

Data File : VV010675.D
Acq On : 06 May 2019 13:51
Operator : SY/MD
Sample : K2603-22
Misc : 5.06G/10ML/MSVOA_V/SOIL
ALS Vial : 1 Sample Multiplier: 1

Quant Time: May 07 04:05:23 2019
Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_V\METHOD\SOM2VLM050219S.M
Quant Title : VOC Analysis
QLast Update : Tue May 07 04:01:38 2019
Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Difluorobenzene	5.66	114	219536	25.00	ug/L	0.00
28) Chlorobenzene-d5	8.89	117	201559	25.00	ug/L	0.00
60) 1,4-Dichlorobenzene-d4	11.29	152	88276	25.00	ug/L	0.00

System Monitoring Compounds

4) Vinyl Chloride-d3	1.32	65	39090	14.06	ug/L	0.00
Spiked Amount	25.000	Range	30 - 150	Recovery	=	56.24%
7) Chloroethane-d5	1.58	69	31761	16.32	ug/L	0.02
Spiked Amount	25.000	Range	30 - 150	Recovery	=	65.28%
10) 1,1-Dichloroethene-d2	2.13	63	60189	12.35	ug/L	0.00
Spiked Amount	25.000	Range	45 - 110	Recovery	=	49.40%
20) 2-Butanone-d5	3.93	46	19570	23.14	ug/L	0.00
Spiked Amount	50.000	Range	20 - 135	Recovery	=	46.28%
24) Chloroform-d	4.40	84	102160	18.02	ug/L	0.00
Spiked Amount	25.000	Range	40 - 150	Recovery	=	72.08%
26) 1,2-Dichloroethane-d4	5.08	65	53576	16.49	ug/L	0.00
Spiked Amount	25.000	Range	70 - 130	Recovery	=	65.96%#
29) Benzene-d6	5.10	84	232297	22.24	ug/L	0.00
Spiked Amount	25.000	Range	20 - 135	Recovery	=	88.96%
33) 1,2-Dichloropropane-d6	6.12	67	69944	21.86	ug/L	0.00
Spiked Amount	25.000	Range	70 - 120	Recovery	=	87.44%
37) Toluene-d8	7.36	98	224719	22.39	ug/L	0.00
Spiked Amount	25.000	Range	30 - 130	Recovery	=	89.56%
38) trans-1,3-Dichloropropene-	7.66	79	23305	17.62	ug/L	0.00
Spiked Amount	25.000	Range	30 - 135	Recovery	=	70.48%
39) 2-Hexanone-d5	8.13	63	17510	30.74	ug/L	0.00
Spiked Amount	50.000	Range	20 - 135	Recovery	=	61.48%
48) 1,1,2,2-Tetrachloroethane-	10.26	84	45182	15.67	ug/L	0.00
Spiked Amount	25.000	Range	45 - 120	Recovery	=	62.68%
61) 1,2-Dichlorobenzene-d4	11.67	152	74864	22.04	ug/L	0.00
Spiked Amount	25.000	Range	75 - 120	Recovery	=	88.16%

