

Data Path : Z:\VOASRV\HPCHEM1\MSVOA V\DATA\VV050719\
 Data File : VV010728.D
 Acq On : 08 May 2019 15:09
 Operator : SY/MD
 Sample : K2633-10
 Misc : 5.10G/10ML/MSVOA V/SOIL
 ALS Vial : 1 Sample Multiplier: 1

Instrument :
 MSVOA_V
 ClientSampleId :
 GAJA2

Quant Time: May 09 03:06:54 2019
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_V\METHOD\SOM2VLM050719S.M
 Quant Title : VOC Analysis
 QLast Update : Thu May 09 02:55:09 2019
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Difluorobenzene	5.66	114	18920	25.00	ug/L	0.00
28) Chlorobenzene-d5	8.89	117	16706	25.00	ug/L	0.00
60) 1,4-Dichlorobenzene-d4	11.29	152	6248	25.00	ug/L	0.00

System Monitoring Compounds

4) Vinyl Chloride-d3	1.32	65	8904	30.29	ug/L	0.00
Spiked Amount	25.000	Range	30 - 150	Recovery	=	121.16%
7) Chloroethane-d5	1.58	69	8530	35.27	ug/L	0.02
Spiked Amount	25.000	Range	30 - 150	Recovery	=	141.08%
10) 1,1-Dichloroethene-d2	2.13	63	14221	22.31	ug/L	0.00
Spiked Amount	25.000	Range	45 - 110	Recovery	=	89.24%
20) 2-Butanone-d5	3.94	46	4395	49.83	ug/L	0.00
Spiked Amount	50.000	Range	20 - 135	Recovery	=	99.66%
24) Chloroform-d	4.40	84	13815	26.78	ug/L	0.00
Spiked Amount	25.000	Range	40 - 150	Recovery	=	107.12%
26) 1,2-Dichloroethane-d4	5.08	65	8915	27.67	ug/L	0.00
Spiked Amount	25.000	Range	70 - 130	Recovery	=	110.68%
29) Benzene-d6	5.10	84	26288	29.90	ug/L	0.00
Spiked Amount	25.000	Range	20 - 135	Recovery	=	119.60%
33) 1,2-Dichloropropane-d6	6.12	67	8315	29.68	ug/L	0.00
Spiked Amount	25.000	Range	70 - 120	Recovery	=	118.72%
37) Toluene-d8	7.36	98	22038	26.17	ug/L	0.00
Spiked Amount	25.000	Range	30 - 130	Recovery	=	104.68%
38) trans-1,3-Dichloropropene-	7.67	79	2825	22.12	ug/L	0.00
Spiked Amount	25.000	Range	30 - 135	Recovery	=	88.48%
39) 2-Hexanone-d5	8.14	63	2603	44.40	ug/L	0.00
Spiked Amount	50.000	Range	20 - 135	Recovery	=	88.80%
48) 1,1,2,2-Tetrachloroethane-	10.26	84	6288	23.88	ug/L	0.00
Spiked Amount	25.000	Range	45 - 120	Recovery	=	95.52%
61) 1,2-Dichlorobenzene-d4	11.67	152	6783	28.03	ug/L	0.00
Spiked Amount	25.000	Range	75 - 120	Recovery	=	112.12%

