

Data Path : Z:\VOASRV\HPCHEM1\MSVOA V\DATA\VV060820\
 Data File : VV016666.D
 Acq On : 08 Jun 2020 17:48
 Operator : SY/MD
 Sample : L2861-08DL 100X
 Misc : 5.0mL/MSVOA V/WATER
 ALS Vial : 22 Sample Multiplier: 1

Instrument :
 MSVOA_V
 ClientSampleId :
 F9E40DL

Quant Time: Jun 09 01:09:18 2020
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_V\METHOD\SOMVLM060820WMA.M
 Quant Title : VOC Analysis
 QLast Update : Tue Jun 09 01:02:25 2020
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Difluorobenzene	5.64	114	377620	50.00	ug/L	0.00
28) Chlorobenzene-d5	8.87	117	354493	50.00	ug/L	0.00
60) 1,4-Dichlorobenzene-d4	11.27	152	176832	50.00	ug/L	0.00

System Monitoring Compounds

4) Vinyl Chloride-d3	1.31	65	111836	41.97	ug/L	0.00
Spiked Amount	50.000	Range	60 - 135	Recovery	=	83.94%
7) Chloroethane-d5	1.56	69	79733	49.87	ug/L	0.00
Spiked Amount	50.000	Range	70 - 130	Recovery	=	99.74%
11) 1,1-Dichloroethene-d2	2.12	63	153073	34.21	ug/L	0.00
Spiked Amount	50.000	Range	60 - 125	Recovery	=	68.42%
21) 2-Butanone-d5	3.89	46	188434	95.55	ug/L	0.00
Spiked Amount	100.000	Range	40 - 130	Recovery	=	95.55%
24) Chloroform-d	4.37	84	242853	44.82	ug/L	0.00
Spiked Amount	50.000	Range	70 - 125	Recovery	=	89.64%
26) 1,2-Dichloroethane-d4	5.05	65	171659	46.58	ug/L	0.00
Spiked Amount	50.000	Range	70 - 125	Recovery	=	93.16%
32) Benzene-d6	5.07	84	487180	47.68	ug/L	0.00
Spiked Amount	50.000	Range	70 - 125	Recovery	=	95.36%
36) 1,2-Dichloropropane-d6	6.09	67	151760	47.64	ug/L	0.00
Spiked Amount	50.000	Range	70 - 120	Recovery	=	95.28%
41) Toluene-d8	7.34	98	438772	46.79	ug/L	0.00
Spiked Amount	50.000	Range	80 - 120	Recovery	=	93.58%
43) trans-1,3-Dichloropropene-	7.64	79	73121	44.08	ug/L	0.00
Spiked Amount	50.000	Range	60 - 125	Recovery	=	88.16%
47) 2-Hexanone-d5	8.11	63	133175	95.90	ug/L	0.00
Spiked Amount	100.000	Range	45 - 130	Recovery	=	95.90%
57) 1,1,2,2-Tetrachloroethane-	10.24	84	204645	48.53	ug/L	0.00
Spiked Amount	50.000	Range	65 - 120	Recovery	=	97.06%
64) 1,2-Dichlorobenzene-d4	11.65	152	187732	49.75	ug/L	0.00
Spiked Amount	50.000	Range	80 - 120	Recovery	=	99.50%

