

Data Path : Z:\VOASRV\HPCHEM1\MSVOA V\DATA\VV092820\
 Data File : VV018485.D
 Acq On : 28 Sep 2020 11:56
 Operator : SY/MD
 Sample : L4109-11MEDL 5X
 Misc : 5.91g/5.0mL/100uL/5.0mL/MSVOA_V/MEOH
 ALS Vial : 5 Sample Multiplier: 1

Instrument :
 MSVOA_V
 ClientSampleId :
 BG3X1MEDL

Quant Time: Sep 29 01:10:38 2020
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_V\METHOD\SOMVLM090920WMA.M
 Quant Title : VOC Analysis
 QLast Update : Tue Sep 29 00:50:40 2020
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Difluorobenzene	5.64	114	356106	50.00	ug/L	0.00
28) Chlorobenzene-d5	8.87	117	343732	50.00	ug/L	0.00
60) 1,4-Dichlorobenzene-d4	11.27	152	190190	50.00	ug/L	0.00

System Monitoring Compounds

4) Vinyl Chloride-d3	1.32	65	117997	40.66	ug/L	0.00
Spiked Amount	50.000	Range	60 - 135	Recovery	=	81.32%
7) Chloroethane-d5	1.58	69	100400	42.28	ug/L	0.00
Spiked Amount	50.000	Range	70 - 130	Recovery	=	84.56%
11) 1,1-Dichloroethene-d2	2.12	63	166987	31.37	ug/L	0.00
Spiked Amount	50.000	Range	60 - 125	Recovery	=	62.74%
21) 2-Butanone-d5	3.92	46	159948	90.04	ug/L	0.01
Spiked Amount	100.000	Range	40 - 130	Recovery	=	90.04%
24) Chloroform-d	4.37	84	211226	41.95	ug/L	0.00
Spiked Amount	50.000	Range	70 - 125	Recovery	=	83.90%
26) 1,2-Dichloroethane-d4	5.05	65	139555	43.24	ug/L	0.00
Spiked Amount	50.000	Range	70 - 125	Recovery	=	86.48%
32) Benzene-d6	5.07	84	440637	44.78	ug/L	0.00
Spiked Amount	50.000	Range	70 - 125	Recovery	=	89.56%
36) 1,2-Dichloropropane-d6	6.09	67	140545	44.95	ug/L	0.00
Spiked Amount	50.000	Range	70 - 120	Recovery	=	89.90%
41) Toluene-d8	7.34	98	404933	45.15	ug/L	0.00
Spiked Amount	50.000	Range	80 - 120	Recovery	=	90.30%
43) trans-1,3-Dichloropropene-	7.64	79	72343	45.53	ug/L	0.00
Spiked Amount	50.000	Range	60 - 125	Recovery	=	91.06%
47) 2-Hexanone-d5	8.11	63	113206	95.59	ug/L	0.00
Spiked Amount	100.000	Range	45 - 130	Recovery	=	95.59%
57) 1,1,2,2-Tetrachloroethane-	10.24	84	187403	47.76	ug/L	0.00
Spiked Amount	50.000	Range	65 - 120	Recovery	=	95.52%
64) 1,2-Dichlorobenzene-d4	11.65	152	181104	46.37	ug/L	0.00
Spiked Amount	50.000	Range	80 - 120	Recovery	=	92.74%