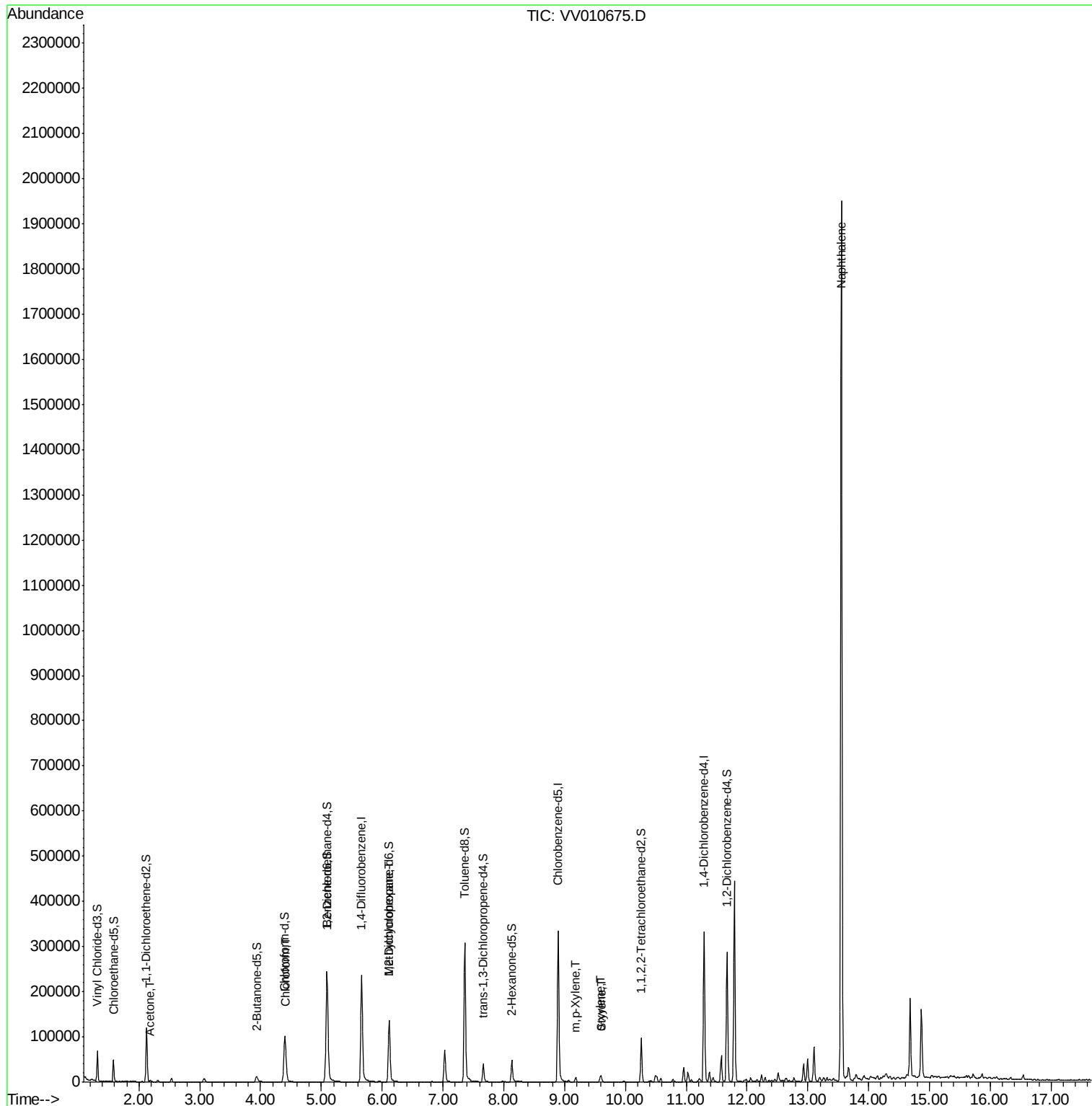
Target Compounds

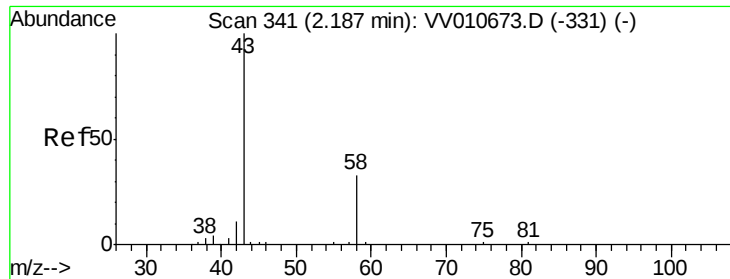
						Qvalue
13) Acetone	2.19	43	1735	2.393	ug/L	96
25) Chloroform	4.42	83	12941	2.390	ug/L	93
36) Methylcyclohexane	6.12	83	15749	4.011	ug/L #	19
54) m,p-Xylene	9.18	106	3265	0.716	ug/L	96
55) o-xylene	9.59	106	3068	0.689	ug/L	85
56) Styrene	9.61	104	4378	0.579	ug/L	95
69) Naphthalene	13.55	128	1509142	267.461	ug/L	99