Target Compounds

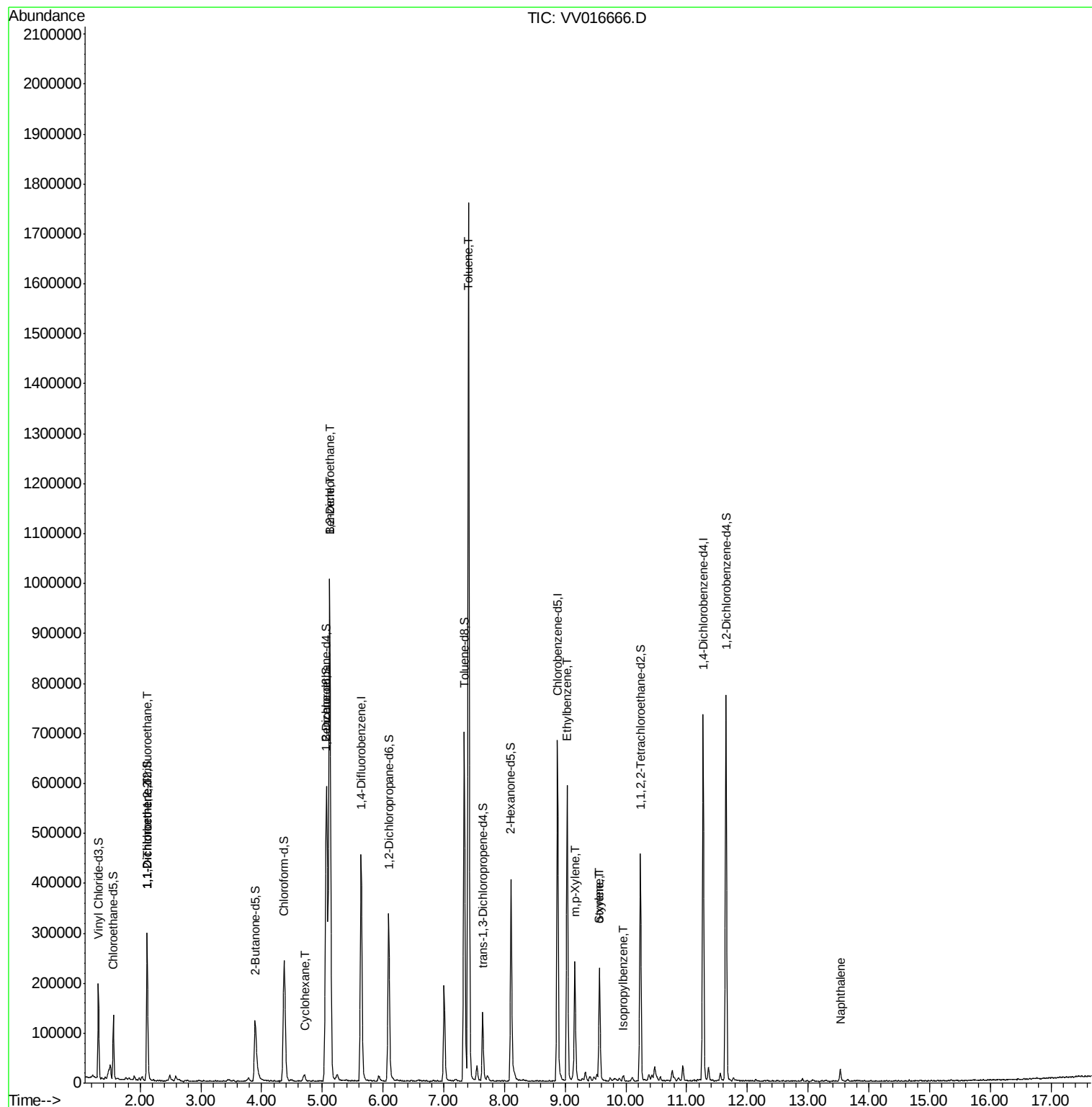
Target Compounds	R.T.	QIon	Response	Conc	Units	Ovalue
10) 1,1,2-Trichloro-1,2,2-trif	2.12	101	1400	0.697	ug/L #	22
12) 1,1-Dichloroethene	2.12	96	1383	0.738	ug/L #	1
27) 1,2-Dichloroethane	5.12	62	9917	2.393	ug/L #	74
29) Cyclohexane	4.70	56	7111	1.614	ug/L	98
33) Benzene	5.12	78	960877	91.613	ug/L	100
42) Toluene	7.41	91	1211143	109.539	ug/L	100
52) Ethylbenzene	9.03	91	394677	32.227	ug/L	99
53) m,p-Xylene	9.16	106	63721	13.974	ug/L	95
54) o-xylene	9.57	106	56702	12.608	ug/L	99
55) Styrene	9.57	104	4667	0.614	ug/L #	1
56) Isopropylbenzene	9.95	105	6927	0.573	ug/L #	91
69) Naphthalene	13.53	128	18839	1.710	ug/L	98

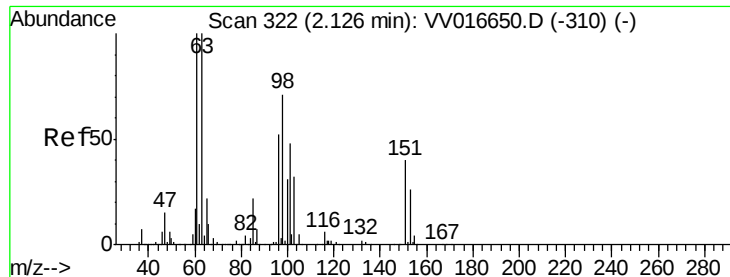
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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QLast Update : Tue Jun 09 01:02:25 2020
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#10

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

Concen: 0.697 ug/L

RT: 2.12 min Scan# 319

Delta R.T. -0.01 min

Lab File: VV016666.D

Acq: 08 Jun 2020 17:48

Instrument :

MSVOA_V

ClientSampleId :