Target Compounds

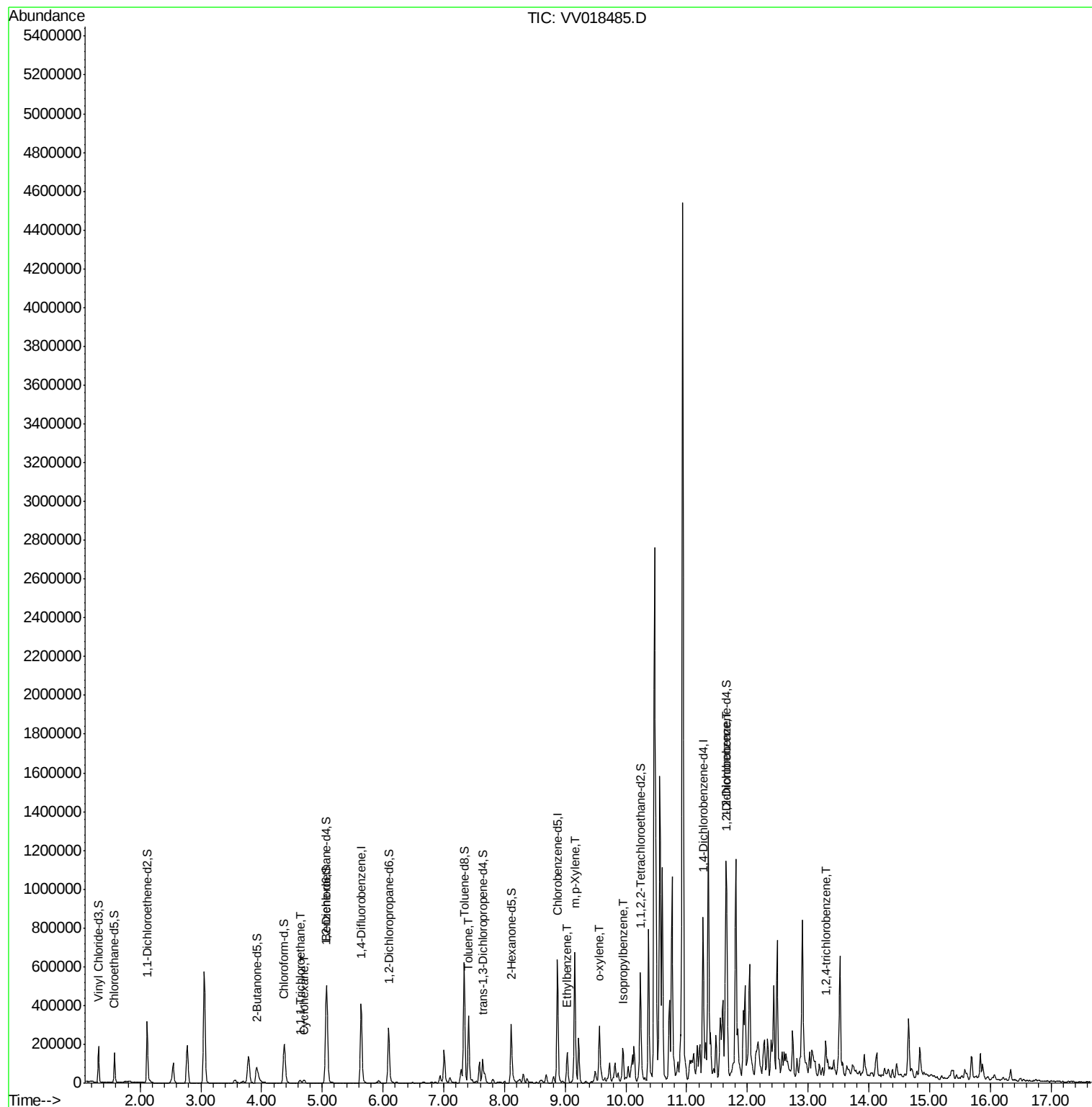
					Ovalue
29) Cyclohexane	4.70	56	8633	2.175 ug/L	98
30) 1,1,1-Trichloroethane	4.63	97	12969	3.251 ug/L	99
42) Toluene	7.41	91	253737	24.397 ug/L	100
52) Ethylbenzene	9.03	91	107070	9.430 ug/L	99
53) m,p-Xylene	9.16	106	186200	43.934 ug/L	95
54) o-xylene	9.56	106	75134	18.402 ug/L	99
56) Isopropylbenzene	9.95	105	108137	9.827 ug/L	100
65) 1,2-Dichlorobenzene	11.67	146	7906	1.383 ug/L #	72
68) 1,2,4-trichlorobenzene	13.29	180	7006	1.765 ug/L #	67