Target Compounds

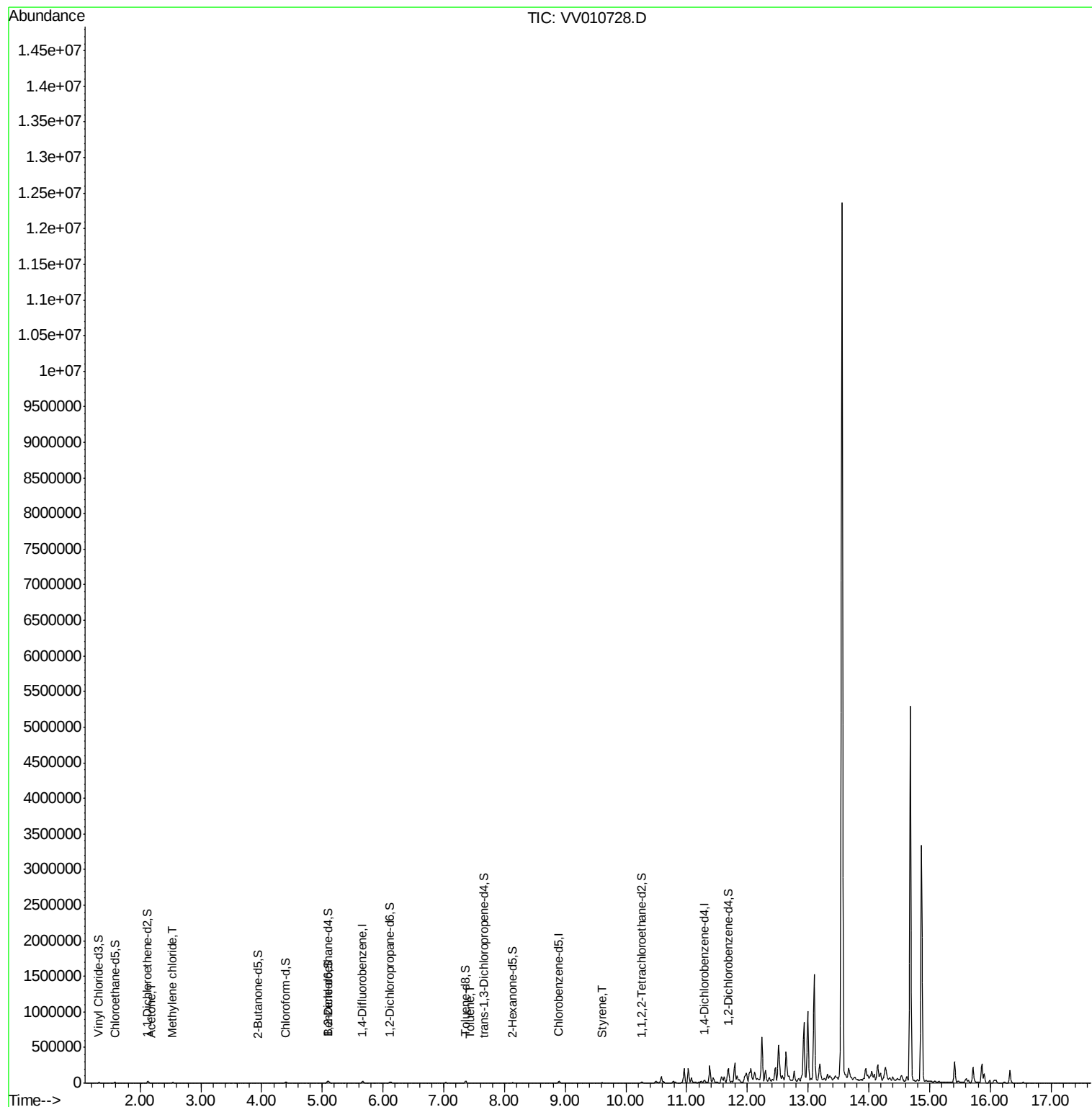
					Ovalue
13) Acetone	2.19	43	1531	11.212 ug/L	82
16) Methylene chloride	2.53	84	3583	12.248 ug/L	91
44) Toluene	7.44	91	955	0.857 ug/L #	66
56) Styrene	9.60	104	3025	3.737 ug/L	96

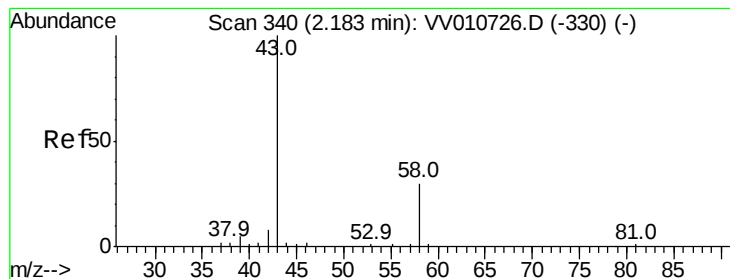
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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#13

Acetone

Concen: 11.212 ug/L

RT: 2.19 min Scan# 342

Delta R.T. 0.01 min

Lab File: VV010728.D

Acq: 08 May 2019 15:09

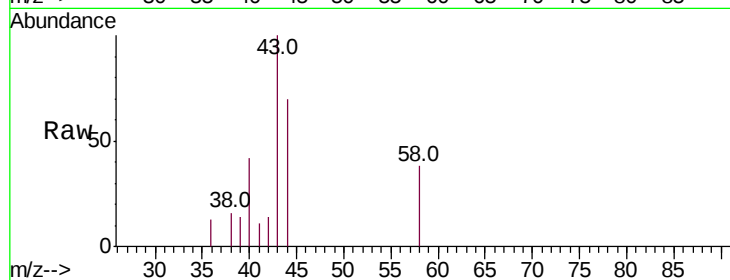
Instrument :
MSVOA_V
ClientSampled :
GAJA2

