

Data Path : Z:\VOASRV\HPCHEM1\MSVOA V\DATA\VV050719\
 Data File : VV010718.D
 Acq On : 08 May 2019 06:51
 Operator : SY/MD
 Sample : K2634-05
 Misc : 5.10G/10ML/MSVOA V/SOIL
 ALS Vial : 1 Sample Multiplier: 1

Instrument :
 MSVOA_V
 ClientSampleId :
 GAJB4

Quant Time: May 08 09:08:31 2019
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_V\METHOD\SOM2VLM050719S.M
 Quant Title : VOC Analysis
 QLast Update : Wed May 08 04:57:22 2019
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Difluorobenzene	5.66	114	54651	25.00	ug/L	0.00
28) Chlorobenzene-d5	8.89	117	59098	25.00	ug/L	0.00
60) 1,4-Dichlorobenzene-d4	11.29	152	26982	25.00	ug/L	0.00

System Monitoring Compounds

4) Vinyl Chloride-d3	1.31	65	8738	10.29	ug/L	0.00
Spiked Amount	25.000	Range	30 - 150	Recovery	=	41.16%
7) Chloroethane-d5	1.56	69	10626	15.21	ug/L	0.00
Spiked Amount	25.000	Range	30 - 150	Recovery	=	60.84%
10) 1,1-Dichloroethene-d2	2.12	63	13862	7.53	ug/L	0.00
Spiked Amount	25.000	Range	45 - 110	Recovery	=	30.12%#
20) 2-Butanone-d5	3.93	46	13066	51.29	ug/L	0.00
Spiked Amount	50.000	Range	20 - 135	Recovery	=	102.58%
24) Chloroform-d	4.39	84	33925	22.77	ug/L	0.00
Spiked Amount	25.000	Range	40 - 150	Recovery	=	91.08%
26) 1,2-Dichloroethane-d4	5.08	65	24090	25.89	ug/L	0.00
Spiked Amount	25.000	Range	70 - 130	Recovery	=	103.56%
29) Benzene-d6	5.09	84	61322	19.71	ug/L	0.00
Spiked Amount	25.000	Range	20 - 135	Recovery	=	78.84%
33) 1,2-Dichloropropane-d6	6.11	67	23950	24.16	ug/L	0.00
Spiked Amount	25.000	Range	70 - 120	Recovery	=	96.64%
37) Toluene-d8	7.36	98	53827	18.07	ug/L	0.00
Spiked Amount	25.000	Range	30 - 130	Recovery	=	72.28%
38) trans-1,3-Dichloropropene-	7.66	79	8339	18.45	ug/L	0.00
Spiked Amount	25.000	Range	30 - 135	Recovery	=	73.80%
39) 2-Hexanone-d5	8.13	63	7724	37.24	ug/L	0.00
Spiked Amount	50.000	Range	20 - 135	Recovery	=	74.48%
48) 1,1,2,2-Tetrachloroethane-	10.26	84	20475	21.98	ug/L	0.00
Spiked Amount	25.000	Range	45 - 120	Recovery	=	87.92%
61) 1,2-Dichlorobenzene-d4	11.67	152	23019	22.03	ug/L	0.00
Spiked Amount	25.000	Range	75 - 120	Recovery	=	88.12%

