

Data Path : Z:\VOASRV\HPCHEM1\MSVOA V\DATA\VV100920\
 Data File : VV018791.D
 Acq On : 09 Oct 2020 03:48
 Operator : SY/MD
 Sample : L4239-19DL 50X
 Misc : 5.0mL/MSVOA V/WATER
 ALS Vial : 22 Sample Multiplier: 1

Instrument :
 MSVOA_V
 ClientSampleId :
 BG3W1DL

Quant Time: Oct 09 08:36:26 2020
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_V\METHOD\SOMVLM100820WMA.M
 Quant Title : VOC Analysis
 QLast Update : Fri Oct 09 07:31:27 2020
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Difluorobenzene	5.64	114	309927	50.00	ug/L	0.00
28) Chlorobenzene-d5	8.87	117	310627	50.00	ug/L	0.00
60) 1,4-Dichlorobenzene-d4	11.27	152	160768	50.00	ug/L	0.00

System Monitoring Compounds

4) Vinyl Chloride-d3	1.32	65	132721	47.13	ug/L	0.00
Spiked Amount	50.000	Range	60 - 135	Recovery	=	94.26%
7) Chloroethane-d5	1.58	69	109165	48.16	ug/L	0.00
Spiked Amount	50.000	Range	70 - 130	Recovery	=	96.32%
11) 1,1-Dichloroethene-d2	2.12	63	199626	36.77	ug/L	0.00
Spiked Amount	50.000	Range	60 - 125	Recovery	=	73.54%
21) 2-Butanone-d5	3.90	46	189116	109.37	ug/L	0.00
Spiked Amount	100.000	Range	40 - 130	Recovery	=	109.37%
24) Chloroform-d	4.37	84	234518	47.20	ug/L	0.00
Spiked Amount	50.000	Range	70 - 125	Recovery	=	94.40%
26) 1,2-Dichloroethane-d4	5.05	65	165118	49.03	ug/L	0.00
Spiked Amount	50.000	Range	70 - 125	Recovery	=	98.06%
32) Benzene-d6	5.07	84	467298	46.74	ug/L	0.00
Spiked Amount	50.000	Range	70 - 125	Recovery	=	93.48%
36) 1,2-Dichloropropane-d6	6.09	67	159113	48.81	ug/L	0.00
Spiked Amount	50.000	Range	70 - 120	Recovery	=	97.62%
41) Toluene-d8	7.34	98	408532	46.04	ug/L	0.00
Spiked Amount	50.000	Range	80 - 120	Recovery	=	92.08%
43) trans-1,3-Dichloropropene-	7.64	79	69880	43.86	ug/L	0.00
Spiked Amount	50.000	Range	60 - 125	Recovery	=	87.72%
47) 2-Hexanone-d5	8.11	63	105220	92.10	ug/L	0.00
Spiked Amount	100.000	Range	45 - 130	Recovery	=	92.10%
57) 1,1,2,2-Tetrachloroethane-	10.24	84	154756	41.27	ug/L	0.00
Spiked Amount	50.000	Range	65 - 120	Recovery	=	82.54%
64) 1,2-Dichlorobenzene-d4	11.65	152	177465	49.88	ug/L	0.00
Spiked Amount	50.000	Range	80 - 120	Recovery	=	99.76%

