

Data Path : Z:\VOASRV\HPCHEM1\MSVOA V\DATA\VV092920\
 Data File : VV018522.D
 Acq On : 29 Sep 2020 17:30
 Operator : SY/MD
 Sample : L4109-15DL 20X
 Misc : 5.87g/10.0mL/100uL/5.0mL/MSVOA_V/MEOH
 ALS Vial : 17 Sample Multiplier: 1

Instrument :
 MSVOA_V
 ClientSampleId :
 BG3X4DL

Quant Time: Sep 30 03:43:35 2020
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_V\METHOD\SOMVLM092920WMA.M
 Quant Title : VOC Analysis
 QLast Update : Wed Sep 30 01:47:57 2020
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Difluorobenzene	5.64	114	393864	50.00	ug/L	0.00
28) Chlorobenzene-d5	8.87	117	378937	50.00	ug/L	0.00
60) 1,4-Dichlorobenzene-d4	11.27	152	209597	50.00	ug/L	0.00

System Monitoring Compounds

4) Vinyl Chloride-d3	1.32	65	99730	43.17	ug/L	0.00
Spiked Amount	50.000	Range	60 - 135	Recovery	=	86.34%
7) Chloroethane-d5	1.58	69	82561	43.23	ug/L	0.00
Spiked Amount	50.000	Range	70 - 130	Recovery	=	86.46%
11) 1,1-Dichloroethene-d2	2.12	63	149153	31.69	ug/L	0.00
Spiked Amount	50.000	Range	60 - 125	Recovery	=	63.38%
21) 2-Butanone-d5	3.91	46	162055	94.05	ug/L	0.00
Spiked Amount	100.000	Range	40 - 130	Recovery	=	94.05%
24) Chloroform-d	4.38	84	212733	42.59	ug/L	0.00
Spiked Amount	50.000	Range	70 - 125	Recovery	=	85.18%
26) 1,2-Dichloroethane-d4	5.06	65	143228	45.17	ug/L	0.00
Spiked Amount	50.000	Range	70 - 125	Recovery	=	90.34%
32) Benzene-d6	5.07	84	439749	45.82	ug/L	0.00
Spiked Amount	50.000	Range	70 - 125	Recovery	=	91.64%
36) 1,2-Dichloropropane-d6	6.09	67	135761	46.81	ug/L	0.00
Spiked Amount	50.000	Range	70 - 120	Recovery	=	93.62%
41) Toluene-d8	7.34	98	409178	45.31	ug/L	0.00
Spiked Amount	50.000	Range	80 - 120	Recovery	=	90.62%
43) trans-1,3-Dichloropropene-	7.64	79	68855	43.95	ug/L	0.00
Spiked Amount	50.000	Range	60 - 125	Recovery	=	87.90%
47) 2-Hexanone-d5	8.11	63	109118	99.06	ug/L	0.00
Spiked Amount	100.000	Range	45 - 130	Recovery	=	99.06%
57) 1,1,2,2-Tetrachloroethane-	10.24	84	178880	46.52	ug/L	0.00
Spiked Amount	50.000	Range	65 - 120	Recovery	=	93.04%
64) 1,2-Dichlorobenzene-d4	11.65	152	184751	45.83	ug/L	0.00
Spiked Amount	50.000	Range	80 - 120	Recovery	=	91.66%

