

Data File : VU031529.D
Acq On : 26 Apr 2019 13:48
Operator : JC/SP
Sample : K2481-22ME 5X
Misc : 5.10g/5mL/100uL/5.0mL/MSVOA_U/MEOH
ALS Vial : 11 Sample Multiplier: 1

Instrument :
MSVOA_U
ClientSampleId :
GAHX5ME

Quant Time: Apr 27 00:23:38 2019
Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_U\METHOD\SOMULM042719WMA.M
Quant Title : VOC Analysis
QLast Update : Sat Apr 27 00:11:31 2019
Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Difluorobenzene	5.88	114	842407	50.00	ug/L	0.00
28) Chlorobenzene-d5	9.09	117	836374	50.00	ug/L	0.00
60) 1,4-Dichlorobenzene-d4	11.48	152	407359	50.00	ug/L	0.00

System Monitoring Compounds

4) Vinyl Chloride-d3	1.40	65	89319	12.67	ug/L	0.00
Spiked Amount	50.000	Range	60 - 135	Recovery	=	25.34%#
7) Chloroethane-d5	1.68	69	99015	18.17	ug/L	0.00
Spiked Amount	50.000	Range	70 - 130	Recovery	=	36.34%#
11) 1,1-Dichloroethene-d2	2.26	63	120603	8.59	ug/L	0.00
Spiked Amount	50.000	Range	60 - 125	Recovery	=	17.18%#
21) 2-Butanone-d5	4.20	46	605600	94.80	ug/L	0.00
Spiked Amount	100.000	Range	40 - 130	Recovery	=	94.80%
24) Chloroform-d	4.64	84	336118	26.03	ug/L	0.00
Spiked Amount	50.000	Range	70 - 125	Recovery	=	52.06%#
26) 1,2-Dichloroethane-d4	5.31	65	235632	27.93	ug/L	0.00
Spiked Amount	50.000	Range	70 - 125	Recovery	=	55.86%#
32) Benzene-d6	5.33	84	482082	18.77	ug/L	0.00
Spiked Amount	50.000	Range	70 - 125	Recovery	=	37.54%#
36) 1,2-Dichloropropane-d6	6.33	67	232811	25.77	ug/L	0.00
Spiked Amount	50.000	Range	70 - 120	Recovery	=	51.54%#
41) Toluene-d8	7.56	98	357043	15.96	ug/L	0.00
Spiked Amount	50.000	Range	80 - 120	Recovery	=	31.92%#
43) trans-1,3-Dichloropropene-	7.85	79	105926	27.31	ug/L	0.00
Spiked Amount	50.000	Range	60 - 125	Recovery	=	54.62%#
47) 2-Hexanone-d5	8.32	63	387003	98.95	ug/L	0.00
Spiked Amount	100.000	Range	45 - 130	Recovery	=	98.95%
57) 1,1,2,2-Tetrachloroethane-	10.43	84	496468	40.94	ug/L	0.00
Spiked Amount	50.000	Range	65 - 120	Recovery	=	81.88%
64) 1,2-Dichlorobenzene-d4	11.86	152	286969	33.50	ug/L	0.00
Spiked Amount	50.000	Range	80 - 120	Recovery	=	67.00%#

