

Data Path : Z:\VOASRV\HPCHEM1\MSVOA U\DATA\VU052419\
 Data File : VU032302.D
 Acq On : 24 May 2019 10:38
 Operator : JC/SP
 Sample : K3001-09 50X
 Misc : 5.0mL/MSVOA U/WATER
 ALS Vial : 57 Sample Multiplier: 1

Instrument :
 MSVOA_U
 ClientSampleId :
 E3YF4

Quant Time: May 24 23:52:14 2019
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_U\METHOD\SOMULM052419WMA.M
 Quant Title : VOC Analysis
 QLast Update : Fri May 24 23:32:32 2019
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Difluorobenzene	5.88	114	750113	50.00	ug/L	0.00
28) Chlorobenzene-d5	9.08	117	729427	50.00	ug/L	0.00
60) 1,4-Dichlorobenzene-d4	11.48	152	316871	50.00	ug/L	0.00

System Monitoring Compounds

4) Vinyl Chloride-d3	1.40	65	231867	59.13	ug/L	0.00
Spiked Amount	50.000	Range	60 - 135	Recovery	=	118.26%
7) Chloroethane-d5	1.67	69	210119	55.84	ug/L	0.00
Spiked Amount	50.000	Range	70 - 130	Recovery	=	111.68%
11) 1,1-Dichloroethene-d2	2.27	63	319979	41.15	ug/L	0.00
Spiked Amount	50.000	Range	60 - 125	Recovery	=	82.30%
21) 2-Butanone-d5	4.17	46	342114	91.45	ug/L	0.00
Spiked Amount	100.000	Range	40 - 130	Recovery	=	91.45%
24) Chloroform-d	4.64	84	466953	46.71	ug/L	0.00
Spiked Amount	50.000	Range	70 - 125	Recovery	=	93.42%
26) 1,2-Dichloroethane-d4	5.30	65	296494	47.22	ug/L	0.00
Spiked Amount	50.000	Range	70 - 125	Recovery	=	94.44%
32) Benzene-d6	5.33	84	955571	51.45	ug/L	0.00
Spiked Amount	50.000	Range	70 - 125	Recovery	=	102.90%
36) 1,2-Dichloropropane-d6	6.32	67	293620	49.66	ug/L	0.00
Spiked Amount	50.000	Range	70 - 120	Recovery	=	99.32%
41) Toluene-d8	7.56	98	828747	48.75	ug/L	0.00
Spiked Amount	50.000	Range	80 - 120	Recovery	=	97.50%
43) trans-1,3-Dichloropropene-	7.85	79	121191	44.58	ug/L	0.00
Spiked Amount	50.000	Range	60 - 125	Recovery	=	89.16%
47) 2-Hexanone-d5	8.31	63	237893	95.70	ug/L	0.00
Spiked Amount	100.000	Range	45 - 130	Recovery	=	95.70%
57) 1,1,2,2-Tetrachloroethane-	10.43	84	444869	45.05	ug/L	0.00
Spiked Amount	50.000	Range	65 - 120	Recovery	=	90.10%
64) 1,2-Dichlorobenzene-d4	11.86	152	336182	50.48	ug/L	0.00
Spiked Amount	50.000	Range	80 - 120	Recovery	=	100.96%

