

Data Path : Z:\VOASRV\HPCHEM1\MSVOA V\DATA\VV100920\
 Data File : VV018786.D
 Acq On : 09 Oct 2020 01:49
 Operator : SY/MD
 Sample : L4239-13DL 50X
 Misc : 5.0mL/MSVOA V/WATER
 ALS Vial : 17 Sample Multiplier: 1

Instrument :
 MSVOA_V
 ClientSampleId :
 BG3Q4DL

Quant Time: Oct 09 08:12:08 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	349521	50.00	ug/L	0.00
28) Chlorobenzene-d5	8.87	117	311998	50.00	ug/L	0.00
60) 1,4-Dichlorobenzene-d4	11.27	152	166736	50.00	ug/L	0.00

System Monitoring Compounds

4) Vinyl Chloride-d3	1.32	65	140309	44.18	ug/L	0.00
Spiked Amount	50.000	Range	60 - 135	Recovery	=	88.36%
7) Chloroethane-d5	1.58	69	115874	45.33	ug/L	0.00
Spiked Amount	50.000	Range	70 - 130	Recovery	=	90.66%
11) 1,1-Dichloroethene-d2	2.12	63	212496	34.71	ug/L	0.00
Spiked Amount	50.000	Range	60 - 125	Recovery	=	69.42%
21) 2-Butanone-d5	3.90	46	187326	96.06	ug/L	0.00
Spiked Amount	100.000	Range	40 - 130	Recovery	=	96.06%
24) Chloroform-d	4.37	84	241293	43.06	ug/L	0.00
Spiked Amount	50.000	Range	70 - 125	Recovery	=	86.12%
26) 1,2-Dichloroethane-d4	5.06	65	181403	47.76	ug/L	0.00
Spiked Amount	50.000	Range	70 - 125	Recovery	=	95.52%
32) Benzene-d6	5.07	84	520969	51.88	ug/L	0.00
Spiked Amount	50.000	Range	70 - 125	Recovery	=	103.76%
36) 1,2-Dichloropropane-d6	6.09	67	163825	50.04	ug/L	0.00
Spiked Amount	50.000	Range	70 - 120	Recovery	=	100.08%
41) Toluene-d8	7.34	98	427358	47.95	ug/L	0.00
Spiked Amount	50.000	Range	80 - 120	Recovery	=	95.90%
43) trans-1,3-Dichloropropene-	7.64	79	74343	46.45	ug/L	0.00
Spiked Amount	50.000	Range	60 - 125	Recovery	=	92.90%
47) 2-Hexanone-d5	8.11	63	105199	91.68	ug/L	0.00
Spiked Amount	100.000	Range	45 - 130	Recovery	=	91.68%
57) 1,1,2,2-Tetrachloroethane-	10.24	84	162709	43.20	ug/L	0.00
Spiked Amount	50.000	Range	65 - 120	Recovery	=	86.40%
64) 1,2-Dichlorobenzene-d4	11.65	152	185477	50.26	ug/L	0.00
Spiked Amount	50.000	Range	80 - 120	Recovery	=	100.52%