F9E40DL

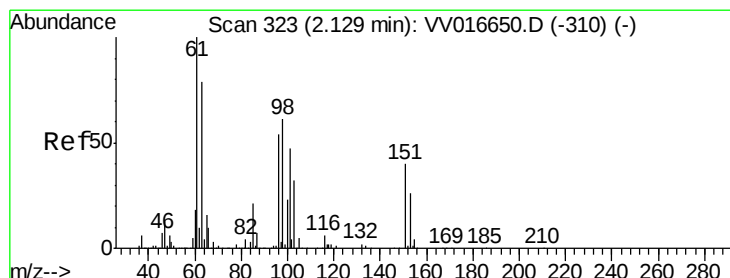
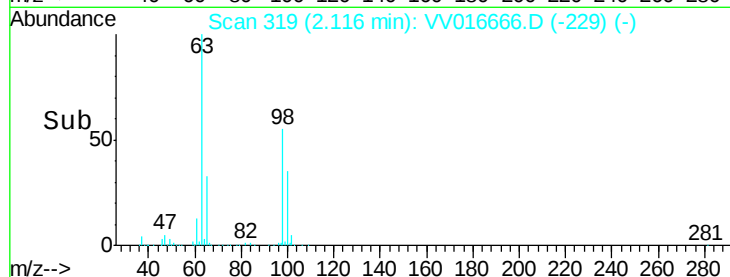
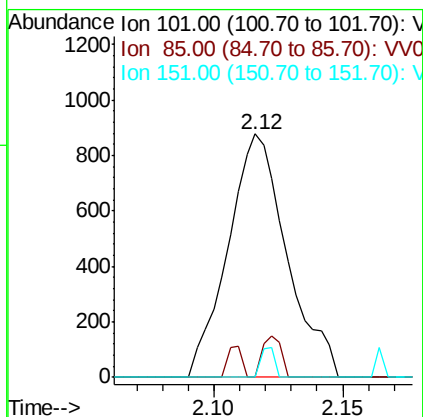
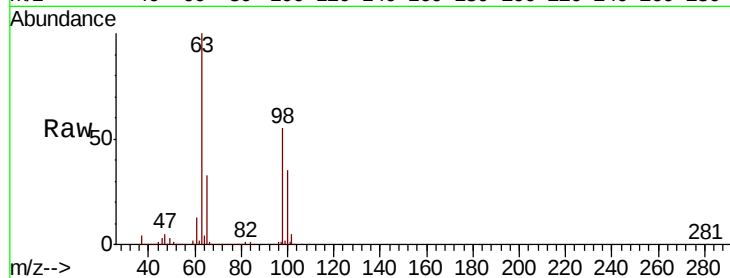
Tot Ion:101 Resp: 1400

Ion Ratio Lower Upper

101 100

85 5.5 35.5 53.3#

151 2.9 63.9 95.9#



#12

1,1-Dichloroethene

Concen: 0.738 ug/L

RT: 2.12 min Scan# 319

Delta R.T. -0.01 min

Lab File: VV016666.D

Acq: 08 Jun 2020 17:48

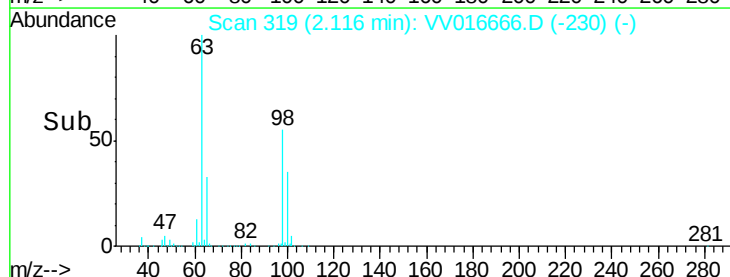
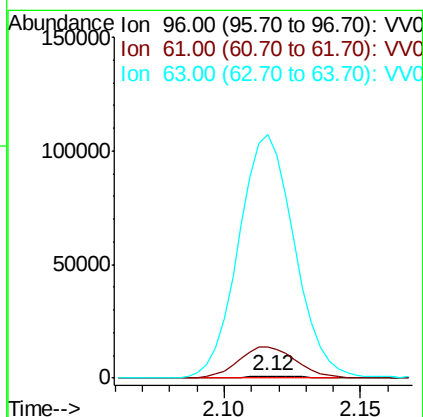
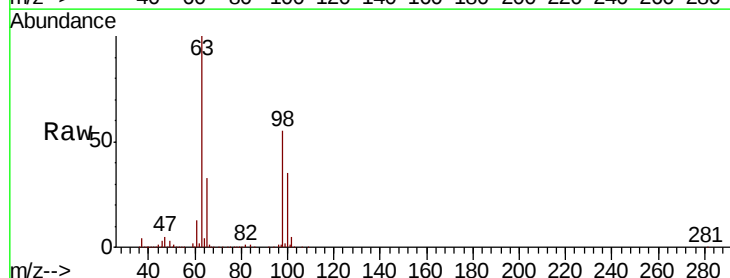
Tgt Ion: 96 Resp: 1383

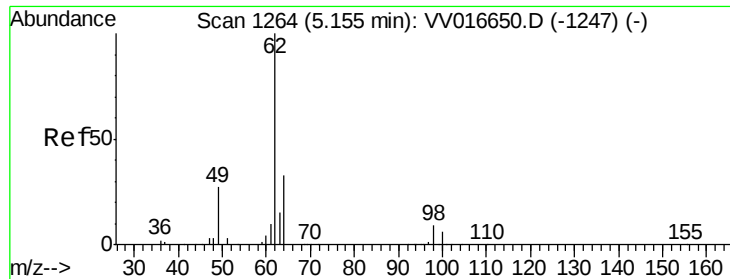
Ion Ratio Lower Upper

96 100

61 1660.6 130.4 242.2#

63 12804.8 103.3 191.9#





#27

1,2-Dichloroethane

Concen: 2.393 ug/L

RT: 5.12 min Scan# 1253

Delta R.T. -0.04 min

Lab File: VV016666.D

Acq: 08 Jun 2020 17:48

Instrument :

MSVOA_V

ClientSampleId :