Target Compounds

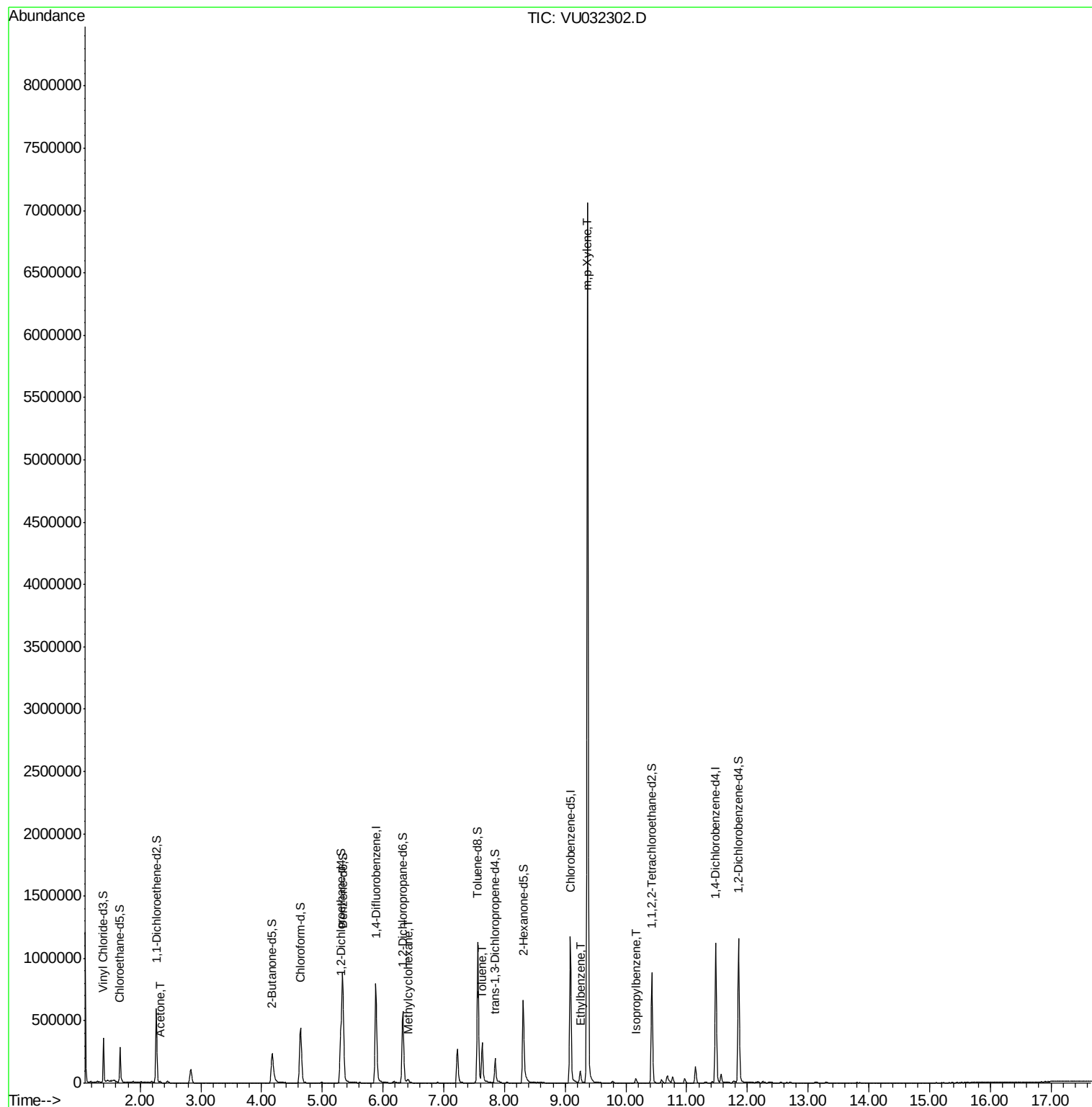
					Ovalue
13) Acetone	2.32	43	4703	1.560 ug/L	97
35) Methylcyclohexane	6.41	83	14107	2.256 ug/L #	88
42) Toluene	7.63	91	250366	11.396 ug/L	95
52) Ethylbenzene	9.25	91	72705	3.256 ug/L	99
53) m,p-Xylene	9.37	106	2110368	244.863 ug/L	100
56) Isopropylbenzene	10.17	105	23796	1.134 ug/L	98

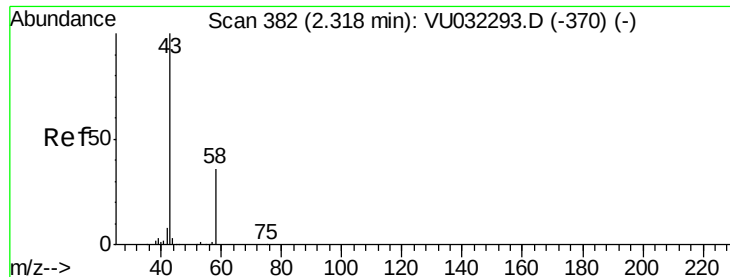
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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QLast Update : Fri May 24 23:32:32 2019
Response via : Initial Calibration