Target Compounds

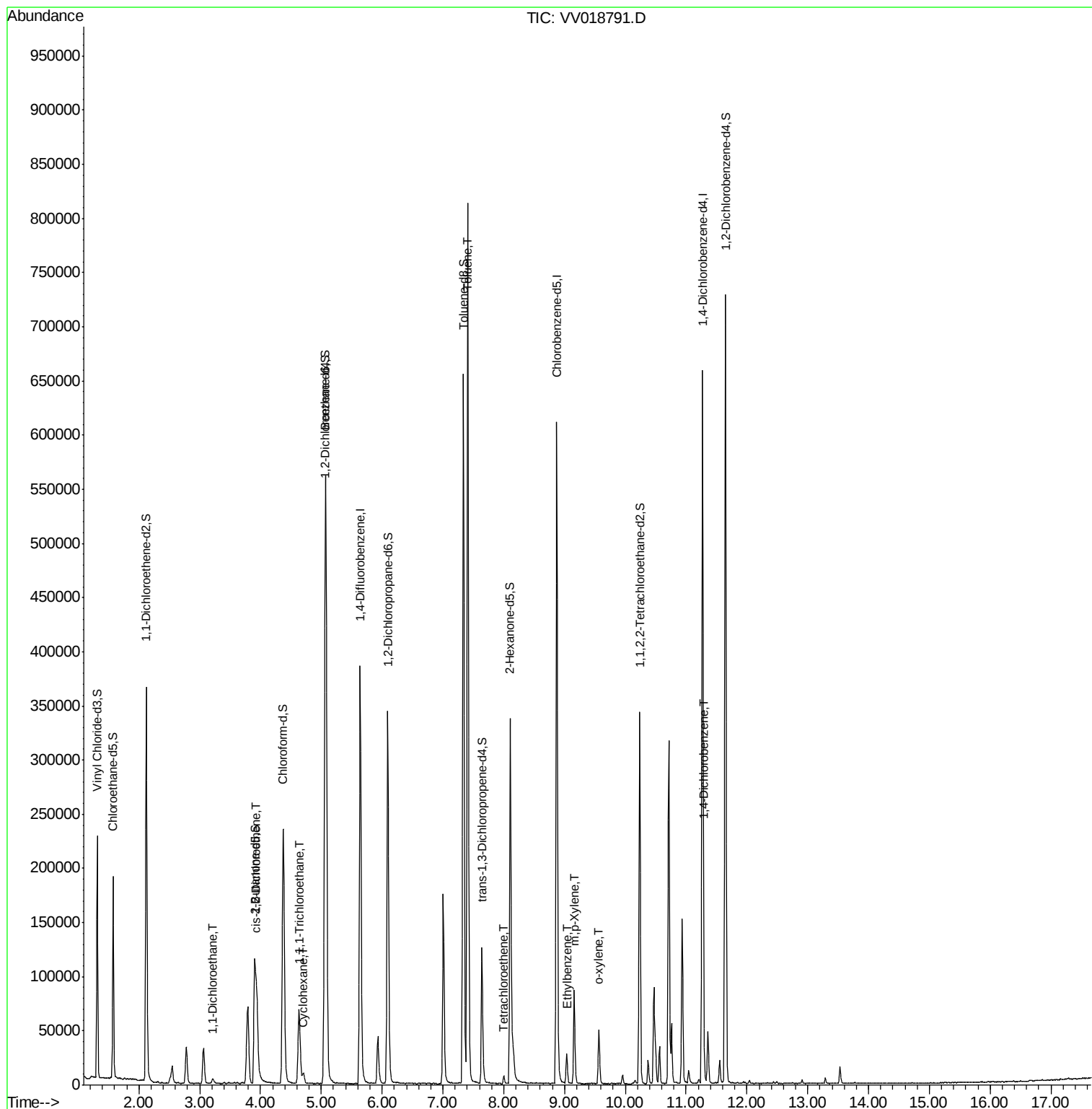
Target Compounds	R.T.	QIon	Response	Conc	Units	Ovalue
19) 1,1-Dichloroethane	3.22	63	4442	1.000	ug/L #	81
20) cis-1,2-Dichloroethene	3.94	96	30637	12.803	ug/L	98
29) Cyclohexane	4.70	56	5096	1.355	ug/L #	61
30) 1,1,1-Trichloroethane	4.64	97	56309	13.601	ug/L	99
42) Toluene	7.41	91	561703	55.492	ug/L	97
46) Tetrachloroethene	8.00	164	1510	0.726	ug/L	83
52) Ethylbenzene	9.04	91	19558	1.701	ug/L	97
53) m,p-Xylene	9.16	106	23265	5.514	ug/L	100
54) o-xylene	9.57	106	12515	3.123	ug/L	95
63) 1,4-Dichlorobenzene	11.30	146	3819	0.700	ug/L	94