Target Compounds

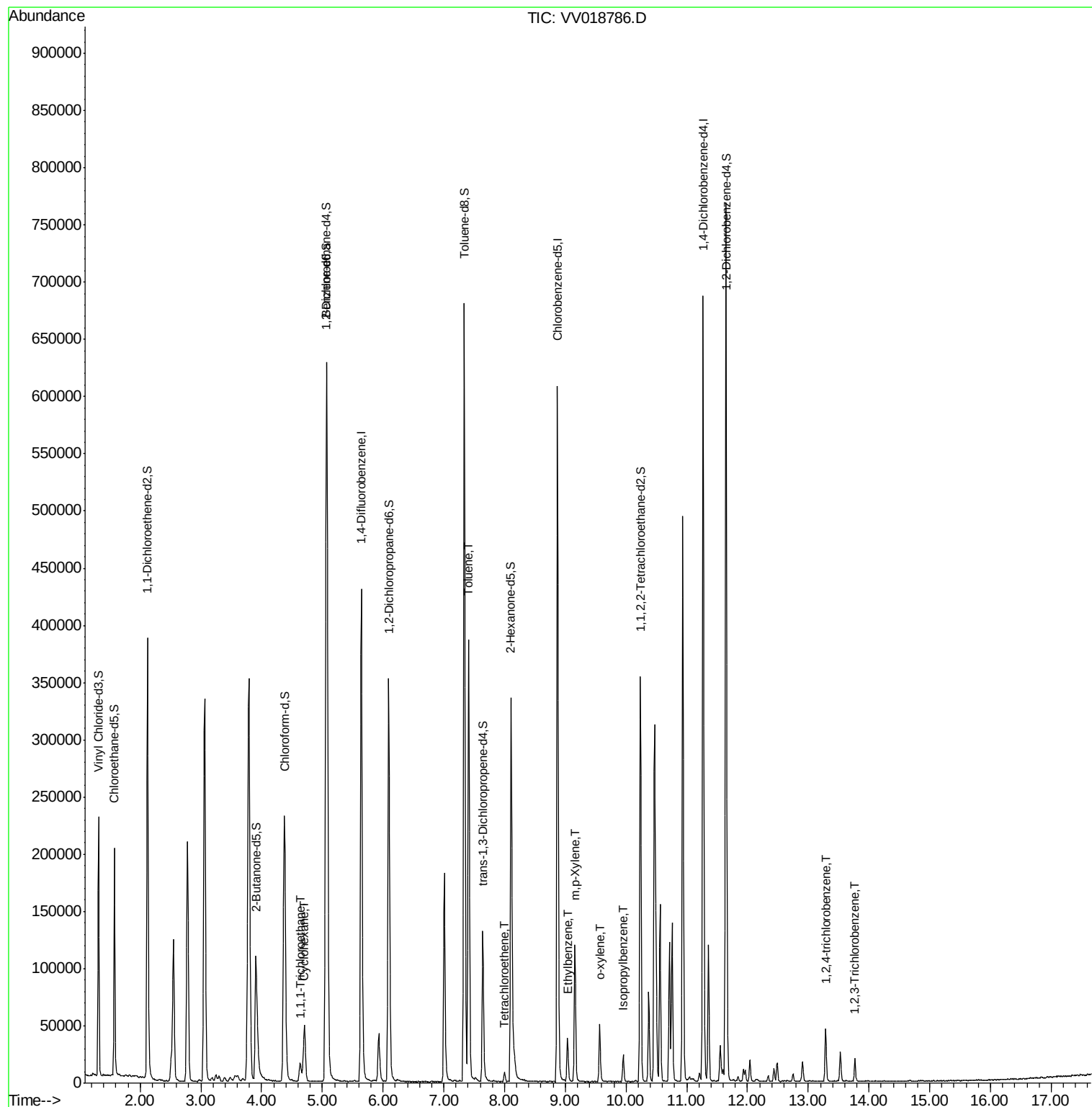
					Ovalue
29) Cyclohexane	4.71	56	26057	6.896	ug/L 97
30) 1,1,1-Trichloroethane	4.64	97	11815	2.841	ug/L 97
42) Toluene	7.41	91	270243	26.580	ug/L 98
46) Tetrachloroethene	8.00	164	1916	0.918	ug/L 83
52) Ethylbenzene	9.04	91	26975	2.336	ug/L 99
53) m,p-Xylene	9.16	106	31268	7.378	ug/L 94
54) o-xylene	9.57	106	12990	3.227	ug/L 94
56) Isopropylbenzene	9.95	105	13671	1.227	ug/L 94
68) 1,2,4-trichlorobenzene	13.29	180	12768	3.856	ug/L 97
70) 1,2,3-Trichlorobenzene	13.77	180	6246	1.900	ug/L 97

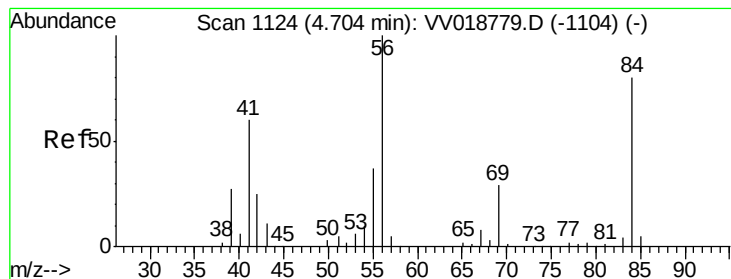
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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Quant Title : VOC Analysis
QLast Update : Fri Oct 09 07:31:27 2020
Response via : Initial Calibration





#29

Cyclohexane

Concen: 6.896 ug/L

RT: 4.71 min Scan# 1125

Delta R.T. 0.00 min

Lab File: VV018786.D

Acq: 09 Oct 2020 01:49

Instrument :

MSVOA_V

ClientSampleId :

