

Data Path : Z:\VOASRV\HPCHEM1\MSVOA V\DATA\VV060620\
 Data File : VV016642.D
 Acq On : 07 Jun 2020 14:05
 Operator : SY/MD
 Sample : L2861-09DL 100X
 Misc : 5.0mL/MSVOA V/WATER
 ALS Vial : 69 Sample Multiplier: 1

Instrument :
 MSVOA_V
 ClientSampleId :
 F9E41DL

Quant Time: Jun 08 05:47:01 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	338546	50.00	ug/L	0.00
28) Chlorobenzene-d5	8.87	117	311220	50.00	ug/L	0.00
60) 1,4-Dichlorobenzene-d4	11.27	152	148276	50.00	ug/L	0.00

System Monitoring Compounds

4) Vinyl Chloride-d3	1.32	65	101379	42.28	ug/L	0.00
Spiked Amount	50.000	Range	60 - 135	Recovery	=	84.56%
7) Chloroethane-d5	1.56	69	71167	41.11	ug/L	0.00
Spiked Amount	50.000	Range	70 - 130	Recovery	=	82.22%
11) 1,1-Dichloroethene-d2	2.12	63	138401	32.56	ug/L	0.00
Spiked Amount	50.000	Range	60 - 125	Recovery	=	65.12%
21) 2-Butanone-d5	3.89	46	176651	115.21	ug/L	0.00
Spiked Amount	100.000	Range	40 - 130	Recovery	=	115.21%
24) Chloroform-d	4.37	84	225431	50.10	ug/L	0.00
Spiked Amount	50.000	Range	70 - 125	Recovery	=	100.20%
26) 1,2-Dichloroethane-d4	5.05	65	160647	53.31	ug/L	0.00
Spiked Amount	50.000	Range	70 - 125	Recovery	=	106.62%
32) Benzene-d6	5.07	84	449259	53.89	ug/L	0.00
Spiked Amount	50.000	Range	70 - 125	Recovery	=	107.78%
36) 1,2-Dichloropropane-d6	6.09	67	141509	54.48	ug/L	0.00
Spiked Amount	50.000	Range	70 - 120	Recovery	=	108.96%
41) Toluene-d8	7.34	98	404140	53.38	ug/L	0.00
Spiked Amount	50.000	Range	80 - 120	Recovery	=	106.76%
43) trans-1,3-Dichloropropene-	7.64	79	59357	46.89	ug/L	0.00
Spiked Amount	50.000	Range	60 - 125	Recovery	=	93.78%
47) 2-Hexanone-d5	8.11	63	125689	112.98	ug/L	0.00
Spiked Amount	100.000	Range	45 - 130	Recovery	=	112.98%
57) 1,1,2,2-Tetrachloroethane-	10.24	84	184588	52.40	ug/L	0.00
Spiked Amount	50.000	Range	65 - 120	Recovery	=	104.80%
64) 1,2-Dichlorobenzene-d4	11.65	152	160034	57.43	ug/L	0.00
Spiked Amount	50.000	Range	80 - 120	Recovery	=	114.86%