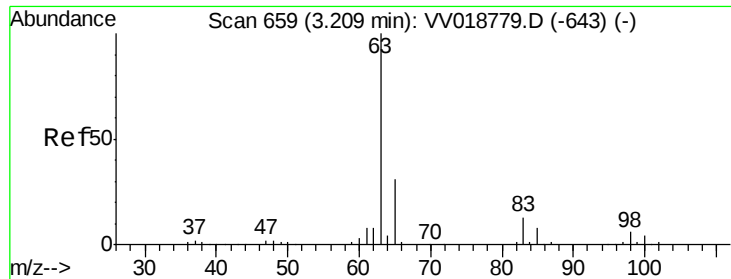
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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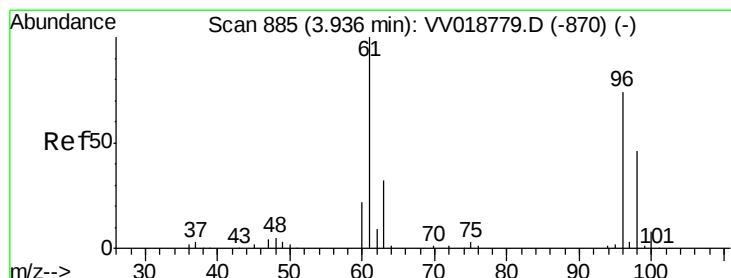
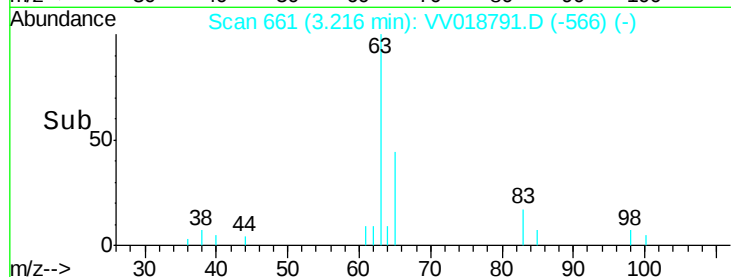
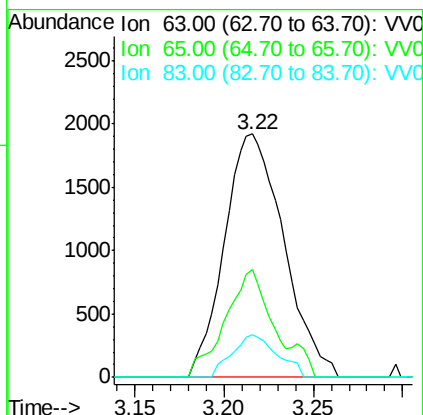
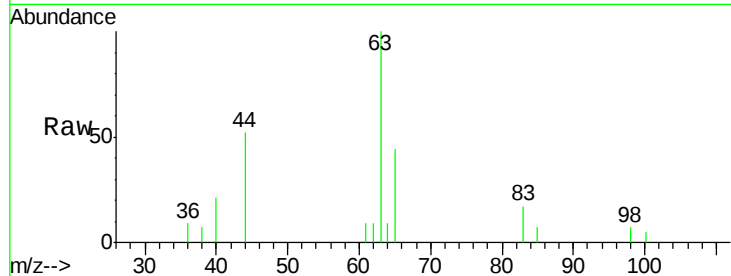




#19
 1,1-Dichloroethane
 Concen: 1.000 ug/L
 RT: 3.22 min Scan# 661
 Delta R.T. 0.01 min
 Lab File: VV018791.D
 Acq: 09 Oct 2020 03:48

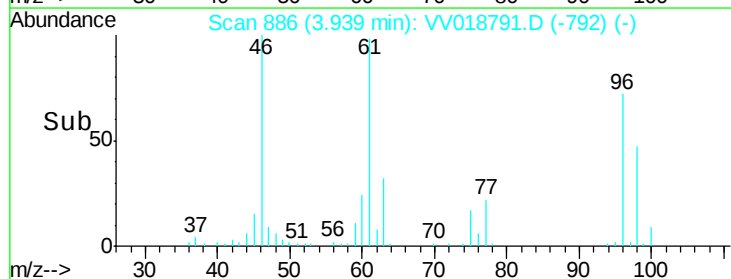
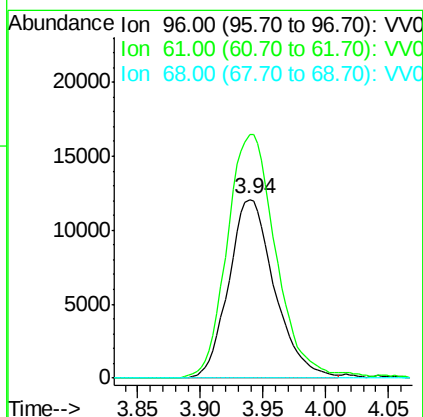
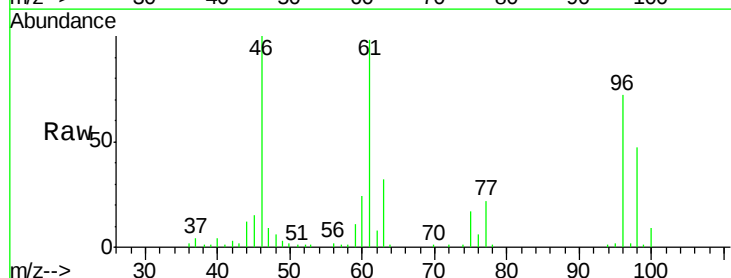
Instrument :
 MSVOA_V
 ClientSampleID :
 BG3W1DL

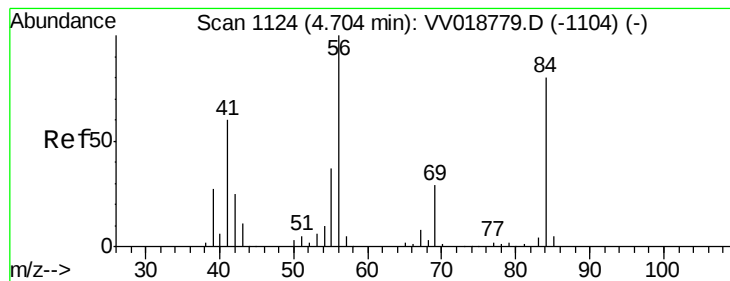
Tot Ion: 63 Resp: 4442
 Ion Ratio Lower Upper
 63 100
 65 44.1 22.0 40.8#
 83 17.4 9.2 17.0#



