

Data Path : Z:\VOASRV\HPCHEM1\MSVOA V\DATA\VV092520\
 Data File : VV018451.D
 Acq On : 25 Sep 2020 13:37
 Operator : SY/MD
 Sample : L4109-17DL 40X
 Misc : 5.87g/5.0mL/100uL/5.0mL/MSVOA_V/MEOH
 ALS Vial : 12 Sample Multiplier: 1

Instrument :
 MSVOA_V
 ClientSampleId :
 BG3Y1DL

Quant Time: Sep 26 02:22:53 2020
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_V\METHOD\SOMVLM090920WMA.M
 Quant Title : VOC Analysis
 QLast Update : Fri Sep 25 23:36:18 2020
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Difluorobenzene	5.64	114	397261	50.00	ug/L	0.00
28) Chlorobenzene-d5	8.87	117	381958	50.00	ug/L	0.00
60) 1,4-Dichlorobenzene-d4	11.27	152	201522	50.00	ug/L	0.00

System Monitoring Compounds

4) Vinyl Chloride-d3	1.32	65	136873	42.28	ug/L	0.00
Spiked Amount	50.000	Range	60 - 135	Recovery	=	84.56%
7) Chloroethane-d5	1.58	69	112085	42.31	ug/L	0.00
Spiked Amount	50.000	Range	70 - 130	Recovery	=	84.62%
11) 1,1-Dichloroethene-d2	2.12	63	190671	32.11	ug/L	0.00
Spiked Amount	50.000	Range	60 - 125	Recovery	=	64.22%
21) 2-Butanone-d5	3.91	46	169773	85.67	ug/L	0.00
Spiked Amount	100.000	Range	40 - 130	Recovery	=	85.67%
24) Chloroform-d	4.37	84	232779	41.44	ug/L	0.00
Spiked Amount	50.000	Range	70 - 125	Recovery	=	82.88%
26) 1,2-Dichloroethane-d4	5.05	65	152515	42.36	ug/L	0.00
Spiked Amount	50.000	Range	70 - 125	Recovery	=	84.72%
32) Benzene-d6	5.07	84	498888	45.63	ug/L	0.00
Spiked Amount	50.000	Range	70 - 125	Recovery	=	91.26%
36) 1,2-Dichloropropane-d6	6.09	67	157130	45.23	ug/L	0.00
Spiked Amount	50.000	Range	70 - 120	Recovery	=	90.46%
41) Toluene-d8	7.34	98	459717	46.13	ug/L	0.00
Spiked Amount	50.000	Range	80 - 120	Recovery	=	92.26%
43) trans-1,3-Dichloropropene-	7.64	79	77140	43.69	ug/L	0.00
Spiked Amount	50.000	Range	60 - 125	Recovery	=	87.38%
47) 2-Hexanone-d5	8.11	63	120925	91.89	ug/L	0.00
Spiked Amount	100.000	Range	45 - 130	Recovery	=	91.89%
57) 1,1,2,2-Tetrachloroethane-	10.24	84	199070	45.65	ug/L	0.00
Spiked Amount	50.000	Range	65 - 120	Recovery	=	91.30%
64) 1,2-Dichlorobenzene-d4	11.65	152	193043	46.64	ug/L	0.00
Spiked Amount	50.000	Range	80 - 120	Recovery	=	93.28%