Target Compounds

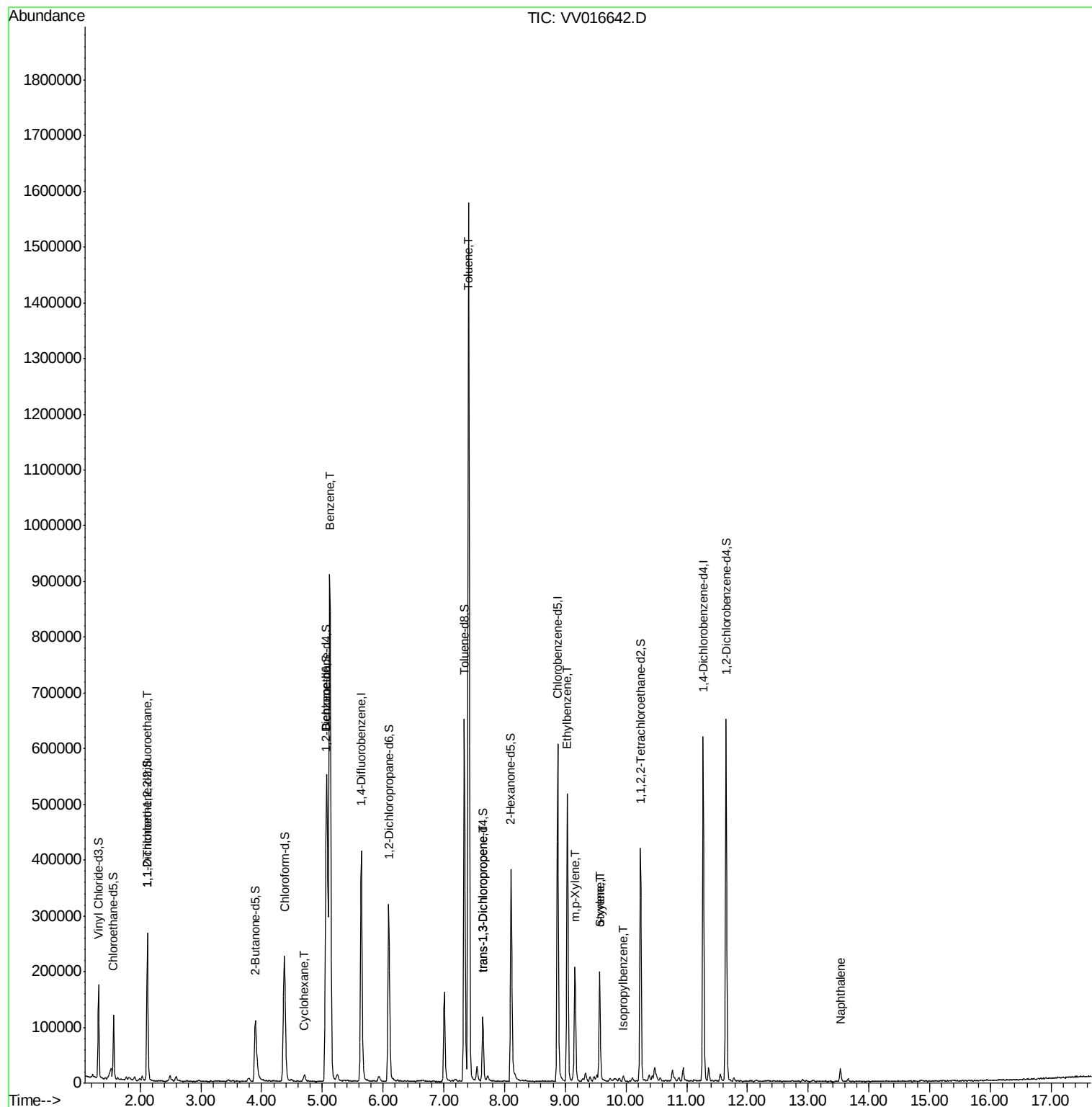
Target Compounds	R.T.	QIon	Response	Conc	Units	Ovalue
10) 1,1,2-Trichloro-1,2,2-trif	2.12	101	1421	0.728	ug/L #	23
29) Cyclohexane	4.70	56	6196	1.677	ug/L #	95
33) Benzene	5.12	78	877413	95.861	ug/L	100
42) Toluene	7.41	91	1076715	111.015	ug/L	99
44) trans-1,3-Dichloropropene	7.64	75	3205	0.939	ug/L	96
52) Ethylbenzene	9.03	91	347915	32.959	ug/L	100
53) m,p-Xylene	9.16	106	55073	13.836	ug/L	96
54) o-xylene	9.57	106	49588	12.864	ug/L	98
55) Styrene	9.57	104	4345	0.643	ug/L #	1
56) Isopropylbenzene	9.95	105	5987	0.598	ug/L #	91
69) Naphthalene	13.53	128	16688	1.900	ug/L	97

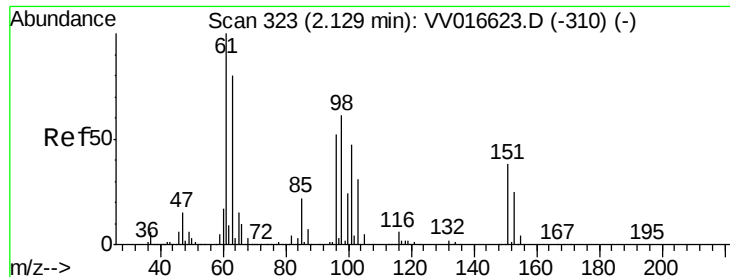
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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#10

1,1,2-Trichloro-1,2,2-trifluoroethane

Concen: 0.728 ug/L

RT: 2.12 min Scan# 320

Delta R.T. -0.01 min

Lab File: VV016642.D

Acq: 07 Jun 2020 14:05

Instrument :

MSVOA_V

ClientSampled :