#20
 cis-1,2-Dichloroethene
 Concen: 12.803 ug/L
 RT: 3.94 min Scan# 886
 Delta R.T. 0.00 min
 Lab File: VV018791.D
 Acq: 09 Oct 2020 03:48

Tgt Ion: 96 Resp: 30637
 Ion Ratio Lower Upper
 96 100
 61 136.1 97.3 180.7
 68 0.0 0.0 0.0





#29

Cyclohexane

Concen: 1.355 ug/L

RT: 4.70 min Scan# 1123

Delta R.T. -0.00 min

Lab File: VV018791.D

Acq: 09 Oct 2020 03:48

Instrument :

MSVOA_V

ClientSampleId :

BG3W1DL

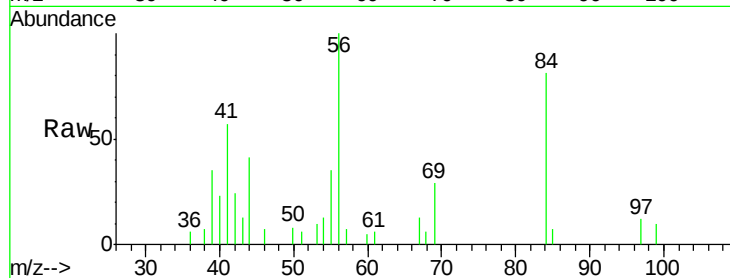
Tot Ion: 56 Resp: 5096

Ion Ratio Lower Upper

56 100

69 26.9 23.1 34.7

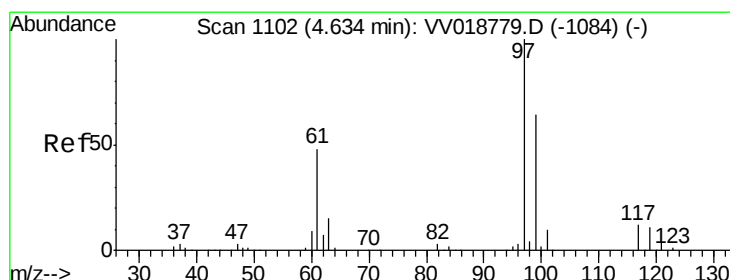
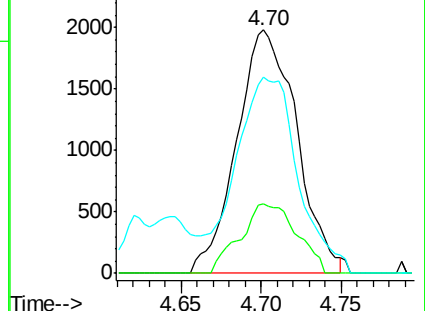
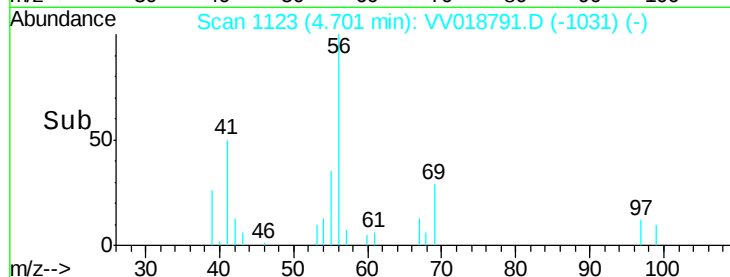
84 35.6 65.2 97.8#



Abundance Ion 56.00 (55.70 to 56.70): VV018779.D (-1104) (-)

Ion 69.00 (68.70 to 69.70): VV018779.D (-1104) (-)

Ion 84.00 (83.70 to 84.70): VV018779.D (-1104) (-)



