: 12905

Ion Ratio Lower Upper

105 100

120 25.9 20.2 30.4

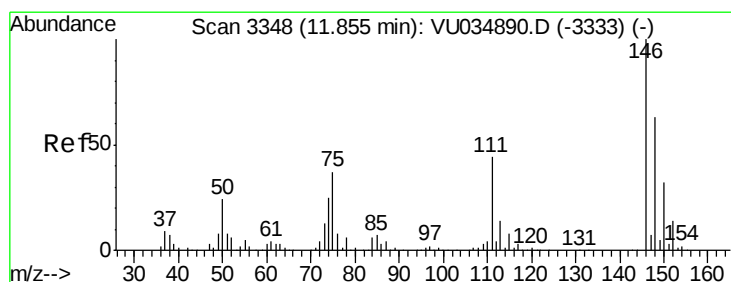
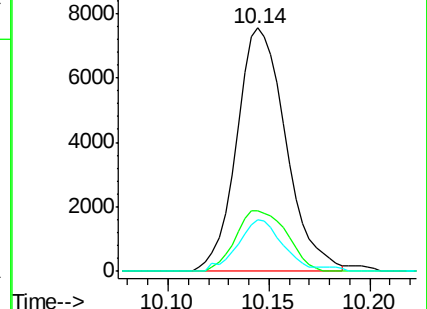
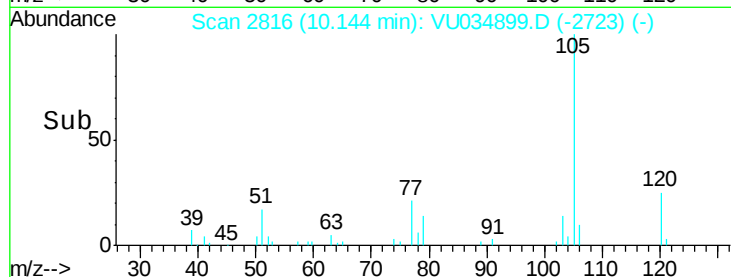
77 19.2 13.7 20.5



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): V



#65

1,2-Dichlorobenzene

Concen: 1.195 ug/L

RT: 11.86 min Scan# 3349

Delta R.T. 0.00 min

Lab File: VU034899.D

Acq: 01 Oct 2019 19:44

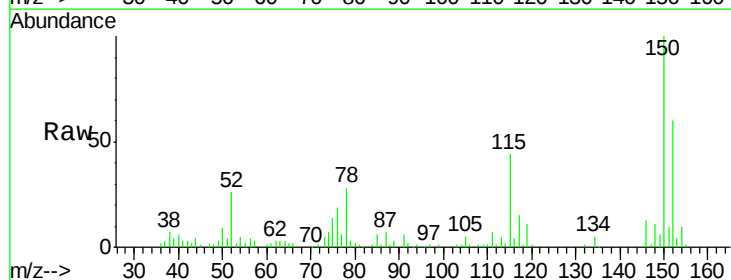
Tgt Ion:146 Resp: 5122

Ion Ratio Lower Upper

146 100

111 54.4 34.9 52.3#

148 82.1 50.0 75.0#



Abundance Ion 146.00 (145.70 to 146.70): V

Ion 111.00 (110.70 to 111.70): V

Ion 148.00 (147.70 to 148.70): V