Target Compounds

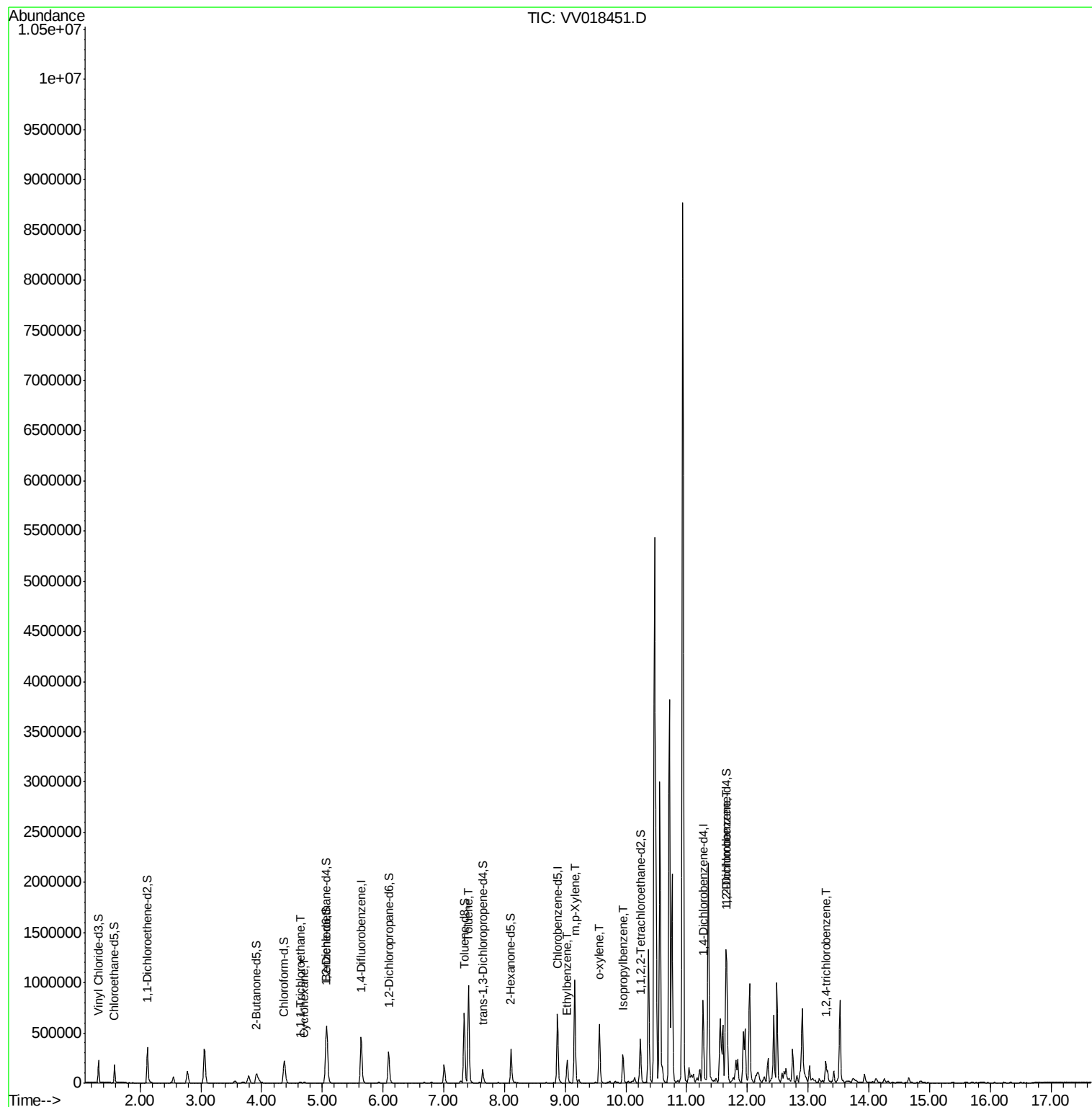
					Ovalue
29) Cyclohexane	4.70	56	4660	1.057 ug/L	92
30) 1,1,1-Trichloroethane	4.63	97	8957	2.021 ug/L	94
42) Toluene	7.41	91	700754	60.635 ug/L	100
52) Ethylbenzene	9.03	91	156554	12.408 ug/L	98
53) m,p-Xylene	9.16	106	288806	61.324 ug/L	97
54) o-xylene	9.56	106	152834	33.686 ug/L	100
56) Isopropylbenzene	9.95	105	183837	15.034 ug/L	99
65) 1,2-Dichlorobenzene	11.67	146	9029	1.491 ug/L	95
68) 1,2,4-trichlorobenzene	13.29	180	2959	0.703 ug/L #	72

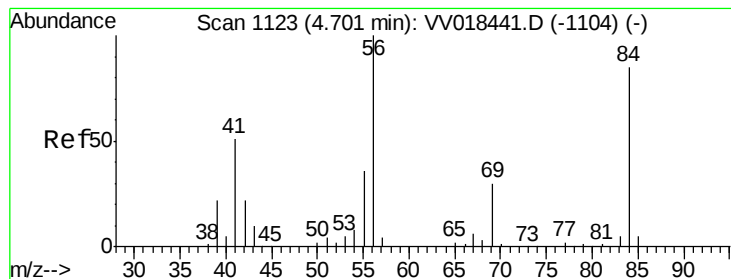
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Data Path : Z:\V0ASRV\HPCHEM1\MSVOA V\DATA\VV092520\
Data File : VV018451.D
Acq On : 25 Sep 2020 13:37
Operator : SY/MD
Sample : L4109-17DL 40X
Misc : 5.87g/5.0mL/100uL/5.0mL/MSVOA_V/MEOH
ALS Vial : 12 Sample Multiplier: 1