#30

1,1,1-Trichloroethane

Concen: 13.601 ug/L

RT: 4.64 min Scan# 1103

Delta R.T. 0.00 min

Lab File: VV018791.D

Acq: 09 Oct 2020 03:48

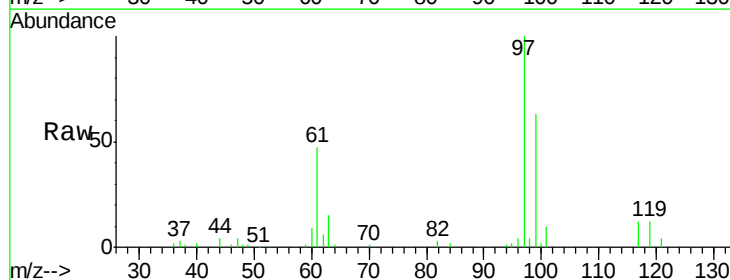
Tgt Ion: 97 Resp: 56309

Ion Ratio Lower Upper

97 100

99 64.2 51.0 76.4

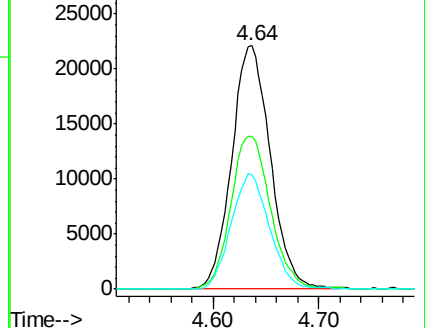
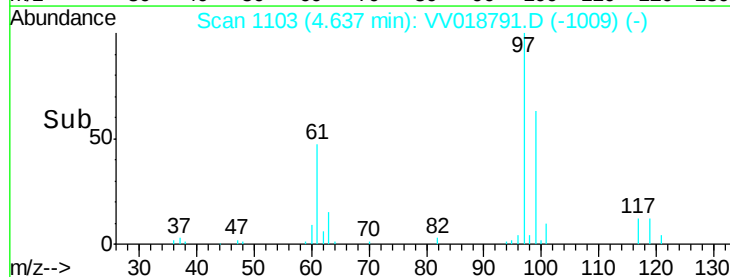
61 46.9 37.0 55.4

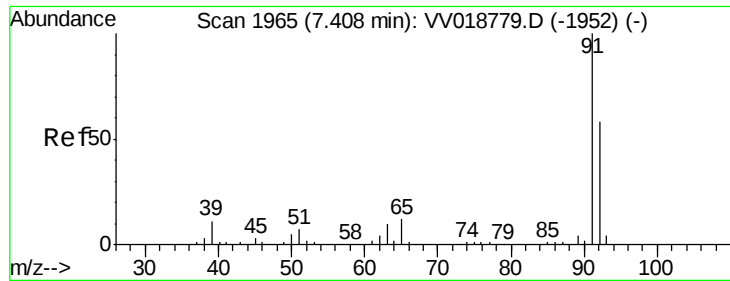


Abundance Ion 97.00 (96.70 to 97.70): VV018779.D (-1084) (-)

Ion 99.00 (98.70 to 99.70): VV018779.D (-1084) (-)

Ion 61.05 (60.75 to 61.75): VV018779.D (-1084) (-)





#42

Toluene

Concen: 55.492 ug/L

RT: 7.41 min Scan# 1965

Delta R.T. -0.00 min

Lab File: VV018791.D

Acq: 09 Oct 2020 03:48

Instrument :

MSVOA_V

ClientSampleId :

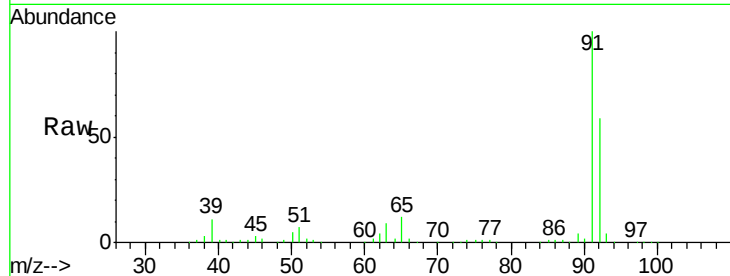
BG3W1DL

Tot Ion: 91 Resp: 561703

Ion Ratio Lower Upper

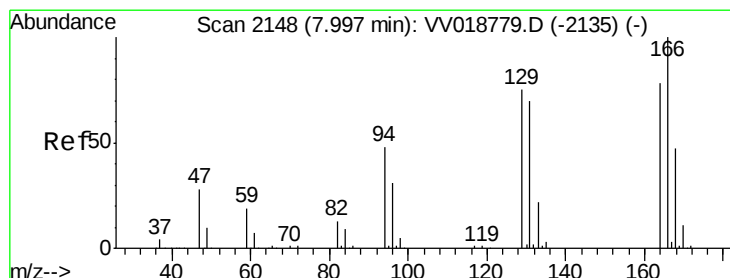
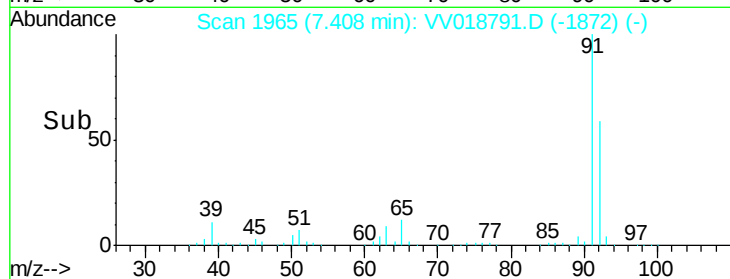
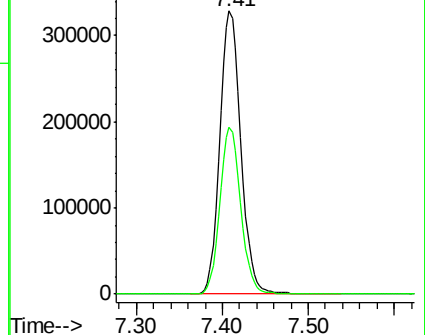
91 100