BG3Q4DL

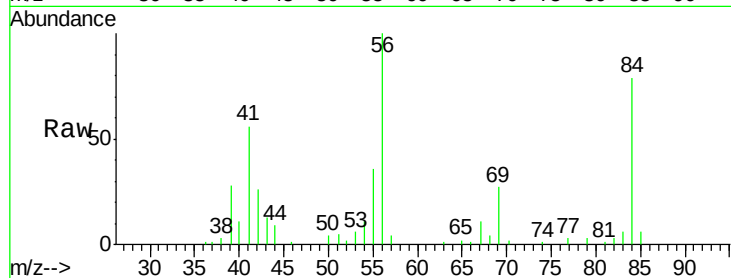
Tot Ion: 56 Resp: 26057

Ion Ratio Lower Upper

56 100

69 26.6 23.1 34.7

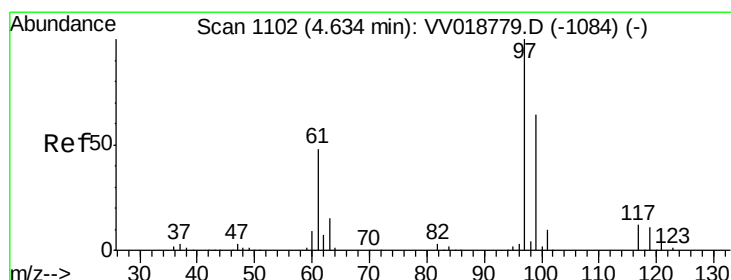
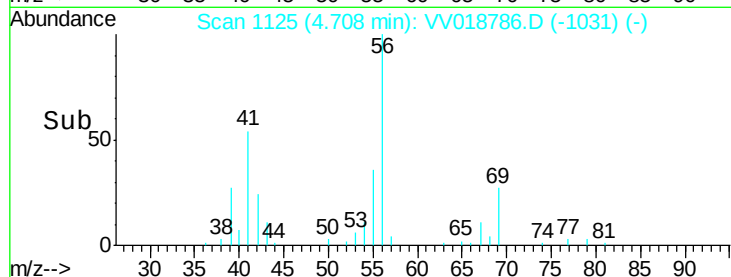
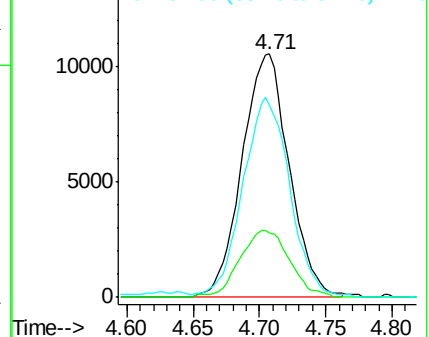
84 79.0 65.2 97.8



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



#30

1,1,1-Trichloroethane

Concen: 2.841 ug/L

RT: 4.64 min Scan# 1103

Delta R.T. 0.00 min

Lab File: VV018786.D

Acq: 09 Oct 2020 01:49

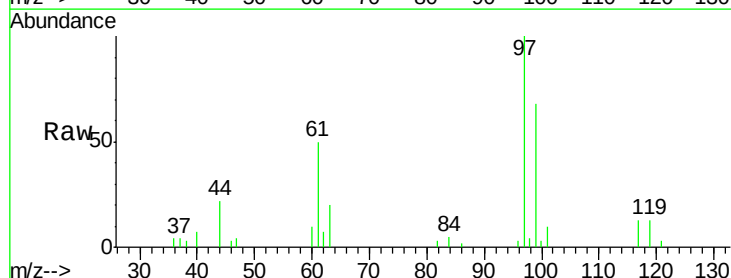
Tgt Ion: 97 Resp: 11815

Ion Ratio Lower Upper

97 100

99 66.8 51.0 76.4

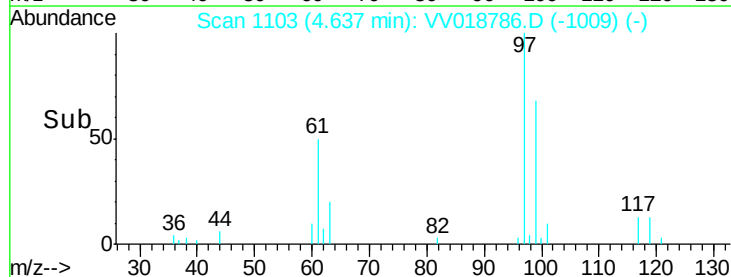
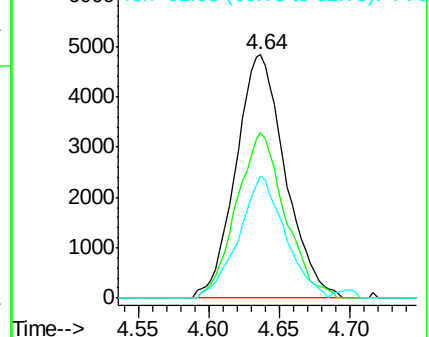
61 46.9 37.0 55.4