Target Compounds

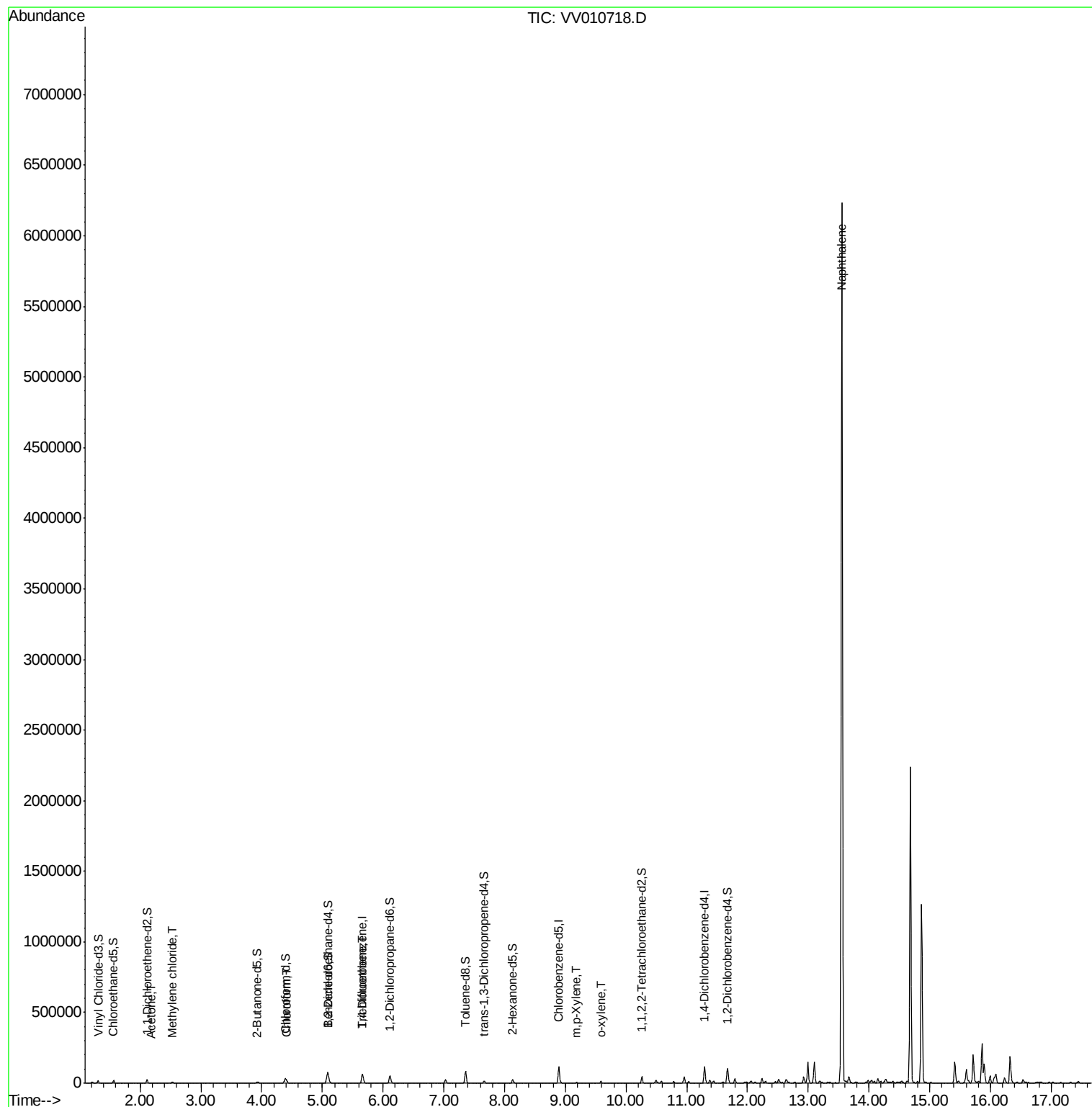
					Ovalue
13) Acetone	2.18	43	965	2.447 ug/L	70
16) Methylene chloride	2.52	84	2367	2.801 ug/L	91
25) Chloroform	4.43	83	1604	0.970 ug/L #	30
35) Trichloroethene	5.66	95	1681	1.730 ug/L #	7
54) m,p-Xylene	9.18	106	1911	1.120 ug/L	95
55) o-xylene	9.59	106	2999	1.771 ug/L	90
69) Naphthalene	13.55	128	4394338	1961.126 ug/L	99