Target Compounds

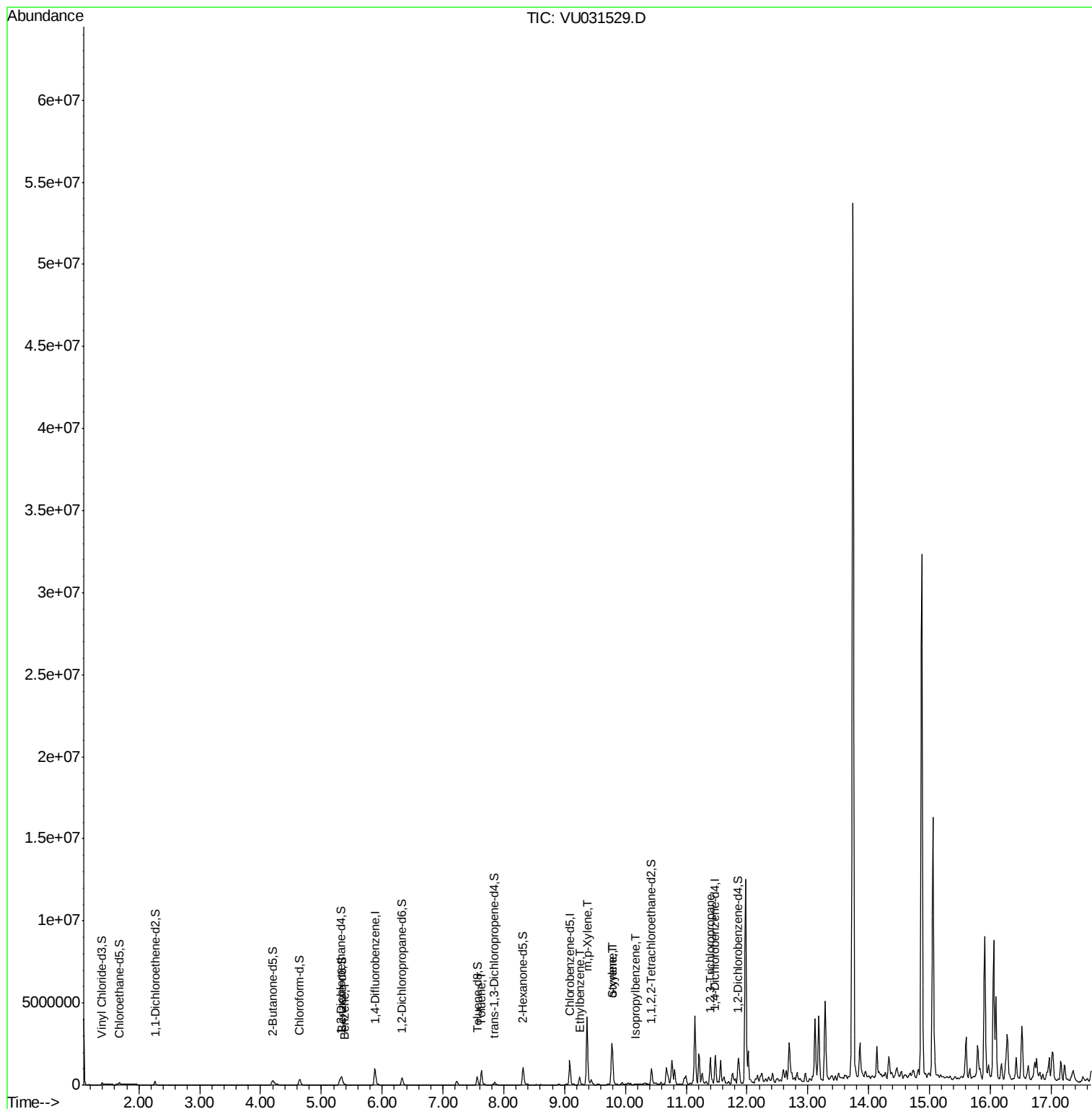
					Qvalue
33) Benzene	5.39	78	16556	0.538 ug/L	100
42) Toluene	7.63	91	708195	23.120 ug/L	100
52) Ethylbenzene	9.25	91	345244	10.866 ug/L	98
53) m,p-Xylene	9.37	106	1125297	101.648 ug/L	99
54) o-xylene	9.77	106	496684	45.255 ug/L	91
55) Styrene	9.79	104	649231	34.624 ug/L	100
56) Isopropylbenzene	10.17	105	30559	1.059 ug/L #	95
59) 1,2,3-Trichloropropane	11.40	75	8178	0.790 ug/L	96

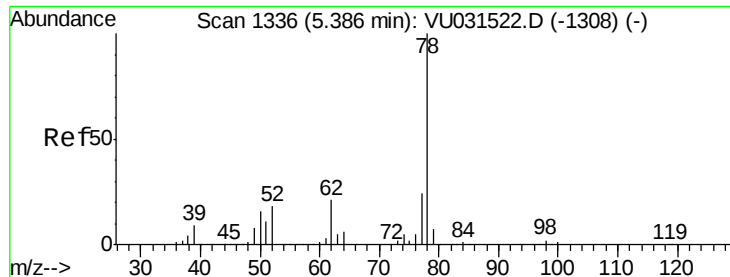
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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Response via : Initial Calibration





