

Data Path : Z:\VOASRV\HPCHEM1\MSVOA V\DATA\VV060620\
 Data File : VV016641.D
 Acq On : 07 Jun 2020 13:41
 Operator : SY/MD
 Sample : L2861-08DL 100X
 Misc : 5.0mL/MSVOA V/WATER
 ALS Vial : 68 Sample Multiplier: 1

Instrument :
 MSVOA_V
 ClientSampleId :
 F9E40DL

Quant Time: Jun 08 05:46:48 2020
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_V\METHOD\SOMVLM060320WMA.M
 Quant Title : VOC Analysis
 QLast Update : Mon Jun 08 05:42:16 2020
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Difluorobenzene	5.64	114	365188	50.00	ug/L	0.00
28) Chlorobenzene-d5	8.87	117	345661	50.00	ug/L	0.00
60) 1,4-Dichlorobenzene-d4	11.27	152	162494	50.00	ug/L	0.00

System Monitoring Compounds

4) Vinyl Chloride-d3	1.32	65	108042	41.77	ug/L	0.00
Spiked Amount	50.000	Range	60 - 135	Recovery	=	83.54%
7) Chloroethane-d5	1.56	69	74618	39.96	ug/L	0.00
Spiked Amount	50.000	Range	70 - 130	Recovery	=	79.92%
11) 1,1-Dichloroethene-d2	2.12	63	146618	31.98	ug/L	0.00
Spiked Amount	50.000	Range	60 - 125	Recovery	=	63.96%
21) 2-Butanone-d5	3.89	46	176534	106.74	ug/L	0.00
Spiked Amount	100.000	Range	40 - 130	Recovery	=	106.74%
24) Chloroform-d	4.37	84	233655	48.14	ug/L	0.00
Spiked Amount	50.000	Range	70 - 125	Recovery	=	96.28%
26) 1,2-Dichloroethane-d4	5.05	65	166975	51.37	ug/L	0.00
Spiked Amount	50.000	Range	70 - 125	Recovery	=	102.74%
32) Benzene-d6	5.07	84	470876	50.85	ug/L	0.00
Spiked Amount	50.000	Range	70 - 125	Recovery	=	101.70%
36) 1,2-Dichloropropane-d6	6.09	67	144434	50.06	ug/L	0.00
Spiked Amount	50.000	Range	70 - 120	Recovery	=	100.12%
41) Toluene-d8	7.34	98	418903	49.82	ug/L	0.00
Spiked Amount	50.000	Range	80 - 120	Recovery	=	99.64%
43) trans-1,3-Dichloropropene-	7.64	79	63328	45.04	ug/L	0.00
Spiked Amount	50.000	Range	60 - 125	Recovery	=	90.08%
47) 2-Hexanone-d5	8.11	63	127280	103.01	ug/L	0.00
Spiked Amount	100.000	Range	45 - 130	Recovery	=	103.01%
57) 1,1,2,2-Tetrachloroethane-	10.24	84	186386	47.63	ug/L	0.00
Spiked Amount	50.000	Range	65 - 120	Recovery	=	95.26%
64) 1,2-Dichlorobenzene-d4	11.65	152	166659	54.58	ug/L	0.00
Spiked Amount	50.000	Range	80 - 120	Recovery	=	109.16%