92 58.8 39.8 74.0



Abundance Ion 91.00 (90.70 to 91.70): VV0

Ion 92.00 (91.70 to 92.70): VV0



#46

Tetrachloroethene

Concen: 0.726 ug/L

RT: 8.00 min Scan# 2149

Delta R.T. 0.00 min

Lab File: VV018791.D

Acq: 09 Oct 2020 03:48

Tgt Ion:164 Resp: 1510

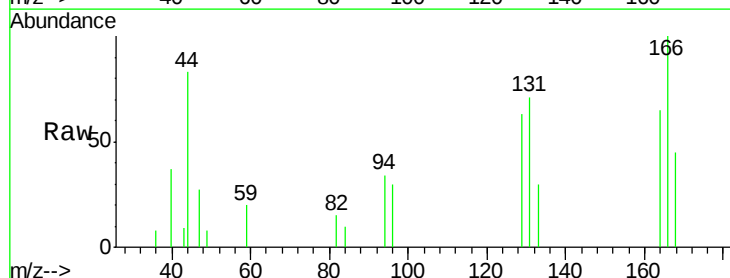
Ion Ratio Lower Upper

164 100

129 97.5 64.6 120.0

131 108.5 63.6 118.0

166 153.8 88.3 164.1

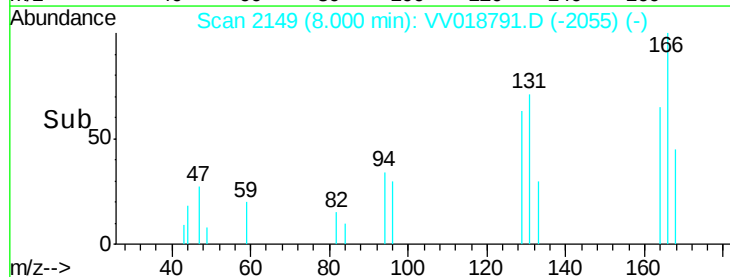
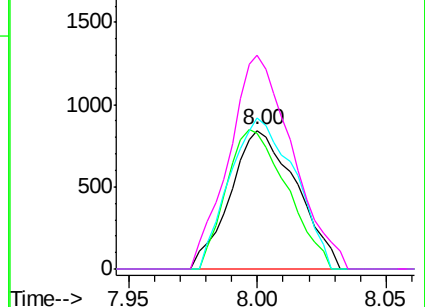


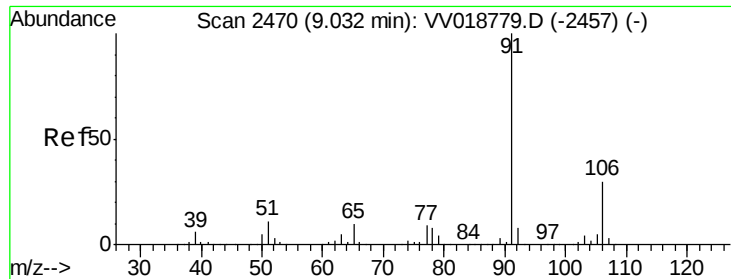
Abundance Ion 164.00 (163.70 to 164.70): V

Ion 129.00 (128.70 to 129.70): V

Ion 131.00 (130.70 to 131.70): V

Ion 166.00 (165.70 to 166.70): V





#52

Ethylbenzene

Concen: 1.701 ug/L

RT: 9.04 min Scan# 2471

Delta R.T. 0.00 min

Lab File: VV018791.D

Acq: 09 Oct 2020 03:48

Instrument :

MSVOA_V

ClientSampleId :