Instrument :
MSVOA_V
ClientSampleId :
BG3Y1DL

Quant Time: Sep 26 02:22:53 2020
Quant Method : Z:\V0ASRV\HPCHEM1\MSVOA_V\METHOD\SOMVLM090920WMA.M
Quant Title : VOC Analysis
QLast Update : Fri Sep 25 23:36:18 2020
Response via : Initial Calibration





#29

Cyclohexane

Concen: 1.057 ug/L

RT: 4.70 min Scan# 1124

Delta R.T. 0.00 min

Lab File: VV018451.D

Acq: 25 Sep 2020 13:37

Instrument :

MSVOA_V

ClientSampleId :

BG3Y1DL

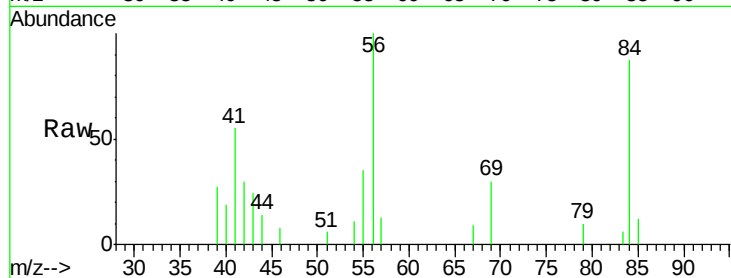
Tot Ion: 56 Resp: 4660

Ion Ratio Lower Upper

56 100

69 29.6 24.2 36.2

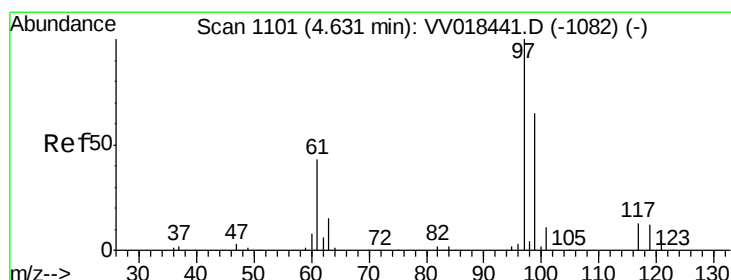
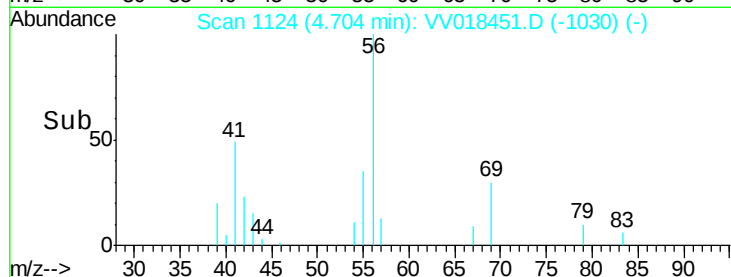
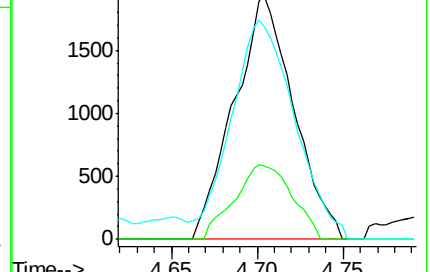
84 95.4 68.3 102.5



Abundance Ion 56.00 (55.70 to 56.70): VV018441.D (-1104) (-)

Ion 69.00 (68.70 to 69.70): VV018441.D (-1104) (-)

Ion 84.00 (83.70 to 84.70): VV018441.D (-1104) (-)