Target Compounds

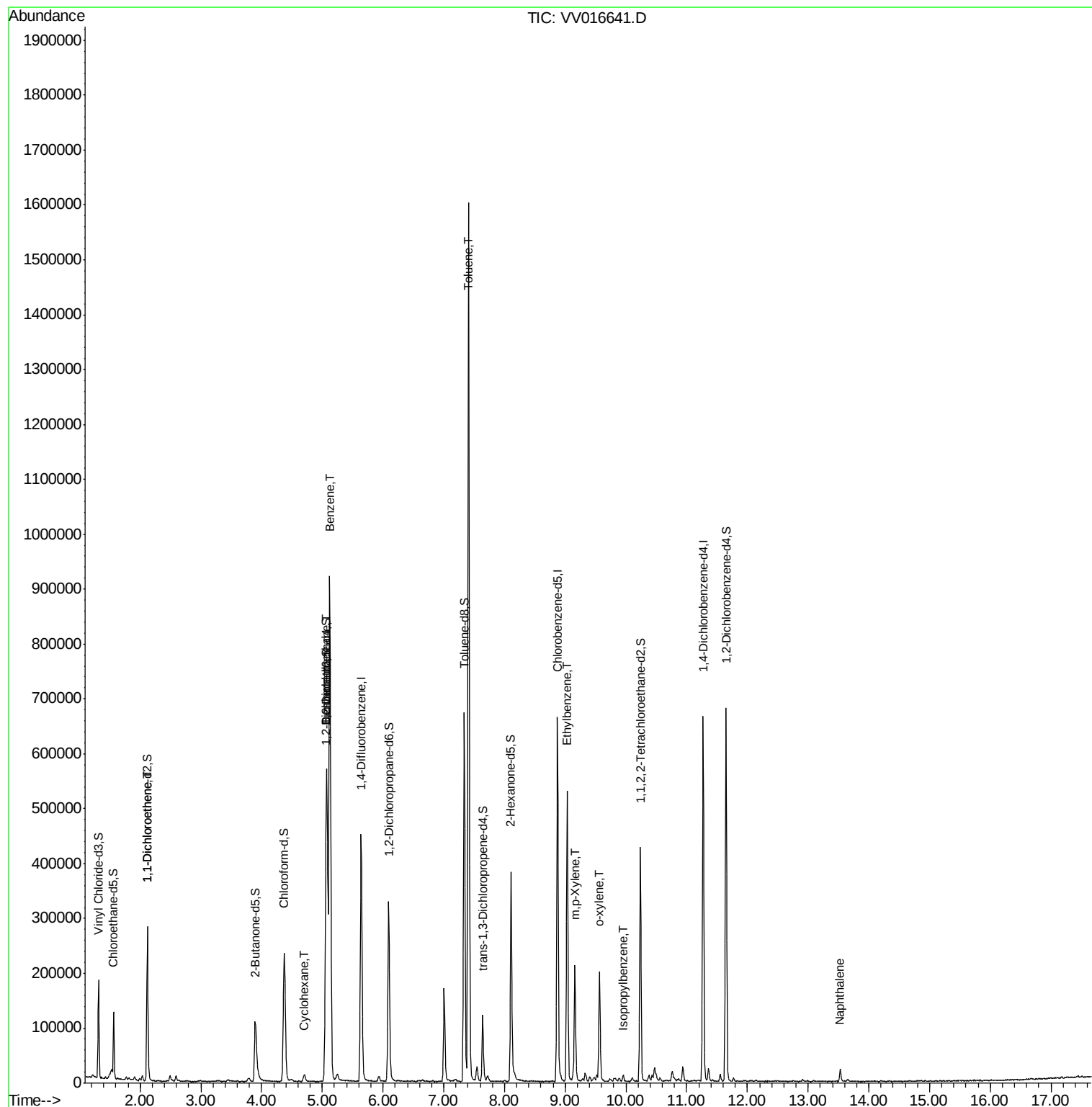
					Ovalue
12) 1,1-Dichloroethene	2.12	96	1413	0.697 ug/L #	1
27) 1,2-Dichloroethane	5.07	62	3042	0.755 ug/L	98
29) Cyclohexane	4.70	56	6467	1.576 ug/L #	75
33) Benzene	5.12	78	884993	87.056 ug/L	100
42) Toluene	7.41	91	1100760	102.186 ug/L	99
52) Ethylbenzene	9.03	91	357284	30.474 ug/L	99
53) m,p-Xylene	9.16	106	56199	12.712 ug/L	97
54) o-xylene	9.57	106	50130	11.708 ug/L	96
56) Isopropylbenzene	9.95	105	6456	0.581 ug/L #	88
69) Naphthalene	13.53	128	15697	1.631 ug/L	97

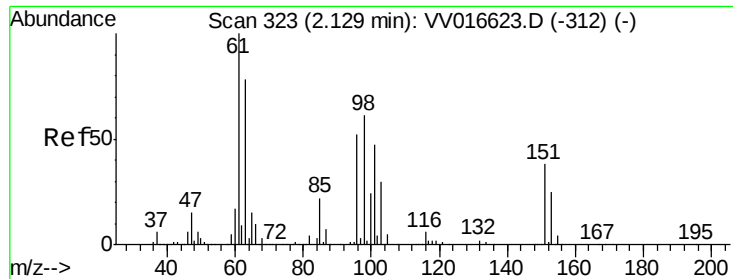
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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QLast Update : Mon Jun 08 05:42:16 2020
Response via : Initial Calibration





#12

1,1-Dichloroethene

Concen: 0.697 ug/L

RT: 2.12 min Scan# 321

Delta R.T. -0.01 min

Lab File: VV016641.D

Acq: 07 Jun 2020 13:41

Instrument :

