

Data Path : Z:\VOASRV\HPCHEM1\MSVOA V\DATA\VV092520\
 Data File : VV018445.D
 Acq On : 25 Sep 2020 11:01
 Operator : SY/MD
 Sample : L4109-05MEDL 5X
 Misc : 6.46g/5.0mL/100uL/5.0mL/MSVOA_V/MEOH
 ALS Vial : 6 Sample Multiplier: 1

Instrument :
 MSVOA_V
 ClientSampleId :
 BG3W9MEDL

Quant Time: Sep 26 00:11:56 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	351103	50.00	ug/L	0.00
28) Chlorobenzene-d5	8.87	117	335371	50.00	ug/L	0.00
60) 1,4-Dichlorobenzene-d4	11.27	152	182302	50.00	ug/L	0.00

System Monitoring Compounds

4) Vinyl Chloride-d3	1.32	65	96375	33.68	ug/L	0.00
Spiked Amount	50.000	Range	60 - 135	Recovery	=	67.36%
7) Chloroethane-d5	1.58	69	90392	38.61	ug/L	0.00
Spiked Amount	50.000	Range	70 - 130	Recovery	=	77.22%
11) 1,1-Dichloroethene-d2	2.12	63	153048	29.16	ug/L	0.00
Spiked Amount	50.000	Range	60 - 125	Recovery	=	58.32%#
21) 2-Butanone-d5	3.92	46	178704	102.04	ug/L	0.00
Spiked Amount	100.000	Range	40 - 130	Recovery	=	102.04%
24) Chloroform-d	4.38	84	222228	44.76	ug/L	0.00
Spiked Amount	50.000	Range	70 - 125	Recovery	=	89.52%
26) 1,2-Dichloroethane-d4	5.06	65	148987	46.82	ug/L	0.00
Spiked Amount	50.000	Range	70 - 125	Recovery	=	93.64%
32) Benzene-d6	5.08	84	464566	48.39	ug/L	0.00
Spiked Amount	50.000	Range	70 - 125	Recovery	=	96.78%
36) 1,2-Dichloropropane-d6	6.09	67	151800	49.76	ug/L	0.00
Spiked Amount	50.000	Range	70 - 120	Recovery	=	99.52%
41) Toluene-d8	7.34	98	428481	48.97	ug/L	0.00
Spiked Amount	50.000	Range	80 - 120	Recovery	=	97.94%
43) trans-1,3-Dichloropropene-	7.64	79	75621	48.78	ug/L	0.00
Spiked Amount	50.000	Range	60 - 125	Recovery	=	97.56%
47) 2-Hexanone-d5	8.11	63	127624	110.45	ug/L	0.00
Spiked Amount	100.000	Range	45 - 130	Recovery	=	110.45%
57) 1,1,2,2-Tetrachloroethane-	10.24	84	200705	52.42	ug/L	0.00
Spiked Amount	50.000	Range	65 - 120	Recovery	=	104.84%
64) 1,2-Dichlorobenzene-d4	11.65	152	196502	52.48	ug/L	0.00
Spiked Amount	50.000	Range	80 - 120	Recovery	=	104.96%