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

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#13

Acetone

Concen: 2.393 ug/L

RT: 2.19 min Scan# 342

Delta R.T. 0.00 min

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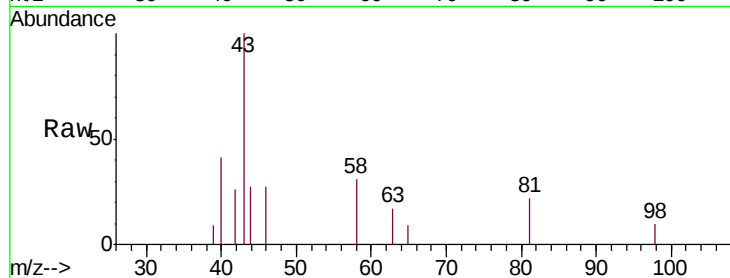
Acq: 06 May 2019 13:51

Tgt Ion: 43 Resp: 1735

Ion Ratio Lower Upper

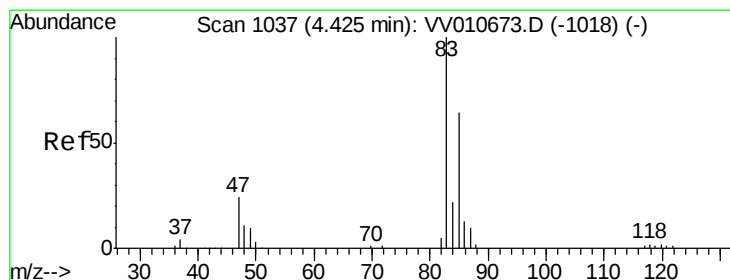
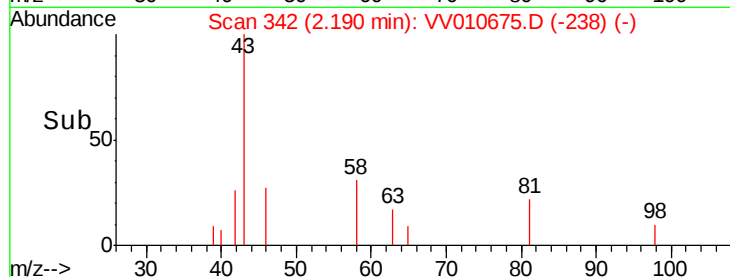
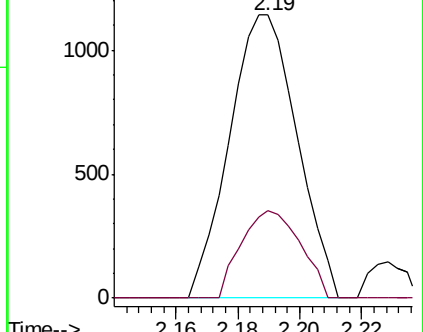
43 100

58 27.0 0.0 58.2



Abundance Ion 43.00 (42.70 to 43.70): VV010673.D (-331) (-)

Ion 58.00 (57.70 to 58.70): VV010673.D (-331) (-)



#25

Chloroform

Concen: 2.390 ug/L

RT: 4.42 min Scan# 1037

Delta R.T. -0.00 min

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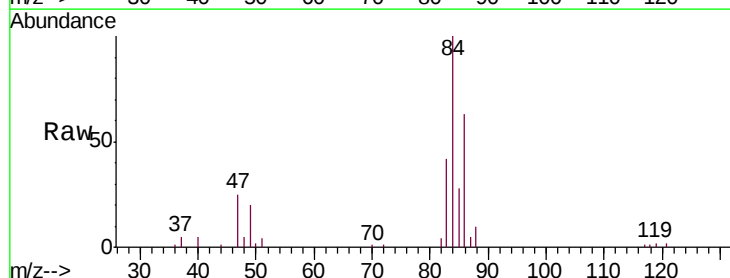
Acq: 06 May 2019 13:51