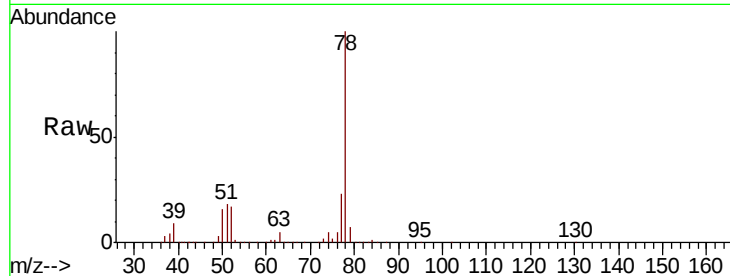
F9E40DL

Tot Ion: 62 Resp: 9917

Ion Ratio Lower Upper

62 100

98 0.0 7.4 11.2#



Abundance Ion 62.00 (61.70 to 62.70): VV0

Ion 98.00 (97.70 to 98.70): VV0

5000

4000

3000

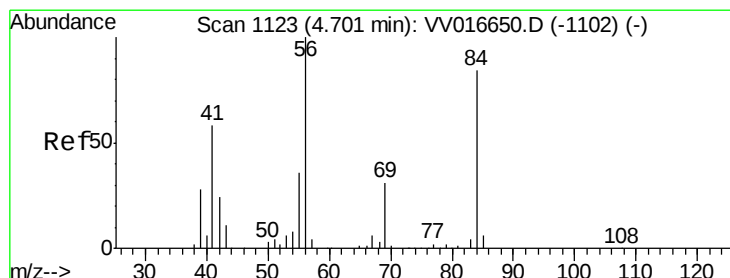
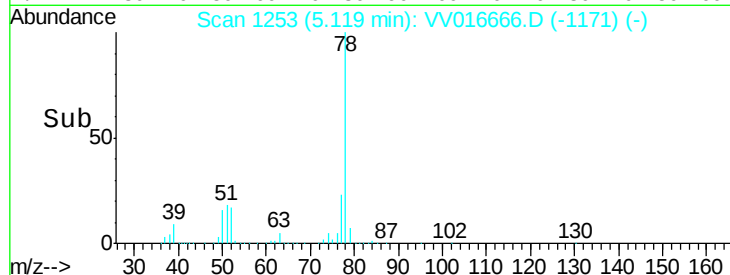
2000

1000

0

5.05 5.10 5.15 5.20

Time-->



#29

Cyclohexane

Concen: 1.614 ug/L

RT: 4.70 min Scan# 1123

Delta R.T. -0.00 min

Lab File: VV016666.D

Acq: 08 Jun 2020 17:48

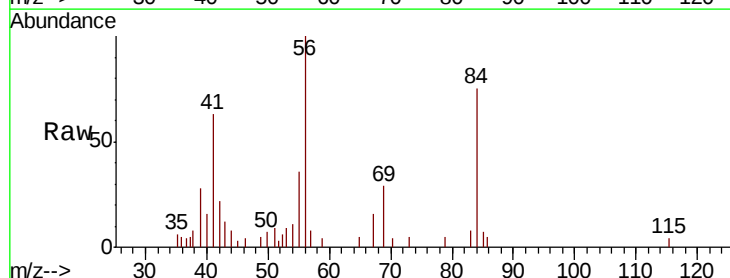
Tgt Ion: 56 Resp: 7111

Ion Ratio Lower Upper

56 100

69 29.9 25.0 37.4

84 84.8 69.5 104.3



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

4000

3000

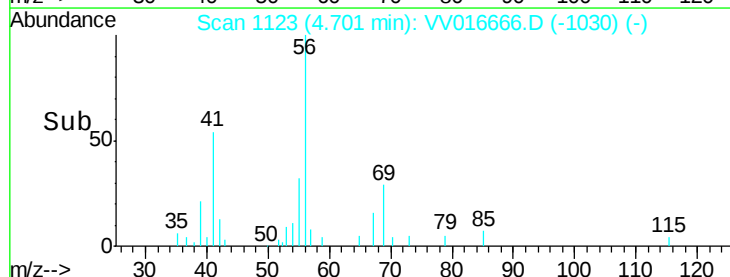
2000

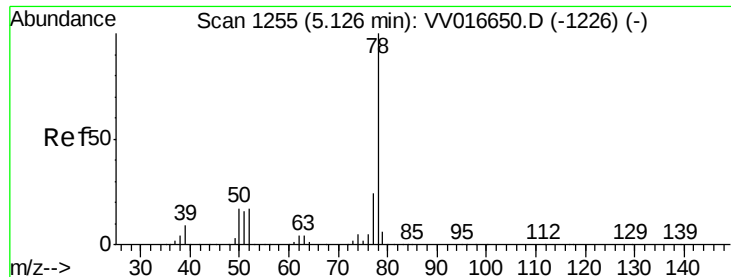
1000

0

4.65 4.70 4.75

Time-->





#33

Benzene

Concen: 91.613 ug/L

RT: 5.12 min Scan# 1254

Delta R.T. -0.00 min

Lab File: VV016666.D

Acq: 08 Jun 2020 17:48

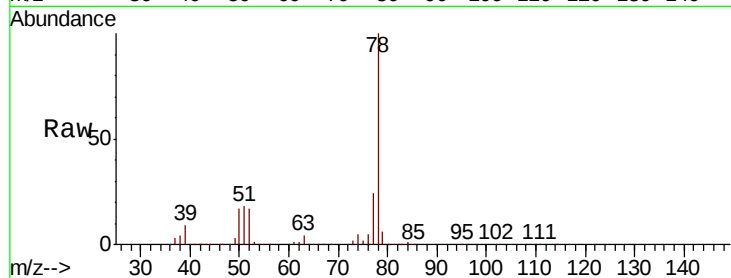
Instrument :