Target Compounds

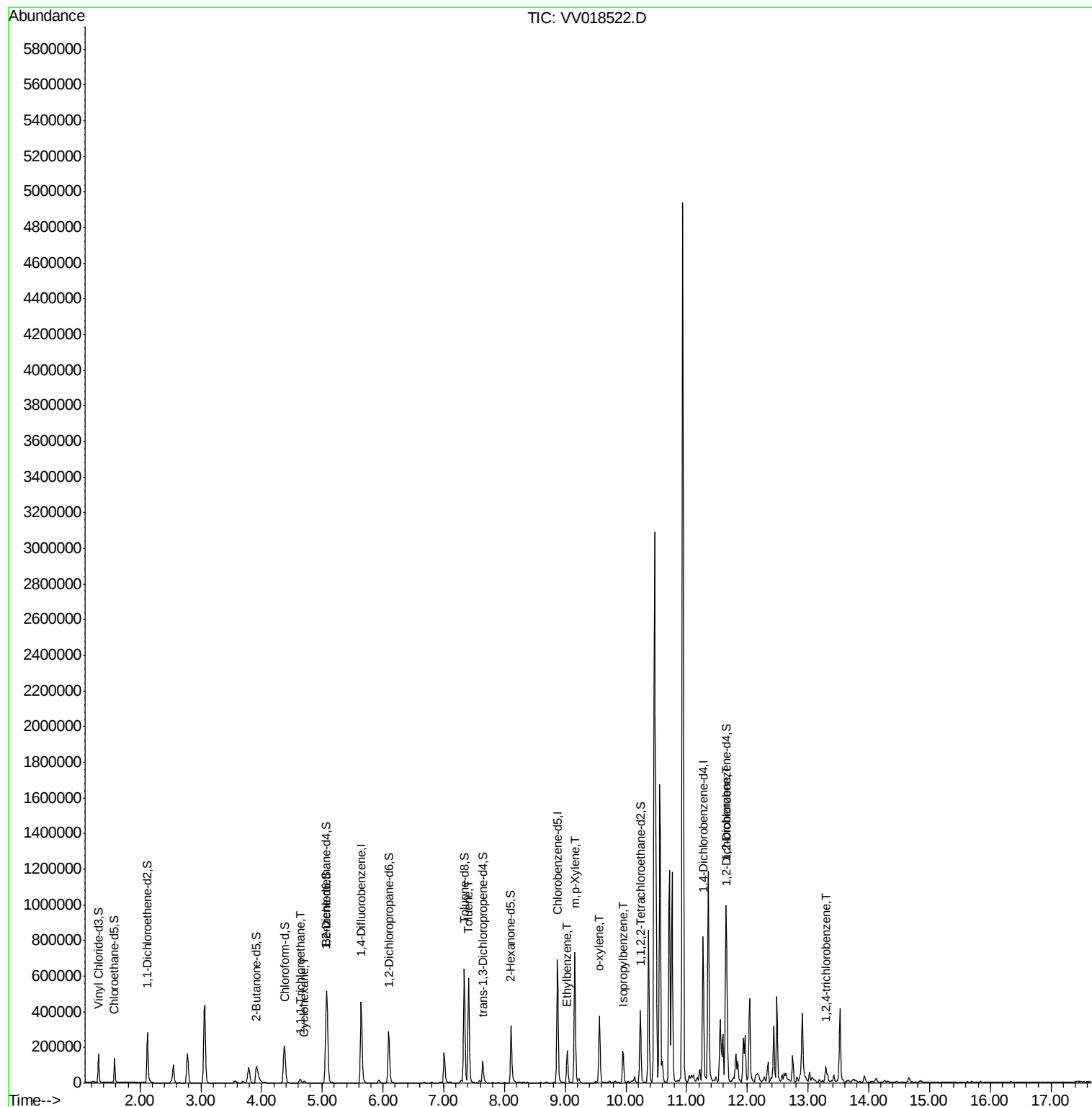
					Ovalue
29) Cyclohexane	4.71	56	4312	0.998 ug/L	93
30) 1,1,1-Trichloroethane	4.63	97	18759	3.988 ug/L	98
42) Toluene	7.41	91	421769	35.021 ug/L	99
52) Ethylbenzene	9.03	91	121821	9.058 ug/L	98
53) m,p-Xylene	9.16	106	205816	39.597 ug/L	98
54) o-xylene	9.57	106	101457	20.617 ug/L	93
56) Isopropylbenzene	9.95	105	114266	8.658 ug/L	100
65) 1,2-Dichlorobenzene	11.67	146	5339	0.796 ug/L #	88
68) 1,2,4-trichlorobenzene	13.29	180	3773	0.863 ug/L #	88

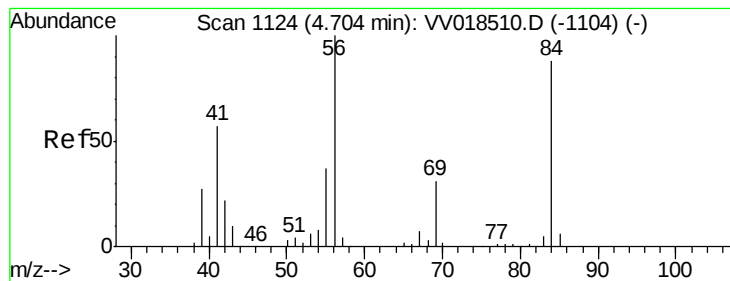
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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Misc : 5.87g/10.0mL/100uL/5.0mL/MSVOA_V/MEOH
ALS Vial : 17 Sample Multiplier: 1