MSVOA_V

ClientSampleId :

F9E40DL

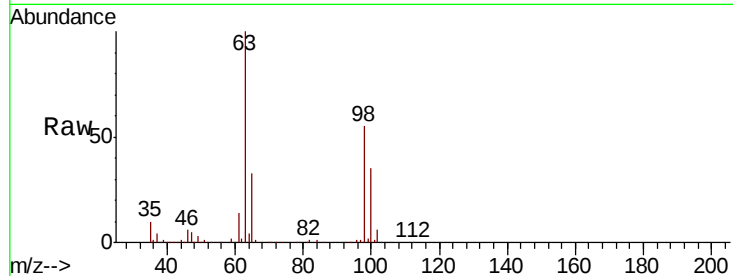
Tot Ion: 96 Resp: 1413

Ion Ratio Lower Upper

96 100

61 1511.6 125.5 233.1#

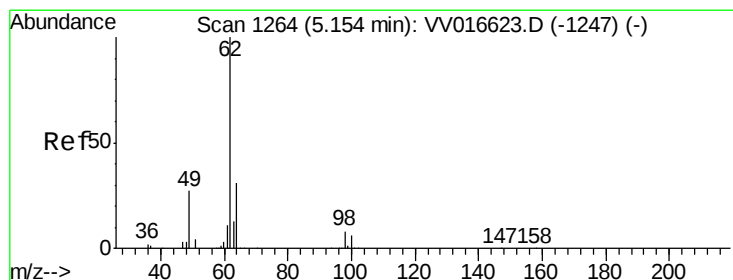
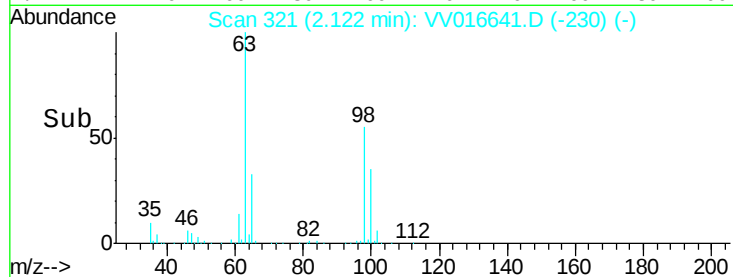
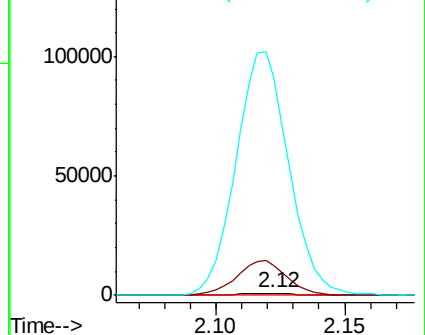
63 10948.4 104.0 193.1#