Tgt Ion: 83 Resp: 12941

Ion Ratio Lower Upper

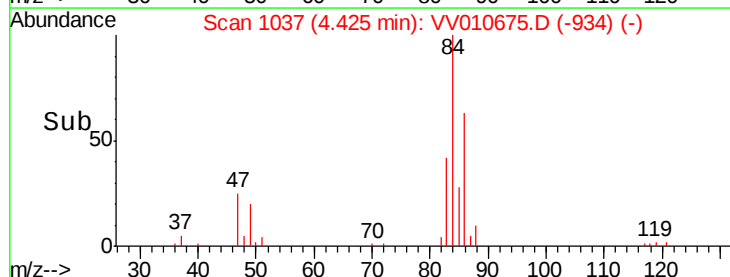
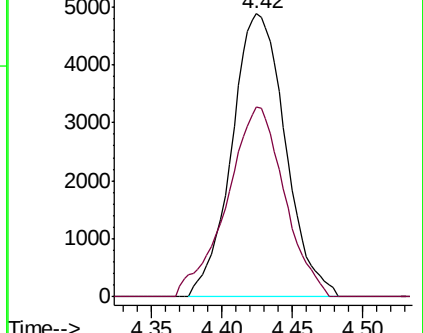
83 100

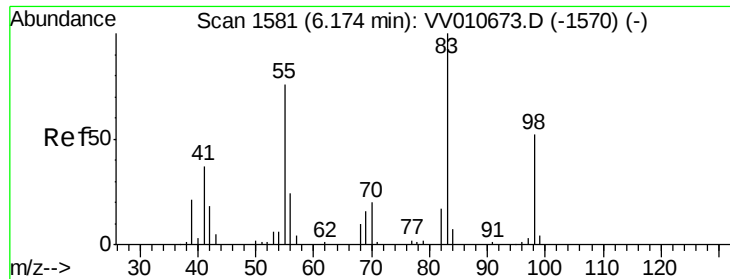
85 71.8 46.3 86.1



Abundance Ion 83.00 (82.70 to 83.70): VV010673.D (-1018) (-)

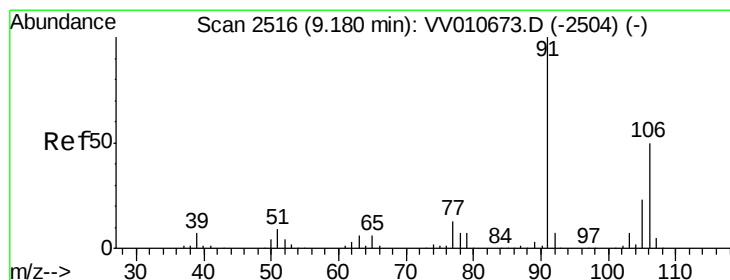
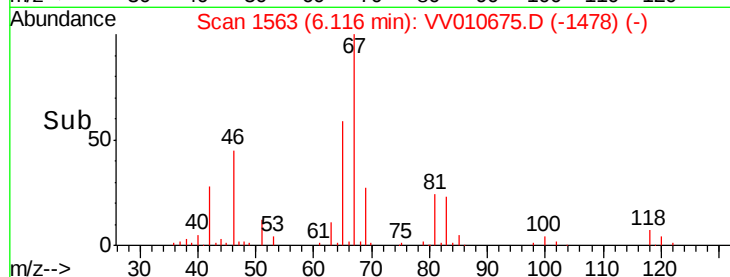
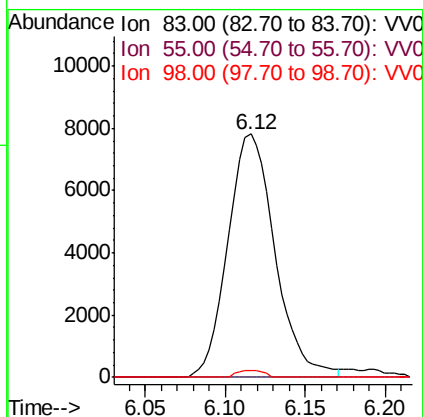
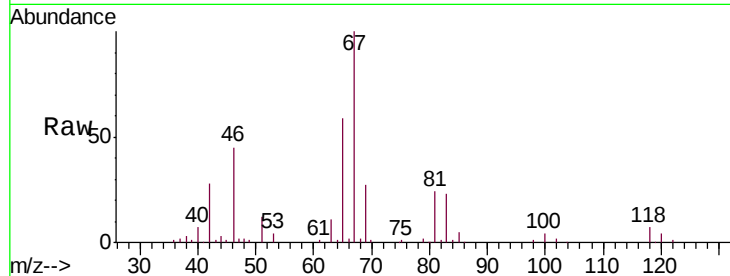
Ion 85.00 (84.70 to 85.70): VV010673.D (-1018) (-)