Target Compounds

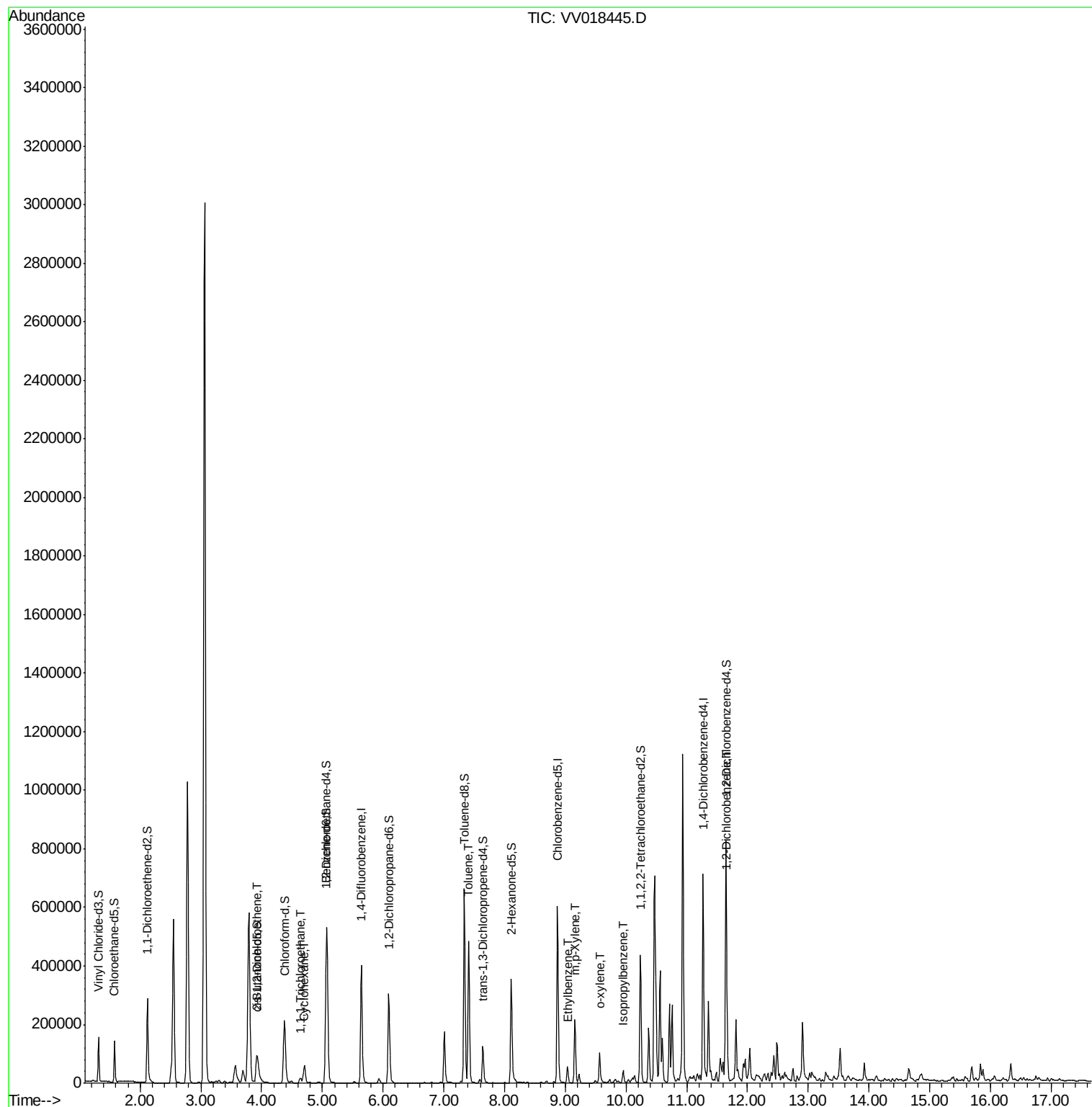
Target Compounds	R.T.	QIon	Response	Conc	Units	Ovalue
20) cis-1,2-Dichloroethene	3.94	96	3234	1.273	ug/L	95
29) Cyclohexane	4.70	56	34017	8.784	ug/L	99
30) 1,1,1-Trichloroethane	4.64	97	14053	3.611	ug/L	98
42) Toluene	7.41	91	354005	34.886	ug/L	99
52) Ethylbenzene	9.04	91	39960	3.607	ug/L	98
53) m,p-Xylene	9.16	106	61410	14.851	ug/L	96
54) o-xylene	9.57	106	27199	6.828	ug/L	96
56) Isopropylbenzene	9.95	105	27228	2.536	ug/L	98
65) 1,2-Dichlorobenzene	11.67	146	3997	0.729	ug/L #	82

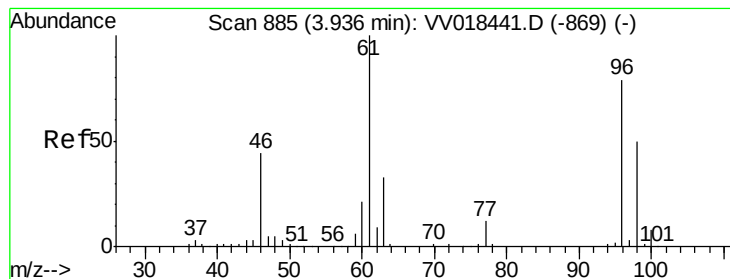
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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Quant Title : VOC Analysis
QLast Update : Fri Sep 25 23:36:18 2020
Response via : Initial Calibration





#20

cis-1,2-Dichloroethene

Concen: 1.273 ug/L

RT: 3.94 min Scan# 886

Delta R.T. 0.00 min

Lab File: VV018445.D

Acq: 25 Sep 2020 11:01

Instrument :