MSVOA_V

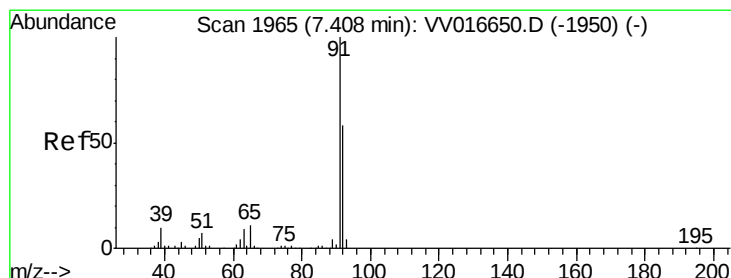
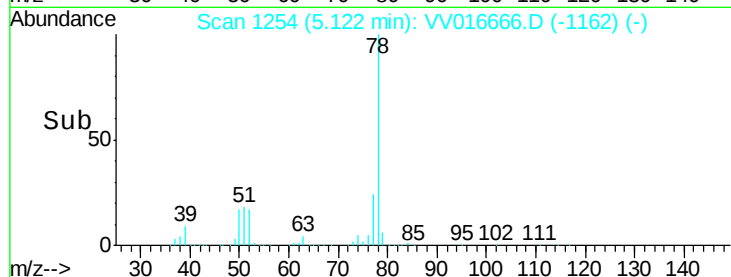
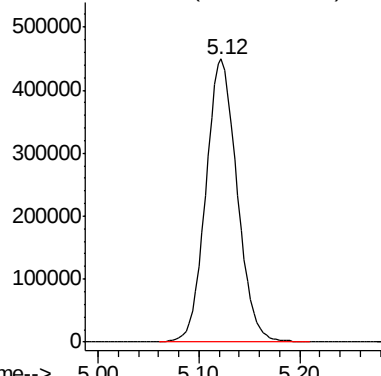
ClientSampleId :

F9E40DL

Tgt Ion: 78 Resp: 960877



Abundance Ion 78.00 (77.70 to 78.70): VV0



#42

Toluene

Concen: 109.539 ug/L

RT: 7.41 min Scan# 1965

Delta R.T. -0.00 min

Lab File: VV016666.D

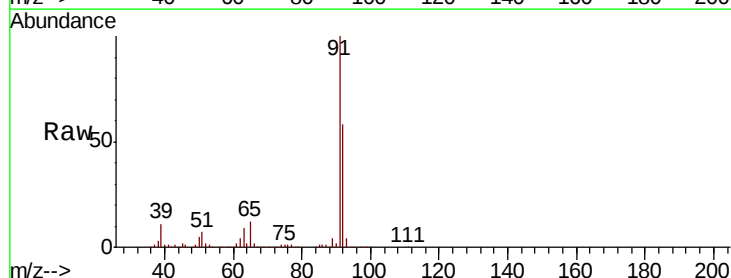
Acq: 08 Jun 2020 17:48

Tgt Ion: 91 Resp: 1211143

Ion Ratio Lower Upper

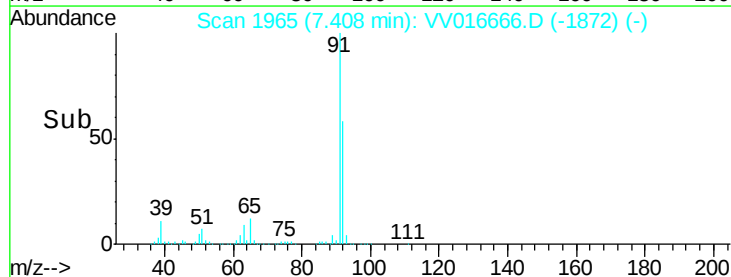
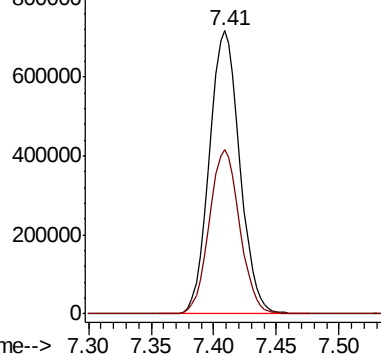
91 100

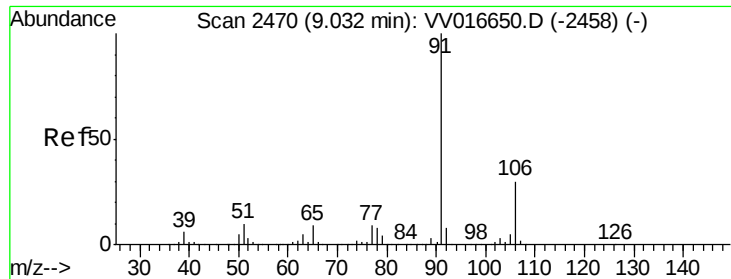
92 57.9 40.4 75.0



Abundance Ion 91.00 (90.70 to 91.70): VV0

Ion 92.00 (91.70 to 92.70): VV0





#52

Ethylbenzene

Concen: 32.227 ug/L

RT: 9.03 min Scan# 2470

Delta R.T. -0.00 min

Lab File: VV016666.D

Acq: 08 Jun 2020 17:48

Instrument :