#33

Benzene

Concen: 0.538 ug/L

RT: 5.39 min Scan# 1337

Delta R.T. 0.00 min

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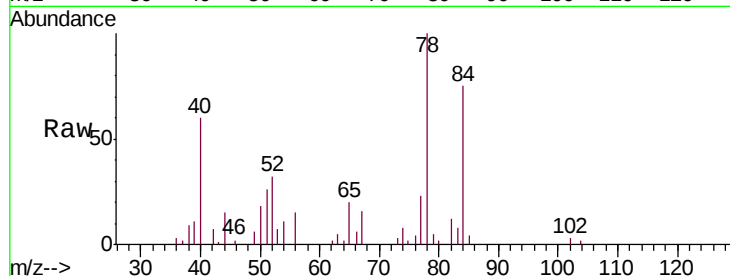
Instrument :

MSVOA_U

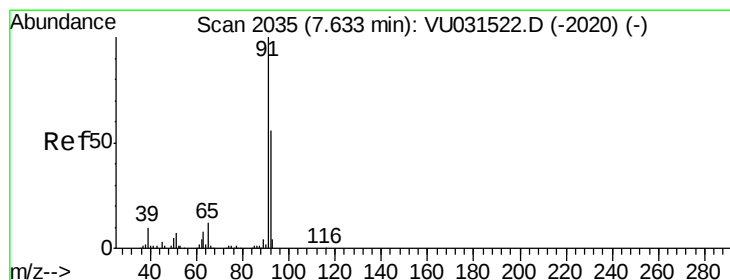
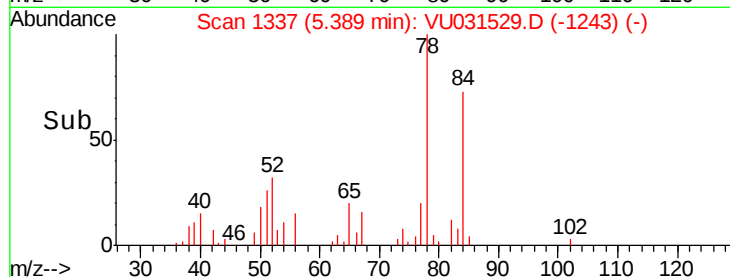
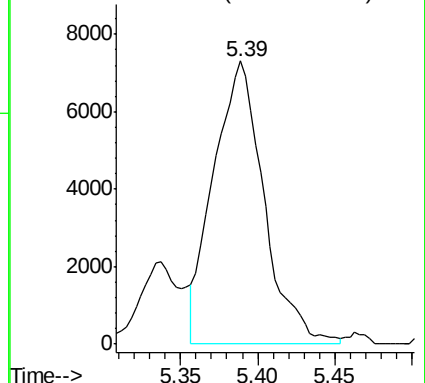
ClientSampleId :

GAHX5ME

Tgt Ion: 78 Resp: 16556



Abundance Ion 78.00 (77.70 to 78.70): VU0



#42

Toluene

Concen: 23.120 ug/L

RT: 7.63 min Scan# 2035

Delta R.T. 0.00 min

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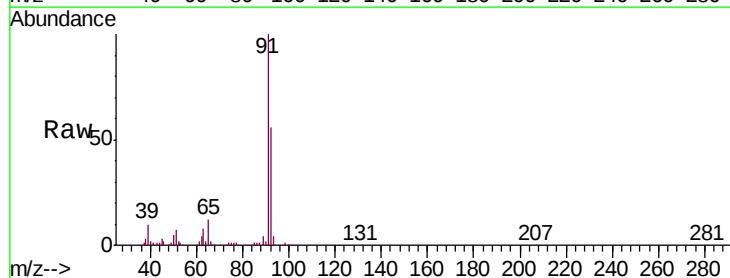
Acq: 26 Apr 2019 13:48