Tot Ion: 43 Resp: 1531

Ion Ratio Lower Upper

43 100

58 21.6 0.0 63.4



Abundance Ion 43.00 (42.70 to 43.70): VV010728.D (-342) (-)

Ion 58.00 (57.70 to 58.70): VV010728.D (-342) (-)

2.19

1000

800

600

400

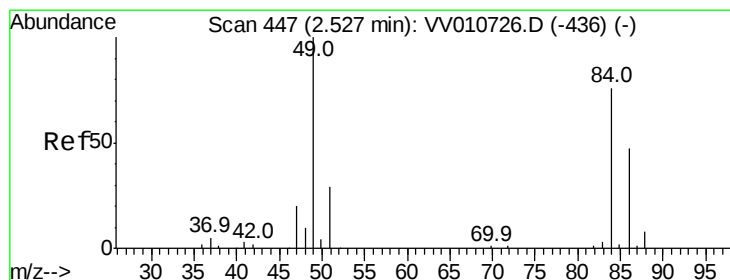
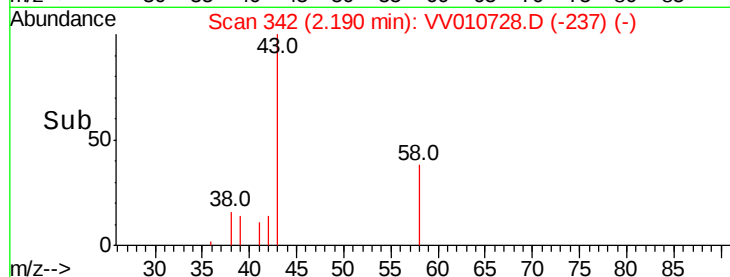
200

0

Time-->

2.15

2.20



#16

Methylene chloride

Concen: 12.248 ug/L

RT: 2.53 min Scan# 449

Delta R.T. 0.01 min

Lab File: VV010728.D

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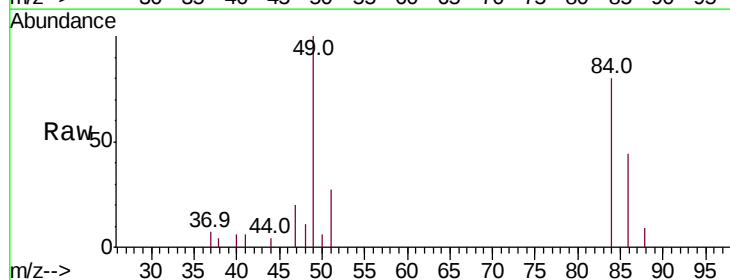
Tgt Ion: 84 Resp: 3583

Ion Ratio Lower Upper

84 100

49 124.6 92.9 172.5

86 55.2 46.5 86.5



Abundance Ion 84.00 (83.70 to 84.70): VV010728.D (-449) (-)

Ion 49.00 (48.70 to 49.70): VV010728.D (-449) (-)

Ion 86.00 (85.70 to 86.70): VV010728.D (-449) (-)