#13

Acetone

Concen: 1.560 ug/L

RT: 2.32 min Scan# 383

Delta R.T. 0.00 min

Lab File: VU032302.D

Acq: 24 May 2019 10:38

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MSVOA_U

ClientSampleId :

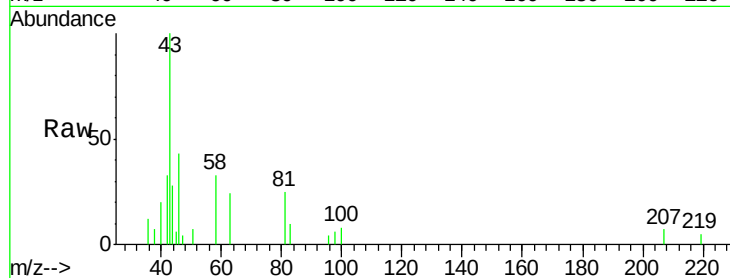
E3YF4

Tot Ion: 43 Resp: 4703

Ion Ratio Lower Upper

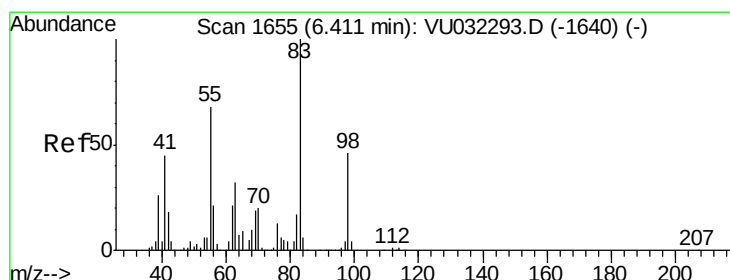
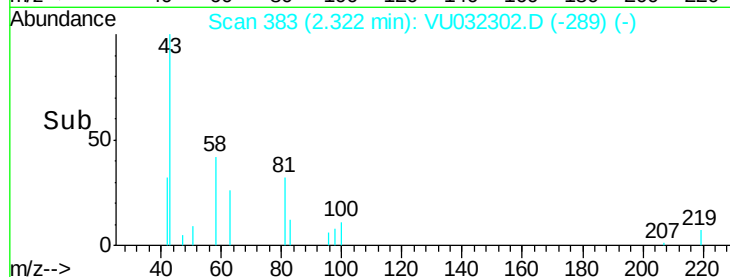
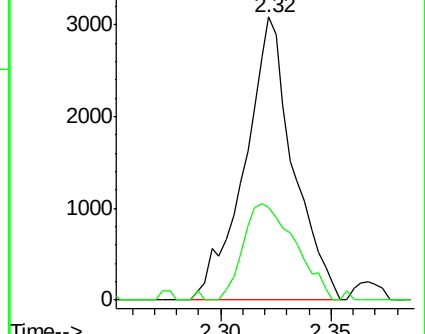
43 100

58 36.6 0.0 77.2



Abundance Ion 43.00 (42.70 to 43.70): VU032293.D (-370) (-)

Ion 58.00 (57.70 to 58.70): VU032293.D (-370) (-)