Abundance Ion 96.00 (95.70 to 96.70): VV0

Ion 61.00 (60.70 to 61.70): VV0

Ion 63.00 (62.70 to 63.70): VV0



#27

1,2-Dichloroethane

Concen: 0.755 ug/L

RT: 5.07 min Scan# 1238

Delta R.T. -0.08 min

Lab File: VV016641.D

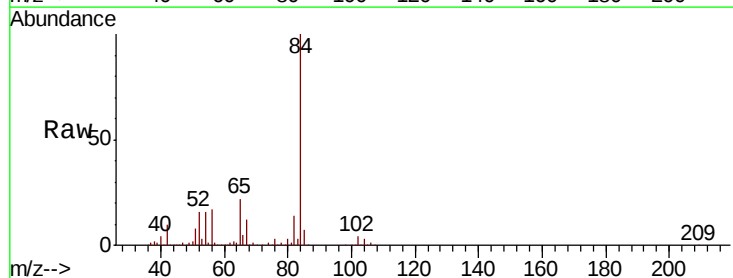
Acq: 07 Jun 2020 13:41

Tgt Ion: 62 Resp: 3042

Ion Ratio Lower Upper

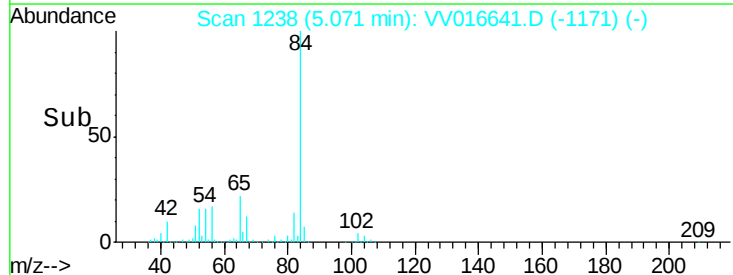
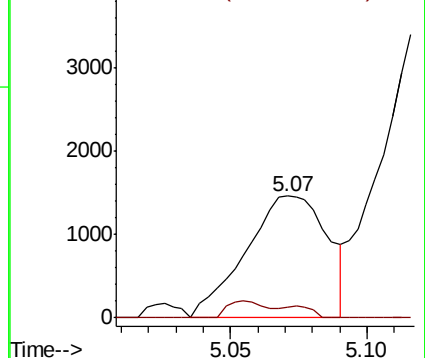
62 100

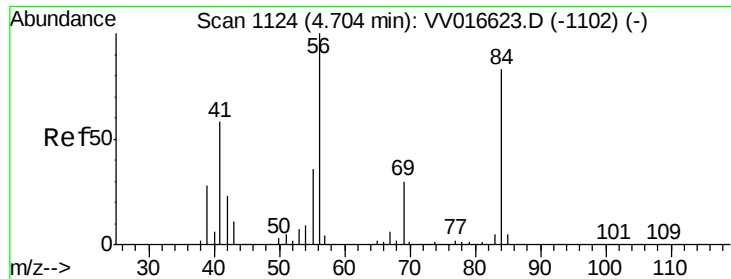
98 9.2 6.9 10.3



Abundance Ion 62.00 (61.70 to 62.70): VV0

Ion 98.00 (97.70 to 98.70): VV0

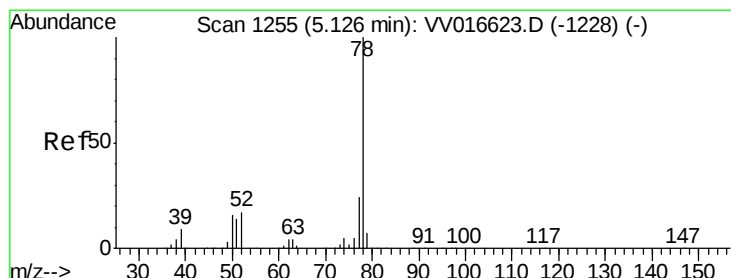
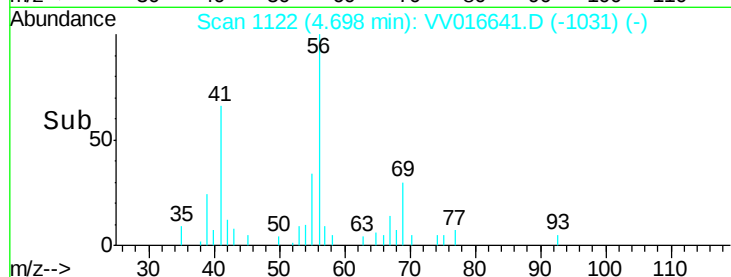
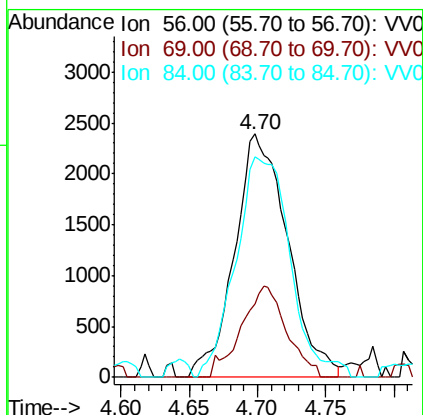
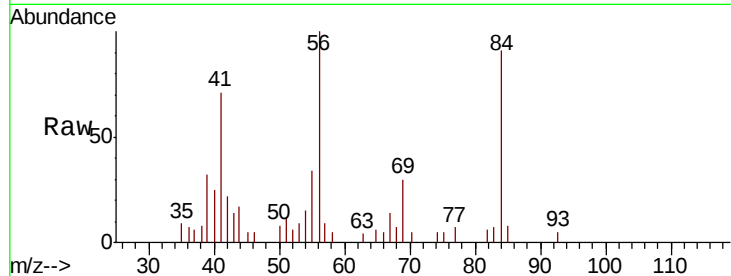