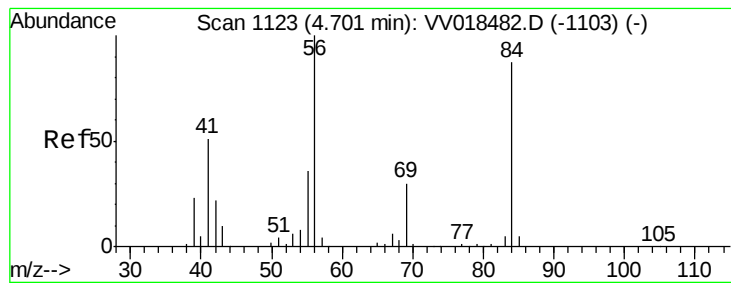
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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Quant Title : VOC Analysis
QLast Update : Tue Sep 29 00:50:40 2020
Response via : Initial Calibration





#29

Cvclohexane

Concen: 2.175 ug/L

RT: 4.70 min Scan# 1123

Delta R.T. 0.00 min

Lab File: VV018485.D

Acq: 28 Sep 2020 11:56

Instrument :

MSVOA_V

ClientSampleId :

BG3X1MEDL

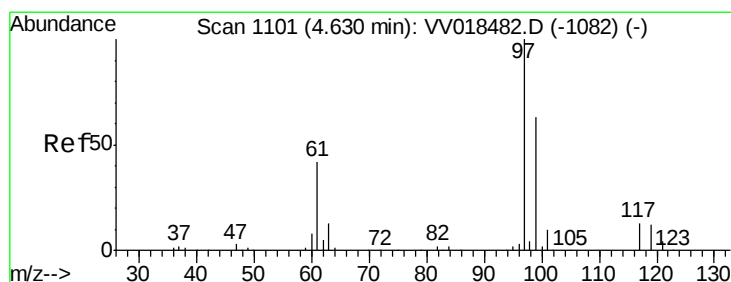
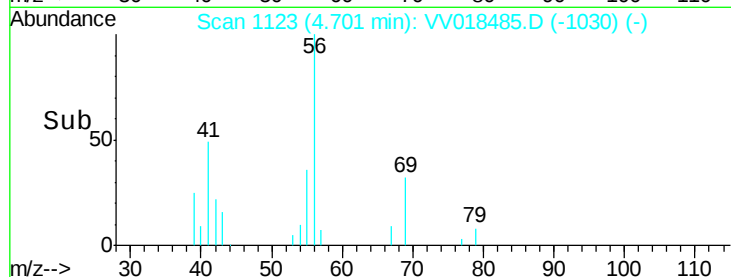
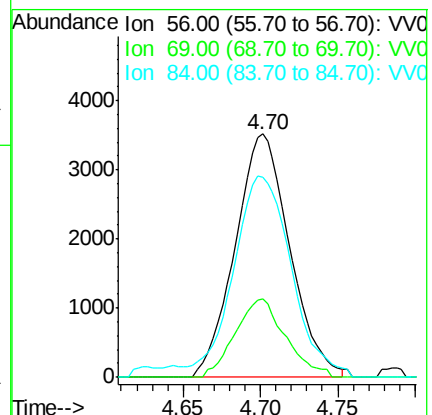
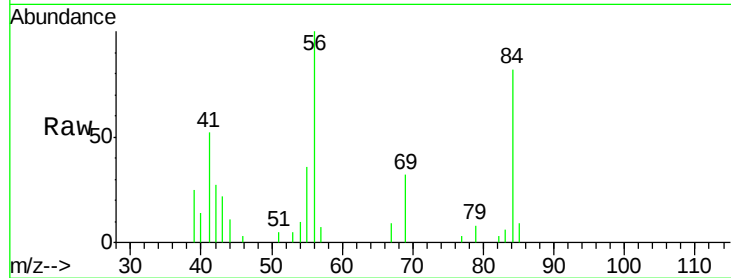
Tot Ion: 56 Resp: 8633