MSVOA_V

ClientSampleId :

BG3W9MEDL

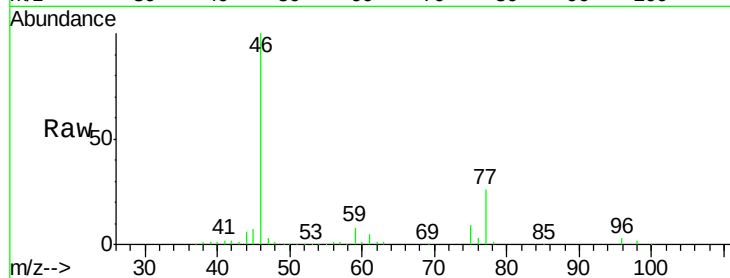
Tot Ion: 96 Resp: 3234

Ion Ratio Lower Upper

96 100

61 139.3 93.6 173.8

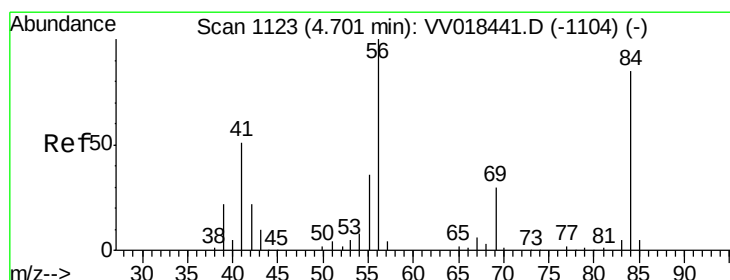
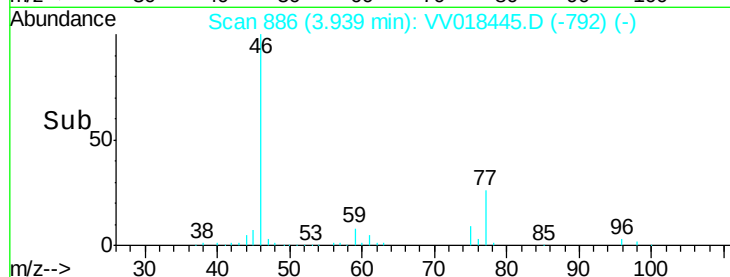
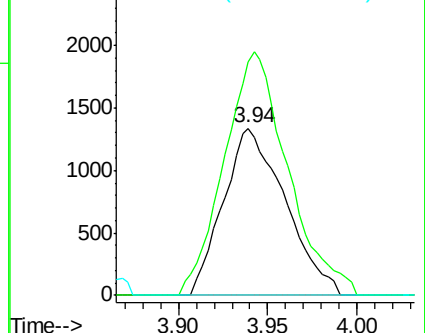
68 0.0 0.0 0.0