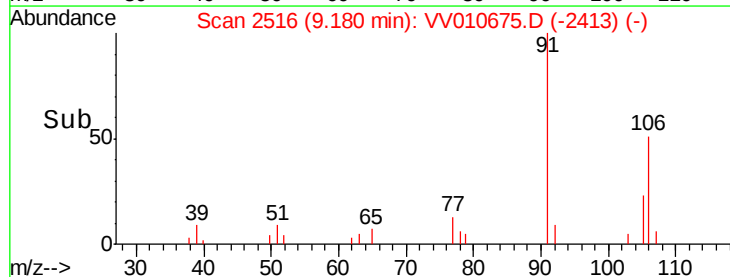
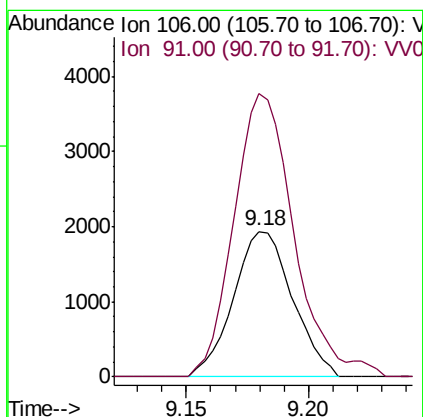
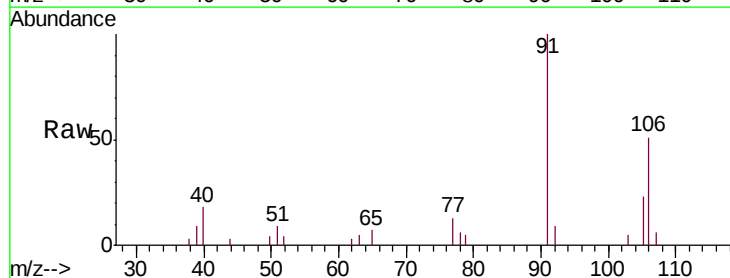
#36
Methylcyclohexane
Concen: 4.011 ug/L
RT: 6.12 min Scan# 1563
Delta R.T. -0.06 min
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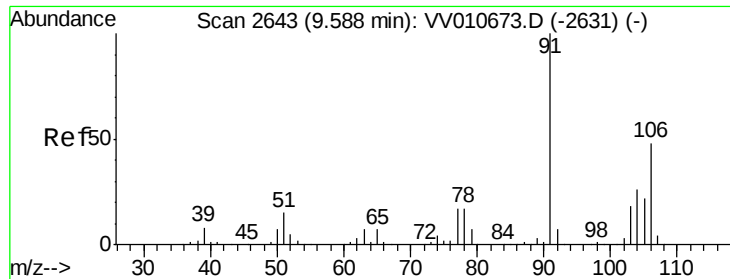
Tgt Ion: 83 Resp: 15749
Ion Ratio Lower Upper
83 100
55 0.0 61.4 92.0#
98 1.5 37.4 56.2#