F9E41DL

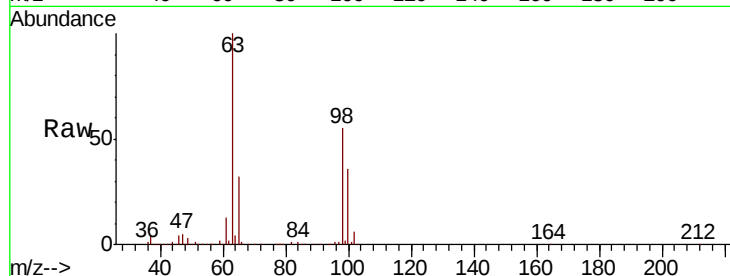
Tot Ion:101 Resp: 1421

Ion Ratio Lower Upper

101 100

85 8.4 35.6 53.4#

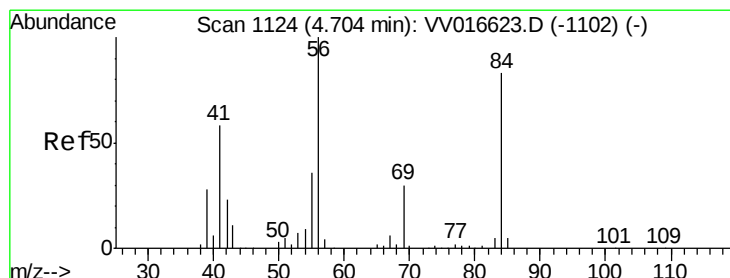
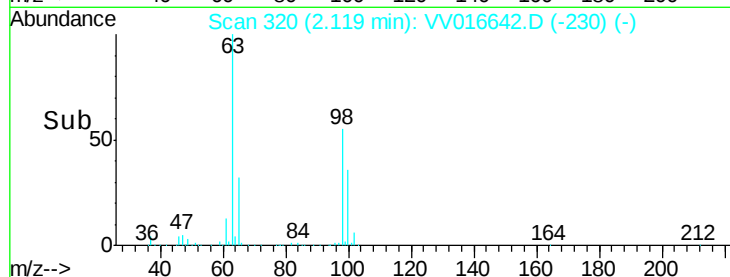
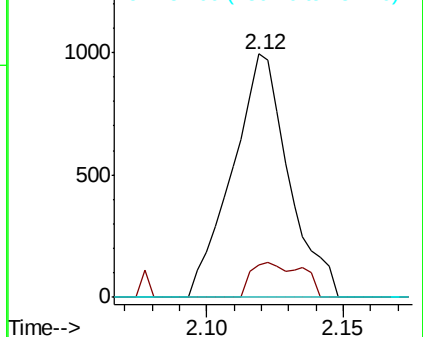
151 0.0 61.8 92.8#



Abundance Ion 101.00 (100.70 to 101.70): V

Ion 85.00 (84.70 to 85.70): VV0

Ion 151.00 (150.70 to 151.70): V



#29

Cyclohexane

Concen: 1.677 ug/L

RT: 4.70 min Scan# 1124

Delta R.T. -0.00 min

Lab File: VV016642.D

Acq: 07 Jun 2020 14:05

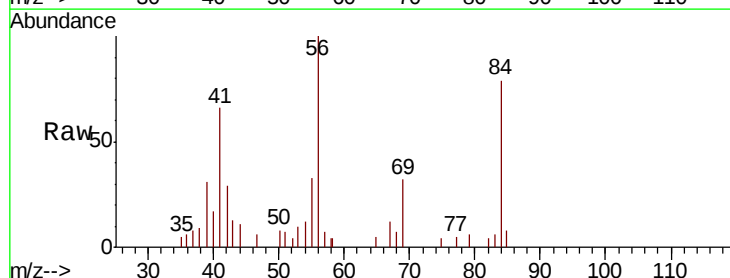
Tgt Ion: 56 Resp: 6196

Ion Ratio Lower Upper

56 100

69 22.5 23.9 35.9#

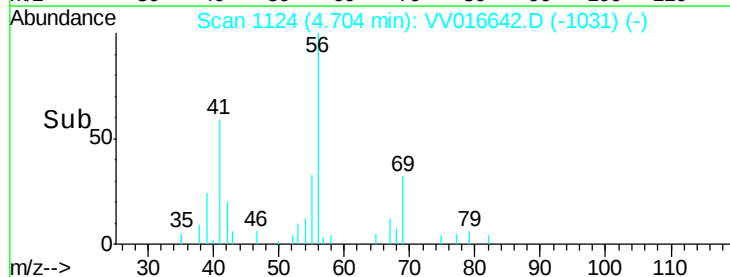
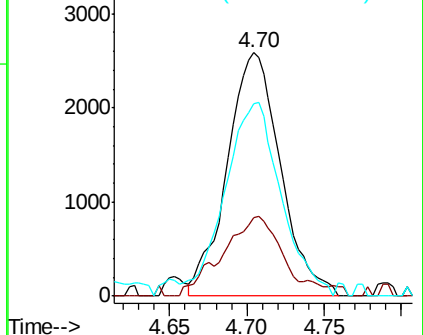
84 83.9 68.2 102.2