Ion Ratio Lower Upper

56 100

69 29.4 24.2 36.2

84 87.5 68.3 102.5



#30

1,1,1-Trichloroethane

Concen: 3.251 ug/L

RT: 4.63 min Scan# 1101

Delta R.T. 0.00 min

Lab File: VV018485.D

Acq: 28 Sep 2020 11:56

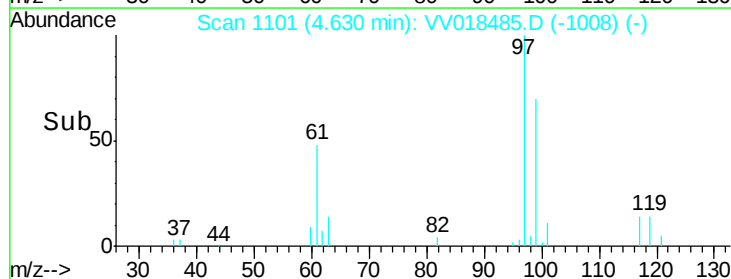
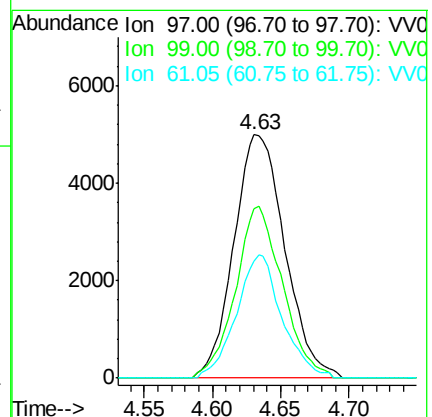
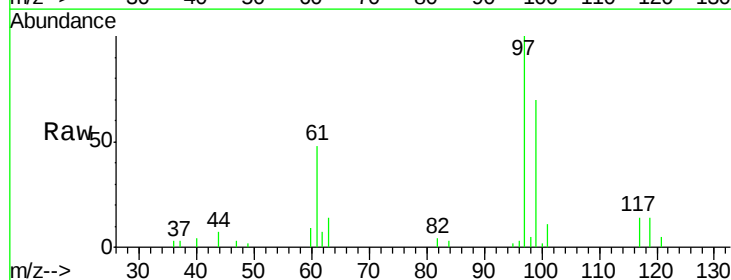
Tgt Ion: 97 Resp: 12969

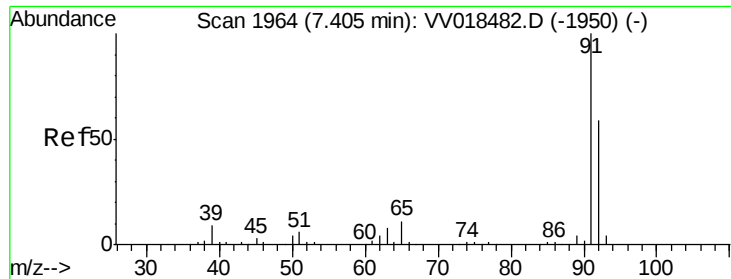
Ion Ratio Lower Upper

97 100

99 64.9 51.6 77.4

61 45.0 34.9 52.3





#42

Toluene

Concen: 24.397 ug/L

RT: 7.41 min Scan# 1965

Delta R.T. 0.00 min

Lab File: VV018485.D

Acq: 28 Sep 2020 11:56

Instrument :

MSVOA_V

ClientSampleId :