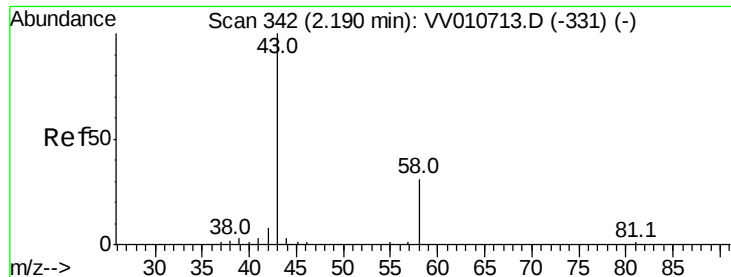
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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Quant Title : VOC Analysis
QLast Update : Wed May 08 04:57:22 2019
Response via : Initial Calibration





#13

Acetone

Concen: 2.447 ug/L

RT: 2.18 min Scan# 340

Delta R.T. -0.01 min

Lab File: VV010718.D

Acq: 08 May 2019 06:51

Instrument :

MSVOA_V

ClientSampled :

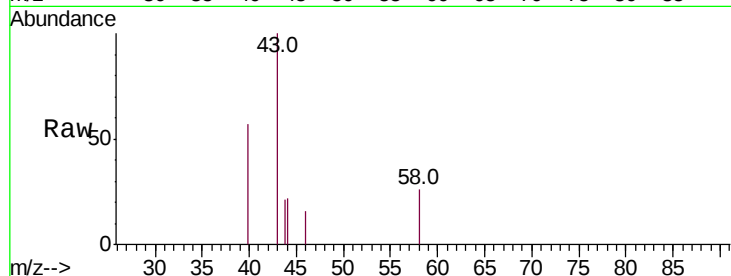
GAJB4

Tot Ion: 43 Resp: 965

Ion Ratio Lower Upper

43 100

58 14.8 0.0 63.4



Abundance Ion 43.00 (42.70 to 43.70): VV010718.D (-340) (-)

Ion 58.00 (57.70 to 58.70): VV010718.D (-340) (-)

2.18

600

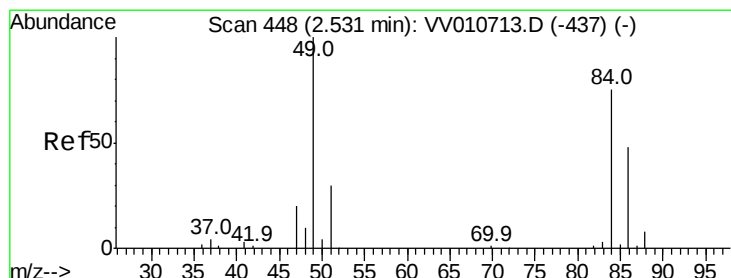
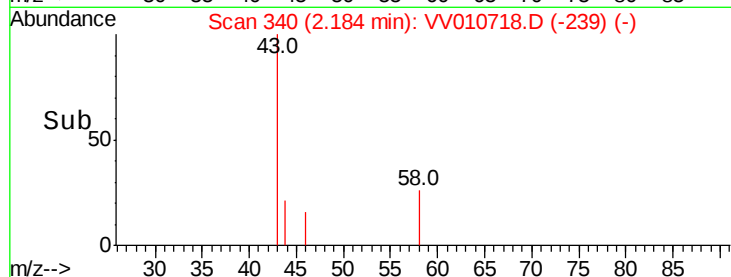
400