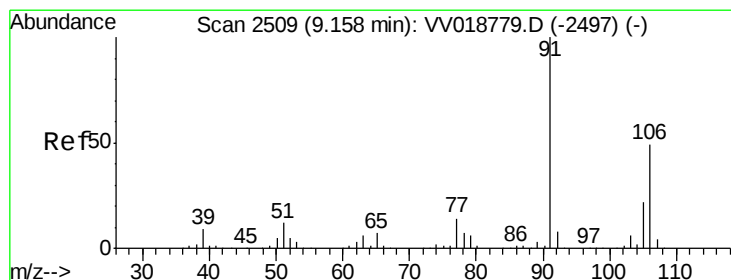
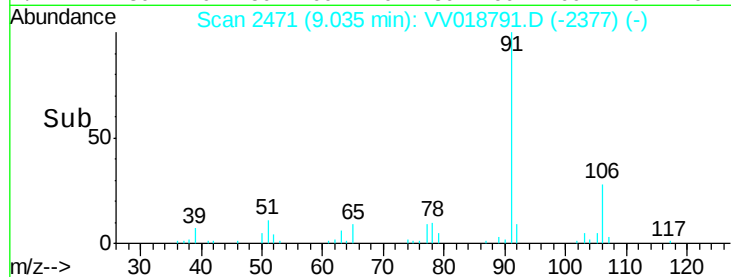
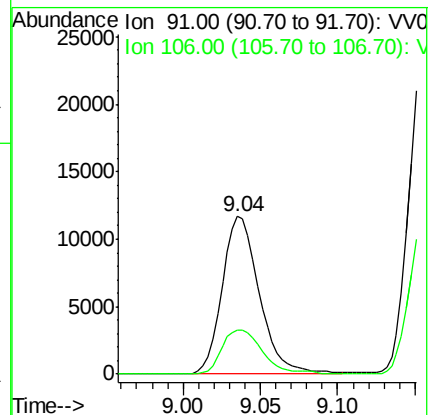
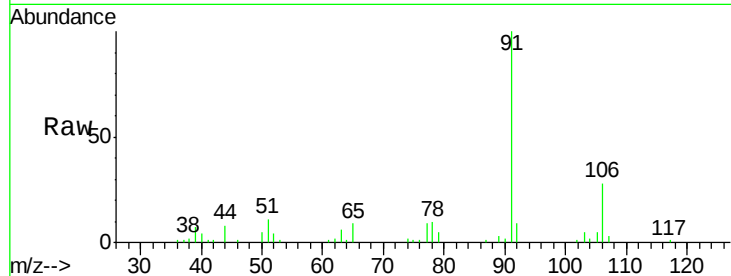
BG3W1DL

Tot Ion: 91 Resp: 19558

Ion Ratio Lower Upper

91 100

106 28.1 20.9 38.9



#53

m,p-Xylene

Concen: 5.514 ug/L

RT: 9.16 min Scan# 2510

Delta R.T. 0.00 min

Lab File: VV018791.D

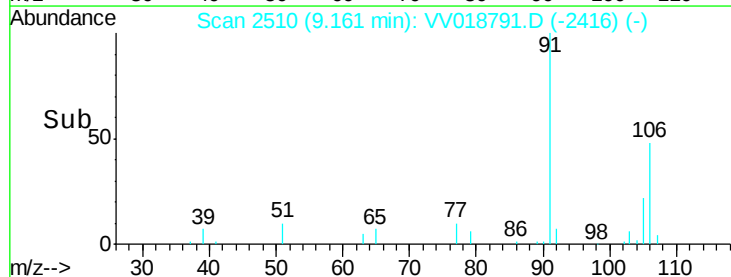
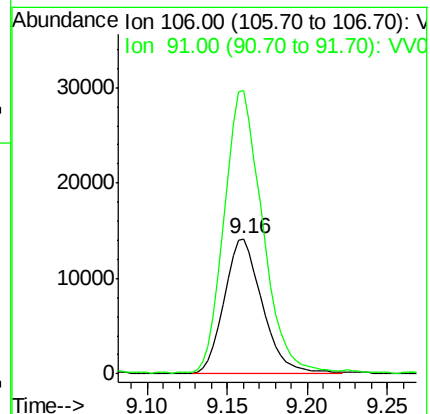
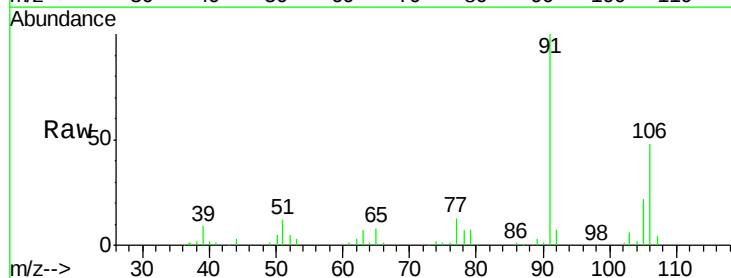
Acq: 09 Oct 2020 03:48