Abundance Ion 96.00 (95.70 to 96.70): VV0

Ion 61.00 (60.70 to 61.70): VV0

Ion 68.00 (67.70 to 68.70): VV0



#29

Cyclohexane

Concen: 8.784 ug/L

RT: 4.70 min Scan# 1124

Delta R.T. 0.00 min

Lab File: VV018445.D

Acq: 25 Sep 2020 11:01

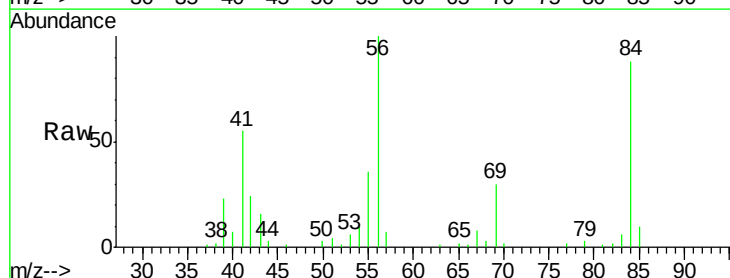
Tgt Ion: 56 Resp: 34017

Ion Ratio Lower Upper

56 100

69 30.1 24.2 36.2

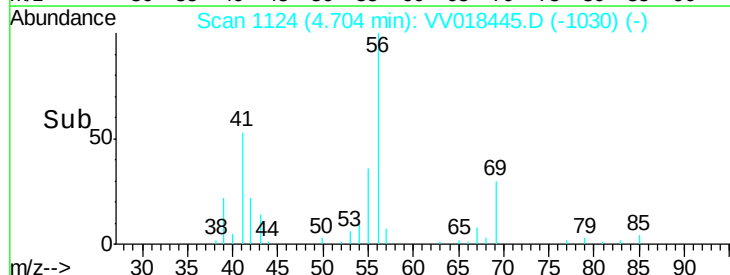
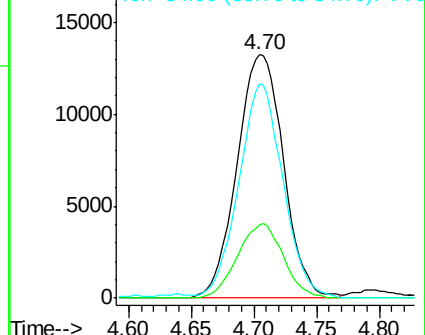
84 84.0 68.3 102.5

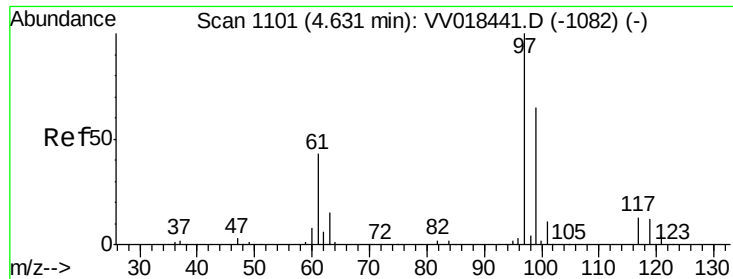


Abundance Ion 56.00 (55.70 to 56.70): VV0

Ion 69.00 (68.70 to 69.70): VV0

Ion 84.00 (83.70 to 84.70): VV0

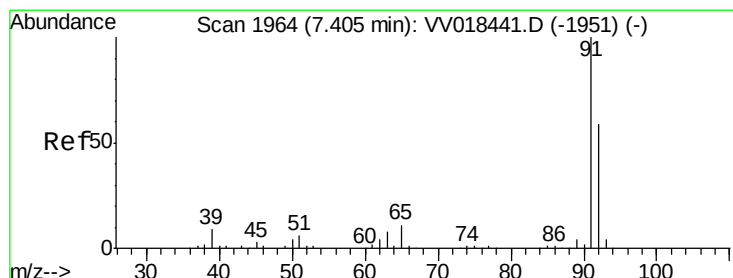
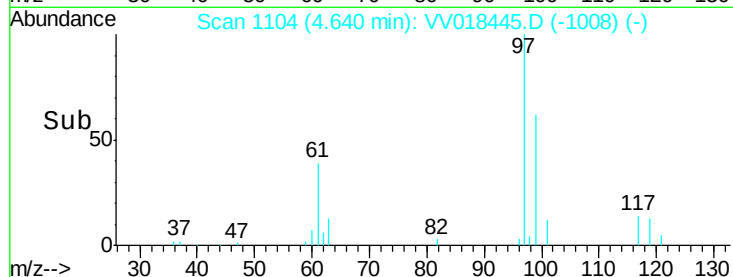
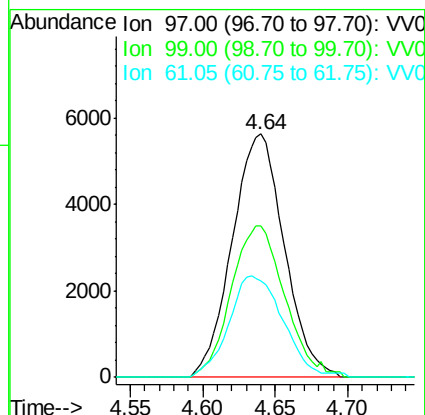
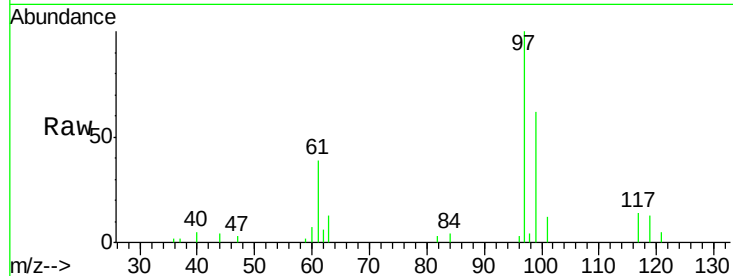