Instrument :
MSVOA_V
ClientSampleId :
BG3X4DL

Quant Time: Sep 30 03:43:35 2020
Quant Method : Z:\V0ASRV\HPCHEM1\MSVOA_V\METHOD\SOMVLM092920WMA.M
Quant Title : VOC Analysis
QLast Update : Wed Sep 30 01:47:57 2020
Response via : Initial Calibration





#29

Cvclohexane

Concen: 0.998 ug/L

RT: 4.71 min Scan# 1125

Delta R.T. 0.00 min

Lab File: VV018522.D

Acq: 29 Sep 2020 17:30

Instrument :

MSVOA_V

ClientSampleId :

BG3X4DL

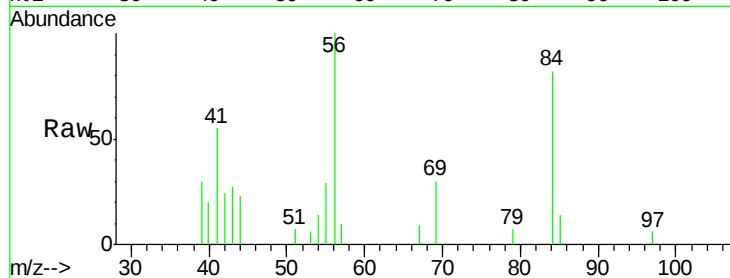
Tot Ion: 56 Resp: 4312

Ion Ratio Lower Upper

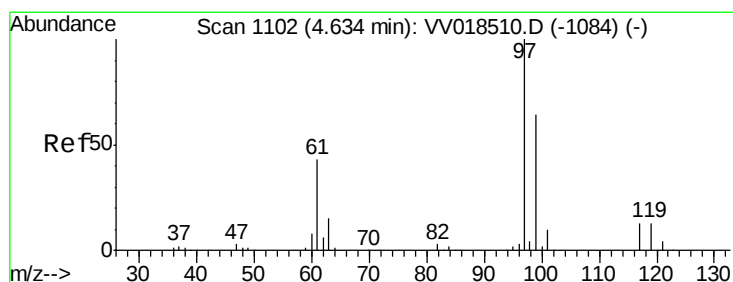
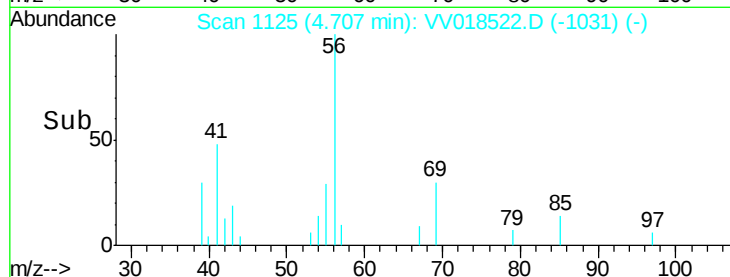
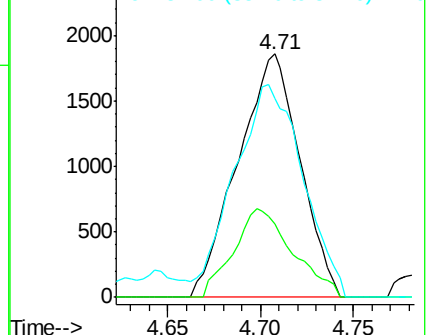
56 100