#54
m,p-Xylene
Concen: 0.716 ug/L
RT: 9.18 min Scan# 2516
Delta R.T. -0.00 min
Lab File: VV010675.D
Acq: 06 May 2019 13:51

Tgt Ion: 106 Resp: 3265
Ion Ratio Lower Upper
106 100
91 194.3 140.4 260.8





#55

o-xylene

Concen: 0.689 ug/L

RT: 9.59 min Scan# 2642

Delta R.T. -0.00 min

Lab File: VV010675.D

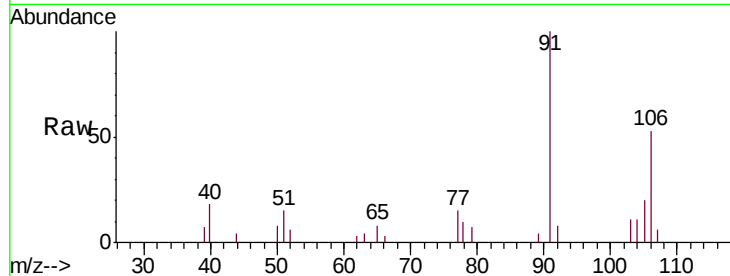
Acq: 06 May 2019 13:51

Tgt Ion:106 Resp: 3068

Ion Ratio Lower Upper

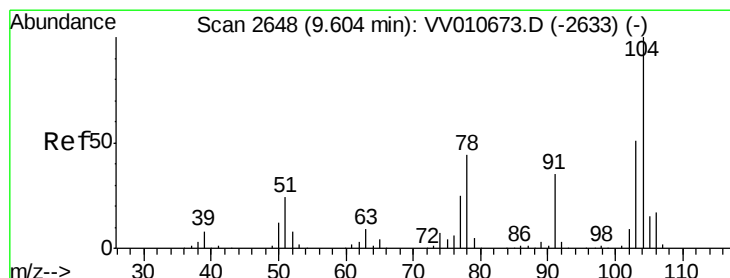
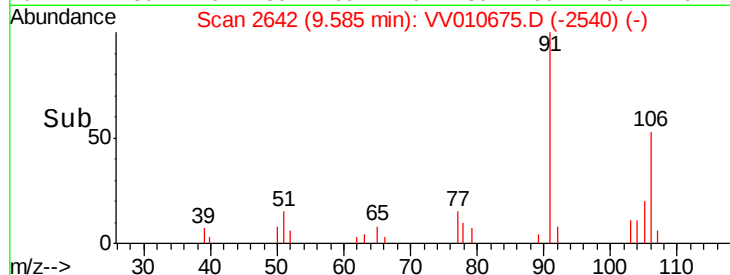
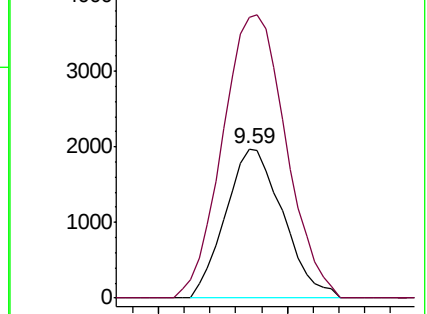
106 100