Tgt Ion: 91 Resp: 708195

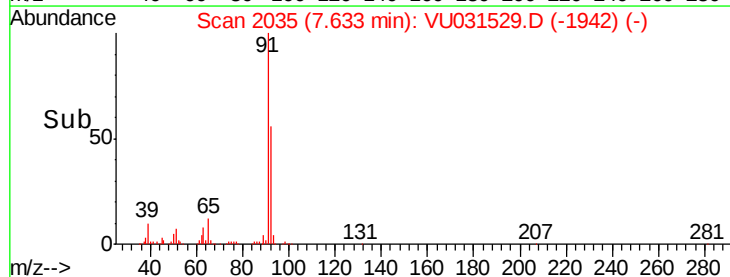
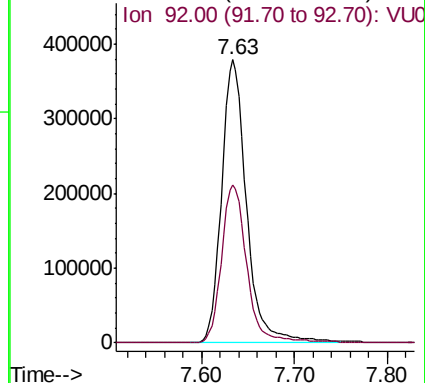
Ion Ratio Lower Upper

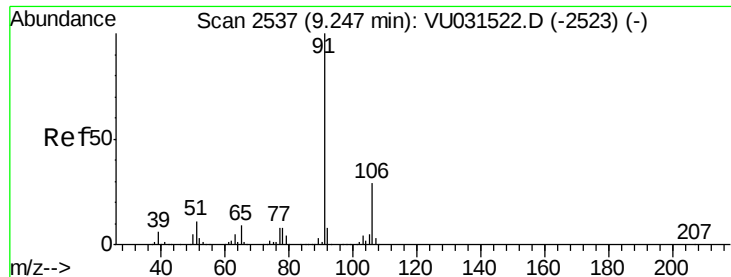
91 100

92 56.0 39.0 72.4



Abundance Ion 91.00 (90.70 to 91.70): VU0





#52

Ethylbenzene

Concen: 10.866 ug/L

RT: 9.25 min Scan# 2537

Delta R.T. 0.00 min

Lab File: VU031529.D

Acq: 26 Apr 2019 13:48

Instrument :

MSVOA_U

ClientSampleId :

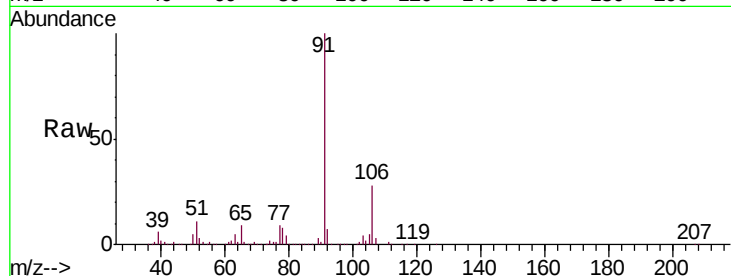
GAHX5ME

Tgt Ion: 91 Resp: 345244

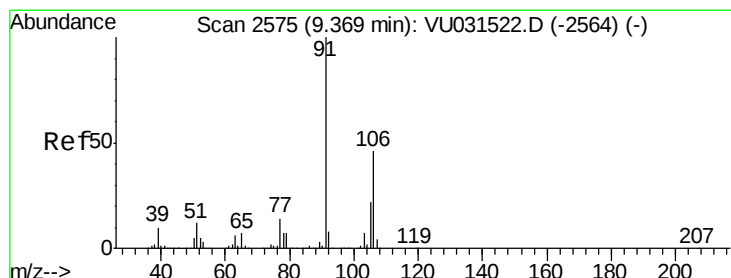
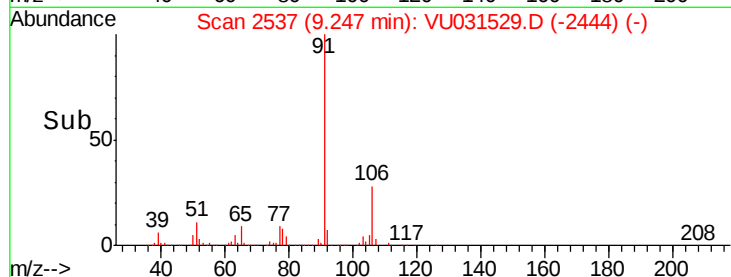
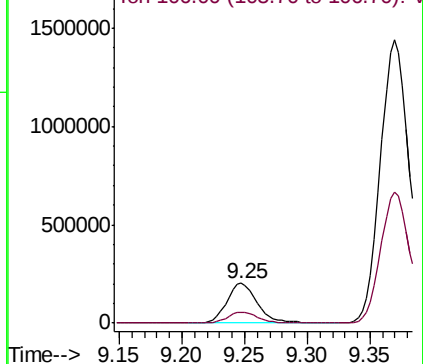
Ion Ratio Lower Upper

