

Data Path : Z:\VOASRV\HPCHEM1\MSVOA U\DATA\U100219\
 Data File : VU034900.D
 Acq On : 01 Oct 2019 20:07
 Operator : JC/SP
 Sample : K5028-07
 Misc : 5.0mL/MSVOA U/WATER
 ALS Vial : 13 Sample Multiplier: 1

Instrument :
 MSVOA_U
 ClientSampleId :
 BFDL1

Quant Time: Oct 02 02:40:21 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	359885	50.00	ug/L	0.00
28) Chlorobenzene-d5	9.07	117	347701	50.00	ug/L	0.00
60) 1,4-Dichlorobenzene-d4	11.46	152	153150	50.00	ug/L	0.00

System Monitoring Compounds

4) Vinyl Chloride-d3	1.40	65	103762	41.14	ug/L	0.00
Spiked Amount	50.000	Range	60 - 135	Recovery	=	82.28%
7) Chloroethane-d5	1.67	69	91952	43.39	ug/L	0.00
Spiked Amount	50.000	Range	70 - 130	Recovery	=	86.78%
11) 1,1-Dichloroethene-d2	2.26	63	157717	35.07	ug/L	0.00
Spiked Amount	50.000	Range	60 - 125	Recovery	=	70.14%
21) 2-Butanone-d5	4.15	46	282139	114.63	ug/L	0.00
Spiked Amount	100.000	Range	40 - 130	Recovery	=	114.63%
24) Chloroform-d	4.62	84	226522	46.28	ug/L	0.00
Spiked Amount	50.000	Range	70 - 125	Recovery	=	92.56%
26) 1,2-Dichloroethane-d4	5.29	65	168074	46.76	ug/L	0.00
Spiked Amount	50.000	Range	70 - 125	Recovery	=	93.52%
32) Benzene-d6	5.32	84	445890	47.12	ug/L	0.00
Spiked Amount	50.000	Range	70 - 125	Recovery	=	94.24%
36) 1,2-Dichloropropane-d6	6.31	67	156111	47.97	ug/L	0.00
Spiked Amount	50.000	Range	70 - 120	Recovery	=	95.94%
41) Toluene-d8	7.54	98	414067	46.49	ug/L	0.00
Spiked Amount	50.000	Range	80 - 120	Recovery	=	92.98%
43) trans-1,3-Dichloropropene-	7.83	79	70369	48.82	ug/L	0.00
Spiked Amount	50.000	Range	60 - 125	Recovery	=	97.64%
47) 2-Hexanone-d5	8.29	63	186926	120.00	ug/L	0.00
Spiked Amount	100.000	Range	45 - 130	Recovery	=	120.00%
57) 1,1,2,2-Tetrachloroethane-	10.41	84	225284	48.47	ug/L	0.00
Spiked Amount	50.000	Range	65 - 120	Recovery	=	96.94%
64) 1,2-Dichlorobenzene-d4	11.84	152	152287	49.98	ug/L	0.00
Spiked Amount	50.000	Range	80 - 120	Recovery	=	99.96%