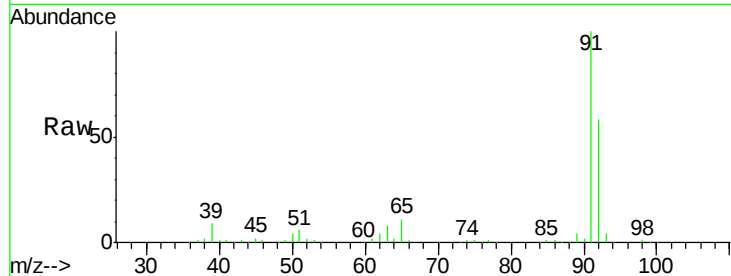
BG3X1MEDL

Tot Ion: 91 Resp: 253737

Ion Ratio Lower Upper

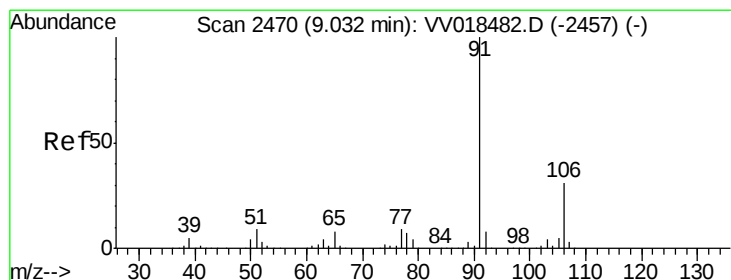
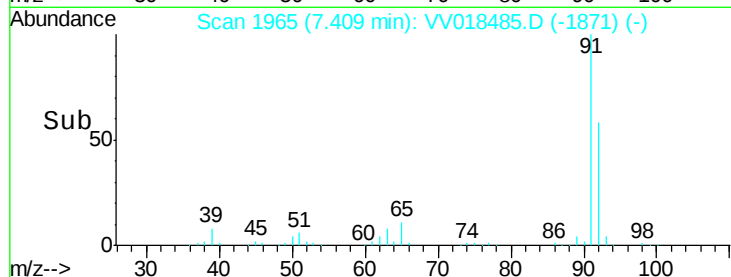
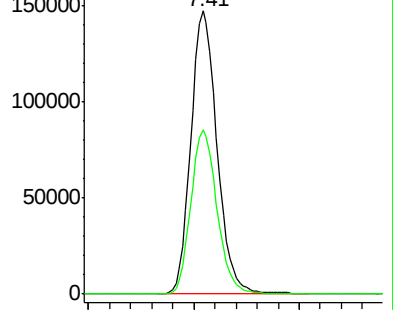
91 100

92 58.2 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: 9.430 ug/L

RT: 9.03 min Scan# 2470

Delta R.T. 0.00 min

Lab File: VV018485.D

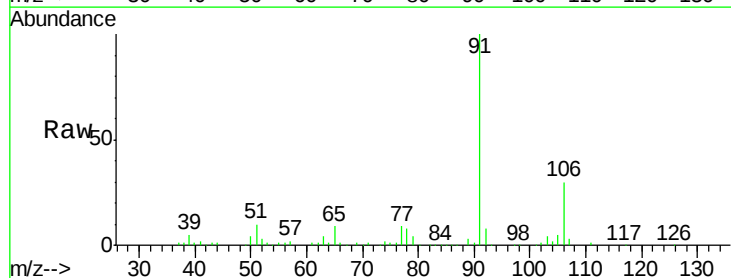
Acq: 28 Sep 2020 11:56

Tgt Ion: 91 Resp: 107070

Ion Ratio Lower Upper

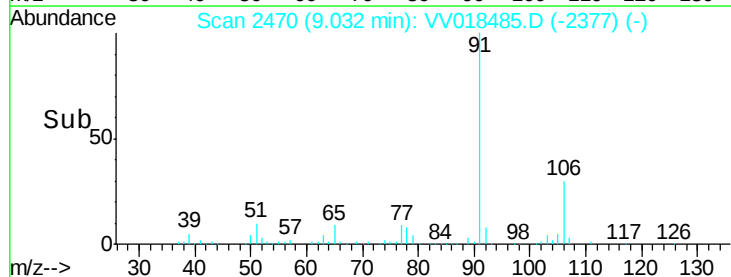
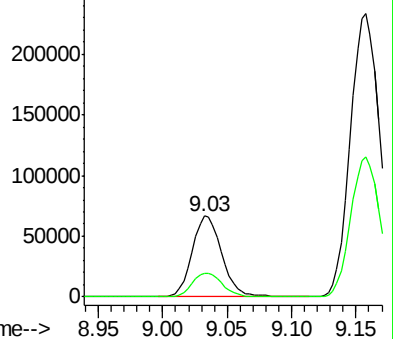
91 100

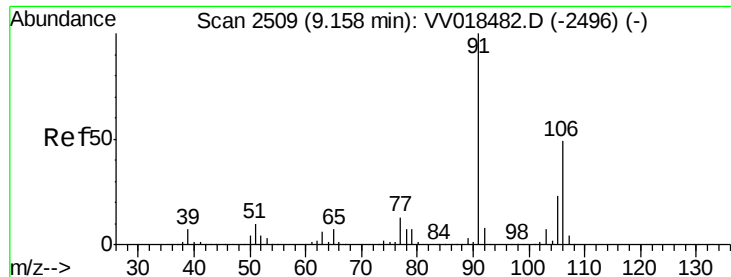
106 29.9 21.3 39.5



Abundance Ion 91.00 (90.70 to 91.70): VV0

Ion 106.00 (105.70 to 106.70): V





#53

m,p-Xylene

Concen: 43.934 ug/L

RT: 9.16 min Scan# 2509

Delta R.T. 0.00 min

Lab File: VV018485.D

Acq: 28 Sep 2020 11:56

Instrument :