200

0

2.16 2.18 2.20 2.22

Time-->



#16

Methylene chloride

Concen: 2.801 ug/L

RT: 2.52 min Scan# 446

Delta R.T. -0.01 min

Lab File: VV010718.D

Acq: 08 May 2019 06:51

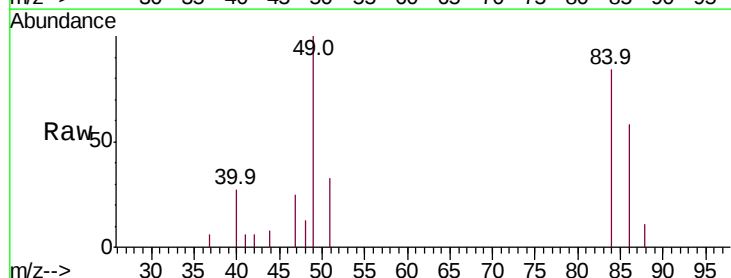
Tgt Ion: 84 Resp: 2367

Ion Ratio Lower Upper

84 100

49 119.3 92.9 172.5

86 69.8 46.5 86.5



Abundance Ion 84.00 (83.70 to 84.70): VV010718.D (-446) (-)

Ion 49.00 (48.70 to 49.70): VV010718.D (-446) (-)

Ion 86.00 (85.70 to 86.70): VV010718.D (-446) (-)

2500

2000

1500

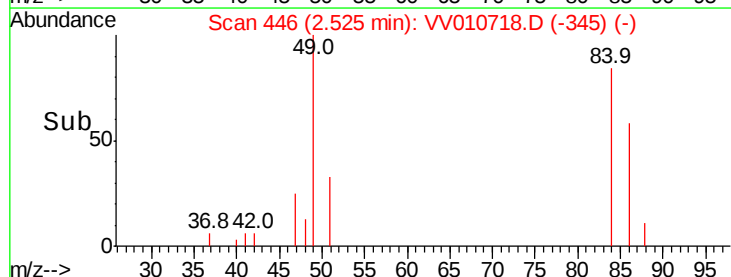
1000

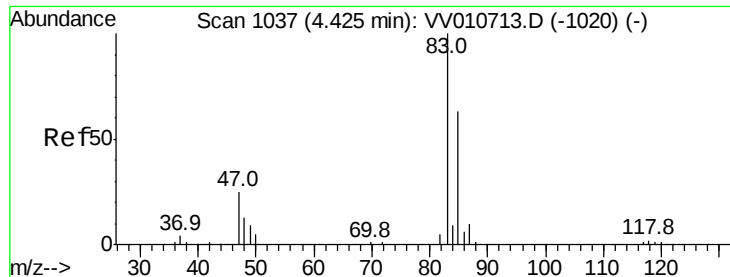
500

0

2.50 2.52 2.54 2.56

Time-->

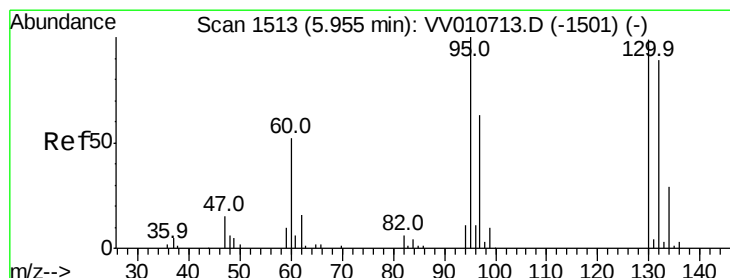
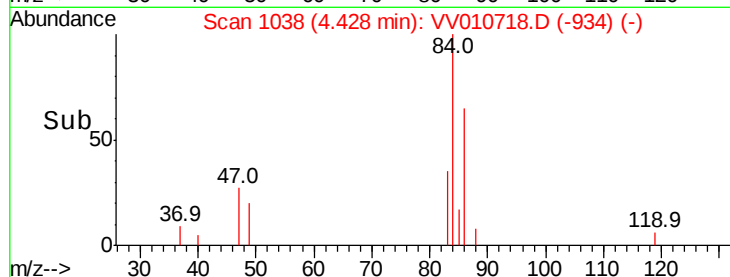
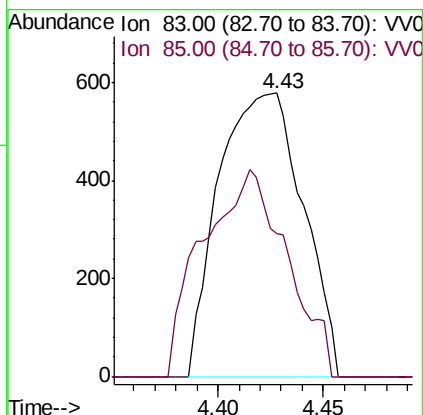
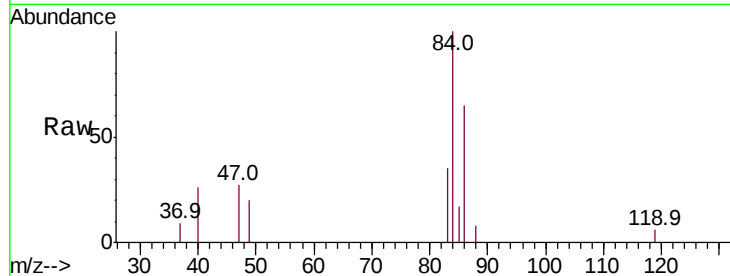