#30

1,1,1-Trichloroethane

Concen: 2.021 ug/L

RT: 4.63 min Scan# 1102

Delta R.T. 0.00 min

Lab File: VV018451.D

Acq: 25 Sep 2020 13:37

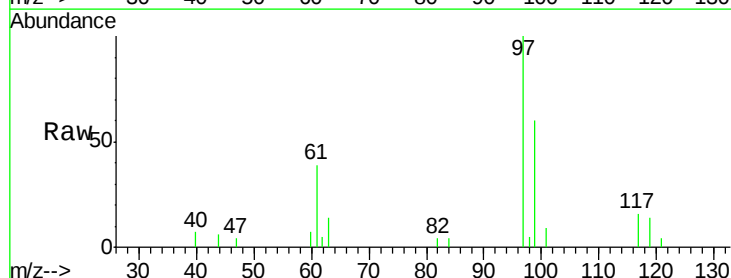
Tgt Ion: 97 Resp: 8957

Ion Ratio Lower Upper

97 100

99 60.7 51.6 77.4

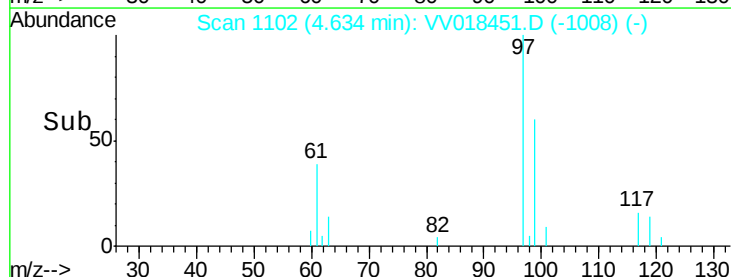
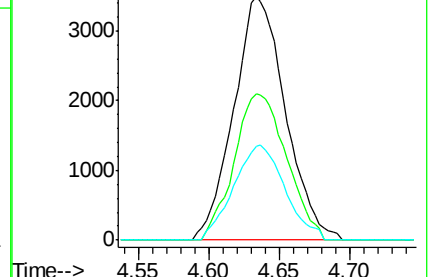
61 38.8 34.9 52.3

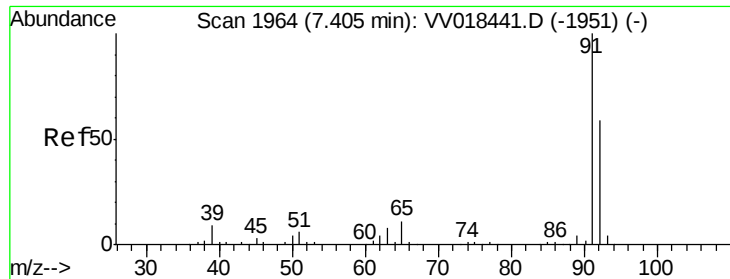


Abundance Ion 97.00 (96.70 to 97.70): VV018441.D (-1082) (-)

Ion 99.00 (98.70 to 99.70): VV018441.D (-1082) (-)

Ion 61.05 (60.75 to 61.75): VV018441.D (-1082) (-)





#42

Toluene

Concen: 60.635 ug/L

RT: 7.41 min Scan# 1965

Delta R.T. 0.00 min

Lab File: VV018451.D

Acq: 25 Sep 2020 13:37

Instrument :

MSVOA_V

ClientSampleId :