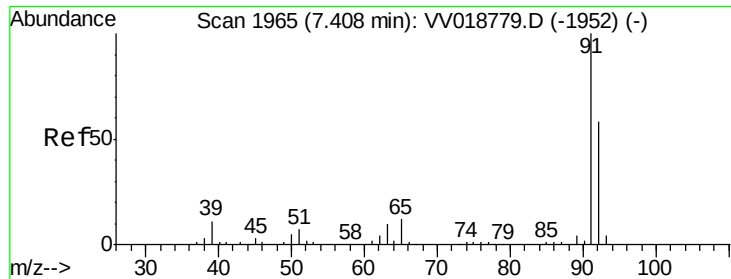


Abundance Ion 97.00 (96.70 to 97.70): VV0

Ion 99.00 (98.70 to 99.70): VV0

Ion 61.05 (60.75 to 61.75): VV0





#42

Toluene

Concen: 26.580 ug/L

RT: 7.41 min Scan# 1965

Delta R.T. 0.00 min

Lab File: VV018786.D

Acq: 09 Oct 2020 01:49

Instrument :

MSVOA_V

ClientSampleId :

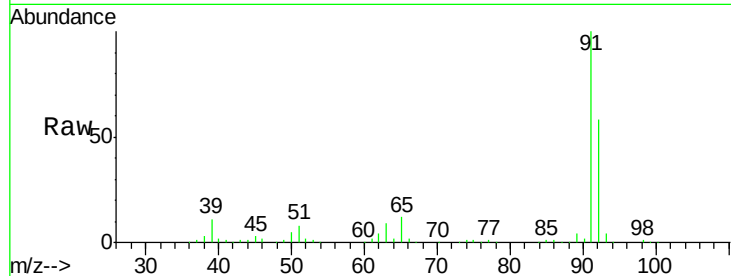
BG3Q4DL

Tot Ion: 91 Resp: 270243

Ion Ratio Lower Upper

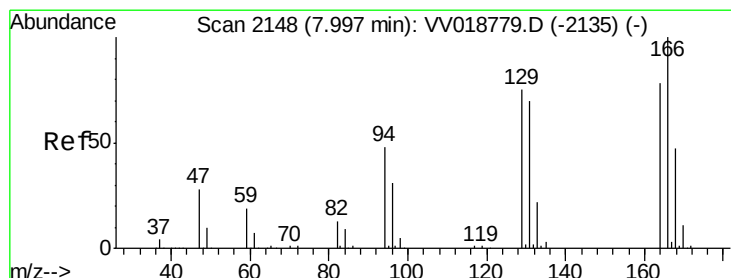
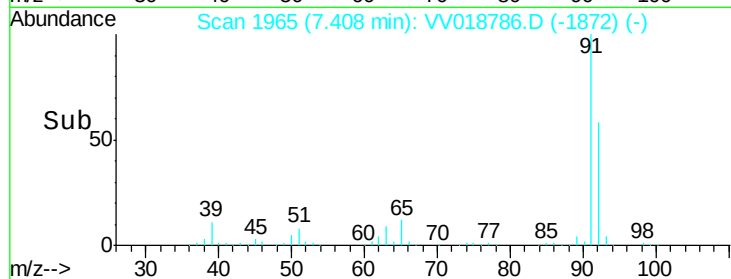
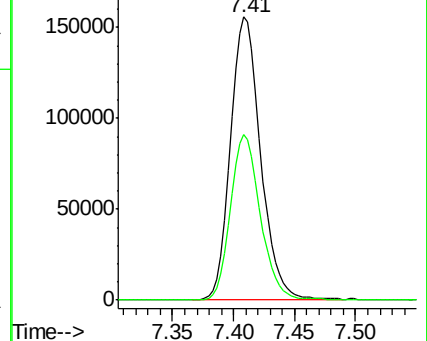
91 100