#25
Chloroform
Concen: 0.970 ug/L
RT: 4.43 min Scan# 1038
Delta R.T. 0.00 min
Lab File: VV010718.D
Acq: 08 May 2019 06:51

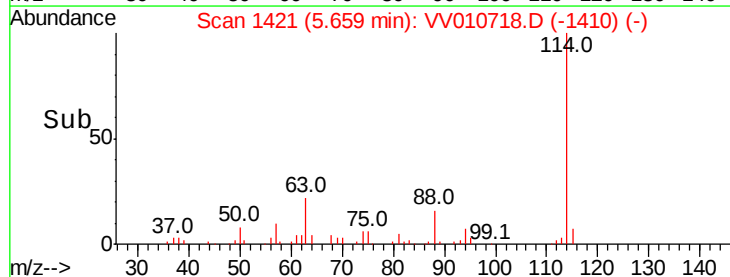
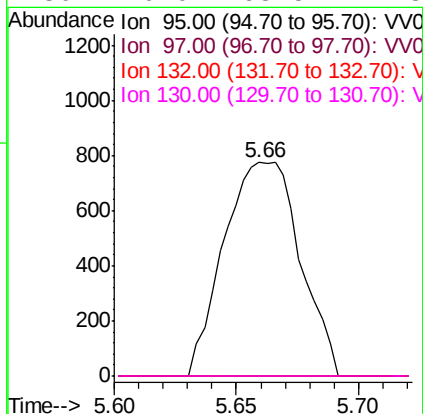
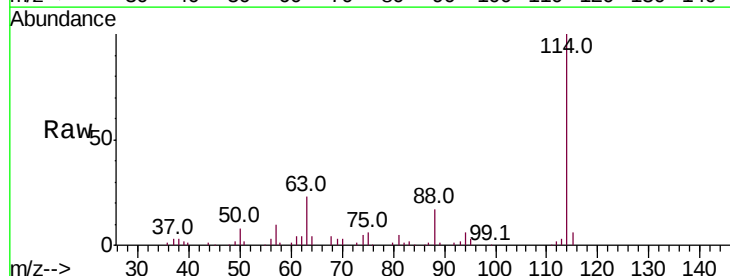
Instrument :
MSVOA_V
ClientSampleId :
GAJB4

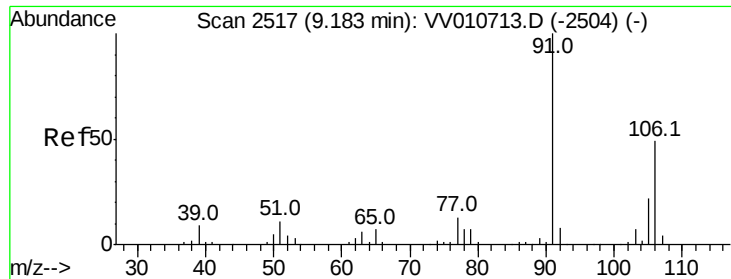
Tot Ion: 83 Resp: 1604
Ion Ratio Lower Upper
83 100
85 8.9 44.6 82.8#