MSVOA_V

ClientSampleId :

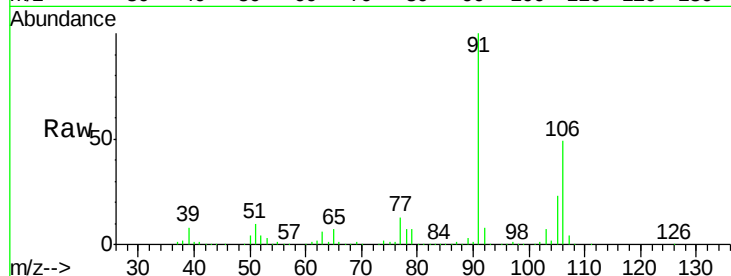
BG3X1MEDL

Tot Ion:106 Resp: 186200

Ion Ratio Lower Upper

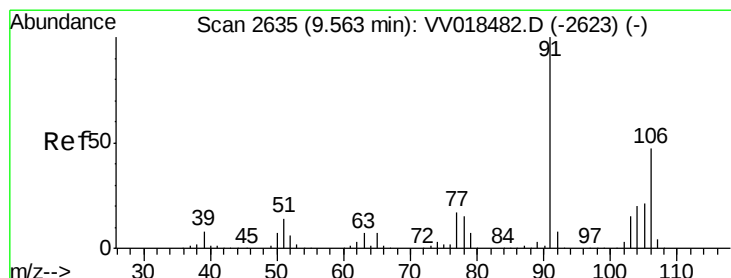
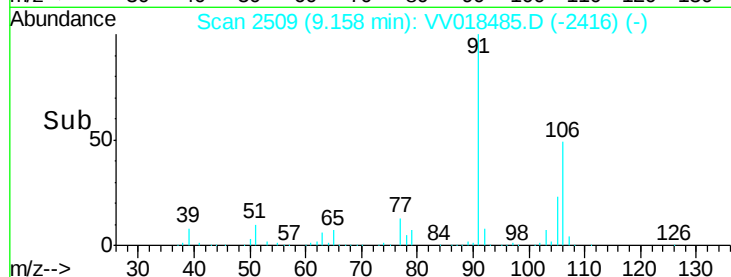
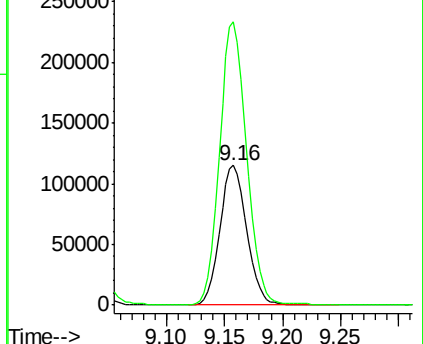
106 100