92 58.3 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: 0.918 ug/L

RT: 8.00 min Scan# 2150

Delta R.T. 0.01 min

Lab File: VV018786.D

Acq: 09 Oct 2020 01:49

Tgt Ion: 164 Resp: 1916

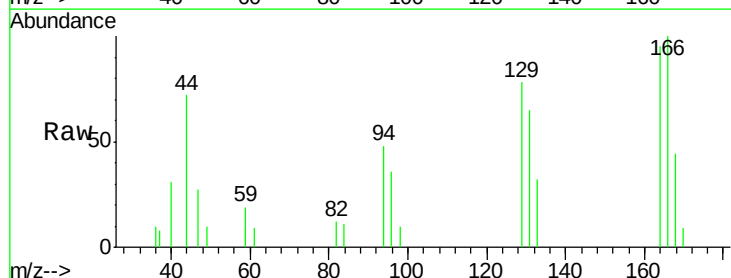
Ion Ratio Lower Upper

164 100

129 82.8 64.6 120.0

131 69.1 63.6 118.0

166 105.6 88.3 164.1

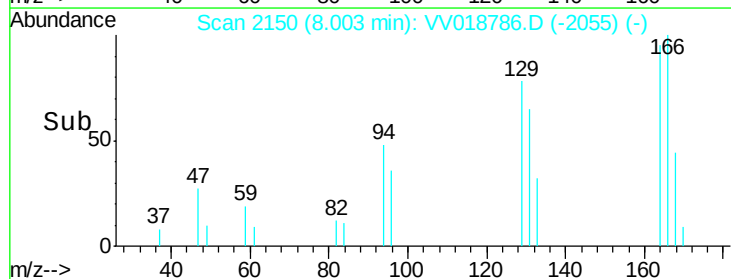
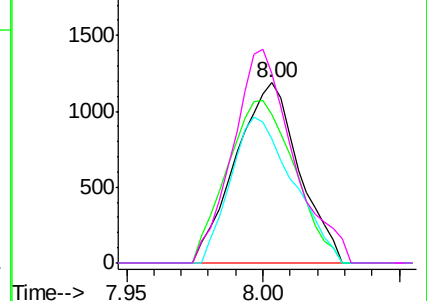


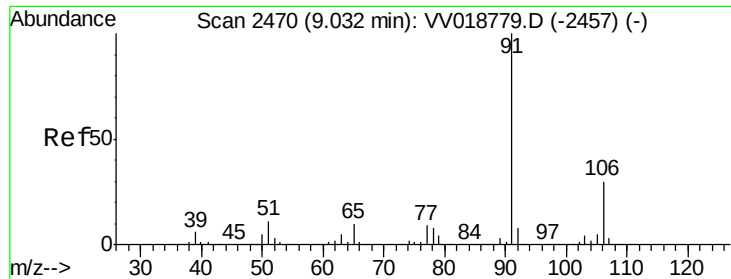
Abundance Ion 164.00 (163.70 to 164.70): V

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

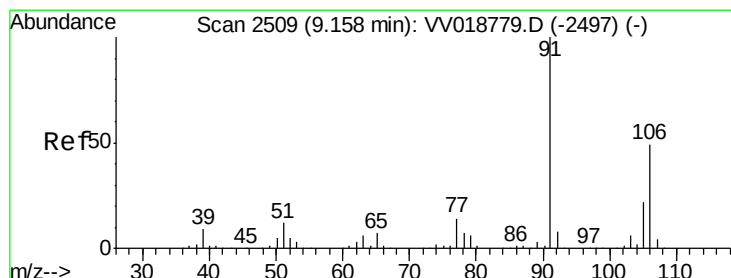
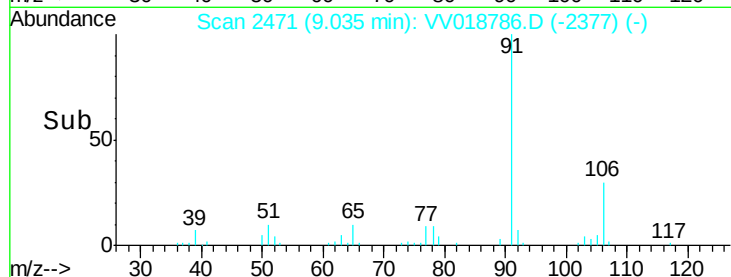
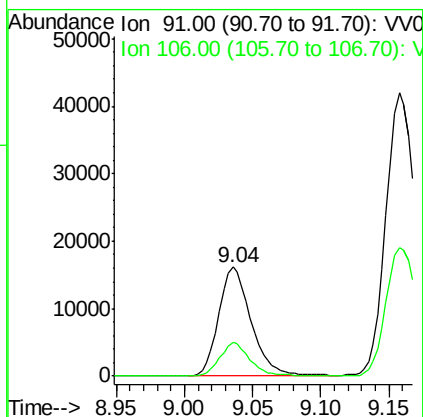
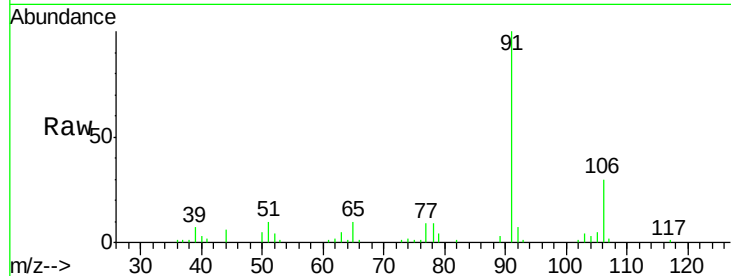