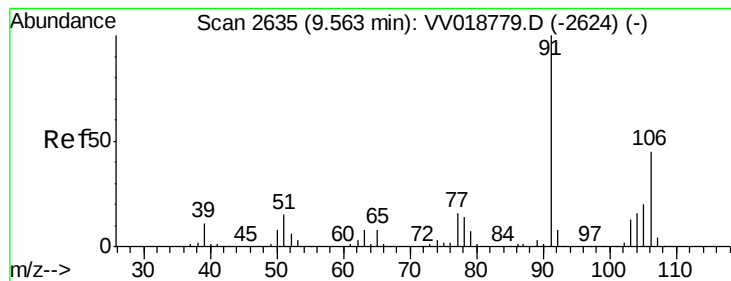
Tgt Ion: 106 Resp: 23265

Ion Ratio Lower Upper

106 100

91 209.4 147.1 273.1





#54

o-xylene

Concen: 3.123 ug/L

RT: 9.57 min Scan# 2636

Delta R.T. 0.00 min

Lab File: VV018791.D

Acq: 09 Oct 2020 03:48

Instrument :

MSVOA_V

ClientSampleId :

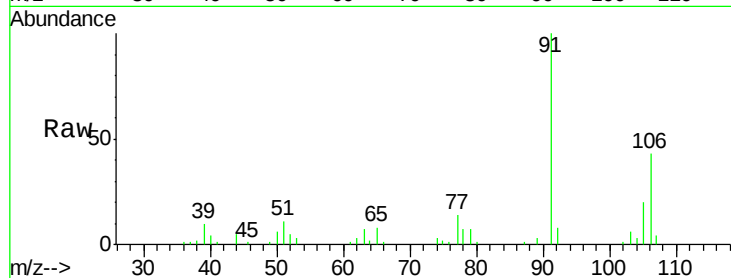
BG3W1DL

Tot Ion:106 Resp: 12515

Ion Ratio Lower Upper

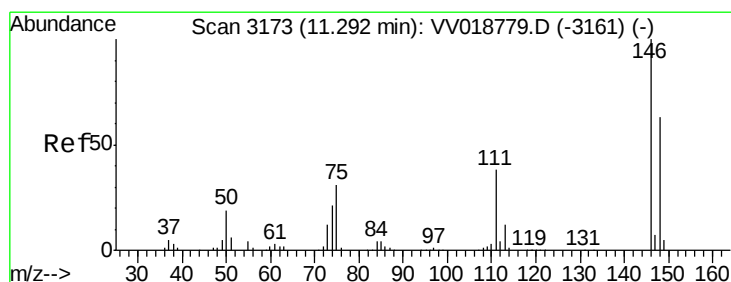
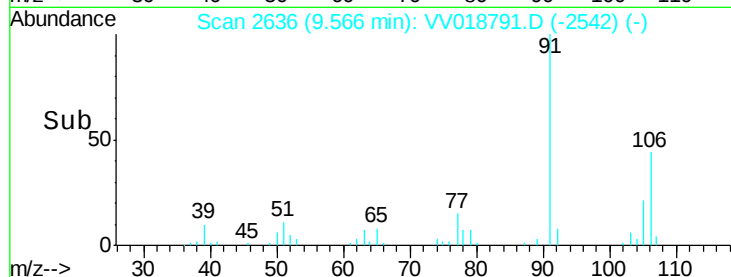
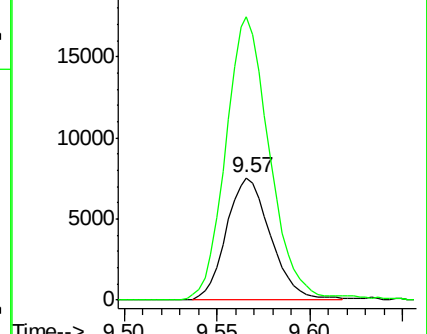
106 100

91 231.5 156.8 291.2



Abundance Ion 106.00 (105.70 to 106.70): V

Ion 91.00 (90.70 to 91.70): VV0



#63

1,4-Dichlorobenzene

Concen: 0.700 ug/L

RT: 11.30 min Scan# 3174

Delta R.T. 0.00 min

Lab File: VV018791.D

Acq: 09 Oct 2020 03:48

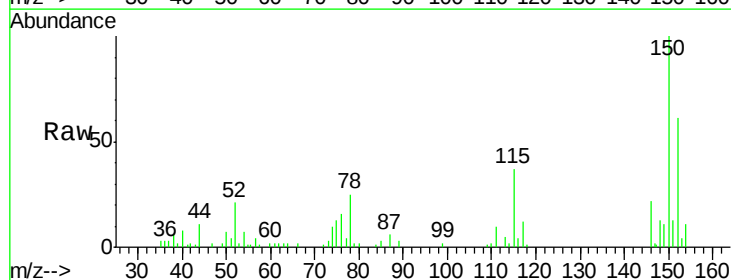
Tgt Ion:146 Resp: 3819

Ion Ratio Lower Upper

146 100

111 44.9 27.1 50.3

148 61.6 45.4 84.4



Abundance Ion 146.00 (145.70 to 146.70): V

Ion 111.00 (110.70 to 111.70): V

Ion 148.00 (147.70 to 148.70): V