69 34.7 24.8 37.2

84 97.1 72.2 108.4



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: 3.988 ug/L

RT: 4.63 min Scan# 1102

Delta R.T. -0.00 min

Lab File: VV018522.D

Acq: 29 Sep 2020 17:30

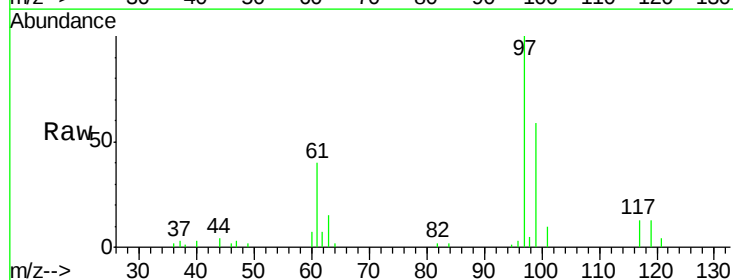
Tgt Ion: 97 Resp: 18759

Ion Ratio Lower Upper

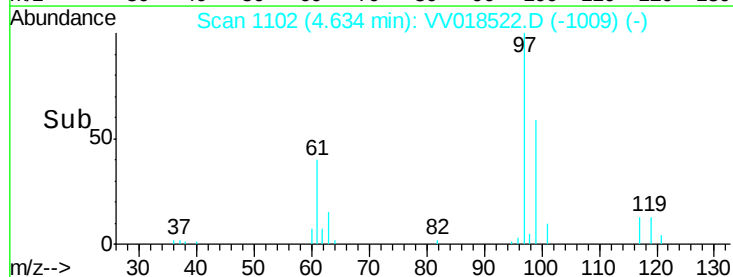
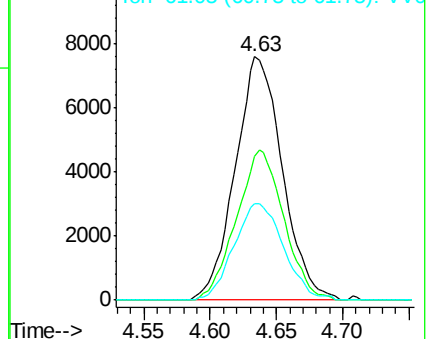
97 100

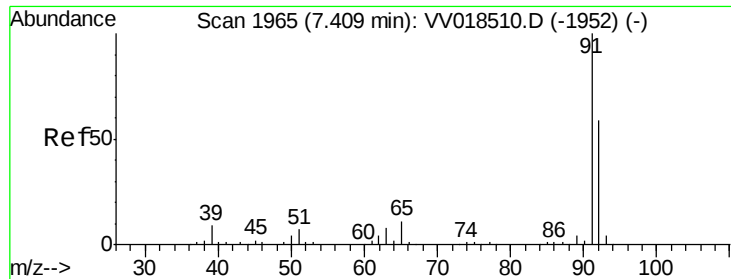
99 62.0 51.4 77.0

61 41.6 33.9 50.9



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: 35.021 ug/L

RT: 7.41 min Scan# 1965

Delta R.T. -0.00 min

Lab File: VV018522.D

Acq: 29 Sep 2020 17:30

Instrument :

MSVOA_V

ClientSampled :

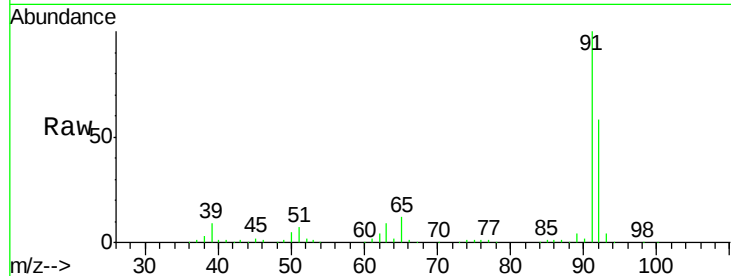
BG3X4DL

Tot Ion: 91 Resp: 421769

Ion Ratio Lower Upper

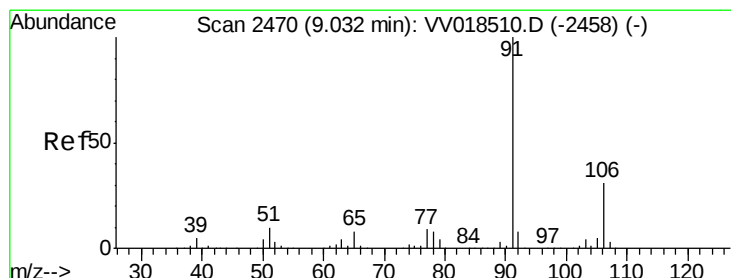
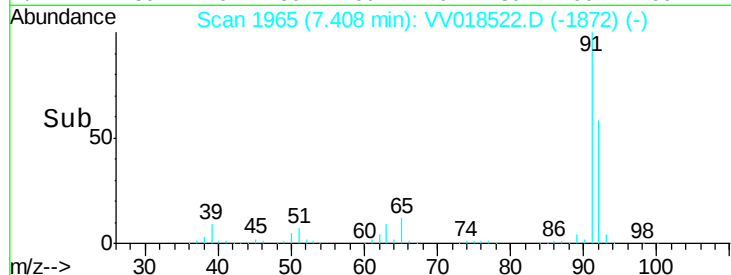
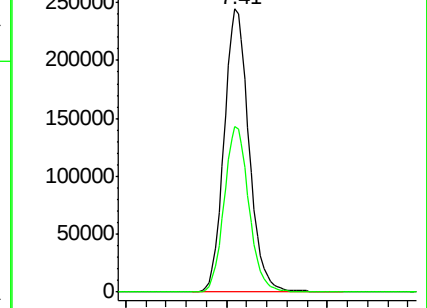
91 100