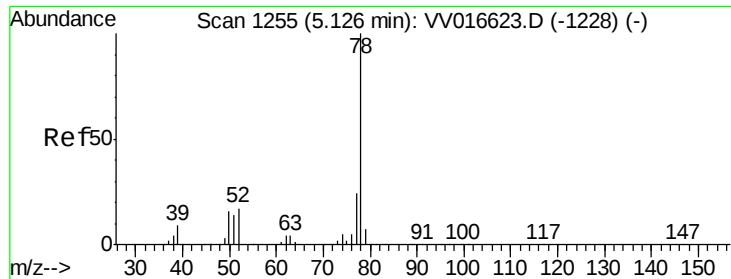


Abundance Ion 56.00 (55.70 to 56.70): VV0

Ion 69.00 (68.70 to 69.70): VV0

Ion 84.00 (83.70 to 84.70): VV0





#33

Benzene

Concen: 95.861 ug/L

RT: 5.12 min Scan# 1254

Delta R.T. -0.00 min

Lab File: VV016642.D

Acq: 07 Jun 2020 14:05

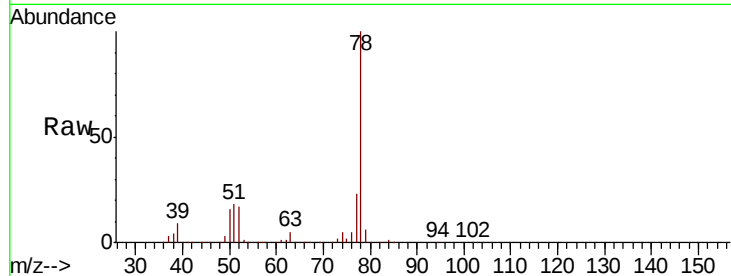
Instrument :

MSVOA_V

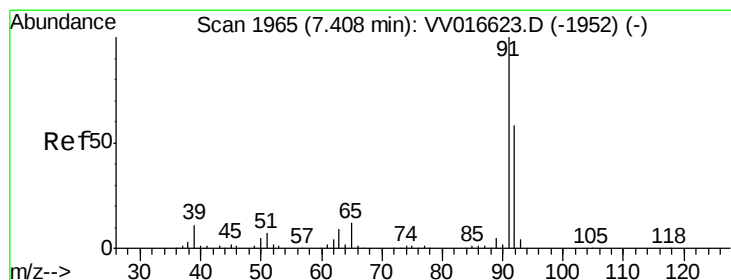
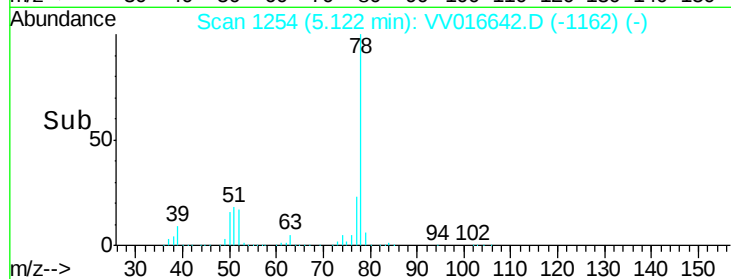
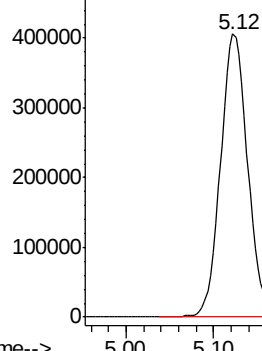
ClientSampleId :

F9E41DL

Tgt Ion: 78 Resp: 877413



Abundance Ion 78.00 (77.70 to 78.70): VV0



#42

Toluene

Concen: 111.015 ug/L

RT: 7.41 min Scan# 1965

Delta R.T. -0.00 min

Lab File: VV016642.D

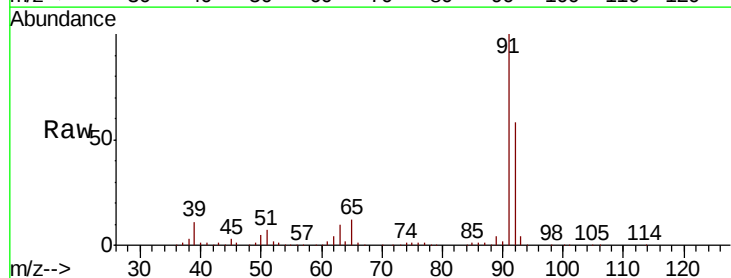
Acq: 07 Jun 2020 14:05

Tgt Ion: 91 Resp: 1076715

Ion Ratio Lower Upper

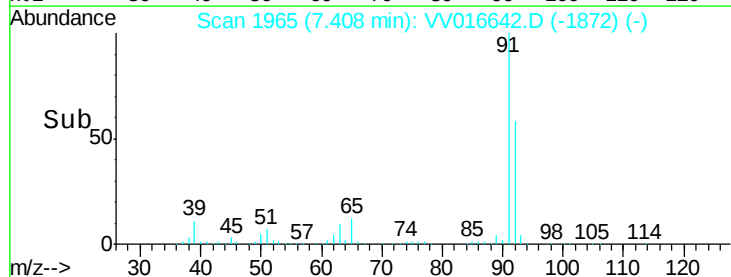
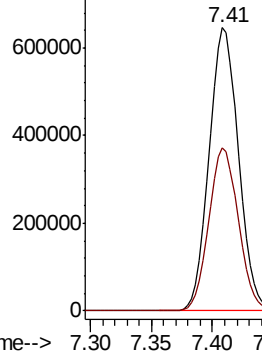
91 100