Target Compounds

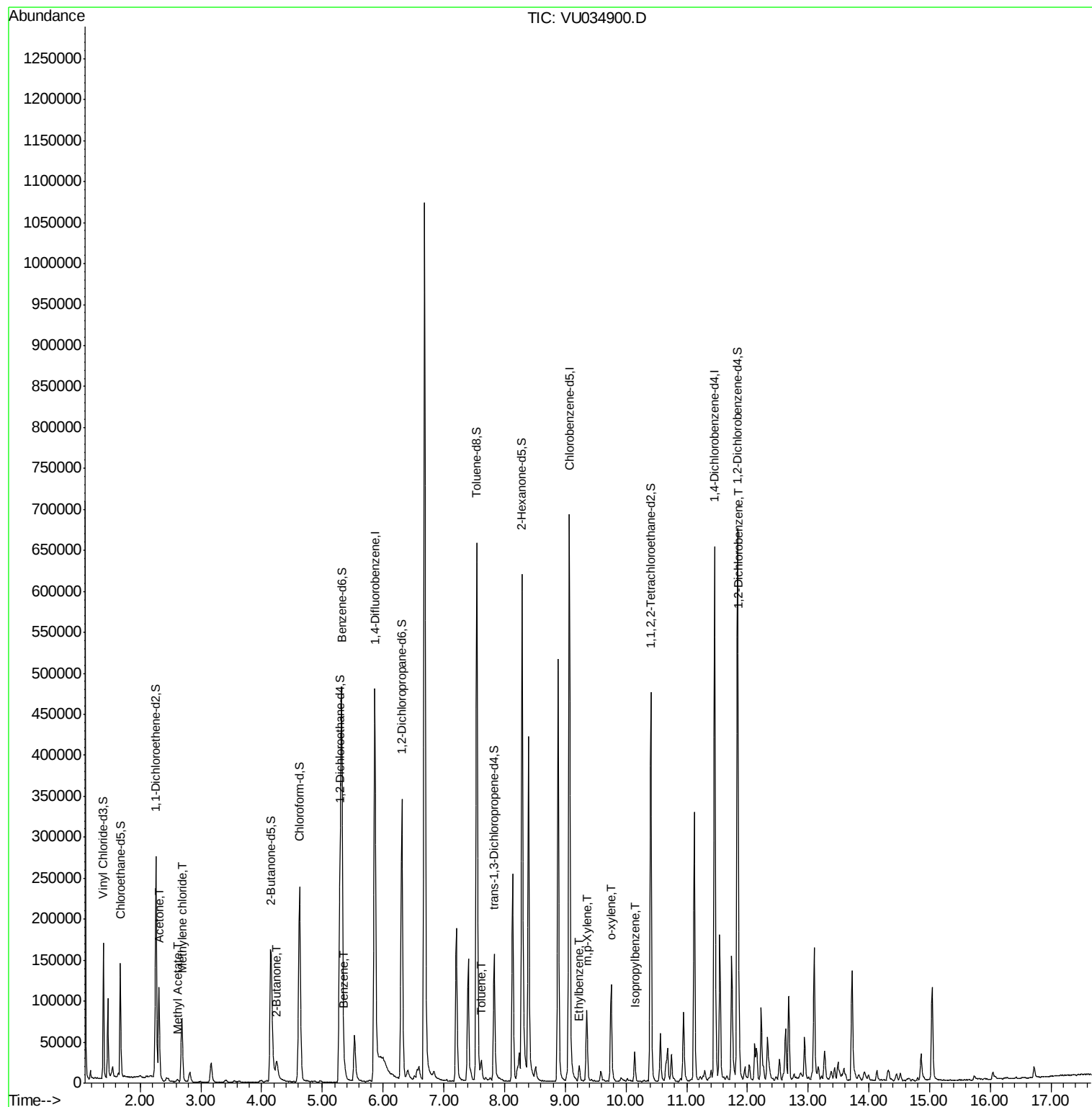
Target Compounds	R.T.	QIon	Response	Conc	Units	Ovalue
13) Acetone	2.31	43	119615	61.147	ug/L	98
15) Methyl Acetate	2.61	43	4419	1.415	ug/L	92
16) Methylene chloride	2.69	84	31636	16.046	ug/L	95
22) 2-Butanone	4.25	43	37474	14.749	ug/L	97
33) Benzene	5.37	78	10386	1.400	ug/L	100
42) Toluene	7.62	91	15249	1.911	ug/L	95
52) Ethylbenzene	9.23	91	13659	1.458	ug/L	96
53) m,p-Xylene	9.36	106	23352	7.136	ug/L	97
54) o-xylene	9.76	106	19914	5.770	ug/L	90
56) Isopropylbenzene	10.14	105	23799	2.468	ug/L	97
65) 1,2-Dichlorobenzene	11.85	146	24716	5.562	ug/L	96

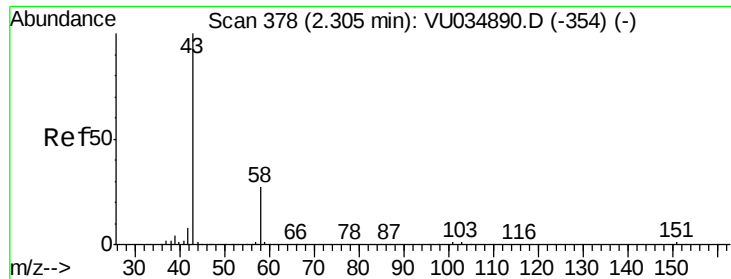
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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





#13

Acetone

Concen: 61.147 ug/L

RT: 2.31 min Scan# 379

Delta R.T. 0.00 min

Lab File: VU034900.D

Acq: 01 Oct 2019 20:07

Instrument :

MSVOA_U

ClientSampleId :