92 58.4 41.6 77.3



Abundance Ion 91.00 (90.70 to 91.70): VV0

Ion 92.00 (91.70 to 92.70): VV0



#52

Ethylbenzene

Concen: 9.058 ug/L

RT: 9.03 min Scan# 2470

Delta R.T. -0.00 min

Lab File: VV018522.D

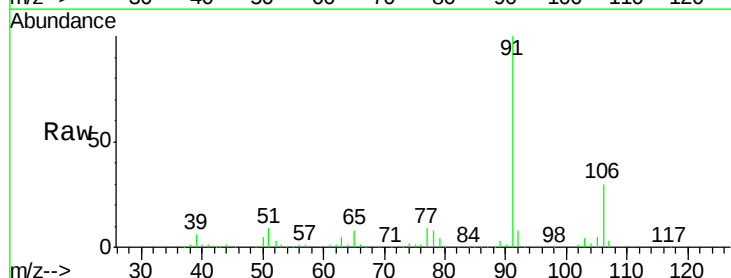
Acq: 29 Sep 2020 17:30

Tgt Ion: 91 Resp: 121821

Ion Ratio Lower Upper

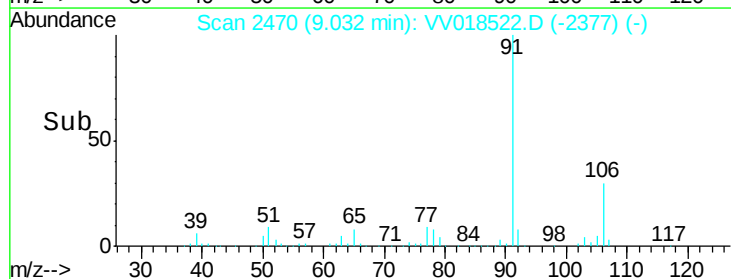
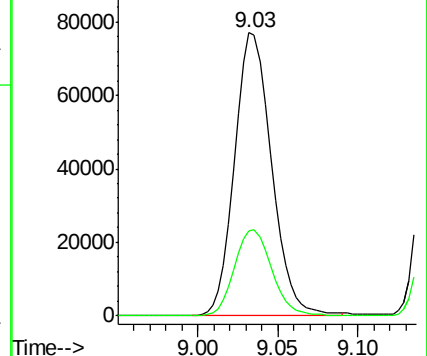
91 100