#30
 1,1,1-Trichloroethane
 Concen: 3.611 ug/L
 RT: 4.64 min Scan# 1104
 Delta R.T. 0.01 min
 Lab File: VV018445.D
 Acq: 25 Sep 2020 11:01

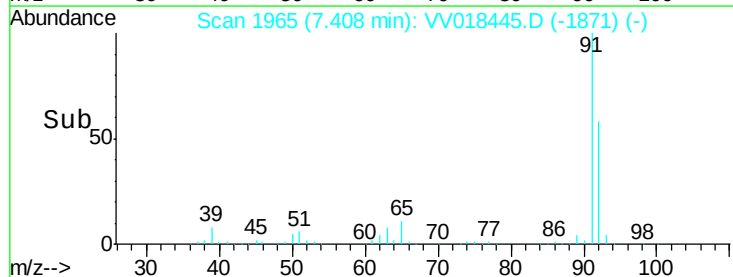
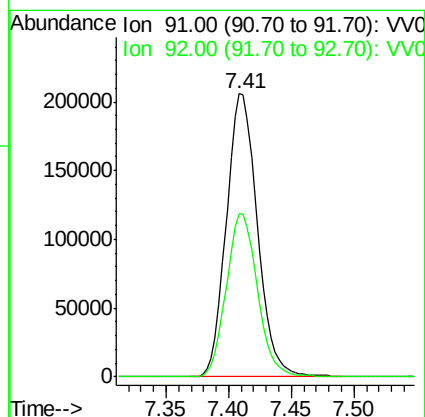
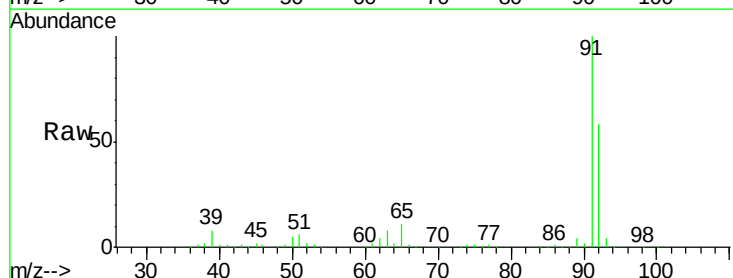
Instrument :
 MSVOA_V
 ClientSampleID :
 BG3W9MEDL

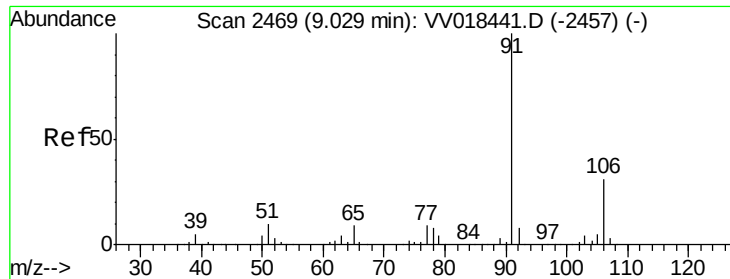
Tot Ion: 97 Resp: 14053
 Ion Ratio Lower Upper
 97 100
 99 62.9 51.6 77.4
 61 43.0 34.9 52.3



#42
 Toluene
 Concen: 34.886 ug/L
 RT: 7.41 min Scan# 1965
 Delta R.T. 0.00 min
 Lab File: VV018445.D
 Acq: 25 Sep 2020 11:01

Tgt Ion: 91 Resp: 354005
 Ion Ratio Lower Upper
 91 100
 92 57.7 40.7 75.5





#52

Ethylbenzene

Concen: 3.607 ug/L

RT: 9.04 min Scan# 2471

Delta R.T. 0.01 min

Lab File: VV018445.D

Acq: 25 Sep 2020 11:01

Instrument :

MSVOA_V

ClientSampleId :