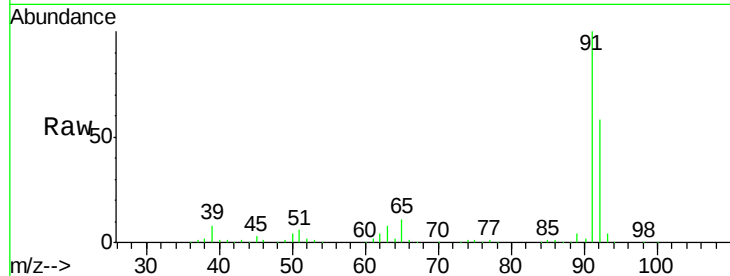
BG3Y1DL

Tot Ion: 91 Resp: 700754

Ion Ratio Lower Upper

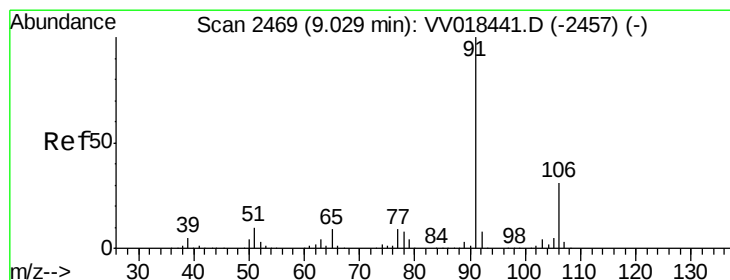
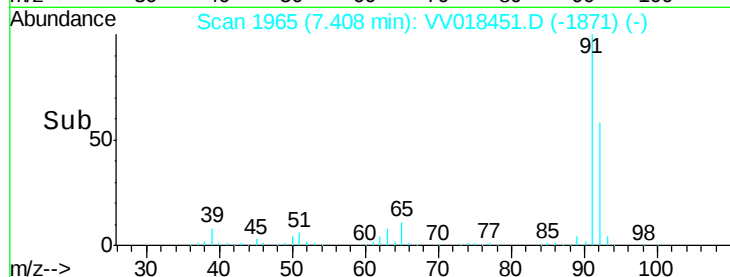
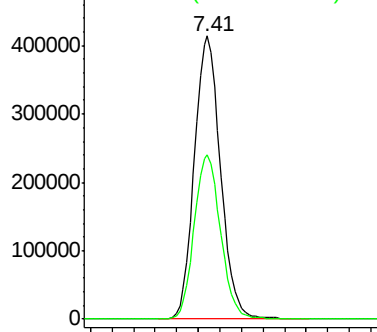
91 100

92 58.1 40.7 75.5



Abundance Ion 91.00 (90.70 to 91.70): VV0

Ion 92.00 (91.70 to 92.70): VV0



#52

Ethylbenzene

Concen: 12.408 ug/L

RT: 9.03 min Scan# 2470

Delta R.T. 0.00 min

Lab File: VV018451.D

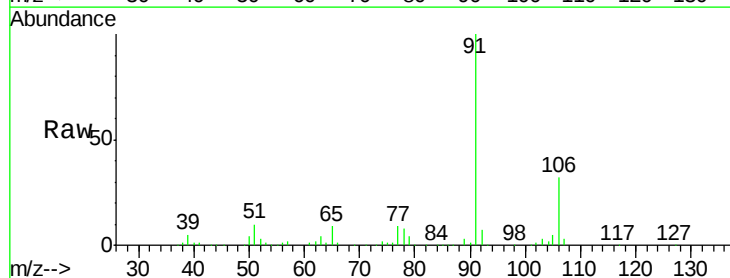
Acq: 25 Sep 2020 13:37

Tgt Ion: 91 Resp: 156554

Ion Ratio Lower Upper

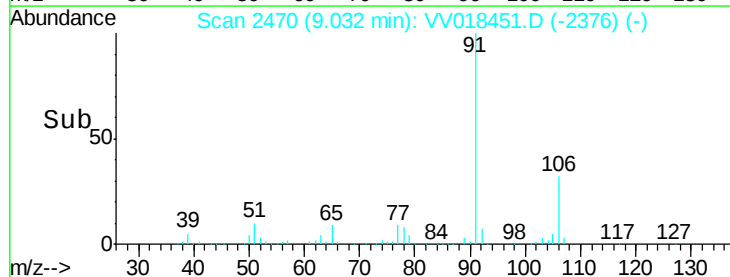
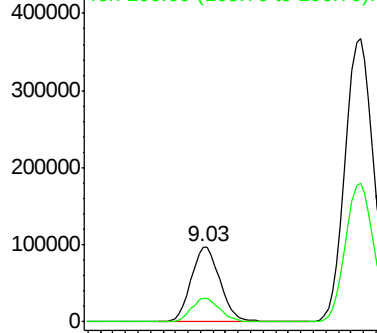
91 100

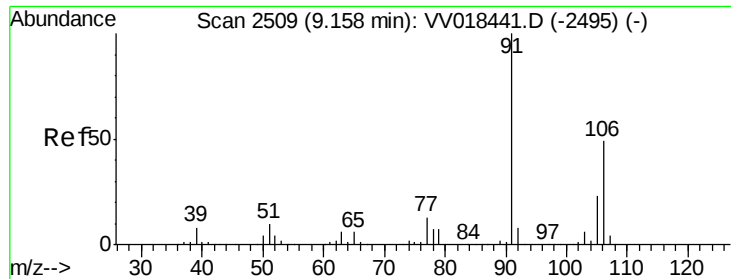
106 31.7 21.3 39.5



Abundance Ion 91.00 (90.70 to 91.70): VV0

Ion 106.00 (105.70 to 106.70): V





#53

m,p-Xylene

Concen: 61.324 ug/L

RT: 9.16 min Scan# 2509

Delta R.T. -0.00 min

Lab File: VV018451.D

Acq: 25 Sep 2020 13:37

Instrument :