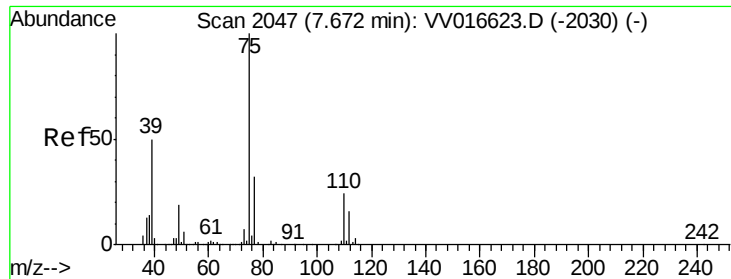
92 57.8 40.9 75.9



Abundance Ion 91.00 (90.70 to 91.70): VV0

Ion 92.00 (91.70 to 92.70): VV0





#44

trans-1,3-Dichloropropene

Concen: 0.939 ug/L

RT: 7.64 min Scan# 2038

Delta R.T. -0.03 min

Lab File: VV016642.D

Acq: 07 Jun 2020 14:05

Instrument :

MSVOA_V

ClientSampleId :

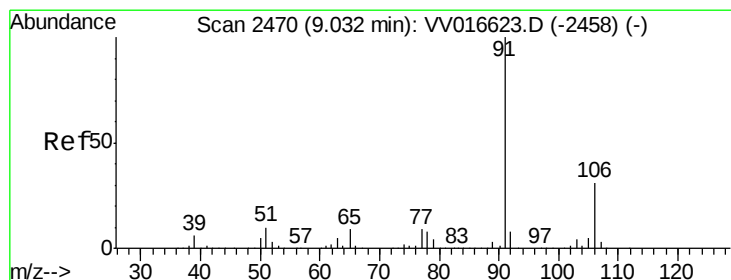
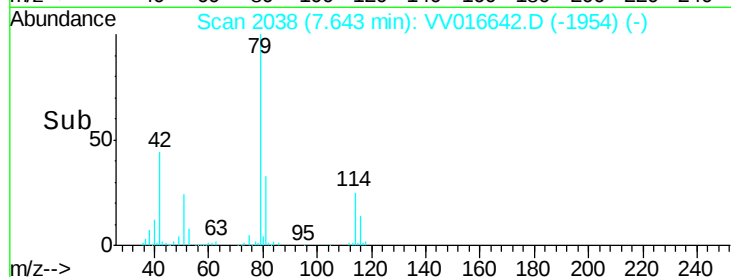
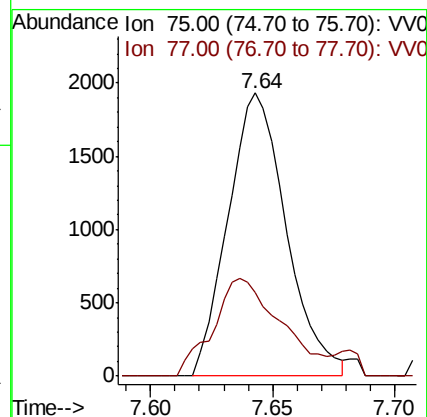
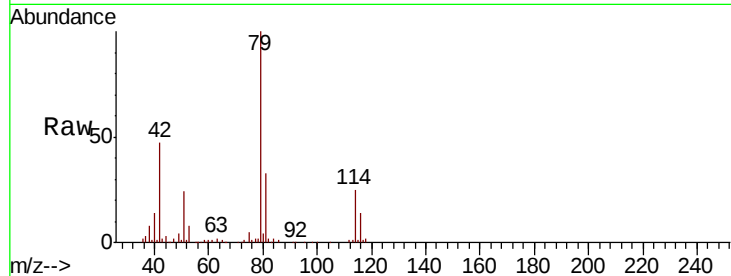
F9E41DL

Tot Ion: 75 Resp: 3205

Ion Ratio Lower Upper

75 100

77 29.7 22.2 41.2



#52

Ethylbenzene

Concen: 32.959 ug/L

RT: 9.03 min Scan# 2470

Delta R.T. -0.00 min

Lab File: VV016642.D

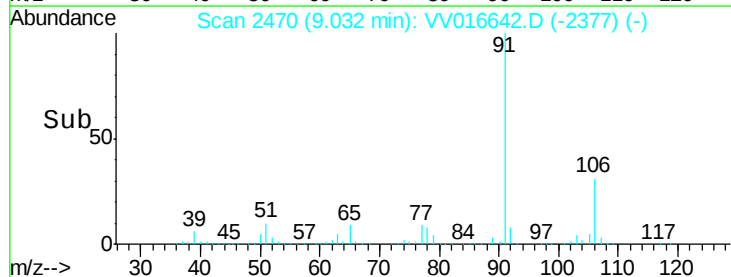
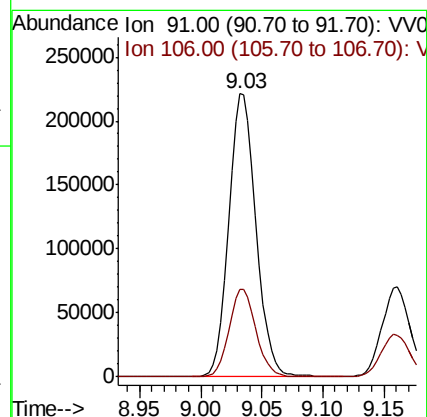
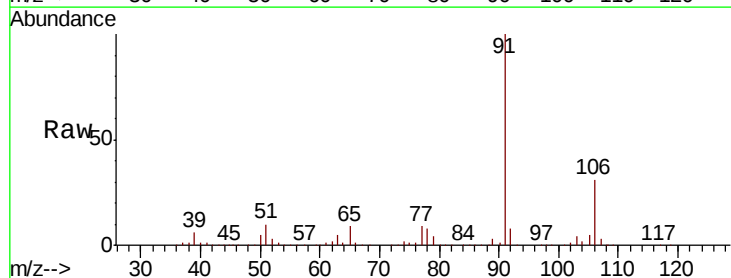
Acq: 07 Jun 2020 14:05