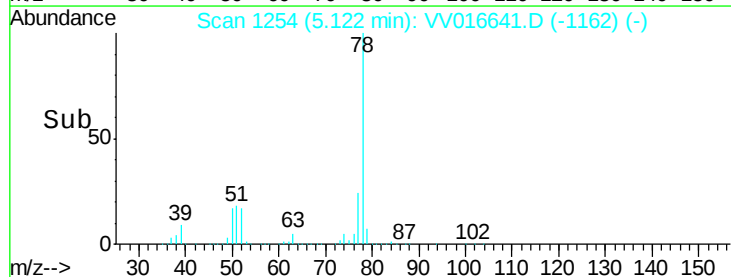
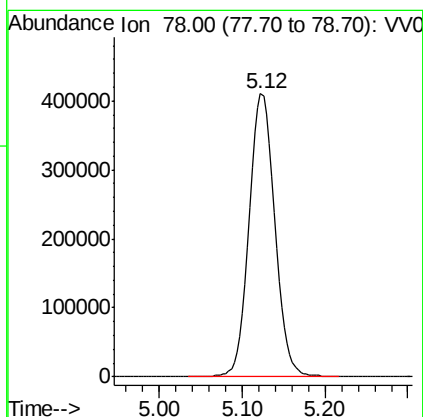
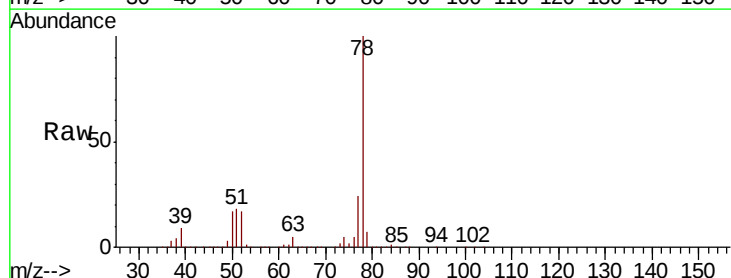
#29
Cyclohexane
Concen: 1.576 ug/L
RT: 4.70 min Scan# 1122
Delta R.T. -0.01 min
Lab File: VV016641.D
Acq: 07 Jun 2020 13:41

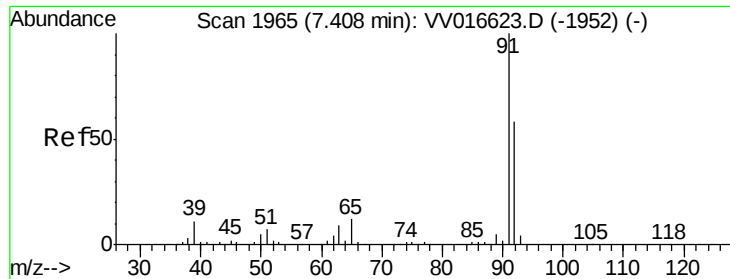
Instrument :
MSVOA_V
ClientSampleId :
F9E40DL

Tot Ion: 56 Resp: 6467
Ion Ratio Lower Upper
56 100
69 30.7 23.9 35.9
84 55.4 68.2 102.2#



#33
Benzene
Concen: 87.056 ug/L
RT: 5.12 min Scan# 1254
Delta R.T. -0.00 min
Lab File: VV016641.D
Acq: 07 Jun 2020 13:41
Tgt Ion: 78 Resp: 884993





#42

Toluene

Concen: 102.186 ug/L

RT: 7.41 min Scan# 1965

Delta R.T. -0.00 min

Lab File: VV016641.D

Acq: 07 Jun 2020 13:41

Instrument :

MSVOA_V

ClientSampleId :