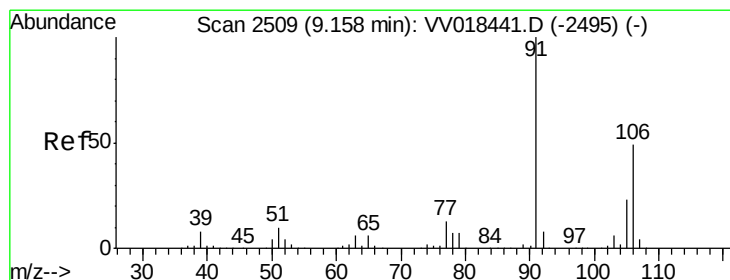
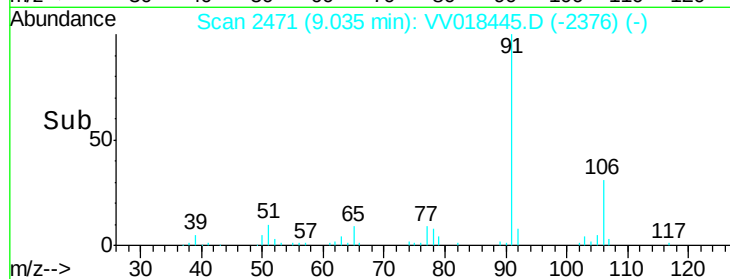
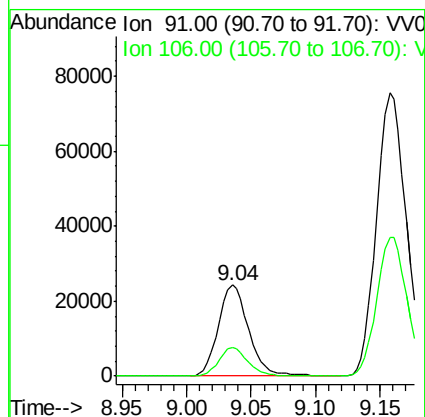
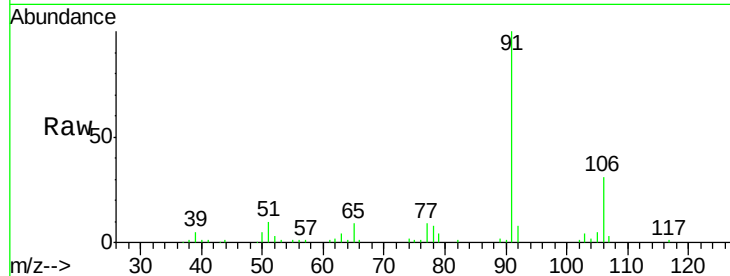
BG3W9MEDL

Tot Ion: 91 Resp: 39960

Ion Ratio Lower Upper

91 100

106 31.5 21.3 39.5



#53

m,p-Xylene

Concen: 14.851 ug/L

RT: 9.16 min Scan# 2509

Delta R.T. -0.00 min

Lab File: VV018445.D

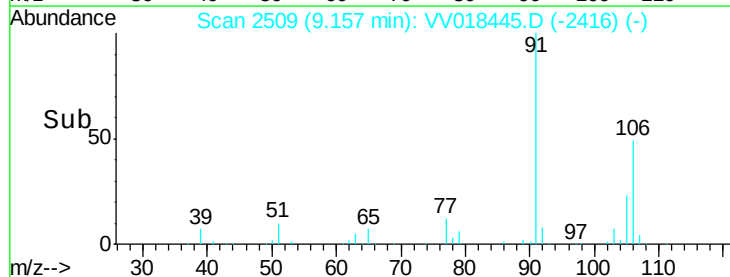
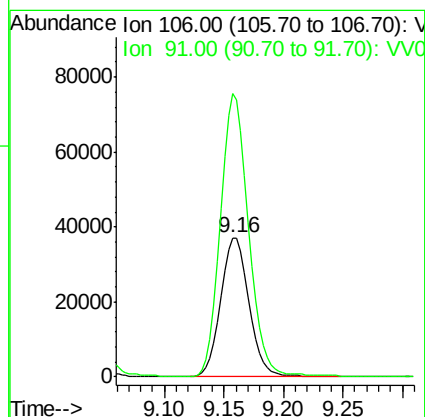
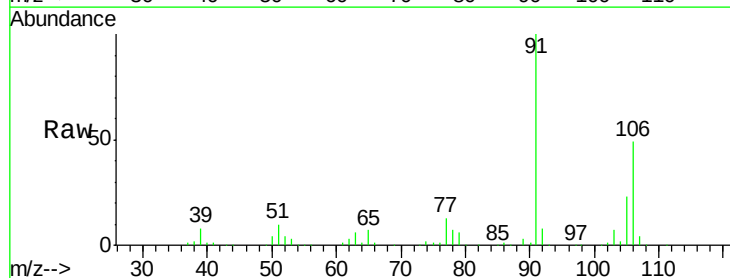
Acq: 25 Sep 2020 11:01