MSVOA_V

ClientSampleId :

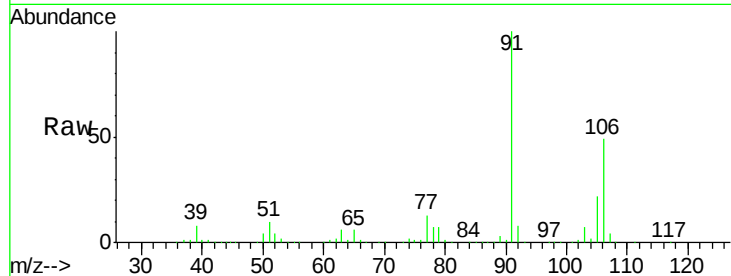
BG3Y1DL

Tot Ion:106 Resp: 288806

Ion Ratio Lower Upper

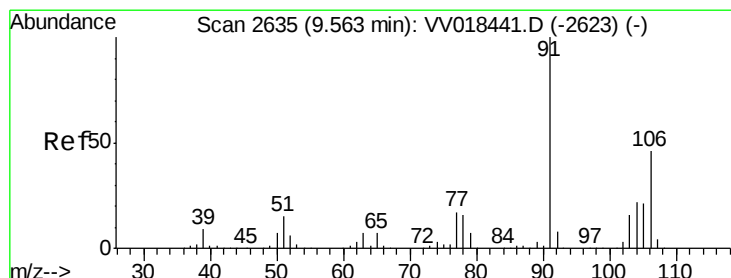
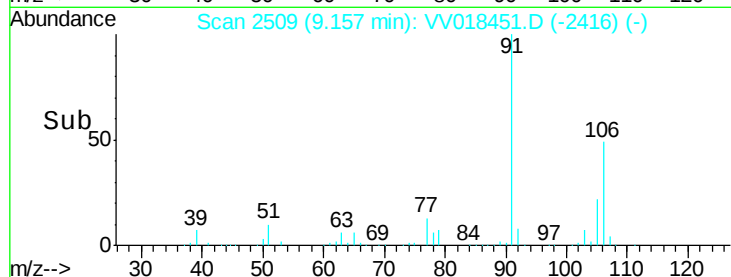
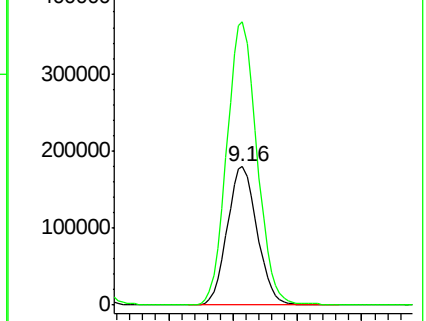
106 100