#52
Ethylbenzene
Concen: 2.336 ug/L
RT: 9.04 min Scan# 2471
Delta R.T. 0.00 min
Lab File: VV018786.D
Acq: 09 Oct 2020 01:49

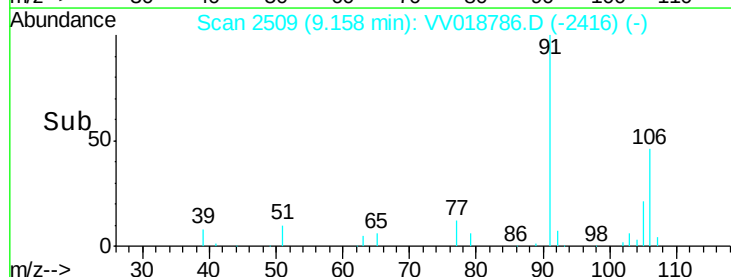
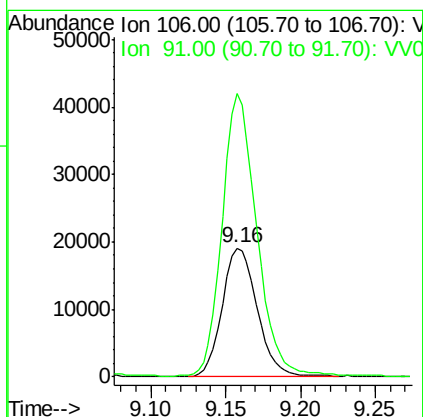
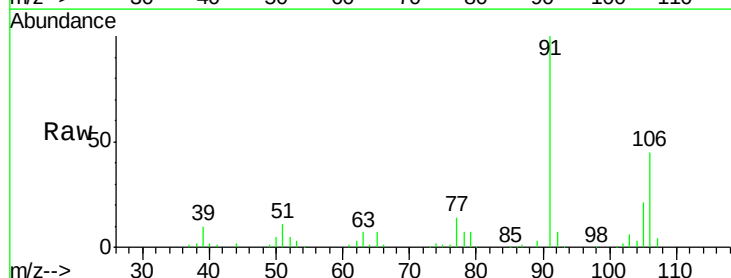
Instrument :
MSVOA_V
ClientSampleID :
BG3Q4DL

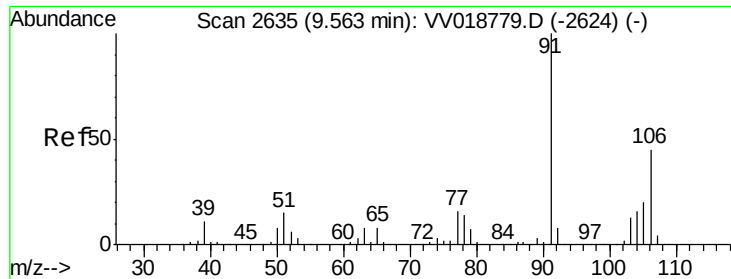
Tot Ion: 91 Resp: 26975
Ion Ratio Lower Upper
91 100
106 30.5 20.9 38.9



#53
m,p-Xylene
Concen: 7.378 ug/L
RT: 9.16 min Scan# 2509
Delta R.T. -0.00 min
Lab File: VV018786.D
Acq: 09 Oct 2020 01:49

Tgt Ion: 106 Resp: 31268
Ion Ratio Lower Upper
106 100
91 219.8 147.1 273.1





#54

o-xylene

Concen: 3.227 ug/L

RT: 9.57 min Scan# 2636

Delta R.T. 0.00 min

Lab File: VV018786.D

Acq: 09 Oct 2020 01:49

Instrument :

MSVOA_V

ClientSampleId :