91 202.4 146.7 272.5



Abundance Ion 106.00 (105.70 to 106.70): V

Ion 91.00 (90.70 to 91.70): VV0



#54

o-xylene

Concen: 18.402 ug/L

RT: 9.56 min Scan# 2635

Delta R.T. 0.00 min

Lab File: VV018485.D

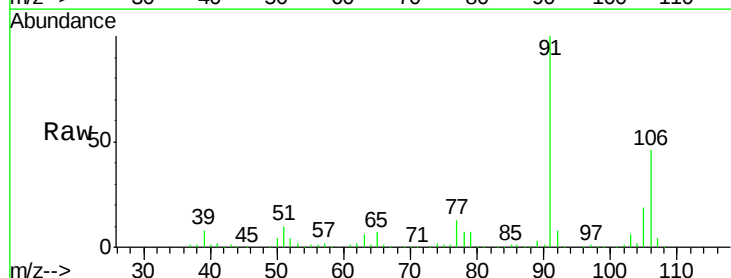
Acq: 28 Sep 2020 11:56

Tgt Ion:106 Resp: 75134

Ion Ratio Lower Upper

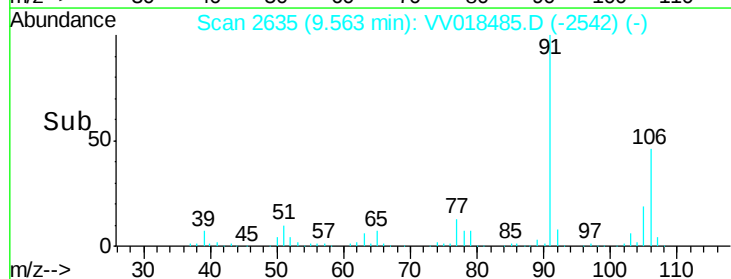
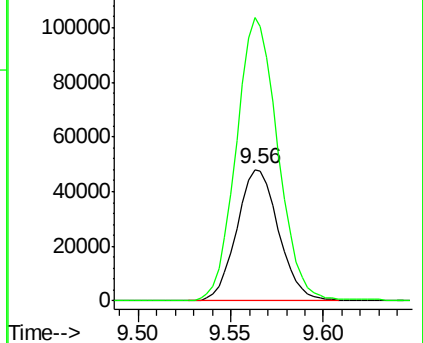
106 100

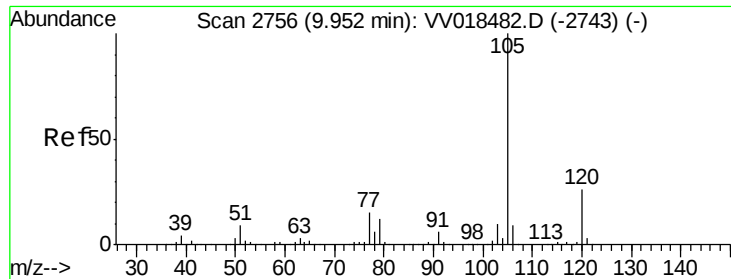
91 215.2 152.2 282.6



Abundance Ion 106.00 (105.70 to 106.70): V

Ion 91.00 (90.70 to 91.70): VV0





#56

Isopropylbenzene

Concen: 9.827 ug/L

RT: 9.95 min Scan# 2756

Delta R.T. 0.00 min

Lab File: VV018485.D

Acq: 28 Sep 2020 11:56

Instrument :

MSVOA_V

ClientSampled :

BG3X1MEDL

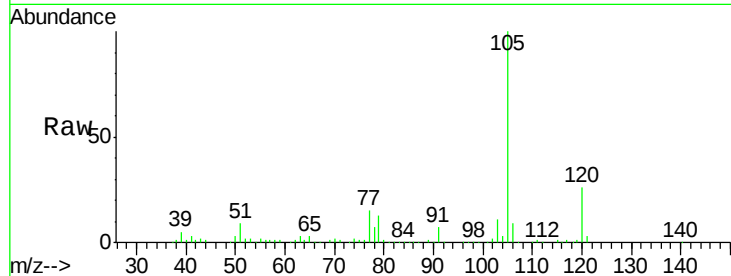
Tot Ion:105 Resp: 108137

Ion Ratio Lower Upper

105 100

120 26.3 20.9 31.3

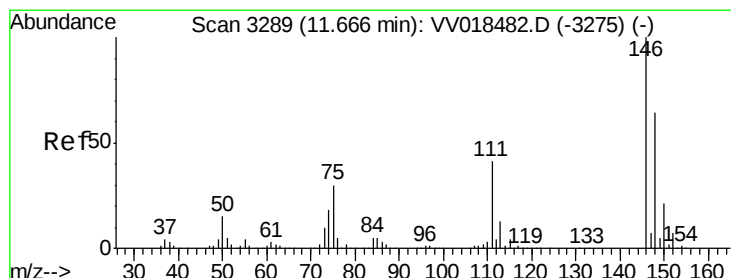
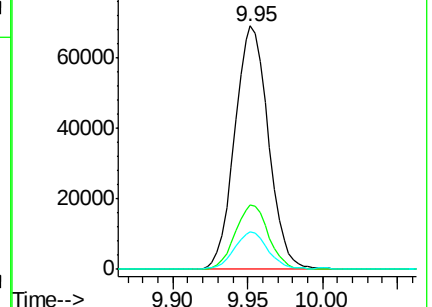
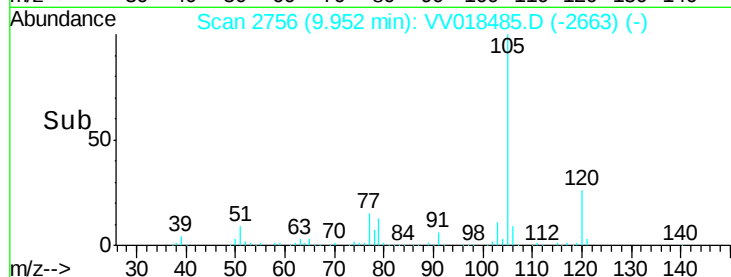
77 15.5 12.5 18.7