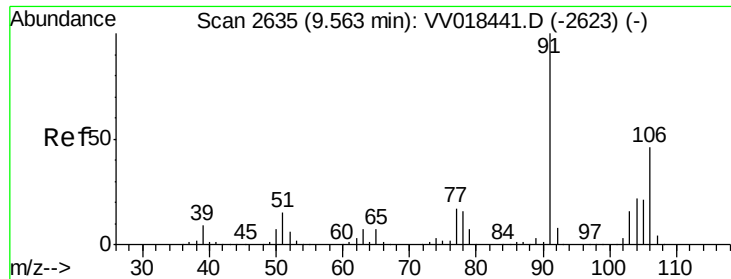
Tgt Ion: 106 Resp: 61410

Ion Ratio Lower Upper

106 100

91 204.0 146.7 272.5





#54

o-xylene

Concen: 6.828 ug/L

RT: 9.57 min Scan# 2636

Delta R.T. 0.00 min

Lab File: VV018445.D

Acq: 25 Sep 2020 11:01

Instrument :

MSVOA_V

ClientSampleId :

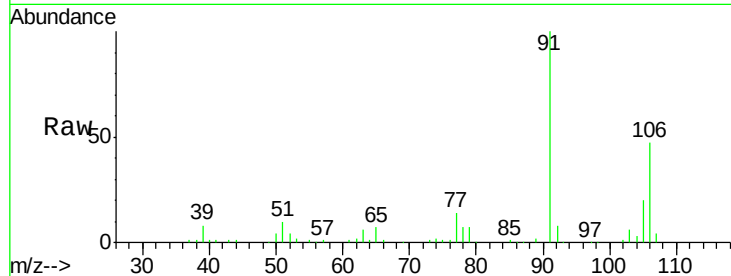
BG3W9MEDL

Tot Ion:106 Resp: 27199

Ion Ratio Lower Upper

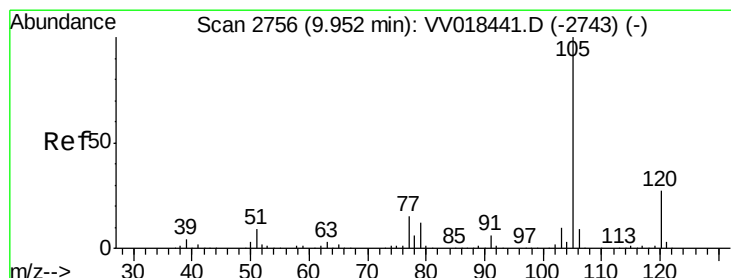
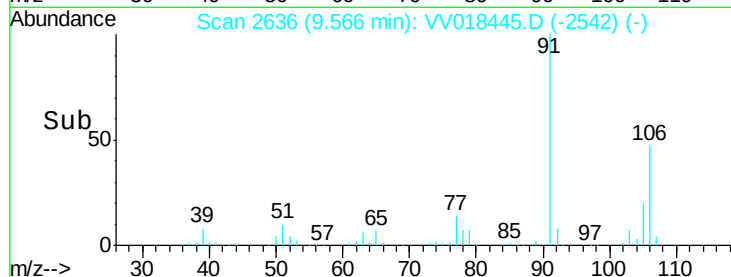
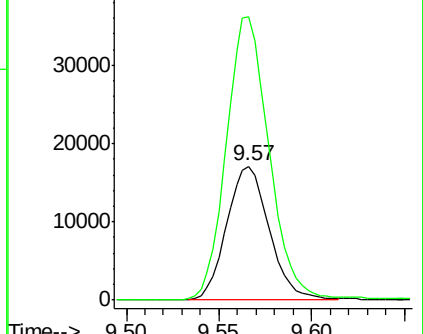
106 100