#35
Trichloroethene
Concen: 1.730 ug/L
RT: 5.66 min Scan# 1421
Delta R.T. -0.30 min
Lab File: VV010718.D
Acq: 08 May 2019 06:51

Tgt Ion: 95 Resp: 1681
Ion Ratio Lower Upper
95 100
97 0.0 44.3 82.3#
132 0.0 62.4 115.8#
130 0.0 68.5 127.3#





#54

m,p-Xylene

Concen: 1.120 ug/L

RT: 9.18 min Scan# 2517

Delta R.T. 0.00 min

Lab File: VV010718.D

Acq: 08 May 2019 06:51

Instrument :

MSVOA_V

ClientSampled :

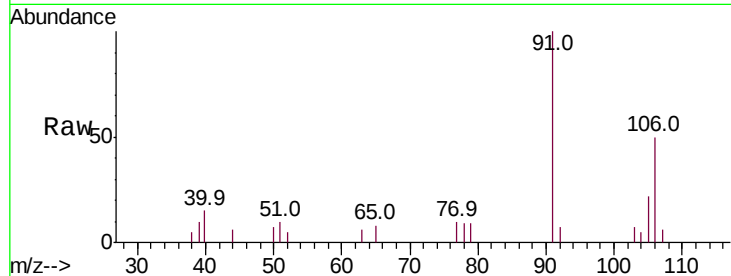
GAJB4

Tot Ion:106 Resp: 1911

Ion Ratio Lower Upper

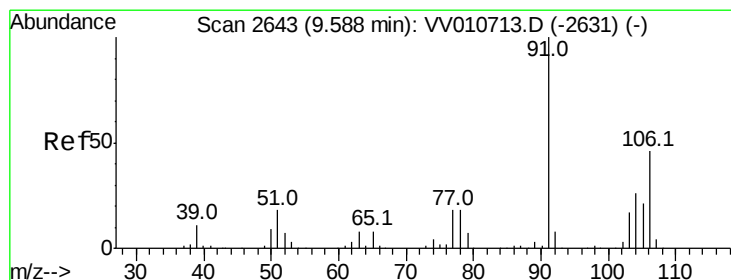
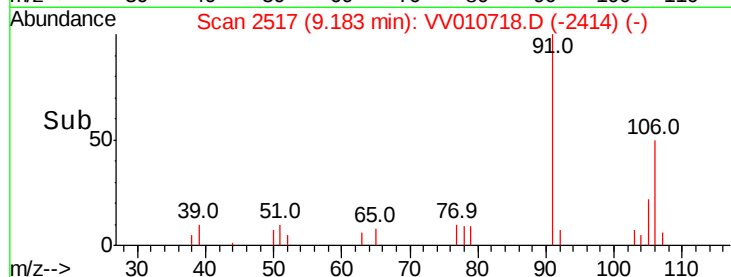
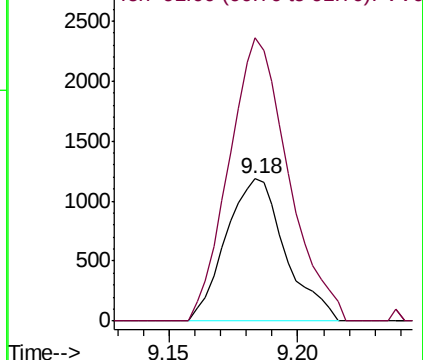
106 100