91 100

106 27.8 20.4 37.8



Abundance Ion 91.00 (90.70 to 91.70): VU031522.D (-2523) (-)



#53

m,p-Xylene

Concen: 101.648 ug/L

RT: 9.37 min Scan# 2575

Delta R.T. 0.00 min

Lab File: VU031529.D

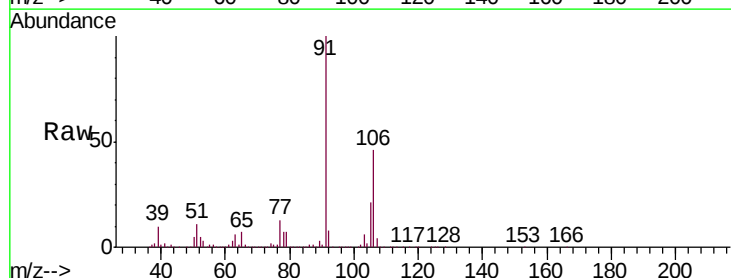
Acq: 26 Apr 2019 13:48

Tgt Ion: 106 Resp: 1125297

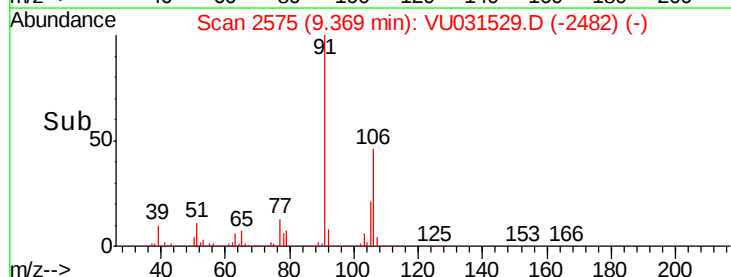
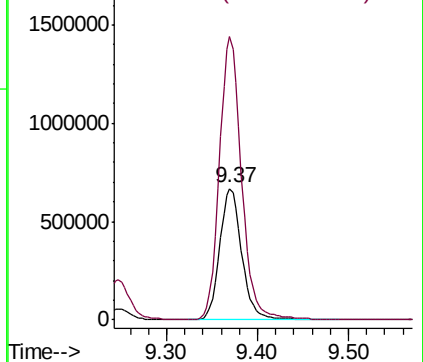
Ion Ratio Lower Upper

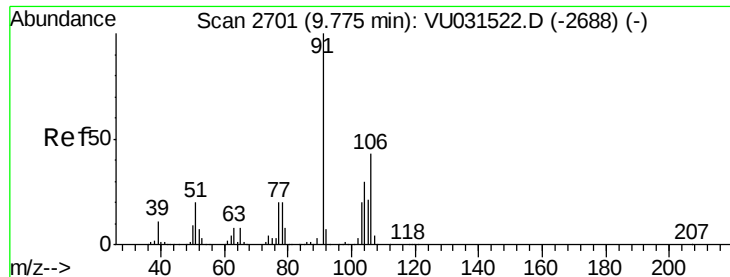
106 100

91 215.6 152.2 282.6



Abundance Ion 106.00 (105.70 to 106.70): VU031522.D (-2564) (-)





#54

o-xylene

Concen: 45.255 ug/L

RT: 9.77 min Scan# 2701

Delta R.T. -0.00 min

Lab File: VU031529.D

Acq: 26 Apr 2019 13:48

Instrument :

MSVOA_U

ClientSampleId :