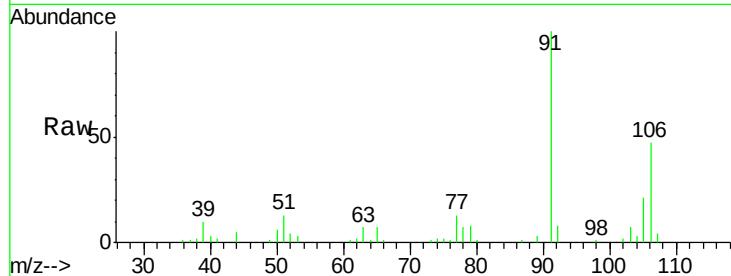
BG3Q4DL

Tot Ion:106 Resp: 12990

Ion Ratio Lower Upper

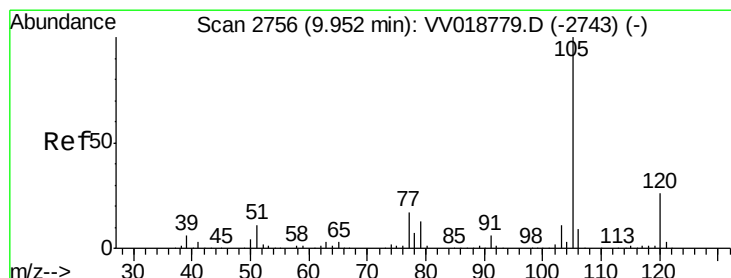
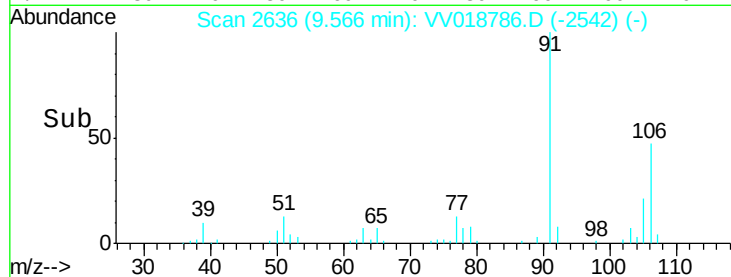
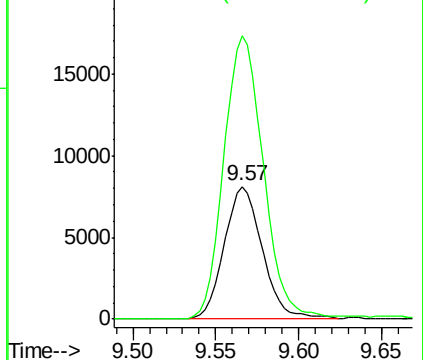
106 100

91 213.6 156.8 291.2



Abundance Ion 106.00 (105.70 to 106.70): V

Ion 91.00 (90.70 to 91.70): VV0



#56

Isopropylbenzene

Concen: 1.227 ug/L

RT: 9.95 min Scan# 2757

Delta R.T. 0.00 min

Lab File: VV018786.D

Acq: 09 Oct 2020 01:49

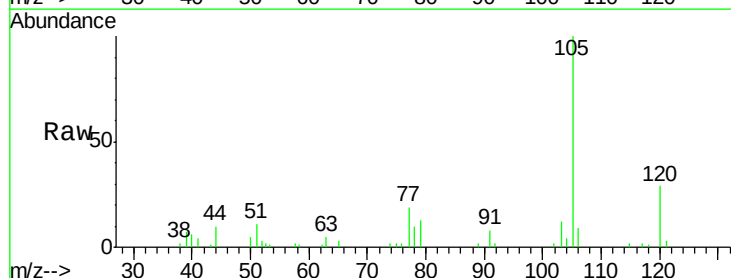
Tgt Ion:105 Resp: 13671

Ion Ratio Lower Upper

105 100

120 28.5 20.4 30.6

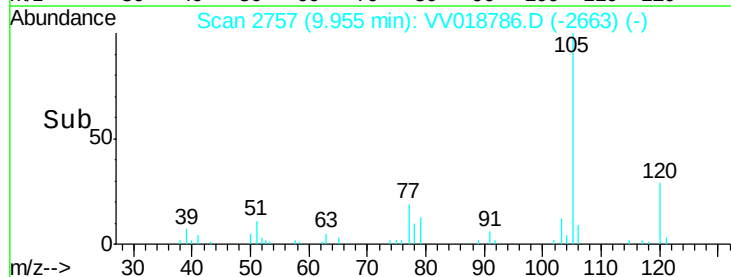
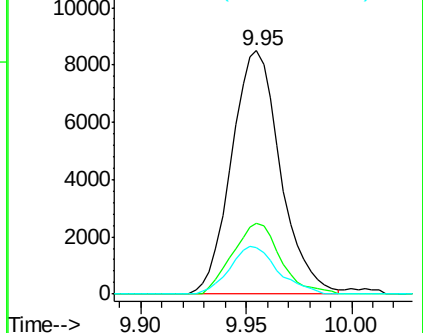
77 19.3 13.0 19.6