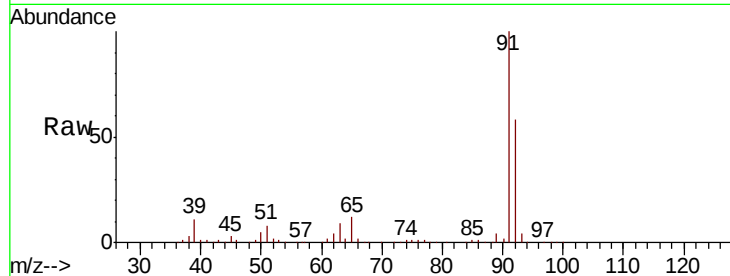
F9E40DL

Tot Ion: 91 Resp: 1100760

Ion Ratio Lower Upper

91 100

92 58.0 40.9 75.9



Abundance Ion 91.00 (90.70 to 91.70): VV0

Ion 92.00 (91.70 to 92.70): VV0

7.41

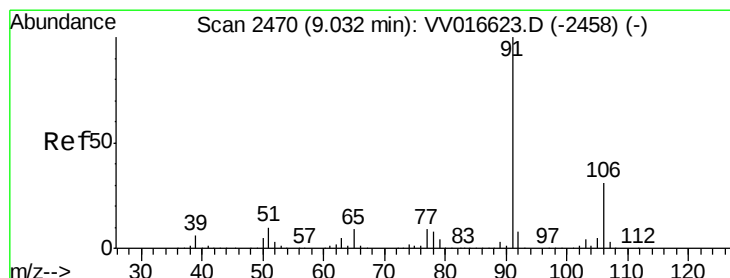
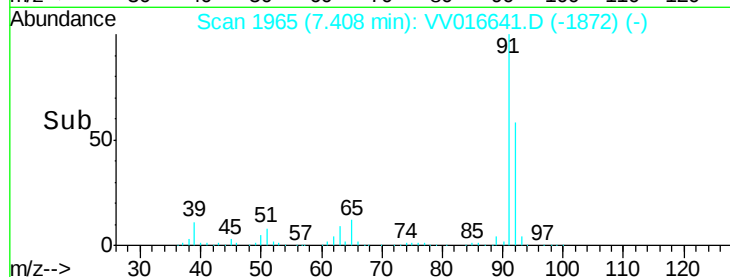
600000

400000

200000

0

Time--> 7.30 7.40 7.50



#52

Ethylbenzene

Concen: 30.474 ug/L

RT: 9.03 min Scan# 2470

Delta R.T. -0.00 min

Lab File: VV016641.D

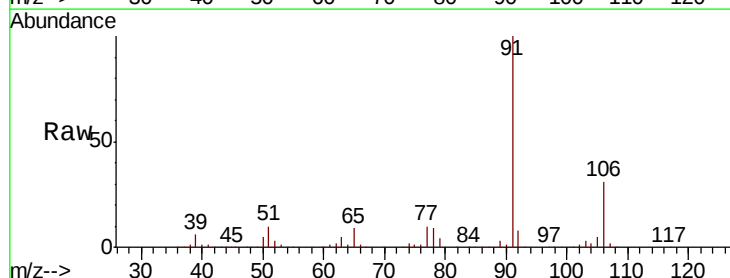
Acq: 07 Jun 2020 13:41

Tgt Ion: 91 Resp: 357284

Ion Ratio Lower Upper

91 100

106 30.5 21.8 40.4



Abundance Ion 91.00 (90.70 to 91.70): VV0

Ion 106.00 (105.70 to 106.70): V

9.03

250000

200000

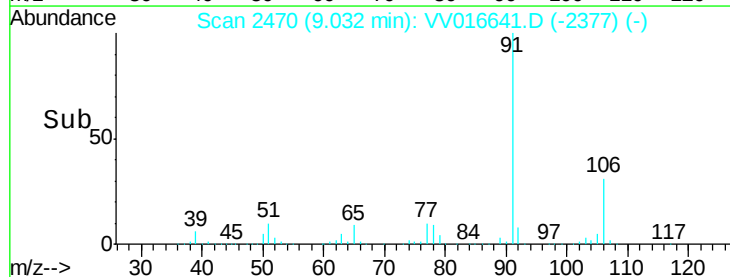
150000

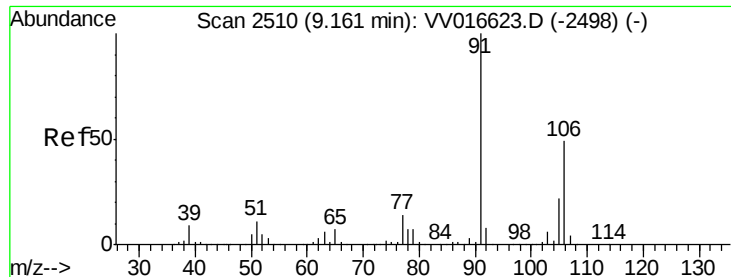
100000

50000

0

Time--> 8.95 9.00 9.05 9.10 9.15





#53

m,p-Xylene

Concen: 12.712 ug/L

RT: 9.16 min Scan# 2510

Delta R.T. -0.00 min

Lab File: VV016641.D

Acq: 07 Jun 2020 13:41

Instrument :

MSVOA_V

ClientSampleID :