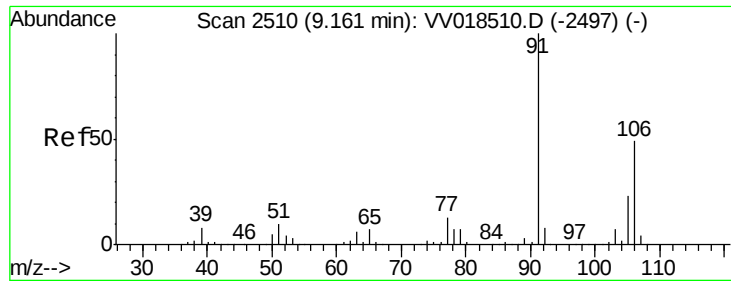
106 30.2 21.9 40.7



Abundance Ion 91.00 (90.70 to 91.70): VV0

Ion 106.00 (105.70 to 106.70): V

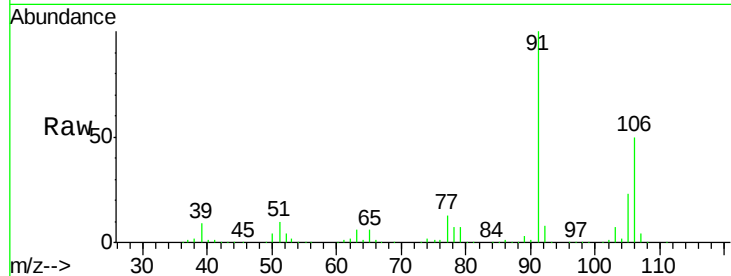




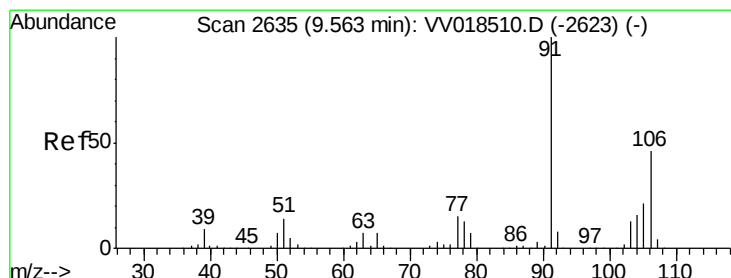
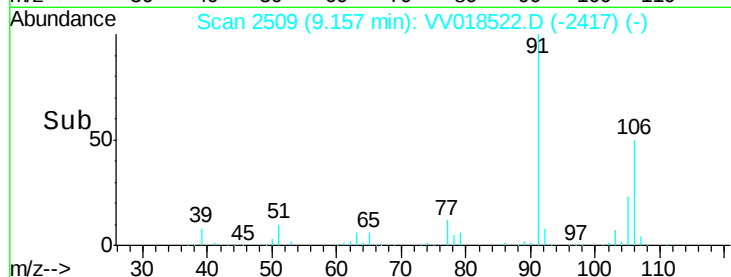
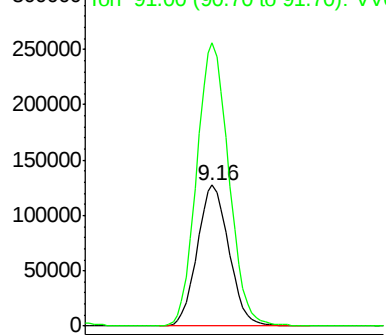
#53
m,p-Xylene
Concen: 39.597 ug/L
RT: 9.16 min Scan# 2509
Delta R.T. -0.00 min
Lab File: VV018522.D
Acq: 29 Sep 2020 17:30

Instrument :
MSVOA_V
ClientSampleId :
BG3X4DL

Tot Ion:106 Resp: 205816
Ion Ratio Lower Upper
106 100
91 200.7 142.3 264.3

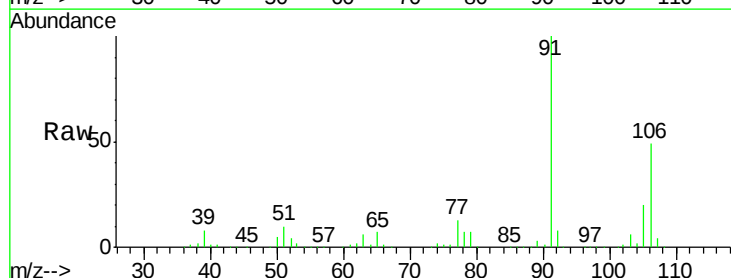


Abundance Ion 106.00 (105.70 to 106.70): V
Ion 91.00 (90.70 to 91.70): VV0

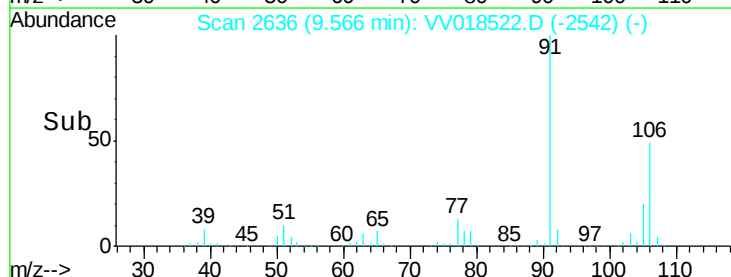
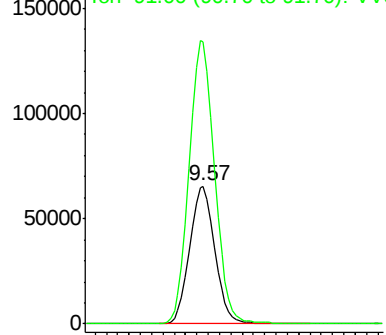