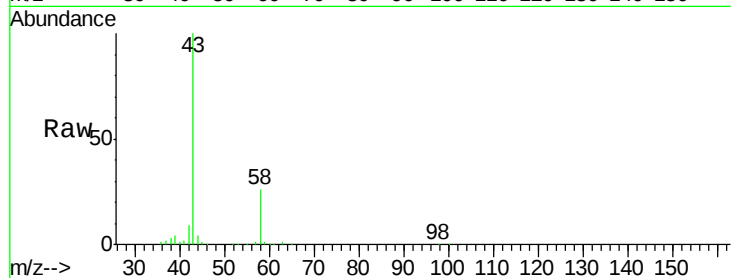
BFDL1

Tot Ion: 43 Resp: 119615

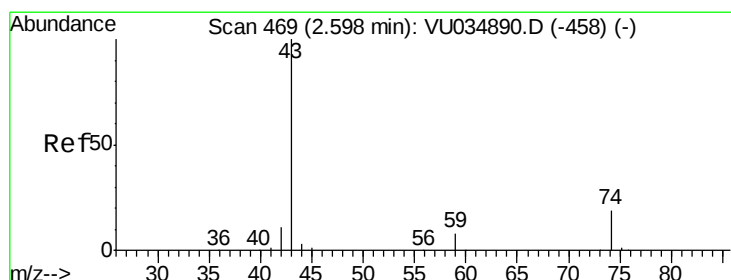
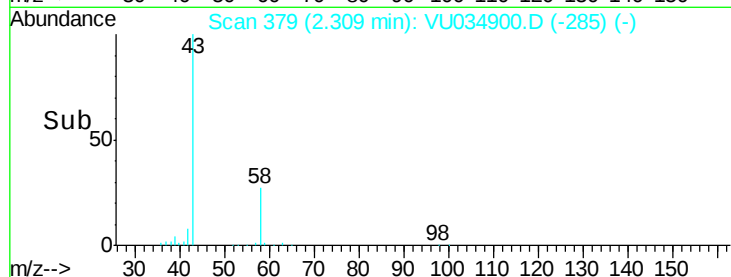
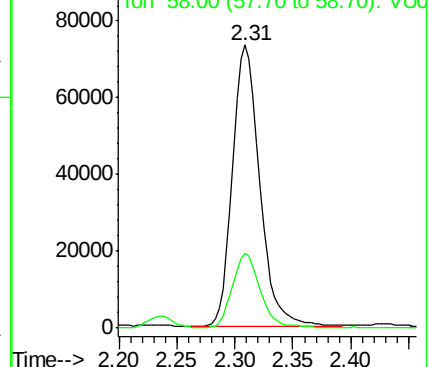
Ion Ratio Lower Upper

43 100

58 27.2 0.0 52.6



Abundance Ion 43.00 (42.70 to 43.70): VU034900.D (-379) (-)



#15

Methyl Acetate

Concen: 1.415 ug/L

RT: 2.61 min Scan# 474

Delta R.T. 0.02 min

Lab File: VU034900.D

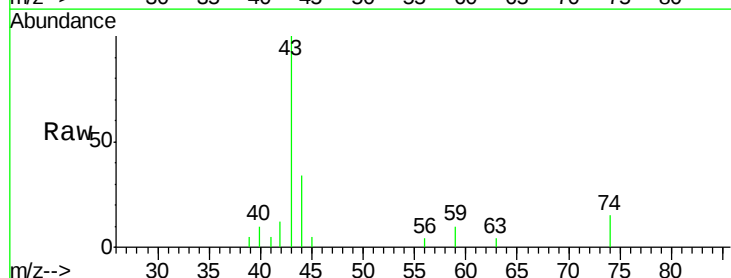
Acq: 01 Oct 2019 20:07

Tgt Ion: 43 Resp: 4419

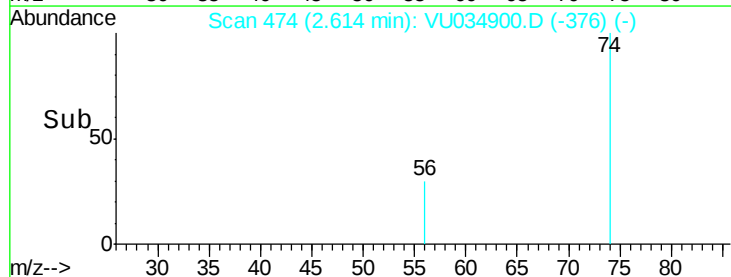
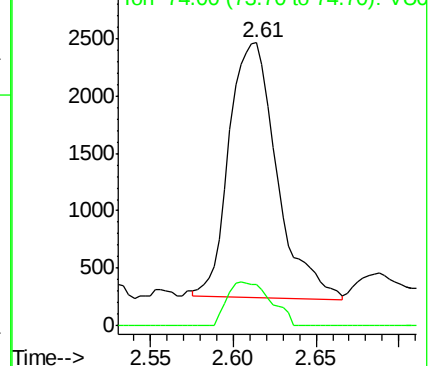
Ion Ratio Lower Upper

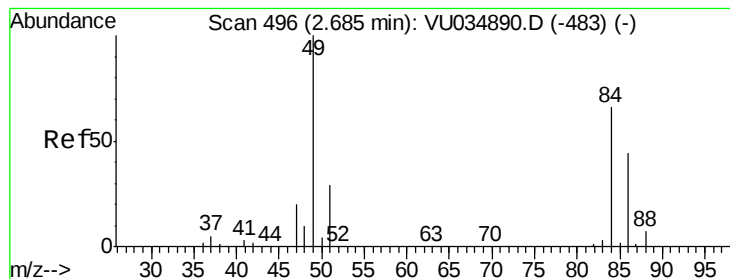
43 100

74 15.7 15.3 22.9



Abundance Ion 43.00 (42.70 to 43.70): VU034900.D (-379) (-)





#16

Methvlene chloride

Concen: 16.046 ug/L

RT: 2.69 min Scan# 497

Delta R.T. 0.00 min

Lab File: VU034900.D

Acq: 01 Oct 2019 20:07

Instrument :

MSVOA_U

ClientSampleId :