#35

Methylcyclohexane

Concen: 2.256 ug/L

RT: 6.41 min Scan# 1654

Delta R.T. -0.00 min

Lab File: VU032302.D

Acq: 24 May 2019 10:38

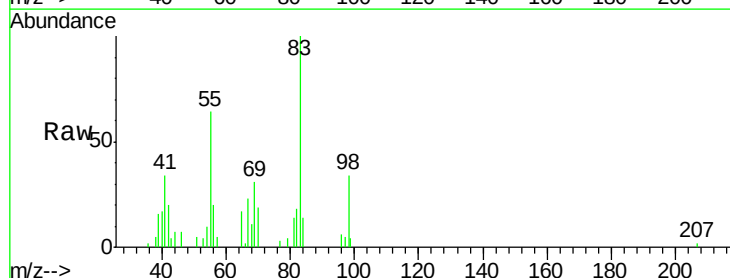
Tgt Ion: 83 Resp: 14107

Ion Ratio Lower Upper

83 100

55 61.5 56.1 84.1

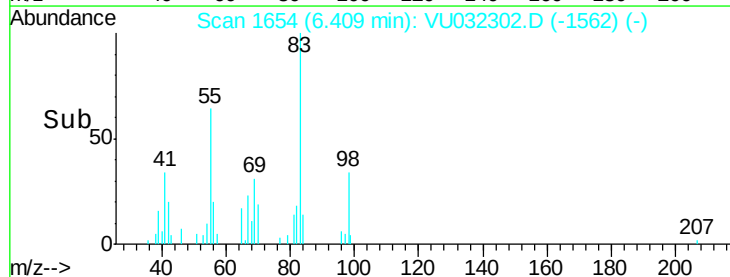
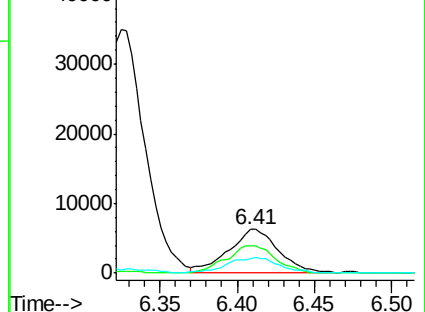
98 36.6 36.8 55.2#

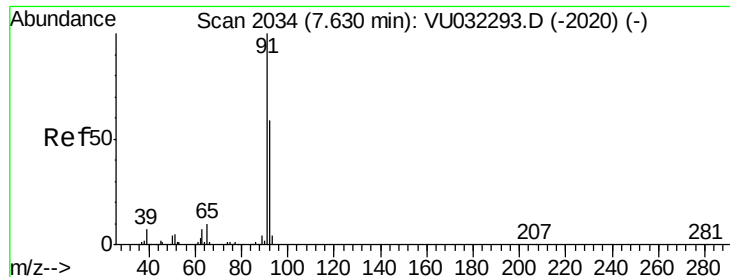


Abundance Ion 83.00 (82.70 to 83.70): VU032293.D (-1640) (-)

Ion 55.00 (54.70 to 55.70): VU032293.D (-1640) (-)

Ion 98.00 (97.70 to 98.70): VU032293.D (-1640) (-)





#42

Toluene

Concen: 11.396 ug/L

RT: 7.63 min Scan# 2035

Delta R.T. 0.00 min

Lab File: VU032302.D

Acq: 24 May 2019 10:38

Instrument :

MSVOA_U

ClientSampleId :

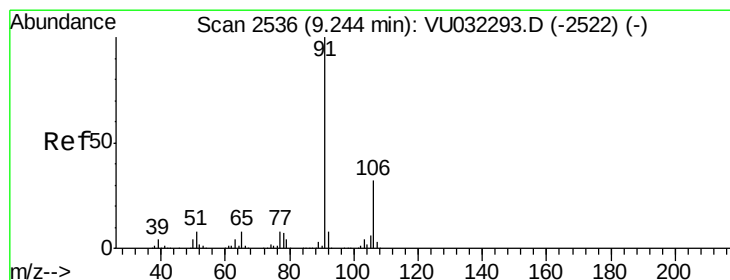
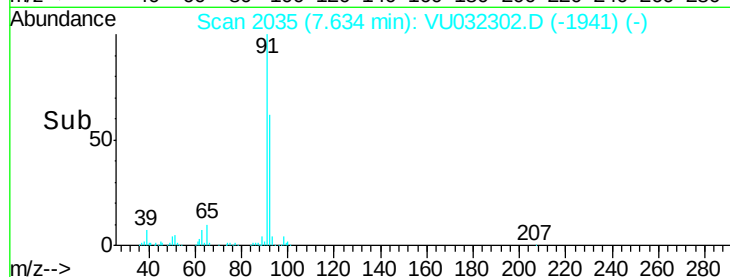
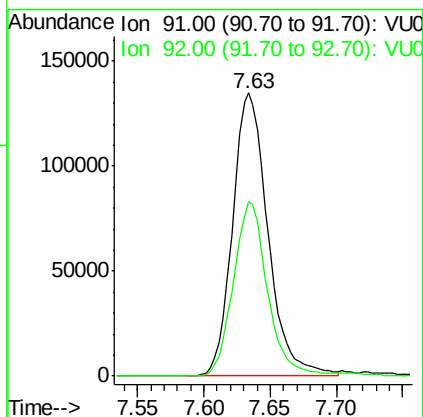
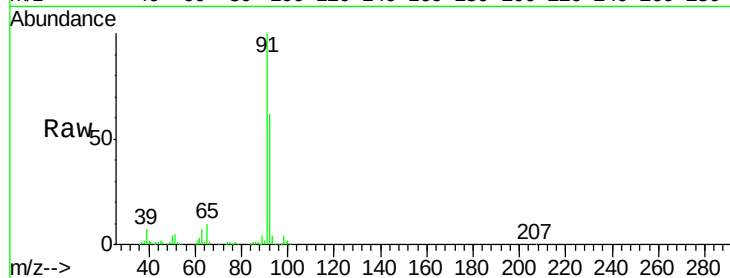
E3YF4