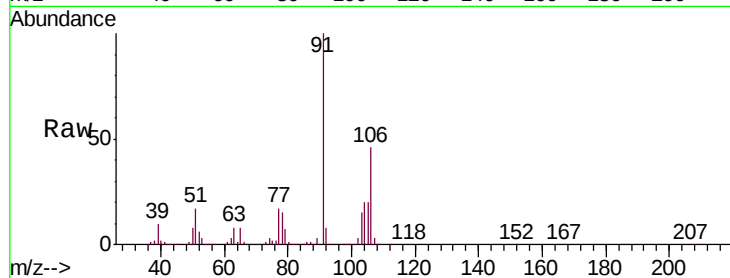
GAHX5ME

Tgt Ion:106 Resp: 496684

Ion Ratio Lower Upper

106 100

91 217.5 163.2 303.2



Abundance Ion 106.00 (105.70 to 106.70): V

Ion 91.00 (90.70 to 91.70): VU0

800000

600000

400000

200000

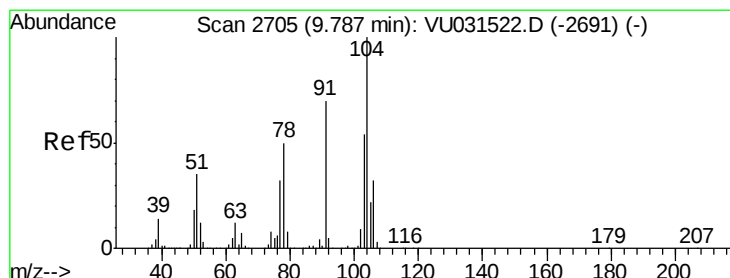
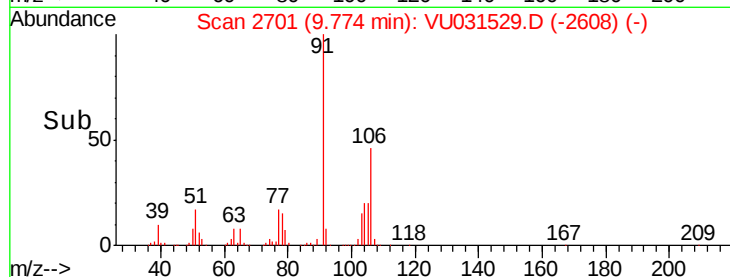
0

9.77

9.80

9.90

Time-->



#55

Styrene

Concen: 34.624 ug/L

RT: 9.79 min Scan# 2706

Delta R.T. 0.00 min

Lab File: VU031529.D

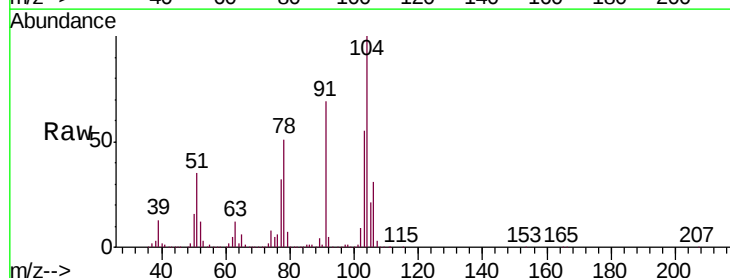
Acq: 26 Apr 2019 13:48

Tgt Ion:104 Resp: 649231

Ion Ratio Lower Upper

104 100

78 50.5 35.4 65.7



Abundance Ion 104.00 (103.70 to 104.70): V

Ion 78.00 (77.70 to 78.70): VU0

400000

300000

200000

100000

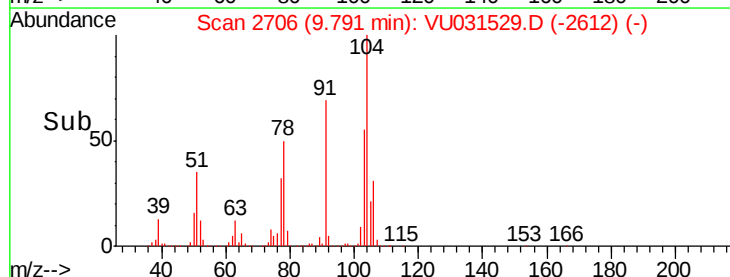
0

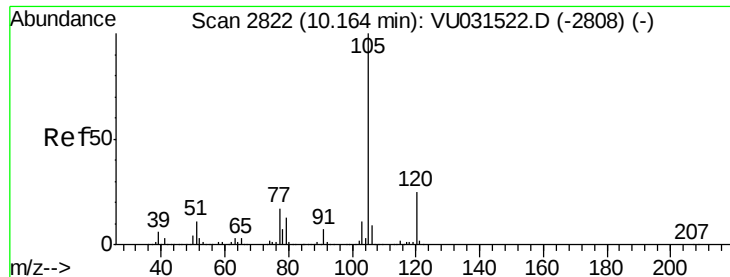
9.79

9.80

9.90

Time-->





#56

Isopropylbenzene

Concen: 1.059 ug/L

RT: 10.17 min Scan# 2823

Delta R.T. 0.00 min

Lab File: VU031529.D

Acq: 26 Apr 2019 13:48

Instrument :