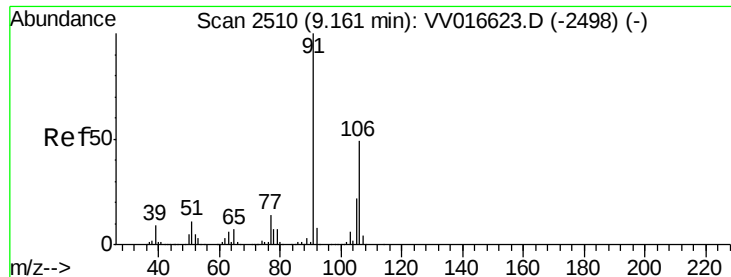
Tgt Ion: 91 Resp: 347915

Ion Ratio Lower Upper

91 100

106 31.1 21.8 40.4





#53

m,p-Xylene

Concen: 13.836 ug/L

RT: 9.16 min Scan# 2509

Delta R.T. -0.00 min

Lab File: VV016642.D

Acq: 07 Jun 2020 14:05

Instrument :

MSVOA_V

ClientSampleID :

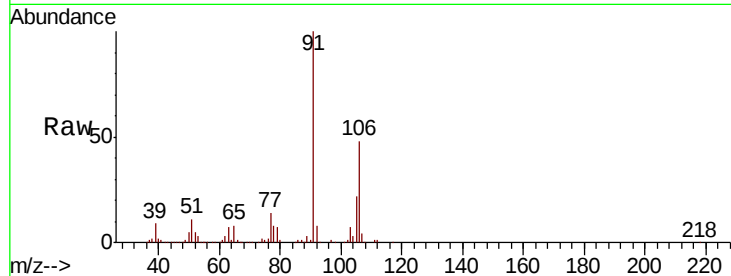
F9E41DL

Tot Ion:106 Resp: 55073

Ion Ratio Lower Upper

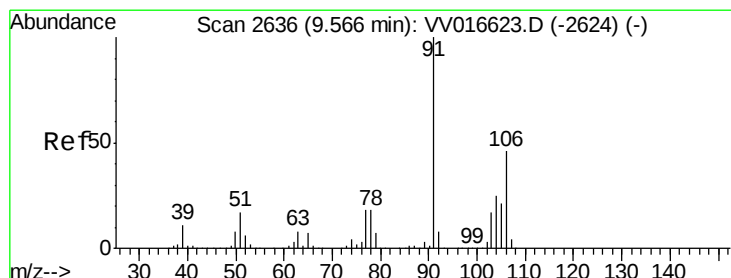
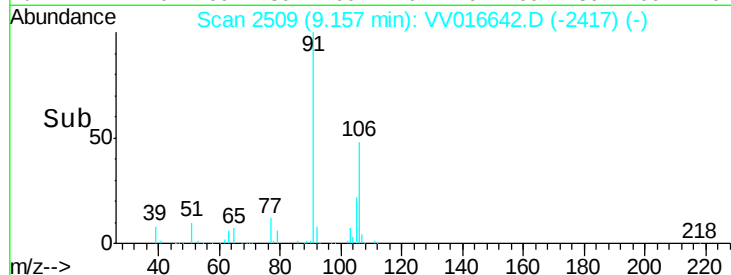
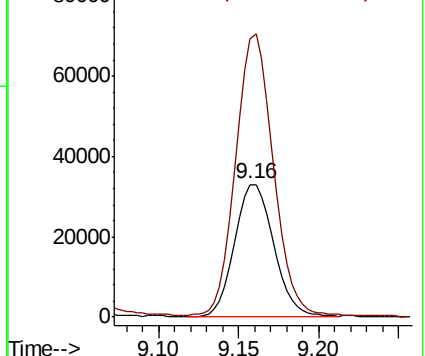
106 100