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: 1.383 ug/L

RT: 11.67 min Scan# 3289

Delta R.T. 0.00 min

Lab File: VV018485.D

Acq: 28 Sep 2020 11:56

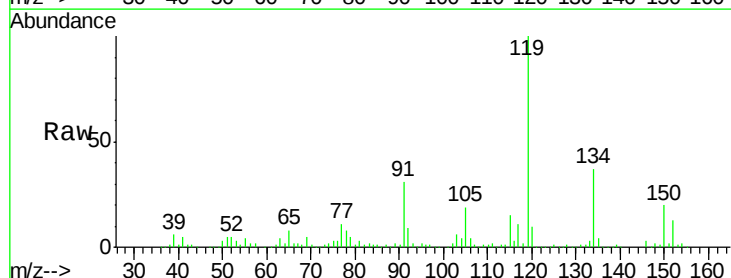
Tgt Ion:146 Resp: 7906

Ion Ratio Lower Upper

146 100

111 80.8 32.8 49.2#

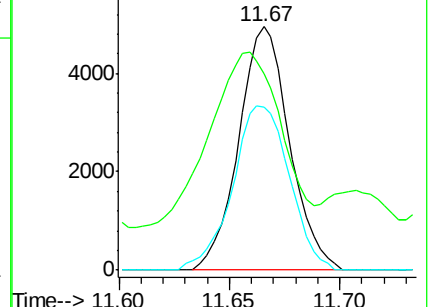
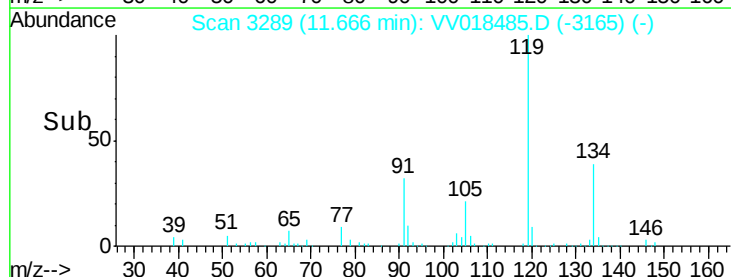
148 67.1 50.7 76.1

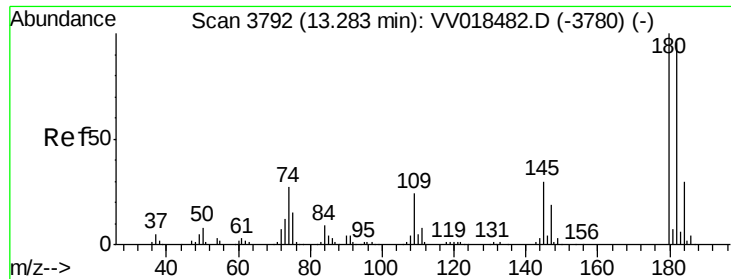


Abundance Ion 146.00 (145.70 to 146.70): V

Ion 111.00 (110.70 to 111.70): V

Ion 148.00 (147.70 to 148.70): V





#68
 1,2,4-trichlorobenzene
 Concen: 1.765 ug/L
 RT: 13.29 min Scan# 3793
 Delta R.T. 0.00 min
 Lab File: VV018485.D
 Acq: 28 Sep 2020 11:56

Instrument :
 MSVOA_V
 ClientSampleId :
 BG3X1MEDL

Tot Ion:180 Resp: 7006
 Ion Ratio Lower Upper
 180 100
 182 98.8 77.4 116.2
 145 100.9 23.2 34.8#