MSVOA_U

ClientSampleId :

GAHX5ME

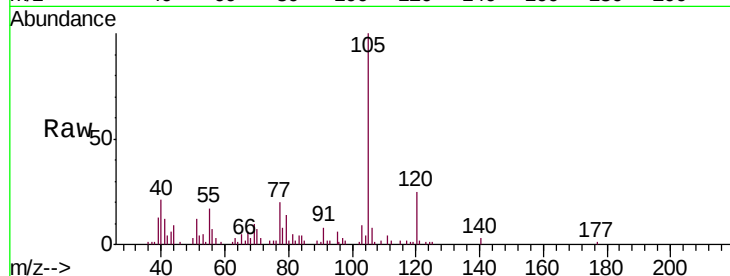
Tgt Ion:105 Resp: 30559

Ion Ratio Lower Upper

105 100

120 25.9 20.1 30.1

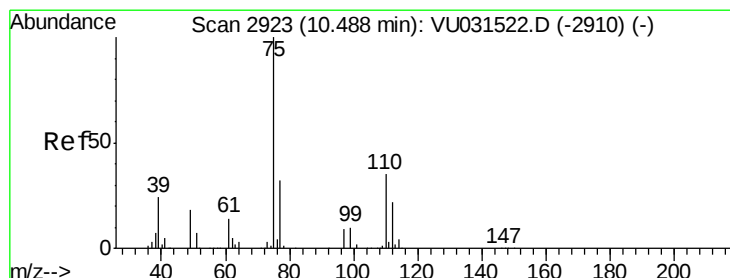
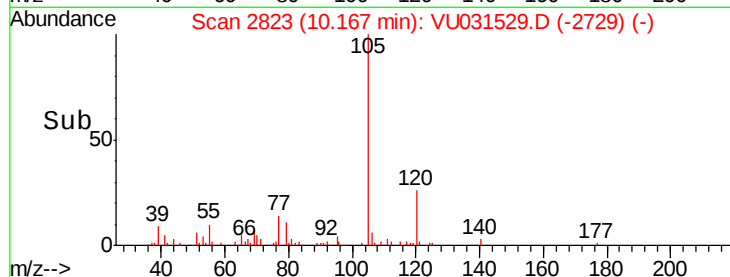
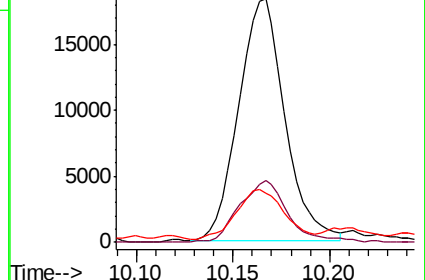
77 21.0 13.8 20.6#



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): VU



#59

1,2,3-Trichloropropane

Concen: 0.790 ug/L

RT: 11.40 min Scan# 3207

Delta R.T. 0.91 min

Lab File: VU031529.D

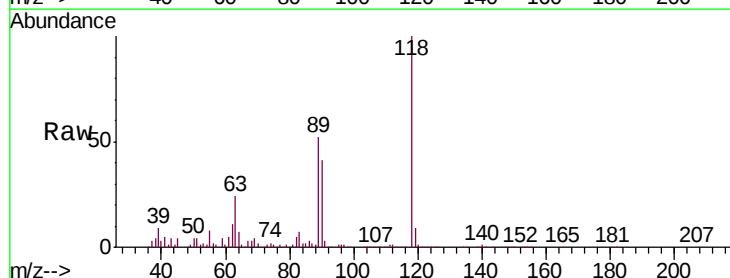
Acq: 26 Apr 2019 13:48

Tgt Ion: 75 Resp: 8178

Ion Ratio Lower Upper

75 100

77 34.9 25.9 38.9



Abundance Ion 75.00 (74.70 to 75.70): VU

Ion 77.00 (76.70 to 77.70): VU