91 210.3 142.5 264.6



Abundance Ion 106.00 (105.70 to 106.70): V

Ion 91.00 (90.70 to 91.70): VV0



#54

o-xylene

Concen: 12.864 ug/L

RT: 9.57 min Scan# 2636

Delta R.T. -0.00 min

Lab File: VV016642.D

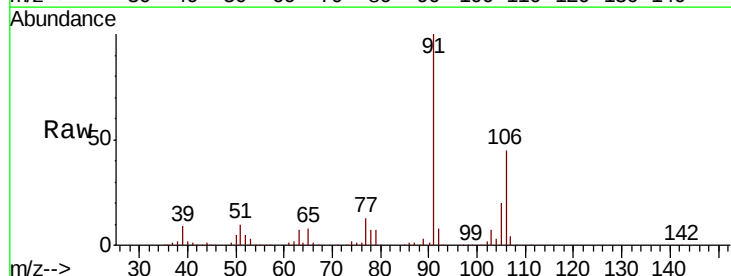
Acq: 07 Jun 2020 14:05

Tgt Ion:106 Resp: 49588

Ion Ratio Lower Upper

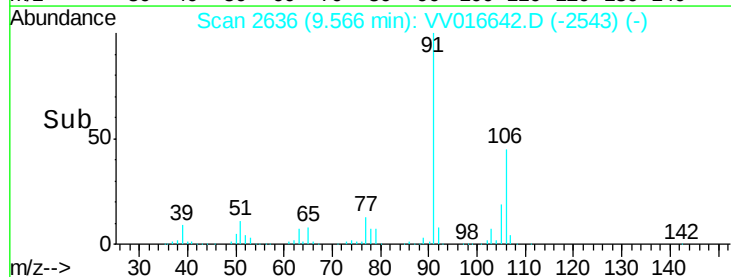
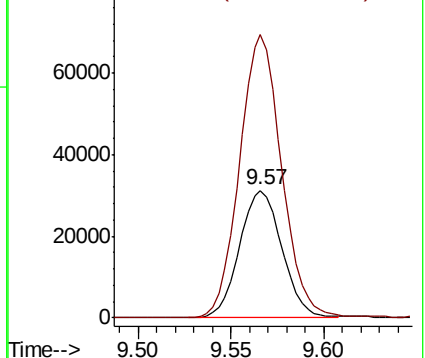
106 100

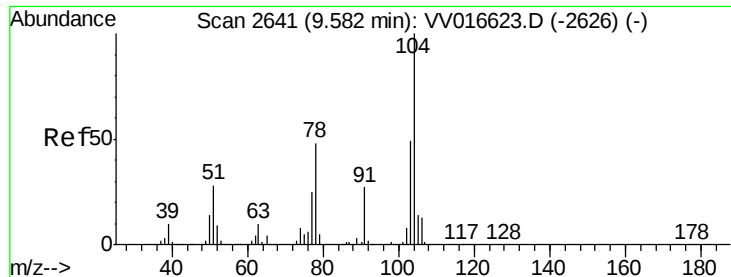
91 221.7 152.5 283.1



Abundance Ion 106.00 (105.70 to 106.70): V

Ion 91.00 (90.70 to 91.70): VV0





#55

Stvrene

Concen: 0.643 ug/L

RT: 9.57 min Scan# 2637

Delta R.T. -0.01 min

Lab File: VV016642.D

Acq: 07 Jun 2020 14:05

Instrument :

MSVOA_V

ClientSampled :

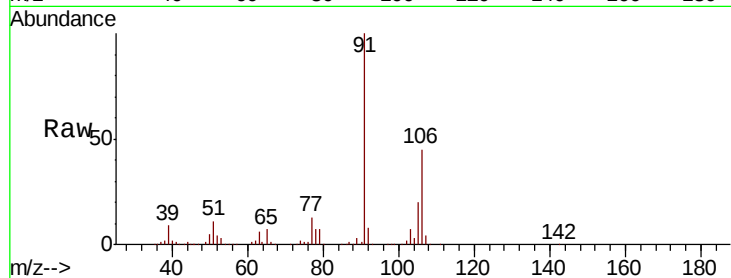
F9E41DL

Tot Ion:104 Resp: 4345

Ion Ratio Lower Upper

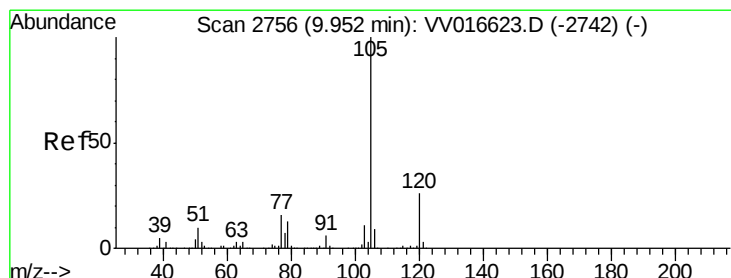
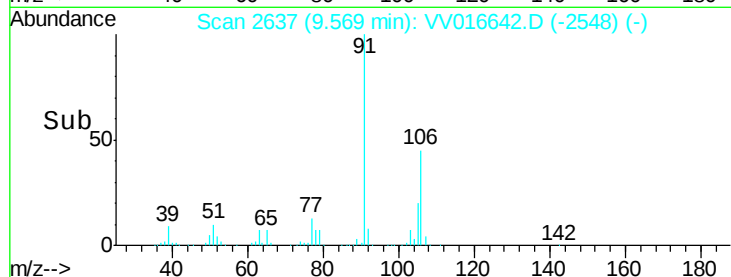
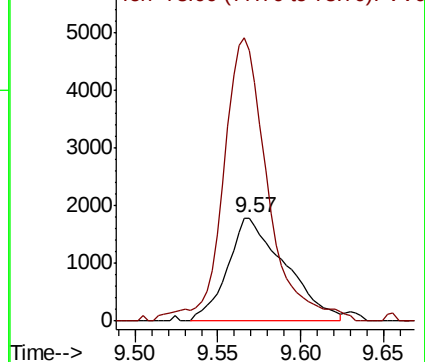
104 100