BFDL1

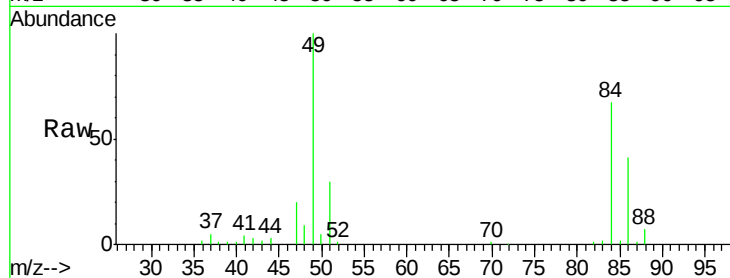
Tot Ion: 84 Resp: 31636

Ion Ratio Lower Upper

84 100

86 61.0 44.7 82.9

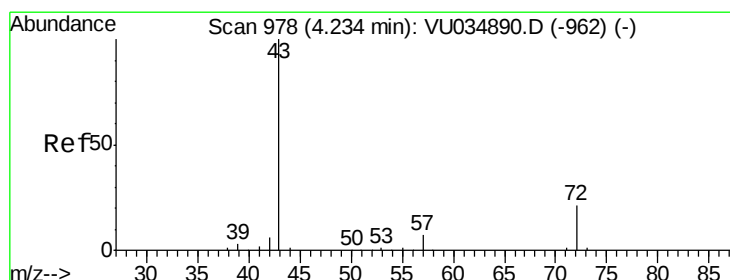
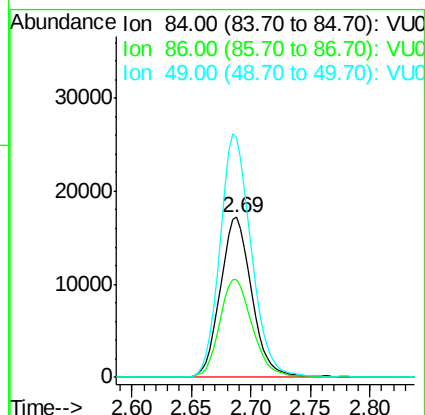
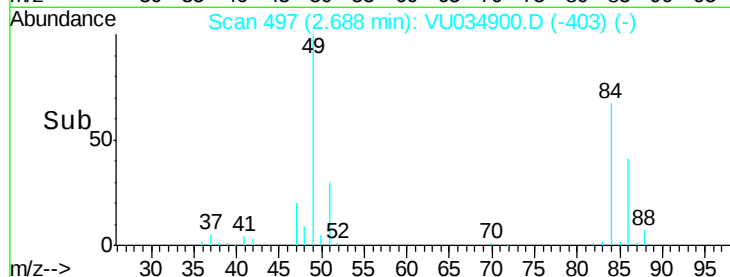
49 150.0 100.7 186.9



Abundance Ion 84.00 (83.70 to 84.70): VU034900.D (-403) (-)

Ion 86.00 (85.70 to 86.70): VU034900.D (-403) (-)

Ion 49.00 (48.70 to 49.70): VU034900.D (-403) (-)



#22

2-Butanone

Concen: 14.749 ug/L

RT: 4.25 min Scan# 983

Delta R.T. 0.02 min

Lab File: VU034900.D

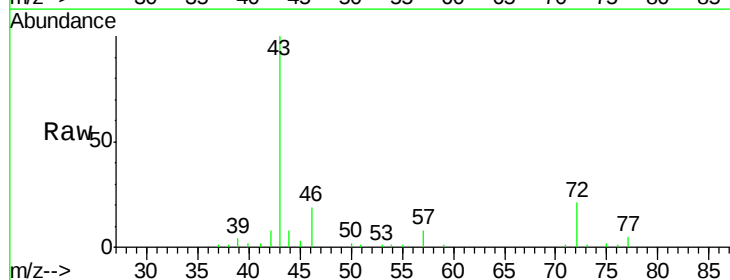
Acq: 01 Oct 2019 20:07

Tgt Ion: 43 Resp: 37474

Ion Ratio Lower Upper

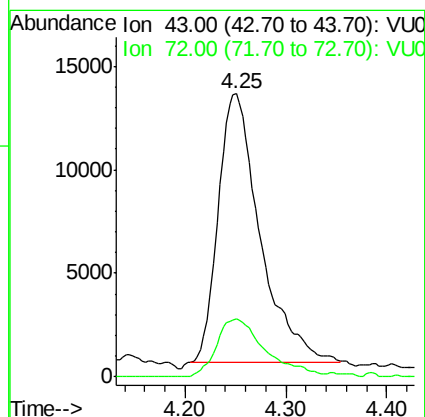
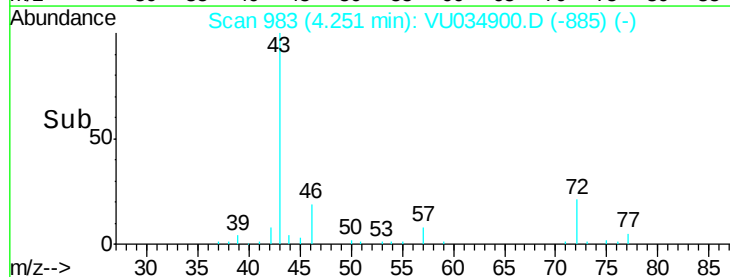
43 100