MSVOA_V

ClientSampleId :

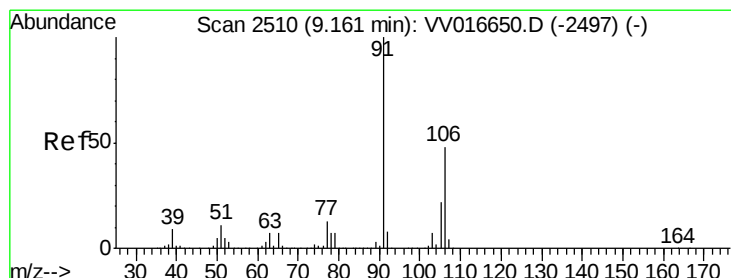
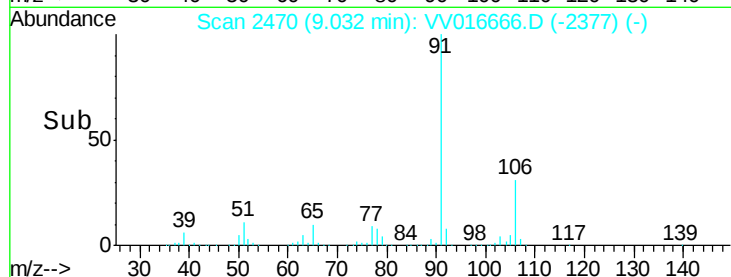
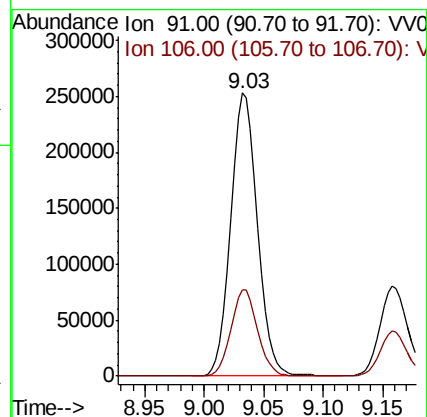
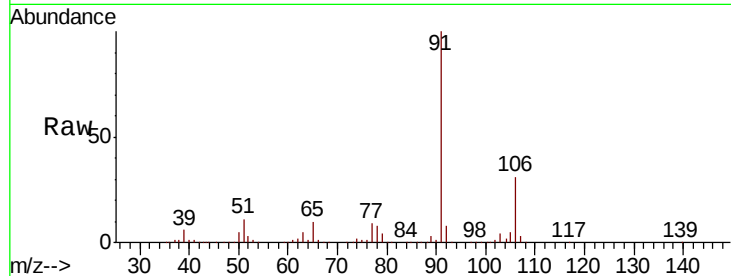
F9E40DL

Tot Ion: 91 Resp: 394677

Ion Ratio Lower Upper

91 100

106 30.7 21.1 39.1



#53

m,p-Xylene

Concen: 13.974 ug/L

RT: 9.16 min Scan# 2509

Delta R.T. -0.00 min

Lab File: VV016666.D

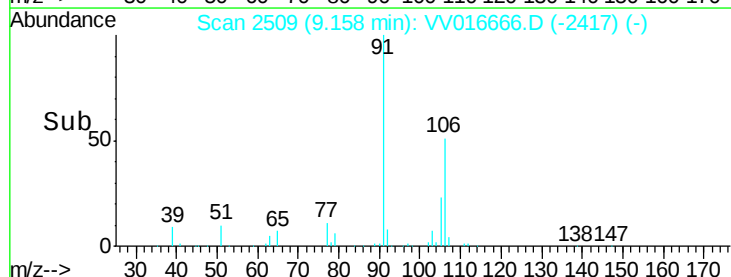
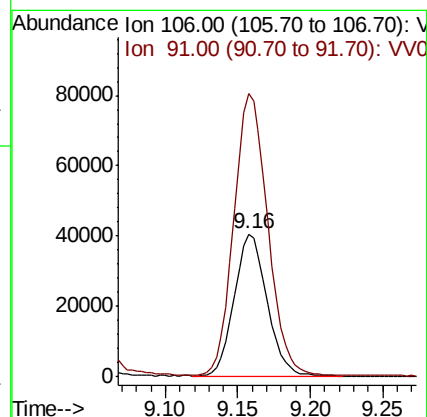
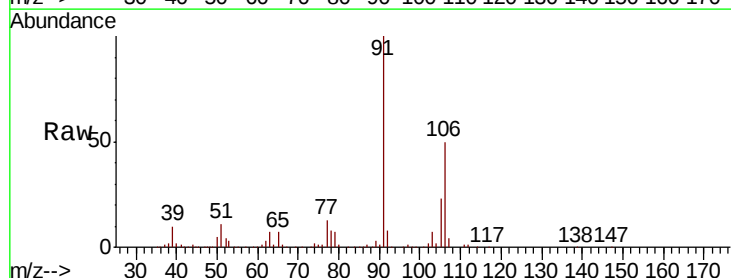
Acq: 08 Jun 2020 17:48