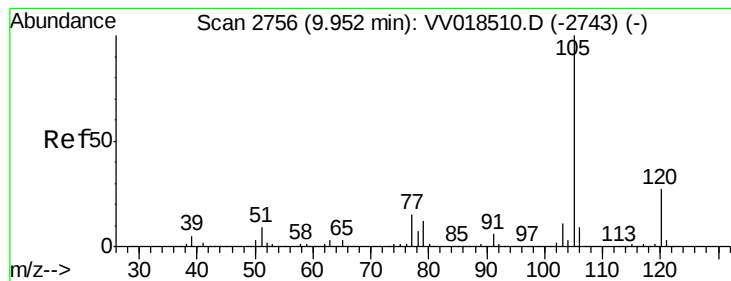
#54
o-xylene
Concen: 20.617 ug/L
RT: 9.57 min Scan# 2636
Delta R.T. 0.00 min
Lab File: VV018522.D
Acq: 29 Sep 2020 17:30

Tgt Ion:106 Resp: 101457
Ion Ratio Lower Upper
106 100
91 204.4 151.0 280.4



Abundance Ion 106.00 (105.70 to 106.70): V
Ion 91.00 (90.70 to 91.70): VV0





#56

Isopropylbenzene

Concen: 8.658 ug/L

RT: 9.95 min Scan# 2756

Delta R.T. -0.00 min

Lab File: VV018522.D

Acq: 29 Sep 2020 17:30

Instrument :

MSVOA_V

ClientSampleID :

BG3X4DL

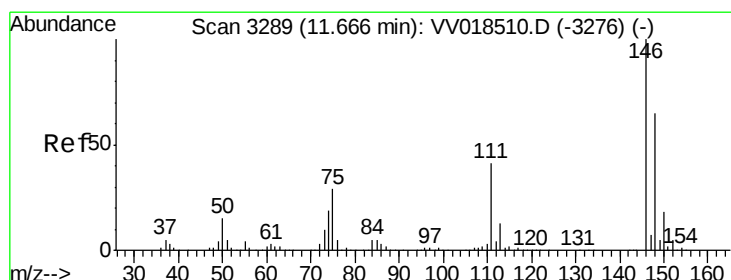
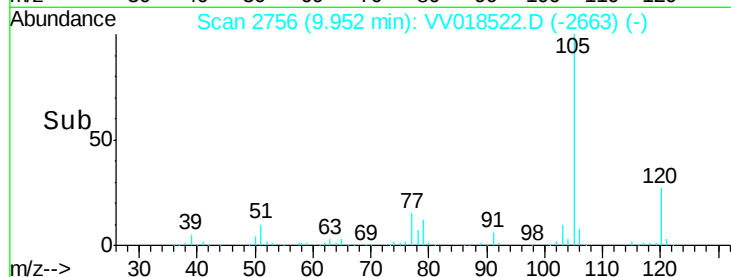
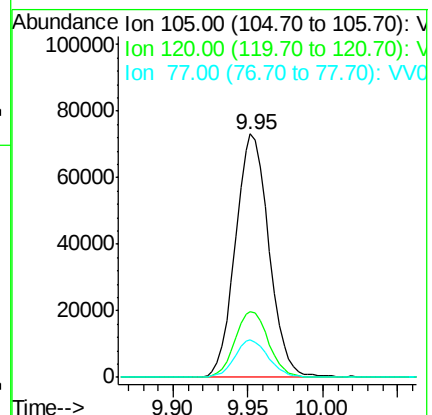
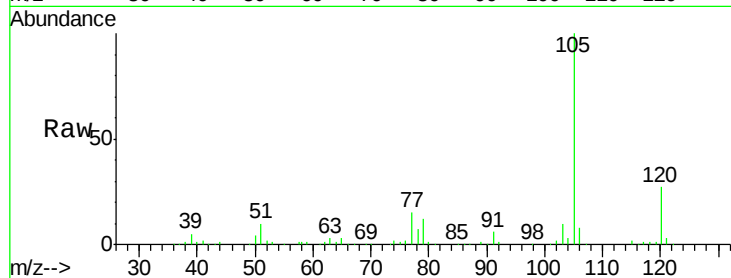
Tot Ion:105 Resp: 114266