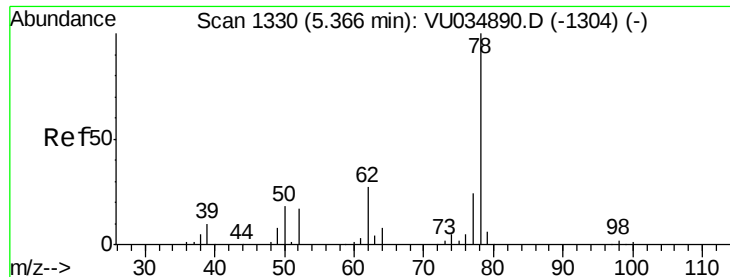
72 23.7 11.2 33.6



Abundance Ion 43.00 (42.70 to 43.70): VU034900.D (-885) (-)

Ion 72.00 (71.70 to 72.70): VU034900.D (-885) (-)





#33

Benzene

Concen: 1.400 ug/L

RT: 5.37 min Scan# 1330

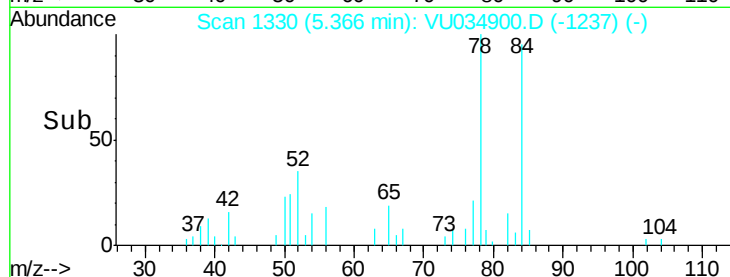
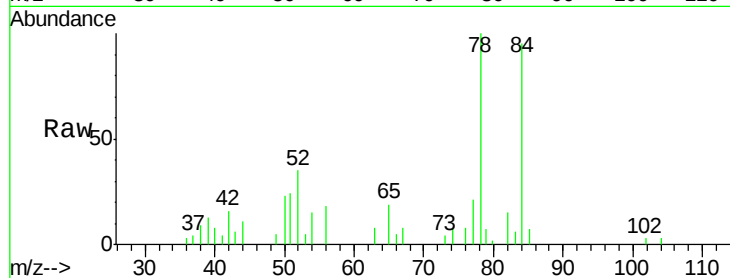
Delta R.T. 0.00 min

Lab File: VU034900.D

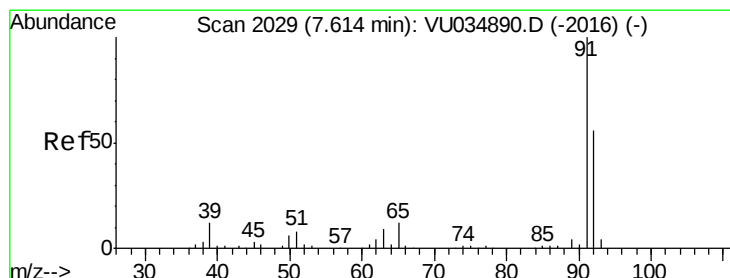
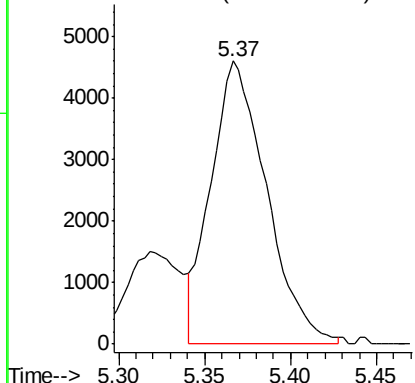
Acq: 01 Oct 2019 20:07

Instrument :
MSVOA_U
ClientSampleId :
BFDL1

Tgt Ion: 78 Resp: 10386



Abundance Ion 78.00 (77.70 to 78.70): VU0



#42

Toluene

Concen: 1.911 ug/L

RT: 7.62 min Scan# 2030

Delta R.T. 0.00 min

Lab File: VU034900.D

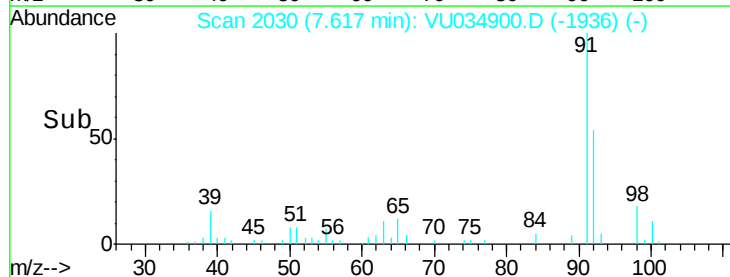
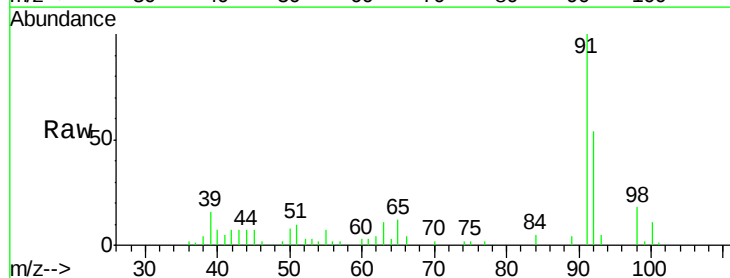
Acq: 01 Oct 2019 20:07