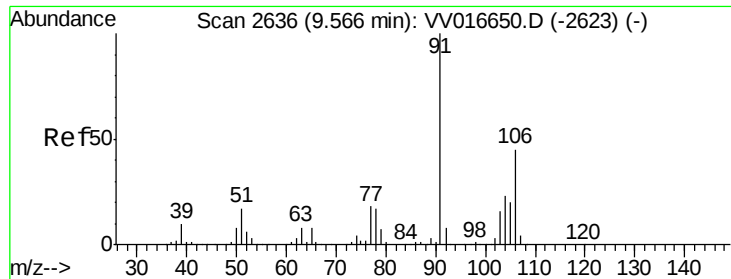
Tgt Ion: 106 Resp: 63721

Ion Ratio Lower Upper

106 100

91 198.3 144.6 268.6





#54

o-xylene

Concen: 12.608 ug/L

RT: 9.57 min Scan# 2636

Delta R.T. -0.00 min

Lab File: VV016666.D

Acq: 08 Jun 2020 17:48

Instrument :

MSVOA_V

ClientSampleId :

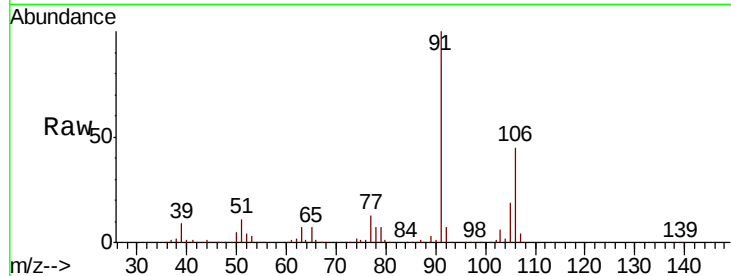
F9E40DL

Tot Ion:106 Resp: 56702

Ion Ratio Lower Upper

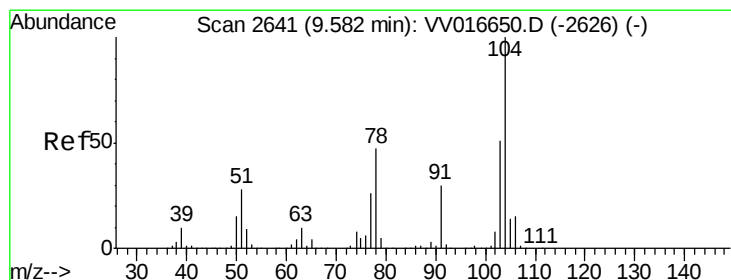
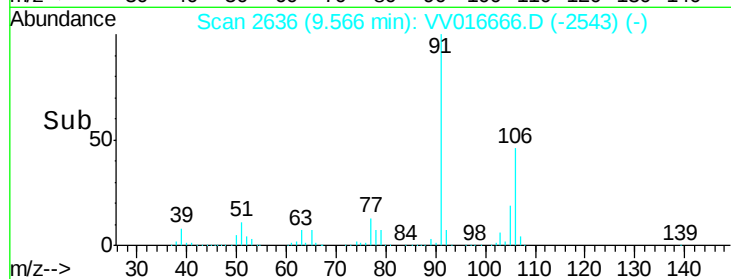
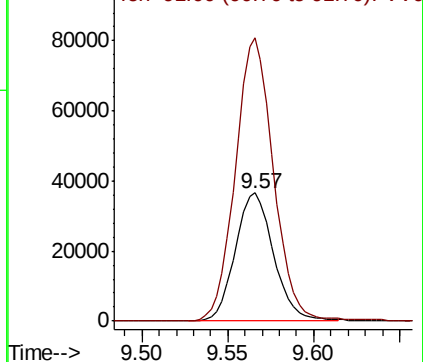
106 100