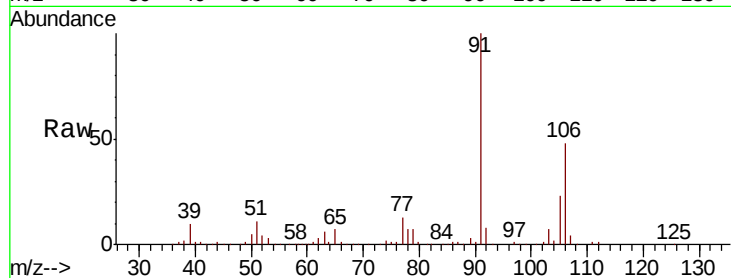
F9E40DL

Tot Ion:106 Resp: 56199

Ion Ratio Lower Upper

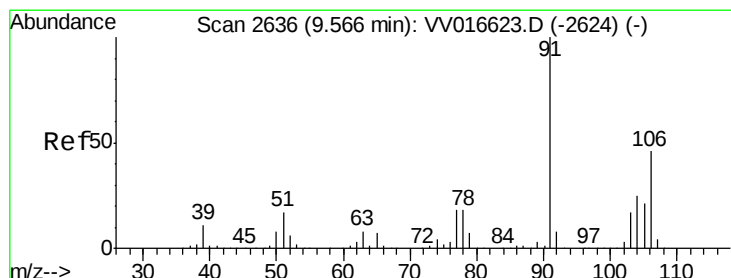
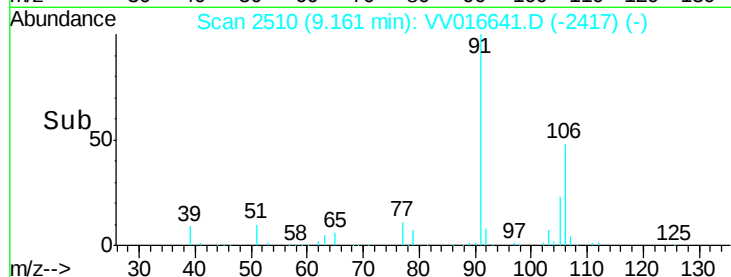
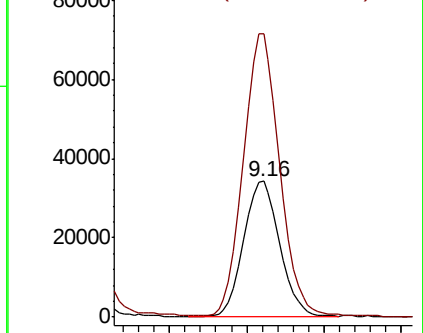
106 100

91 208.8 142.5 264.6



Abundance Ion 106.00 (105.70 to 106.70): V

Ion 91.00 (90.70 to 91.70): VV0



#54

o-xylene

Concen: 11.708 ug/L

RT: 9.57 min Scan# 2636

Delta R.T. -0.00 min

Lab File: VV016641.D

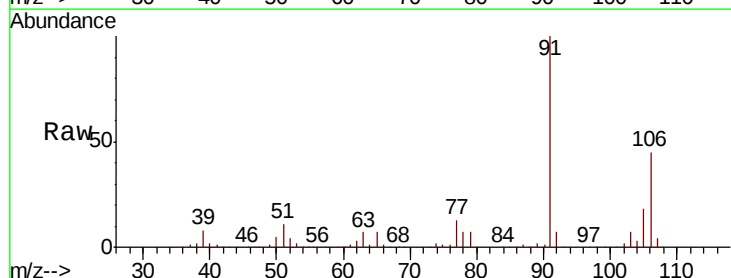
Acq: 07 Jun 2020 13:41

Tgt Ion:106 Resp: 50130

Ion Ratio Lower Upper

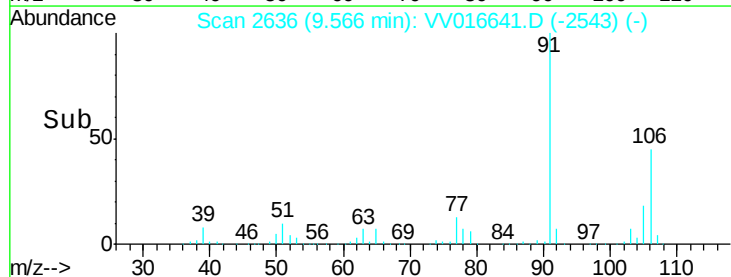
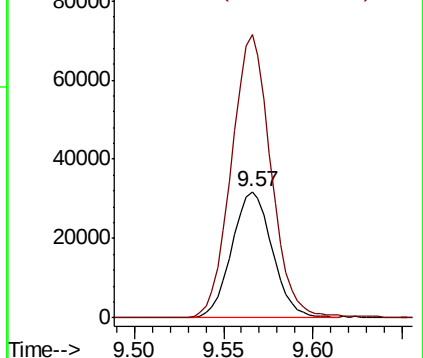
106 100