Tgt Ion: 91 Resp: 15249

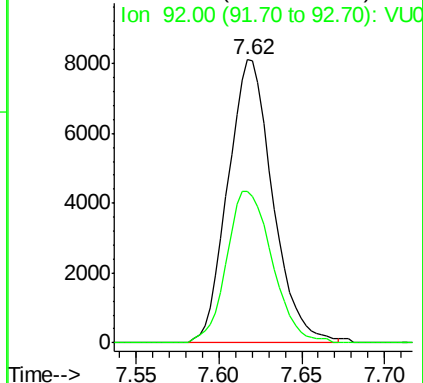
Ion Ratio Lower Upper

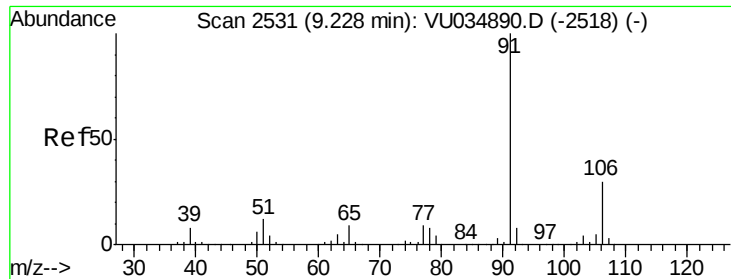
91 100

92 53.5 40.0 74.4



Abundance Ion 91.00 (90.70 to 91.70): VU0





#52

Ethylbenzene

Concen: 1.458 ug/L

RT: 9.23 min Scan# 2532

Delta R.T. 0.00 min

Lab File: VU034900.D

Acq: 01 Oct 2019 20:07

Instrument :

MSVOA_U

ClientSampleId :

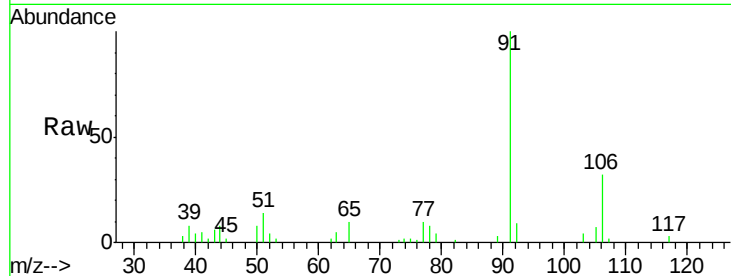
BFDL1

Tot Ion: 91 Resp: 13659

Ion Ratio Lower Upper

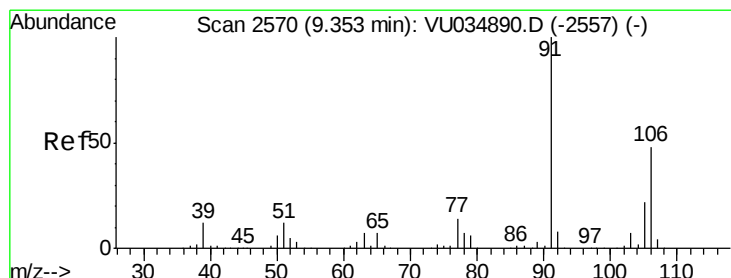
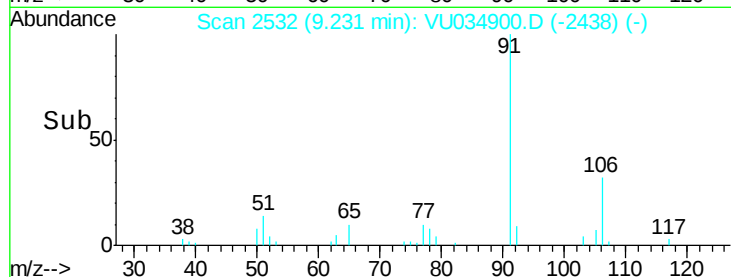
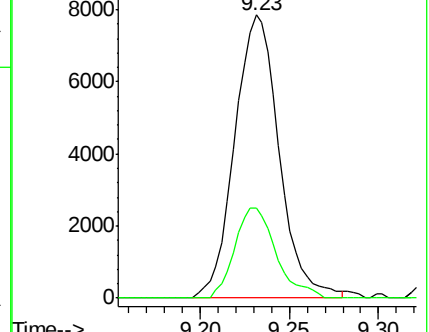
91 100

106 31.8 20.9 38.9



Abundance Ion 91.00 (90.70 to 91.70): VU034890.D (-2518) (-)

Ion 106.00 (105.70 to 106.70): VU034890.D (-2518) (-)