2.53

3000

2000

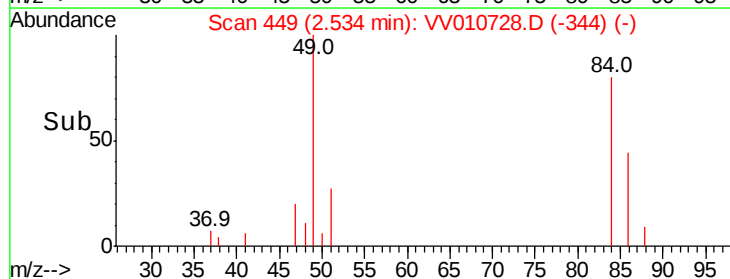
1000

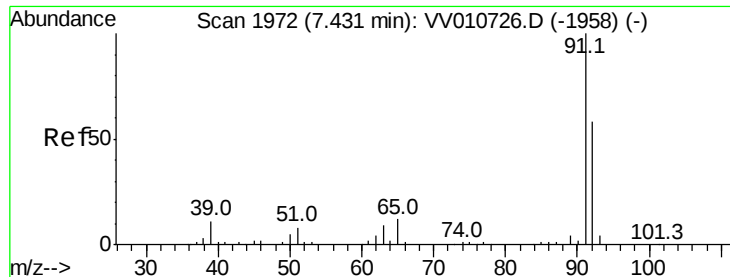
0

Time-->

2.50

2.55





#44

Toluene

Concen: 0.857 ug/L

RT: 7.44 min Scan# 1974

Delta R.T. 0.01 min

Lab File: VV010728.D

Acq: 08 May 2019 15:09

Instrument :

MSVOA_V

ClientSampled :

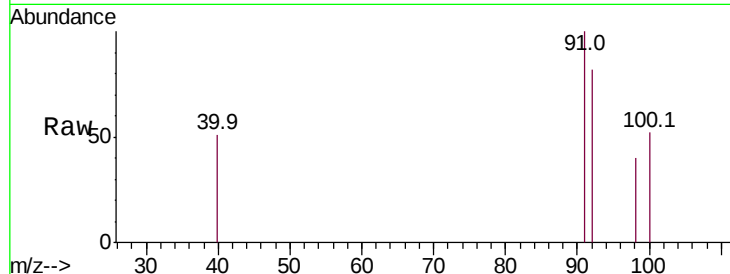
GAJA2

Tot Ion: 91 Resp: 955

Ion Ratio Lower Upper

91 100

92 82.1 40.1 74.5#



Abundance Ion 91.00 (90.70 to 91.70): VV0

Ion 92.00 (91.70 to 92.70): VV0

600

400

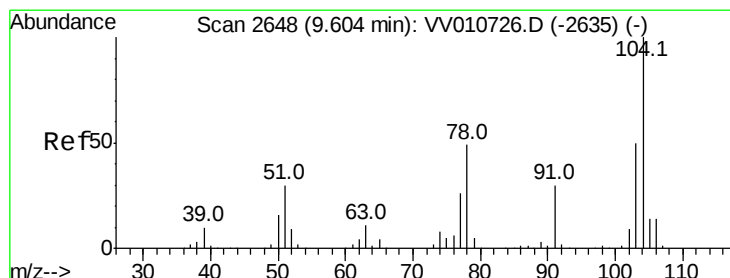
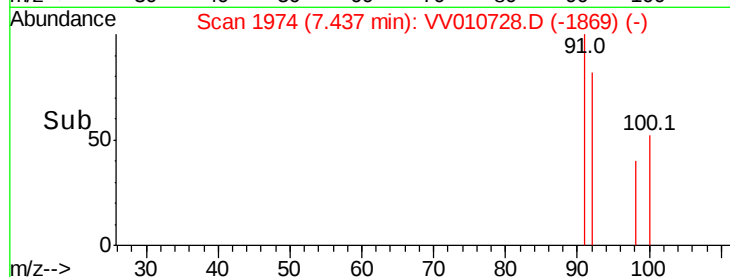
200

0

7.40 7.42 7.44 7.46 7.48

7.44

Time-->



#56

Styrene

Concen: 3.737 ug/L

RT: 9.60 min Scan# 2648

Delta R.T. 0.00 min

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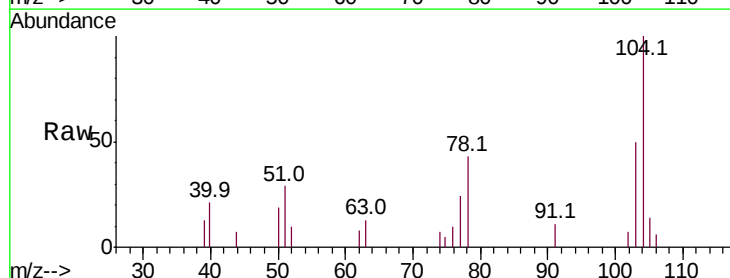
Acq: 08 May 2019 15:09

Tgt Ion: 104 Resp: 3025

Ion Ratio Lower Upper

104 100

78 43.3 32.2 59.8



Abundance Ion 104.00 (103.70 to 104.70): V

Ion 78.00 (77.70 to 78.70): VV0

2000

1500

1000

500

0

9.55 9.60 9.65

9.60

Time-->