91 204.2 146.7 272.5



Abundance Ion 106.00 (105.70 to 106.70): V

Ion 91.00 (90.70 to 91.70): VV0



#54

o-xylene

Concen: 33.686 ug/L

RT: 9.56 min Scan# 2635

Delta R.T. -0.00 min

Lab File: VV018451.D

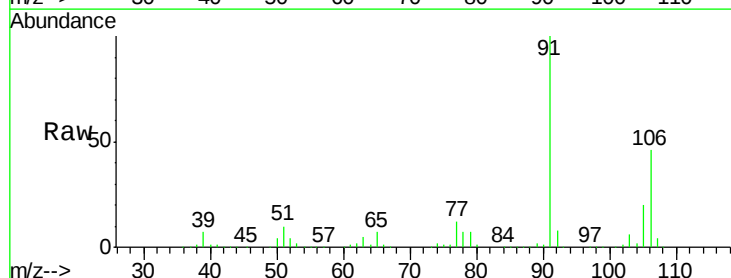
Acq: 25 Sep 2020 13:37

Tgt Ion:106 Resp: 152834

Ion Ratio Lower Upper

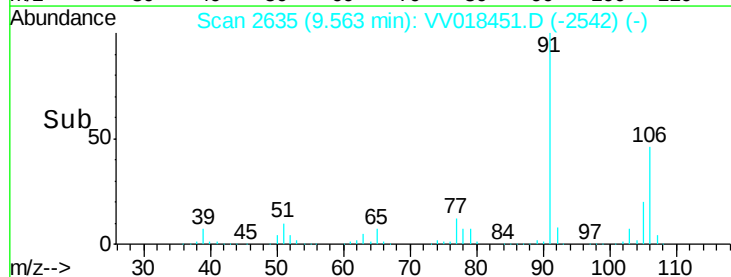
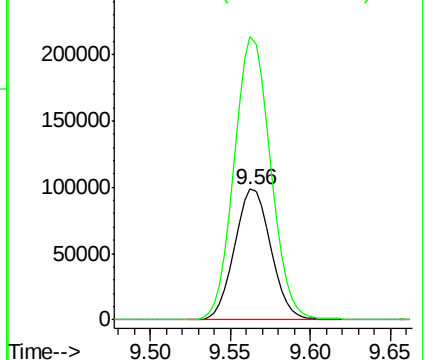
106 100

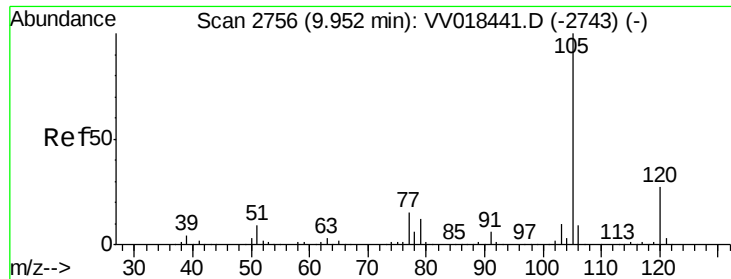
91 216.7 152.2 282.6



Abundance Ion 106.00 (105.70 to 106.70): V

Ion 91.00 (90.70 to 91.70): VV0





#56

Isopropylbenzene

Concen: 15.034 ug/L

RT: 9.95 min Scan# 2756

Delta R.T. -0.00 min

Lab File: VV018451.D

Acq: 25 Sep 2020 13:37

Instrument :

MSVOA_V

ClientSampleID :

BG3Y1DL

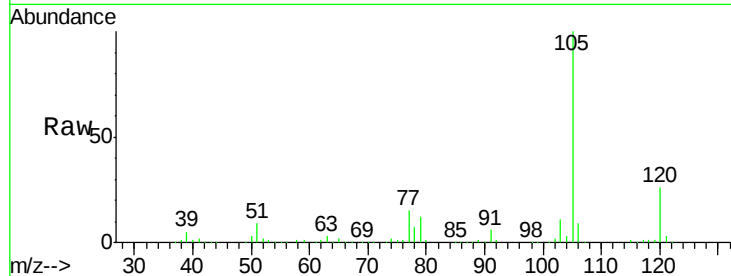
Tot Ion:105 Resp: 183837

Ion Ratio Lower Upper

105 100

120 25.7 20.9 31.3

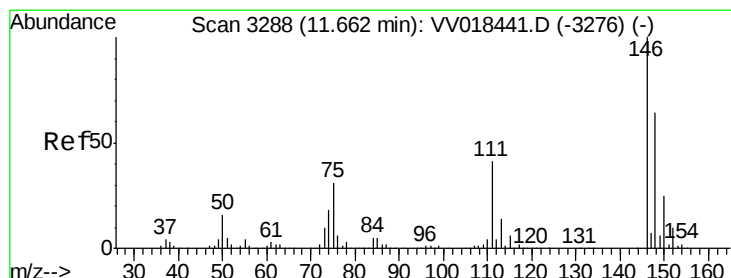
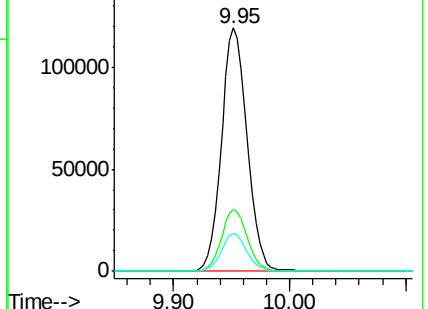
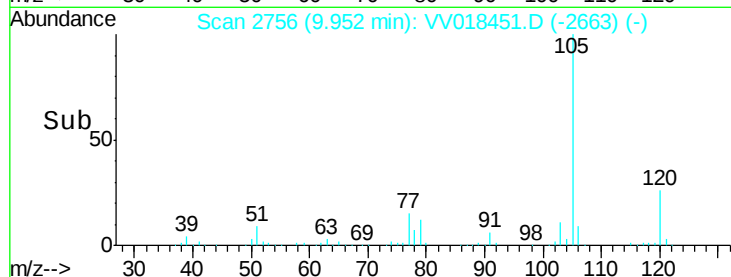
77 15.4 12.5 18.7