91 199.3 145.4 270.0



Abundance Ion 106.00 (105.70 to 106.70): V

Ion 91.00 (90.70 to 91.70): VV0



#55

o-xylene

Concen: 1.771 ug/L

RT: 9.59 min Scan# 2643

Delta R.T. 0.00 min

Lab File: VV010718.D

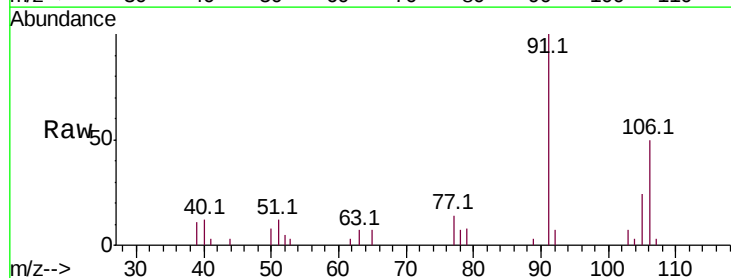
Acq: 08 May 2019 06:51

Tgt Ion:106 Resp: 2999

Ion Ratio Lower Upper

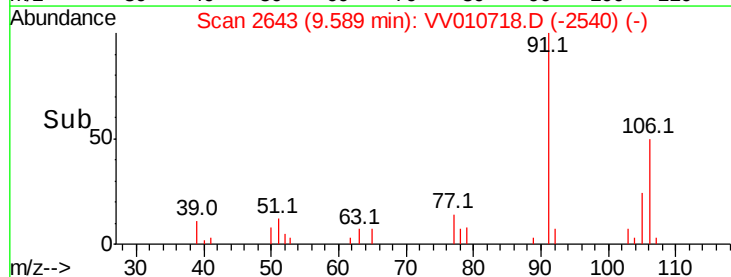
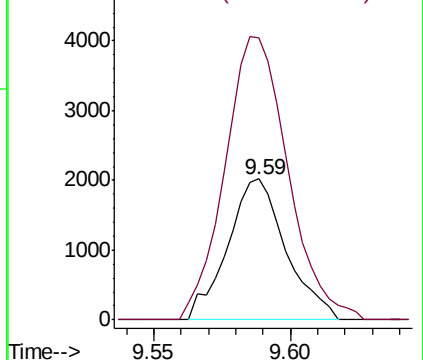
106 100

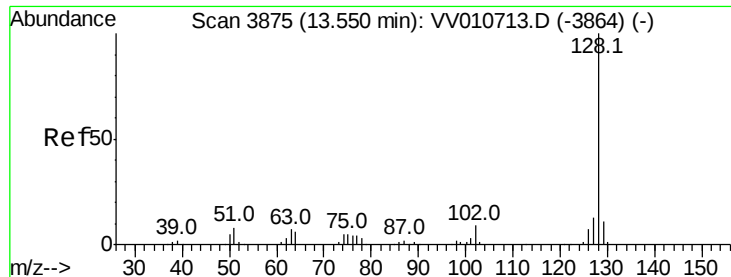
91 200.2 151.0 280.4



Abundance Ion 106.00 (105.70 to 106.70): V

Ion 91.00 (90.70 to 91.70): VV0





#69

Naphthalene

Concen: 1961.126 ug/L

RT: 13.55 min Scan# 3876

Delta R.T. 0.00 min

Lab File: VV010718.D

Acq: 08 May 2019 06:51

Instrument :

MSVOA_V

ClientSampleId :

GAJB4

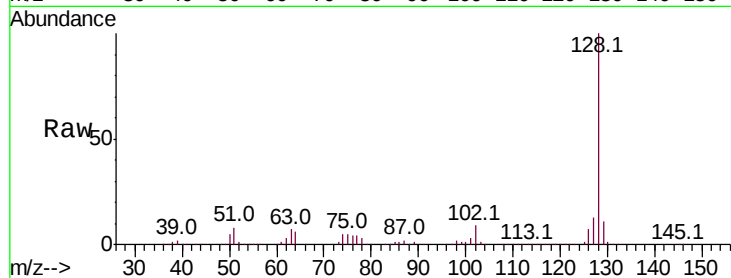
Tot Ion:128 Resp: 4394338

Ion Ratio Lower Upper

128 100

129 11.0 8.3 12.5

127 13.3 10.8 16.2



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