Tot Ion: 91 Resp: 250366

Ion Ratio Lower Upper

91 100

92 61.7 40.3 74.9



#52

Ethylbenzene

Concen: 3.256 ug/L

RT: 9.25 min Scan# 2537

Delta R.T. 0.00 min

Lab File: VU032302.D

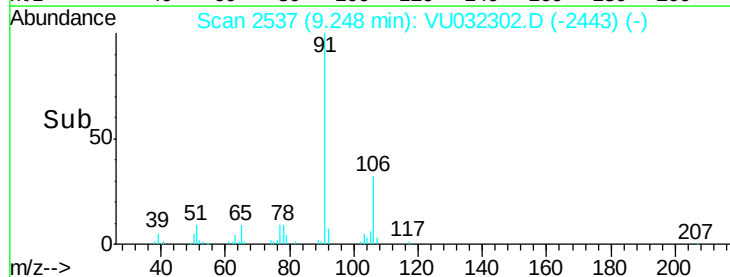
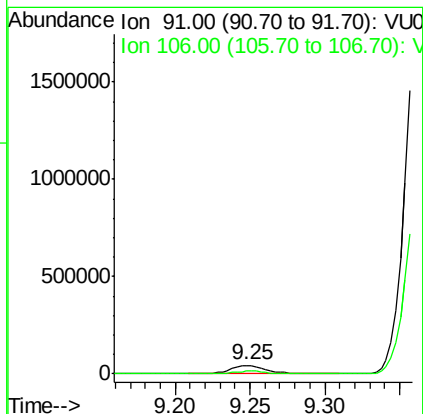
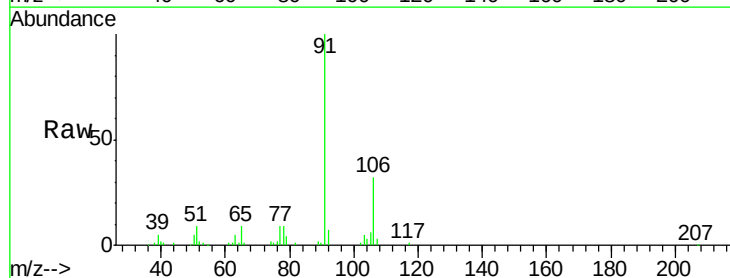
Acq: 24 May 2019 10:38

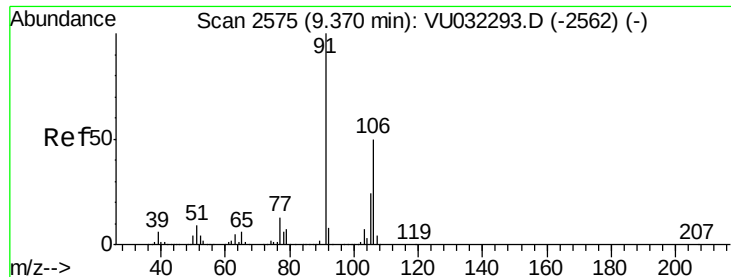
Tgt Ion: 91 Resp: 72705

Ion Ratio Lower Upper

91 100

106 32.3 22.0 41.0





#53

m,p-Xylene

Concen: 244.863 ug/L

RT: 9.37 min Scan# 2574

Delta R.T. -0.00 min

Lab File: VU032302.D

Acq: 24 May 2019 10:38

Instrument :