91 211.5 152.2 282.6



Abundance Ion 106.00 (105.70 to 106.70): V

Ion 91.00 (90.70 to 91.70): VV0



#56

Isopropylbenzene

Concen: 2.536 ug/L

RT: 9.95 min Scan# 2756

Delta R.T. -0.00 min

Lab File: VV018445.D

Acq: 25 Sep 2020 11:01

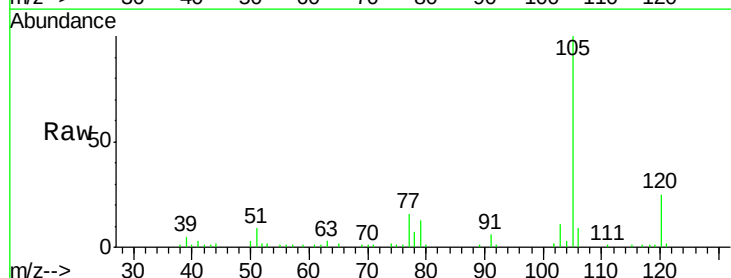
Tgt Ion:105 Resp: 27228

Ion Ratio Lower Upper

105 100

120 25.3 20.9 31.3

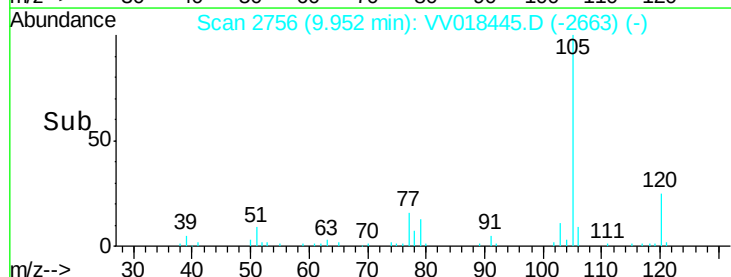
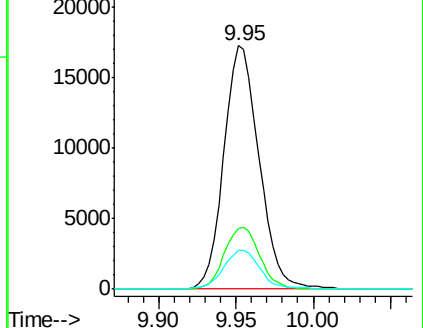
77 16.4 12.5 18.7

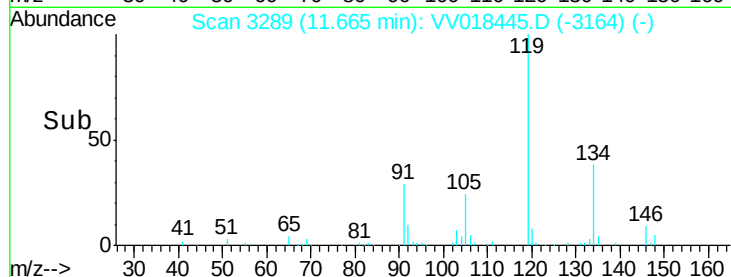
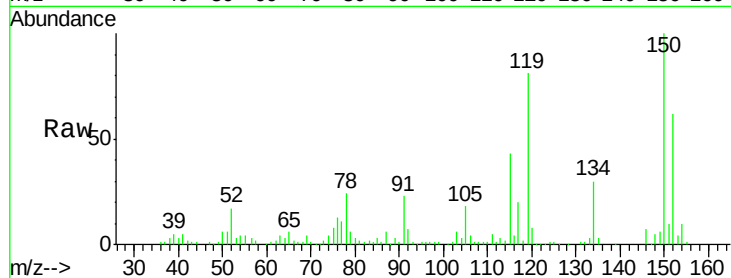
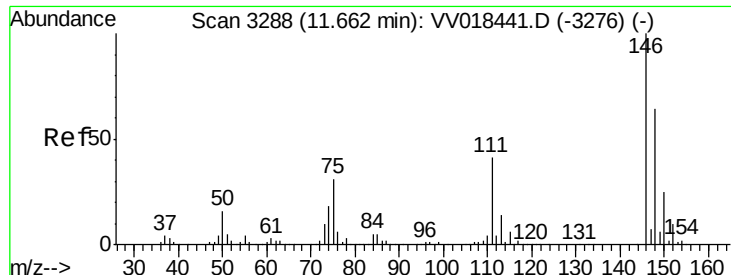


Abundance Ion 105.00 (104.70 to 105.70): V

Ion 120.00 (119.70 to 120.70): V

Ion 77.00 (76.70 to 77.70): VV0





#65

1,2-Dichlorobenzene

Concen: 0.729 ug/L

RT: 11.67 min Scan# 3289

Delta R.T. 0.00 min

Lab File: VV018445.D

Acq: 25 Sep 2020 11:01

Instrument :

MSVOA_V

ClientSampleId :

BG3W9MEDL

Tot Ion:146 Resp: 3997

Ion Ratio Lower Upper

146 100

111 66.7 32.8 49.2#

148 65.8 50.7 76.1