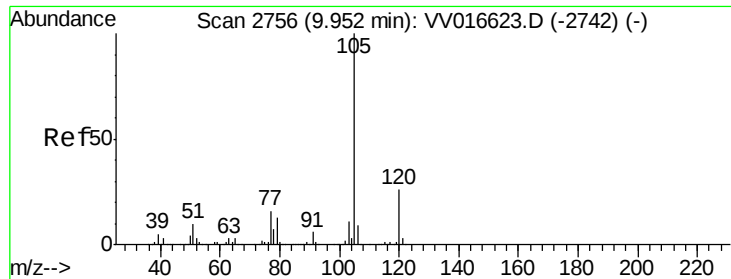
91 224.6 152.5 283.1



Abundance Ion 106.00 (105.70 to 106.70): V

Ion 91.00 (90.70 to 91.70): VV0





#56

Isopropylbenzene

Concen: 0.581 ug/L

RT: 9.95 min Scan# 2757

Delta R.T. 0.00 min

Lab File: VV016641.D

Acq: 07 Jun 2020 13:41

Instrument :

MSVOA_V

ClientSampled :

F9E40DL

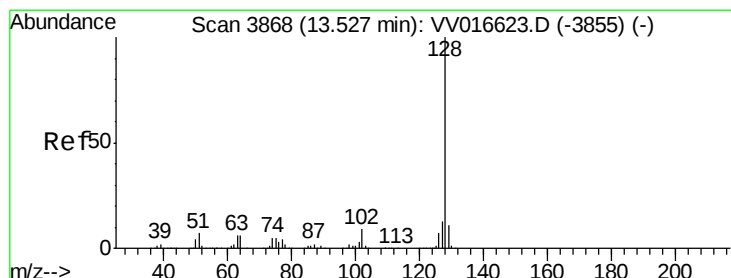
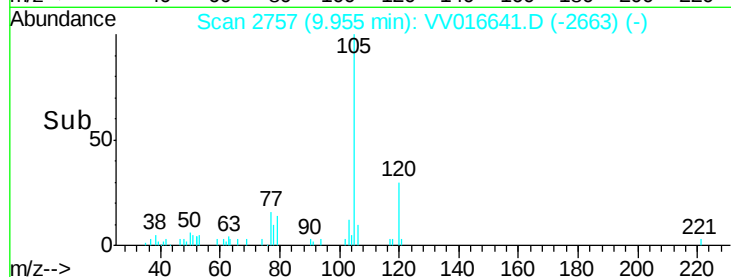
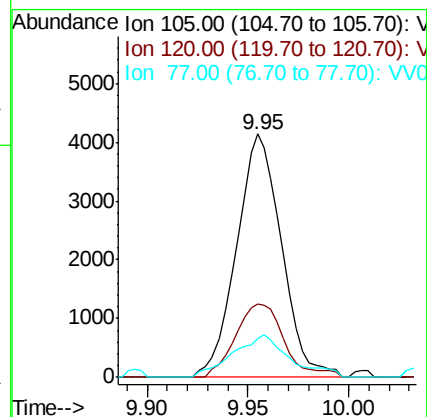
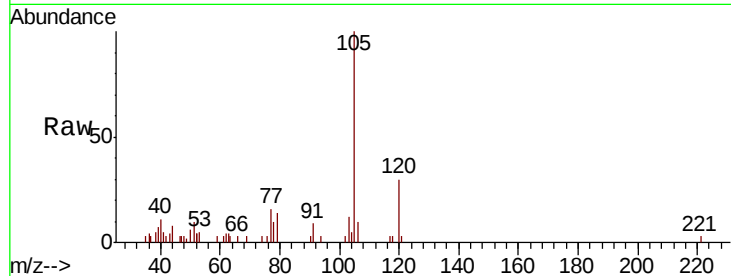
Tot Ion:105 Resp: 6456

Ion Ratio Lower Upper

105 100

120 31.7 21.0 31.6#

77 22.0 13.0 19.4#



#69

Naphthalene

Concen: 1.631 ug/L

RT: 13.53 min Scan# 3869

Delta R.T. 0.00 min

Lab File: VV016641.D

Acq: 07 Jun 2020 13:41

Tgt Ion:128 Resp: 15697

Ion Ratio Lower Upper

128 100

127 14.1 10.2 15.4

129 11.8 8.7 13.1