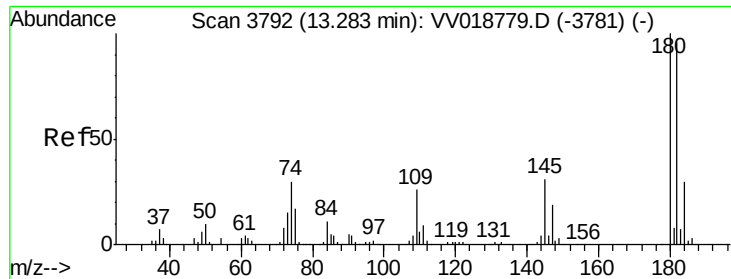


Abundance Ion 105.00 (104.70 to 105.70): V

Ion 120.00 (119.70 to 120.70): V

Ion 77.00 (76.70 to 77.70): VV0

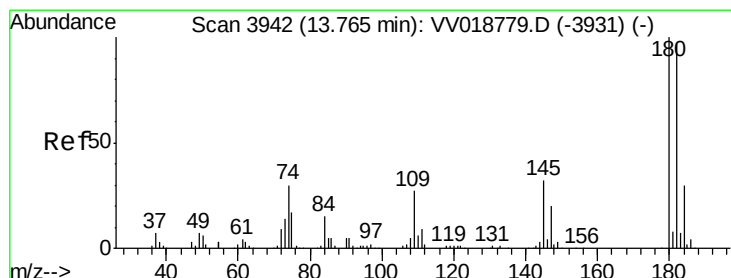
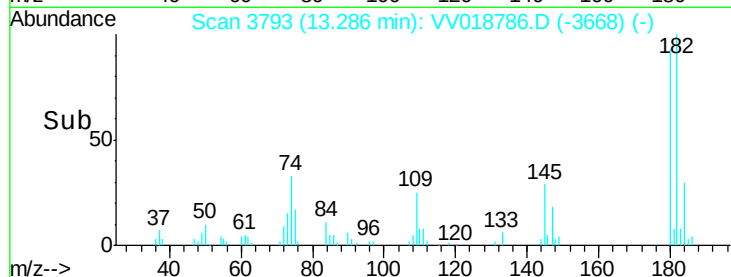
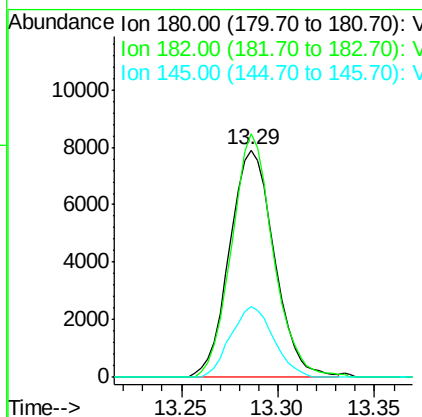
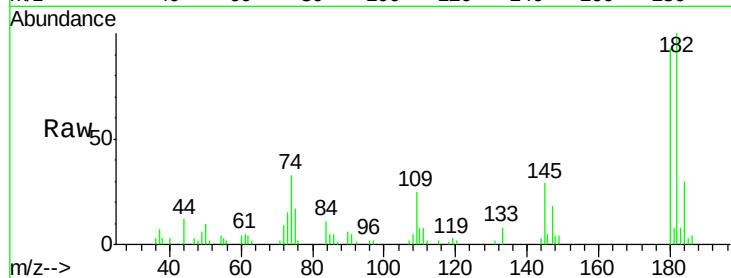




#68
 1,2,4-trichlorobenzene
 Concen: 3.856 ug/L
 RT: 13.29 min Scan# 3793
 Delta R.T. 0.00 min
 Lab File: VV018786.D
 Acq: 09 Oct 2020 01:49

Instrument :
 MSVOA_V
 ClientSampled :
 BG3Q4DL

Tot Ion:180 Resp: 12768
 Ion Ratio Lower Upper
 180 100
 182 99.3 76.7 115.1
 145 29.8 24.0 36.0



#70
 1,2,3-Trichlorobenzene
 Concen: 1.900 ug/L
 RT: 13.77 min Scan# 3944
 Delta R.T. 0.01 min
 Lab File: VV018786.D
 Acq: 09 Oct 2020 01:49

Tgt Ion:180 Resp: 6246
 Ion Ratio Lower Upper
 180 100
 182 90.7 75.9 113.9
 145 31.3 25.2 37.8