#53

m,p-Xylene

Concen: 7.136 ug/L

RT: 9.36 min Scan# 2571

Delta R.T. 0.00 min

Lab File: VU034900.D

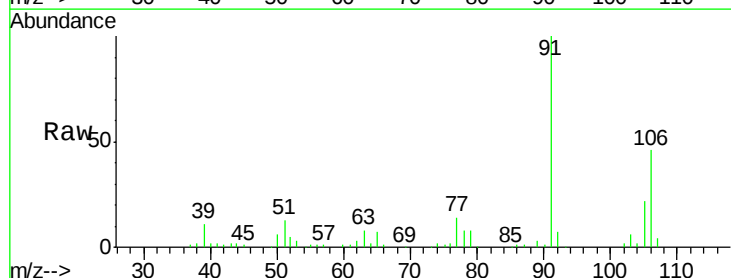
Acq: 01 Oct 2019 20:07

Tgt Ion: 106 Resp: 23352

Ion Ratio Lower Upper

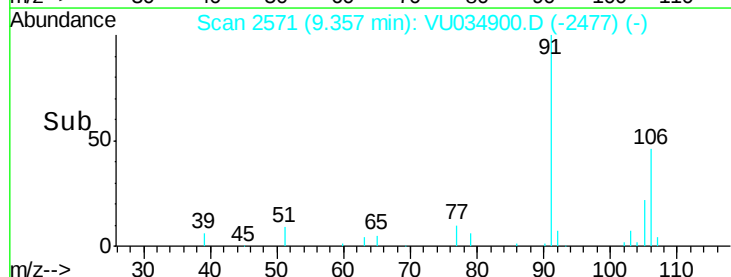
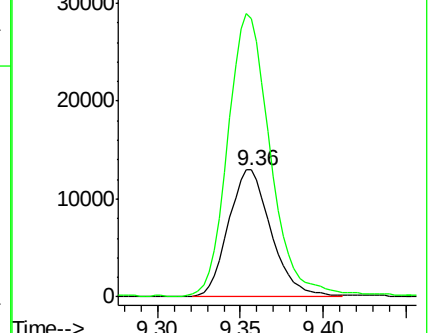
106 100

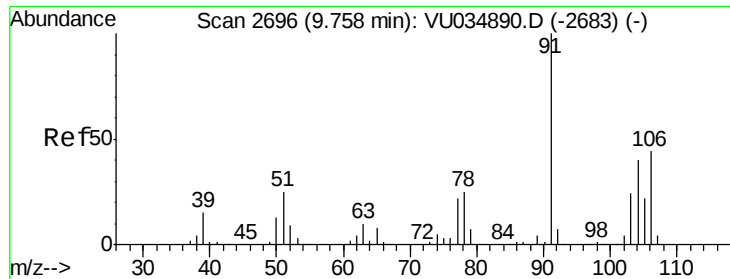
91 219.3 150.1 278.9



Abundance Ion 106.00 (105.70 to 106.70): VU034890.D (-2557) (-)

Ion 91.00 (90.70 to 91.70): VU034890.D (-2557) (-)





#54

o-xylene

Concen: 5.770 ug/L

RT: 9.76 min Scan# 2696

Delta R.T. 0.00 min

Lab File: VU034900.D

Acq: 01 Oct 2019 20:07

Instrument :

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ClientSampleID :

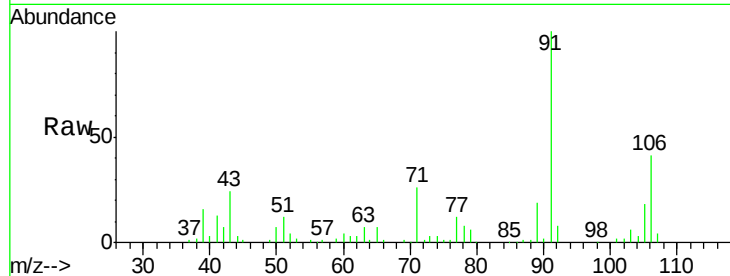
BFDL1

Tot Ion:106 Resp: 19914

Ion Ratio Lower Upper

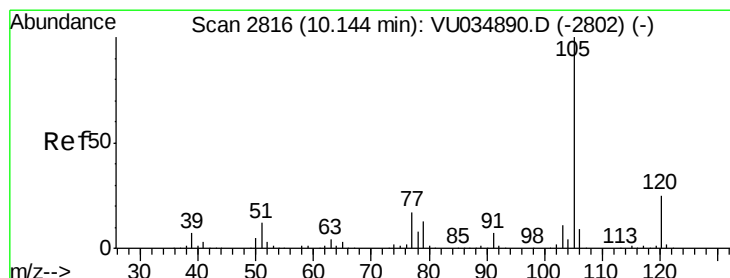
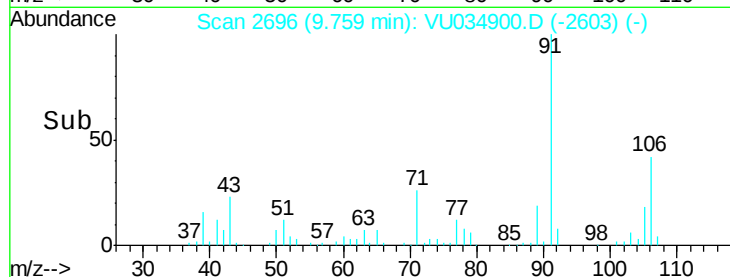
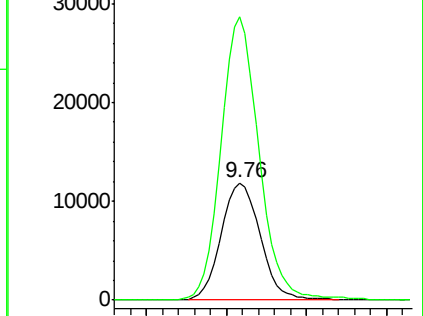
106 100