78 261.2 31.9 59.3#



Abundance Ion 104.00 (103.70 to 104.70): V

Ion 78.00 (77.70 to 78.70): VV0



#56

Isopropylbenzene

Concen: 0.598 ug/L

RT: 9.95 min Scan# 2757

Delta R.T. 0.00 min

Lab File: VV016642.D

Acq: 07 Jun 2020 14:05

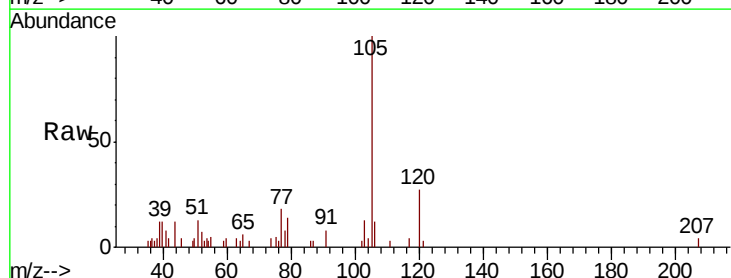
Tgt Ion:105 Resp: 5987

Ion Ratio Lower Upper

105 100

120 28.6 21.0 31.6

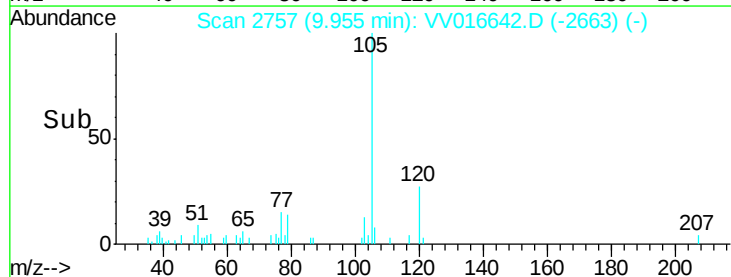
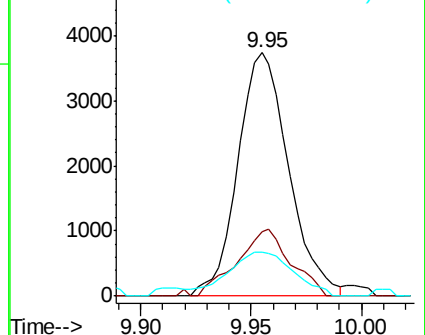
77 23.2 13.0 19.4#

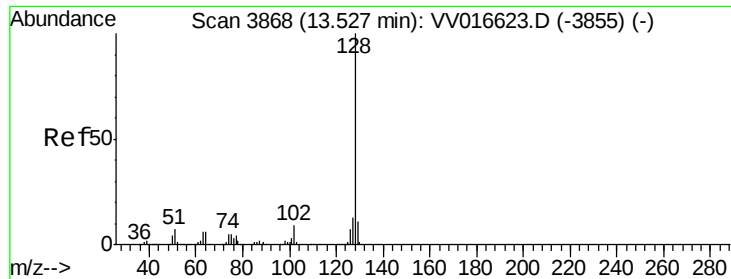


Abundance Ion 105.00 (104.70 to 105.70): V

Ion 120.00 (119.70 to 120.70): V

Ion 77.00 (76.70 to 77.70): VV0





#69

Naphthalene

Concen: 1.900 ug/L

RT: 13.53 min Scan# 3869

Delta R.T. 0.00 min

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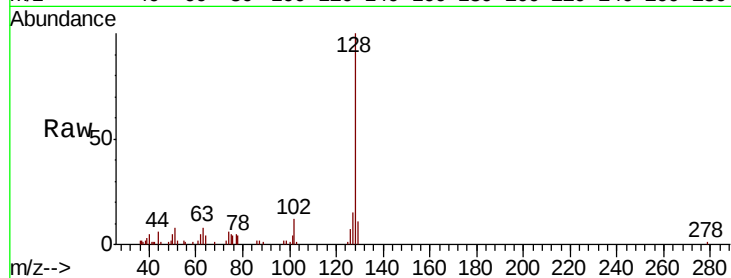
Tot Ion:128 Resp: 16688

Ion Ratio Lower Upper

128 100

127 14.5 10.2 15.4

129 11.1 8.7 13.1



Abundance Ion 128.00 (127.70 to 128.70): V

Ion 127.00 (126.70 to 127.70): V

Ion 129.00 (128.70 to 129.70): V