91 220.5 155.9 289.5



Abundance Ion 106.00 (105.70 to 106.70): V

Ion 91.00 (90.70 to 91.70): VV0



#55

Styrene

Concen: 0.614 ug/L

RT: 9.57 min Scan# 2636

Delta R.T. -0.02 min

Lab File: VV016666.D

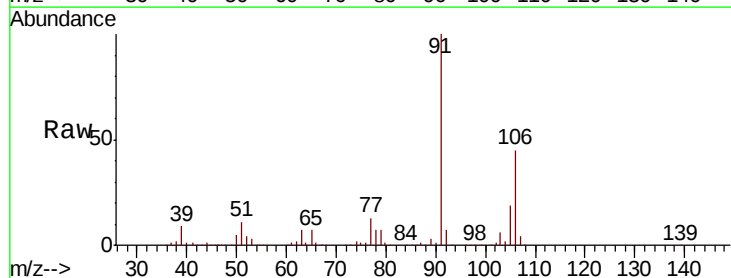
Acq: 08 Jun 2020 17:48

Tgt Ion:104 Resp: 4667

Ion Ratio Lower Upper

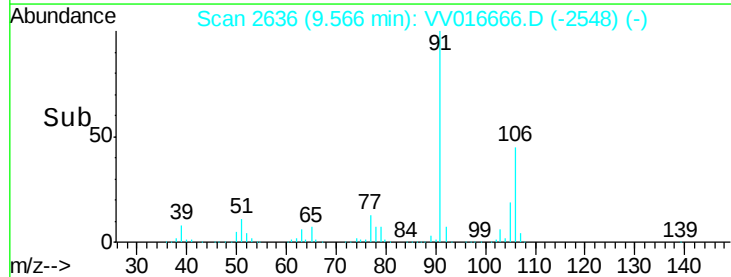
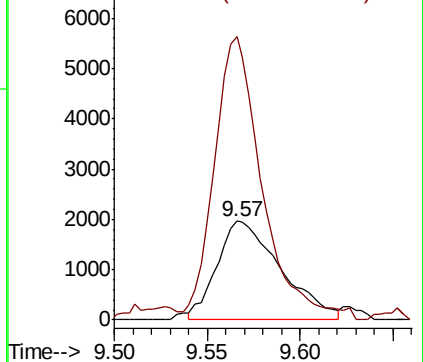
104 100

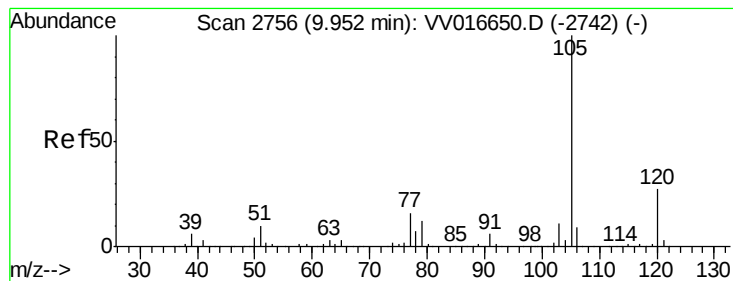
78 286.3 32.6 60.6#



Abundance Ion 104.00 (103.70 to 104.70): V

Ion 78.00 (77.70 to 78.70): VV0





#56

Isopropylbenzene

Concen: 0.573 ug/L

RT: 9.95 min Scan# 2757

Delta R.T. 0.00 min

Lab File: VV016666.D

Acq: 08 Jun 2020 17:48

Instrument :

MSVOA_V

ClientSampled :

F9E40DL

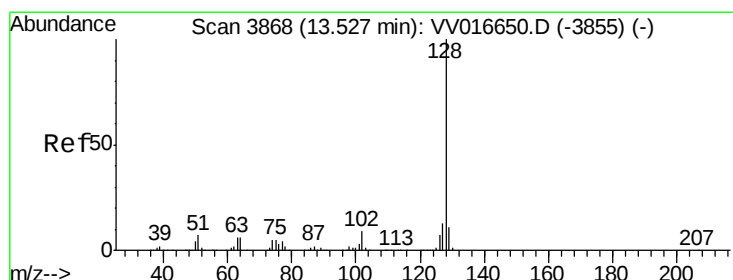
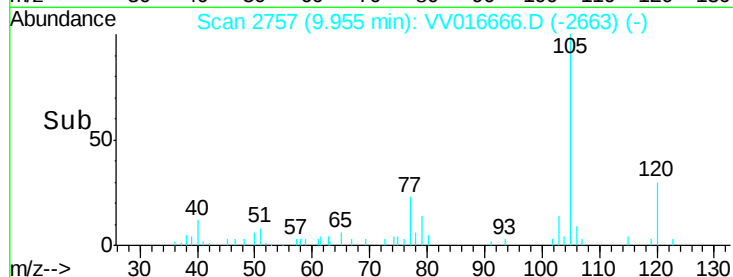
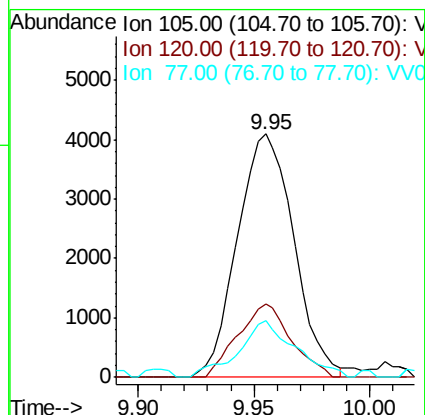
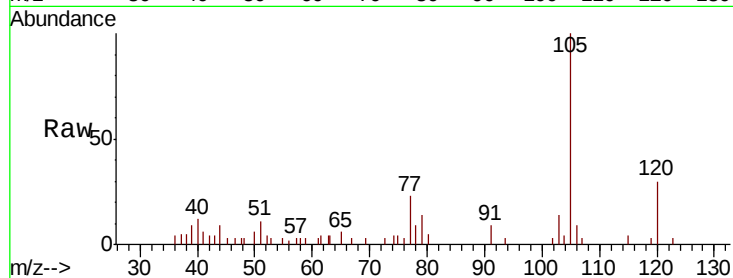
Tot Ion:105 Resp: 6927

Ion Ratio Lower Upper

105 100

120 28.5 21.2 31.8

77 23.3 13.0 19.4#



#69

Naphthalene

Concen: 1.710 ug/L

RT: 13.53 min Scan# 3869

Delta R.T. 0.00 min

Lab File: VV016666.D

Acq: 08 Jun 2020 17:48

Tgt Ion:128 Resp: 18839

Ion Ratio Lower Upper

128 100

127 13.8 10.5 15.7

129 10.3 8.7 13.1