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): V



#65

1,2-Dichlorobenzene

Concen: 1.491 ug/L

RT: 11.67 min Scan# 3289

Delta R.T. 0.00 min

Lab File: VV018451.D

Acq: 25 Sep 2020 13:37

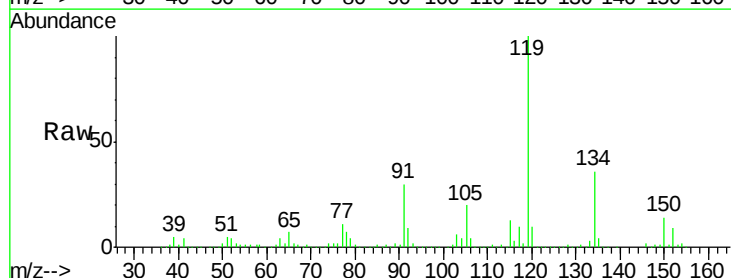
Tgt Ion:146 Resp: 9029

Ion Ratio Lower Upper

146 100

111 46.5 32.8 49.2

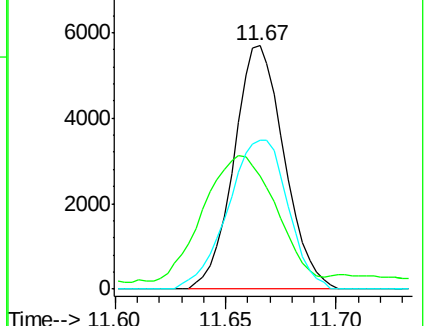
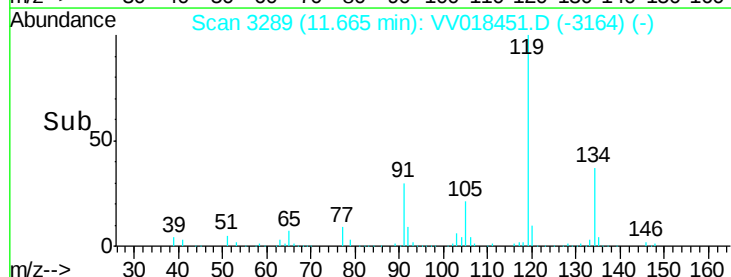
148 61.2 50.7 76.1

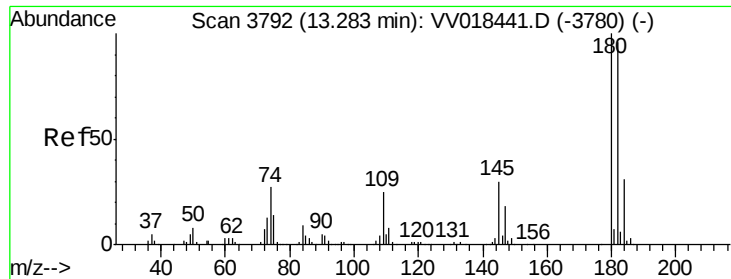


Abundance Ion 146.00 (145.70 to 146.70): V

Ion 111.00 (110.70 to 111.70): V

Ion 148.00 (147.70 to 148.70): V





#68
 1,2,4-trichlorobenzene
 Concen: 0.703 ug/L
 RT: 13.29 min Scan# 3794
 Delta R.T. 0.01 min
 Lab File: VV018451.D
 Acq: 25 Sep 2020 13:37

Instrument :
 MSVOA_V
 ClientSampleId :
 BG3Y1DL

Tot Ion:180 Resp: 2959
 Ion Ratio Lower Upper
 180 100
 182 91.9 77.4 116.2
 145 85.8 23.2 34.8#