91 241.9 157.8 293.0



Abundance Ion 106.00 (105.70 to 106.70): V

Ion 91.00 (90.70 to 91.70): VU0



#56

Isopropylbenzene

Concen: 2.468 ug/L

RT: 10.14 min Scan# 2816

Delta R.T. 0.00 min

Lab File: VU034900.D

Acq: 01 Oct 2019 20:07

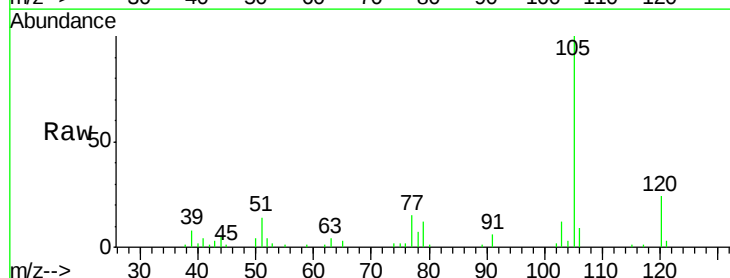
Tgt Ion:105 Resp: 23799

Ion Ratio Lower Upper

105 100

120 24.2 20.2 30.4

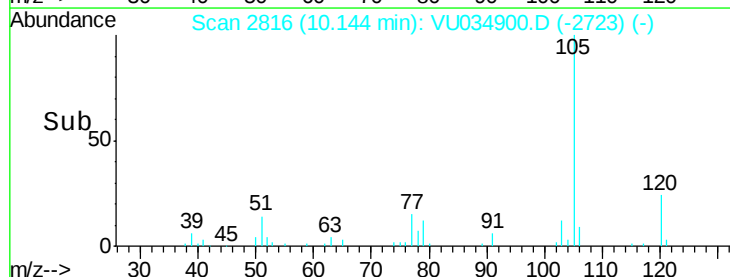
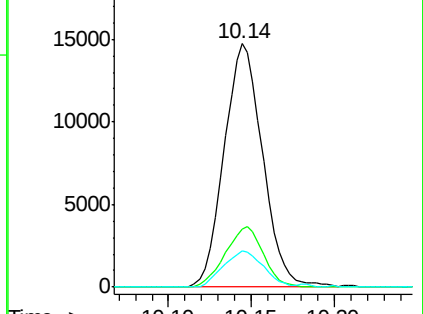
77 15.5 13.7 20.5

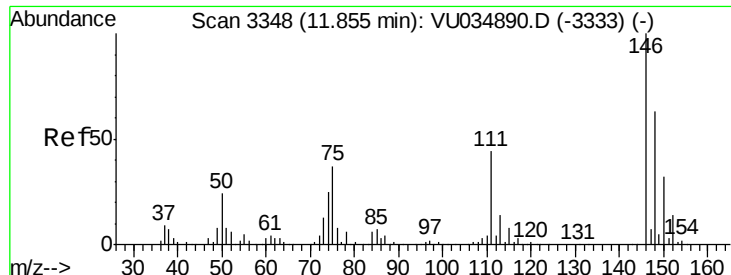


Abundance Ion 105.00 (104.70 to 105.70): V

Ion 120.00 (119.70 to 120.70): V

Ion 77.00 (76.70 to 77.70): VU0





#65

1,2-Dichlorobenzene

Concen: 5.562 ug/L

RT: 11.85 min Scan# 3348

Delta R.T. 0.00 min

Lab File: VU034900.D

Acq: 01 Oct 2019 20:07

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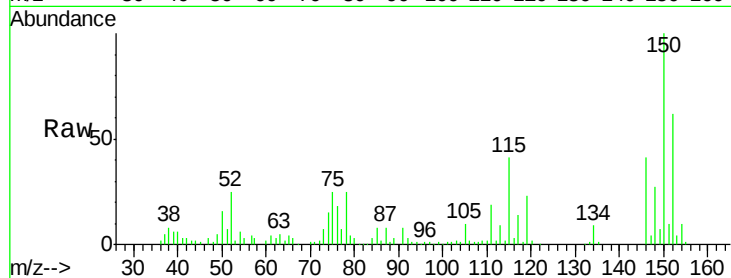
Tot Ion:146 Resp: 24716

Ion Ratio Lower Upper

146 100

111 45.8 34.9 52.3

148 66.0 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