MSVOA_U

ClientSampleId :

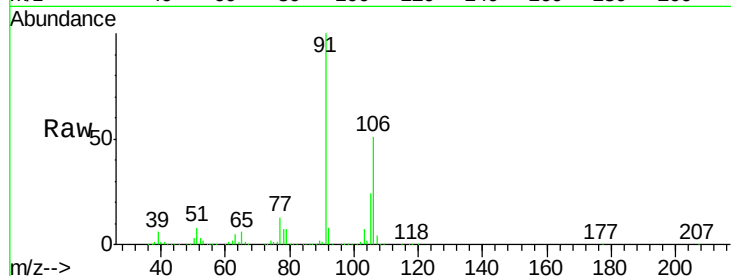
E3YF4

Tot Ion:106 Resp: 2110368

Ion Ratio Lower Upper

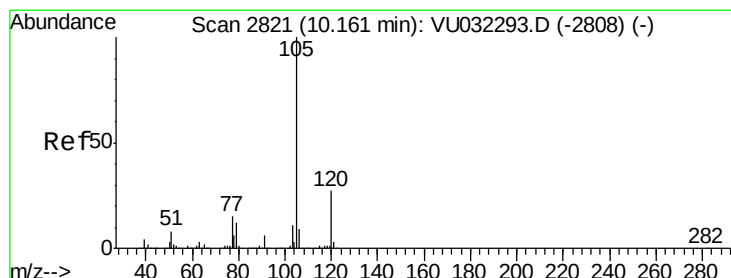
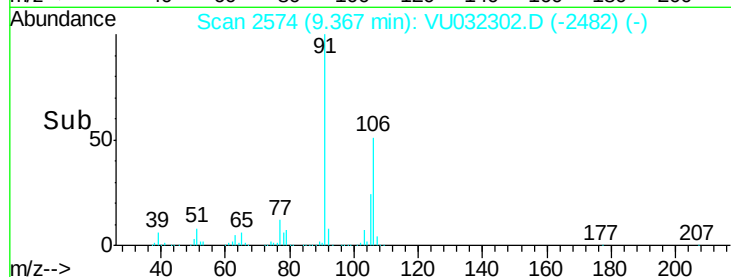
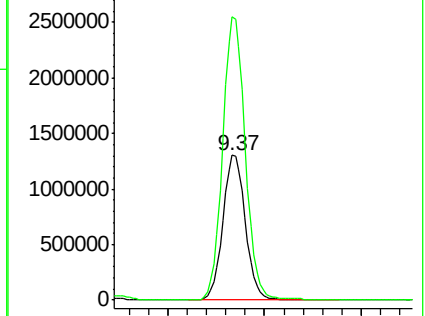
106 100

91 195.7 136.5 253.5



Abundance Ion 106.00 (105.70 to 106.70): V

Ion 91.00 (90.70 to 91.70): VU0



#56

Isopropylbenzene

Concen: 1.134 ug/L

RT: 10.17 min Scan# 2823

Delta R.T. 0.01 min

Lab File: VU032302.D

Acq: 24 May 2019 10:38

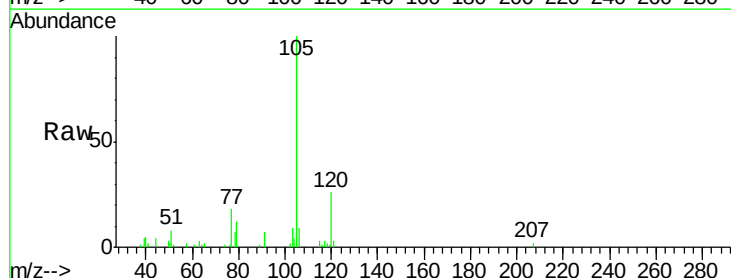
Tgt Ion:105 Resp: 23796

Ion Ratio Lower Upper

105 100

120 25.6 21.0 31.4

77 16.2 11.8 17.6



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