91 187.5 147.3 273.5



Abundance Ion 106.00 (105.70 to 106.70): V

Ion 91.00 (90.70 to 91.70): VV0



#56

Styrene

Concen: 0.579 ug/L

RT: 9.61 min Scan# 2649

Delta R.T. 0.00 min

Lab File: VV010675.D

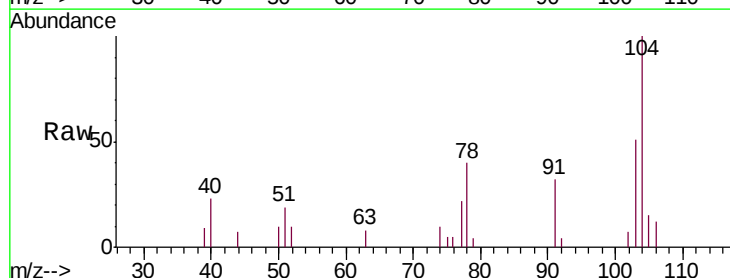
Acq: 06 May 2019 13:51

Tgt Ion:104 Resp: 4378

Ion Ratio Lower Upper

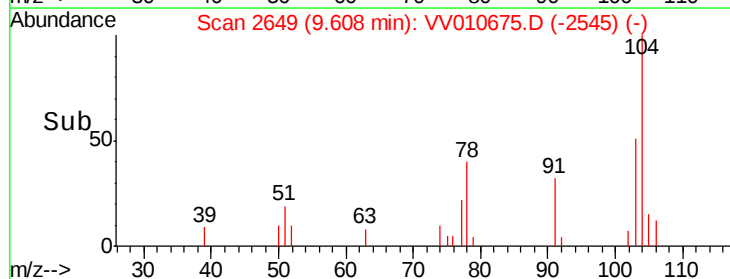
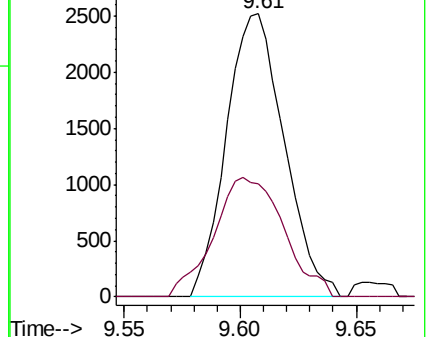
104 100

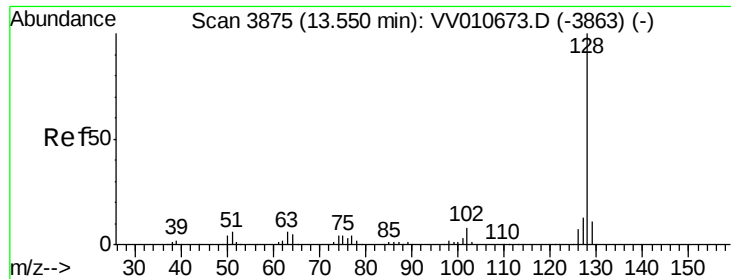
78 40.0 30.4 56.5



Abundance Ion 104.00 (103.70 to 104.70): V

Ion 78.00 (77.70 to 78.70): VV0





#69

Naphthalene

Concen: 267.461 ug/L

RT: 13.55 min Scan# 3875

Delta R.T. -0.00 min

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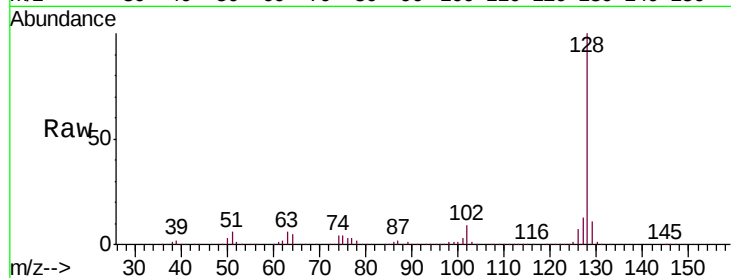
Tgt Ion:128 Resp: 1509142

Ion Ratio Lower Upper

128 100

129 10.9 8.6 13.0

127 12.9 10.6 15.8



Abundance Ion 128.00 (127.70 to 128.70): V

Ion 129.00 (128.70 to 129.70): V

Ion 127.00 (126.70 to 127.70): V