Ion Ratio Lower Upper

105 100

120 27.0 21.5 32.3

77 15.5 12.2 18.2



#65

1,2-Dichlorobenzene

Concen: 0.796 ug/L

RT: 11.67 min Scan# 3289

Delta R.T. -0.00 min

Lab File: VV018522.D

Acq: 29 Sep 2020 17:30

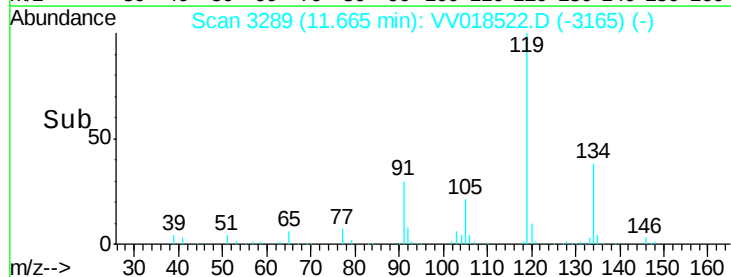
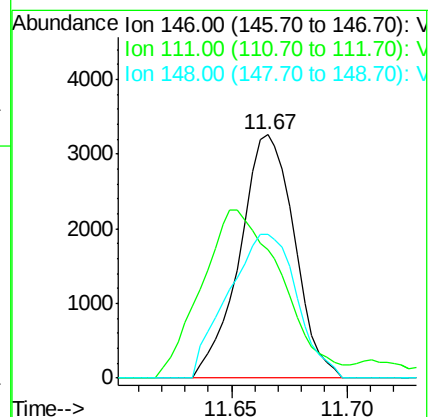
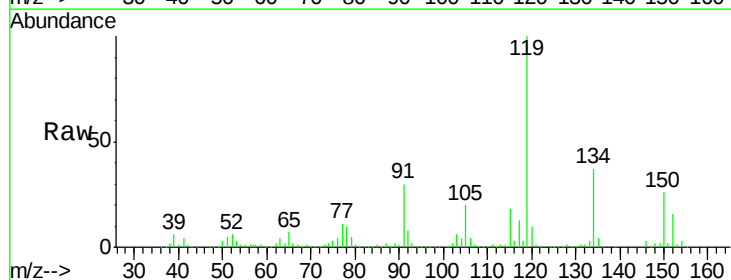
Tgt Ion:146 Resp: 5339

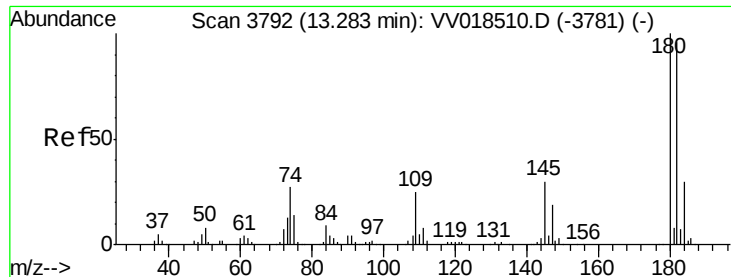
Ion Ratio Lower Upper

146 100

111 52.5 32.8 49.2#

148 59.0 51.9 77.9

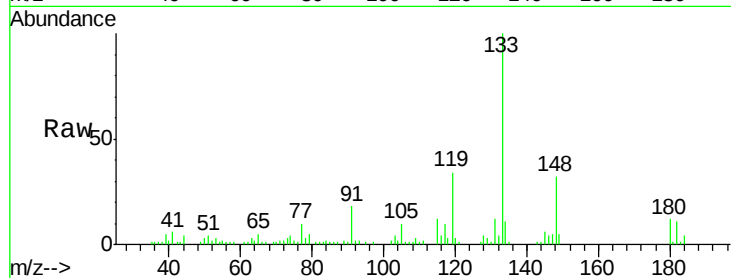




#68
 1,2,4-trichlorobenzene
 Concen: 0.863 ug/L
 RT: 13.29 min Scan# 3793
 Delta R.T. 0.00 min
 Lab File: VV018522.D
 Acq: 29 Sep 2020 17:30

Instrument :
 MSVOA_V
 ClientSampleId :
 BG3X4DL

Tot Ion:180 Resp: 3773
 Ion Ratio Lower Upper
 180 100
 182 94.9 76.3 114.5
 145 55.6 23.6 35.4#



Abundance Ion 180.00 (179.70 to 180.70): V
 Ion 182.00 (181.70 to 182.70): V
 Ion 145.00 (144.70 to 145.70): V

