

Data Path : Z:\VOASRV\HPCHEM1\MSVOA V\DATA\VV092520\
 Data File : VV018444.D
 Acq On : 25 Sep 2020 10:38
 Operator : SY/MD
 Sample : L4109-11
 Misc : 5.91g/5.0mL/100uL/5.0mL/MSVOA_V/MEOH
 ALS Vial : 5 Sample Multiplier: 1

Instrument :
 MSVOA_V
 ClientSampleId :
 BG3X1

Manual Integrations
 APPROVED

MMDadoda
 9/28/2020 5:00:17 PM

Quant Time: Sep 25 23:58:57 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	1572025	50.00	ug/L	0.00
28) Chlorobenzene-d5	8.87	117	1532228	50.00	ug/L	0.00
60) 1,4-Dichlorobenzene-d4	11.28	152	790047	50.00	ug/L	0.00

System Monitoring Compounds

4) Vinyl Chloride-d3	1.32	65	58456	4.56	ug/L	0.00
Spiked Amount	50.000	Range	60 - 135	Recovery	=	9.12%#
7) Chloroethane-d5	1.58	69	50785	4.84	ug/L	0.00
Spiked Amount	50.000	Range	70 - 130	Recovery	=	9.68%#
11) 1,1-Dichloroethene-d2	2.10	63	88540	3.77	ug/L	-0.02
Spiked Amount	50.000	Range	60 - 125	Recovery	=	7.54%#
21) 2-Butanone-d5	3.94	46	79103	10.09	ug/L	0.03
Spiked Amount	100.000	Range	40 - 130	Recovery	=	10.09%#
24) Chloroform-d	4.38	84	133494	6.01	ug/L	0.00
Spiked Amount	50.000	Range	70 - 125	Recovery	=	12.02%#
26) 1,2-Dichloroethane-d4	5.06	65	88596	6.22	ug/L	0.00
Spiked Amount	50.000	Range	70 - 125	Recovery	=	12.44%#
32) Benzene-d6	5.07	84	275547	6.28	ug/L	0.00
Spiked Amount	50.000	Range	70 - 125	Recovery	=	12.56%#
36) 1,2-Dichloropropane-d6	6.09	67	93100	6.68	ug/L	0.00
Spiked Amount	50.000	Range	70 - 120	Recovery	=	13.36%#
41) Toluene-d8	7.34	98	269337	6.74	ug/L	0.00
Spiked Amount	50.000	Range	80 - 120	Recovery	=	13.48%#
43) trans-1,3-Dichloropropene-	7.65	79	44419	6.27	ug/L	0.00
Spiked Amount	50.000	Range	60 - 125	Recovery	=	12.54%#
47) 2-Hexanone-d5	8.15	63	82724m	15.67	ug/L	0.04
Spiked Amount	100.000	Range	45 - 130	Recovery	=	15.67%#
57) 1,1,2,2-Tetrachloroethane-	10.25	84	138233	7.90	ug/L	0.02
Spiked Amount	50.000	Range	65 - 120	Recovery	=	15.80%#
64) 1,2-Dichlorobenzene-d4	11.65	152	121175	7.47	ug/L	0.00
Spiked Amount	50.000	Range	80 - 120	Recovery	=	14.94%#

Target Compounds

					Ovalue
29) Cyclohexane	4.70	56	40733	2.302	ug/L 99
30) 1,1,1-Trichloroethane	4.63	97	62018	3.488	ug/L 99
42) Toluene	7.41	91	1222250	26.364	ug/L 99
52) Ethylbenzene	9.04	91	532931	10.529	ug/L 98
53) m,p-Xylene	9.16	106	909070	48.119	ug/L 94
54) o-xylene	9.57	106	374622	20.583	ug/L 100
56) Isopropylbenzene	9.95	105	514803	10.495	ug/L 99
65) 1,2-Dichlorobenzene	11.67	146	35015	1.475	ug/L # 85
68) 1,2,4-trichlorobenzene	13.29	180	26919	1.632	ug/L # 65

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

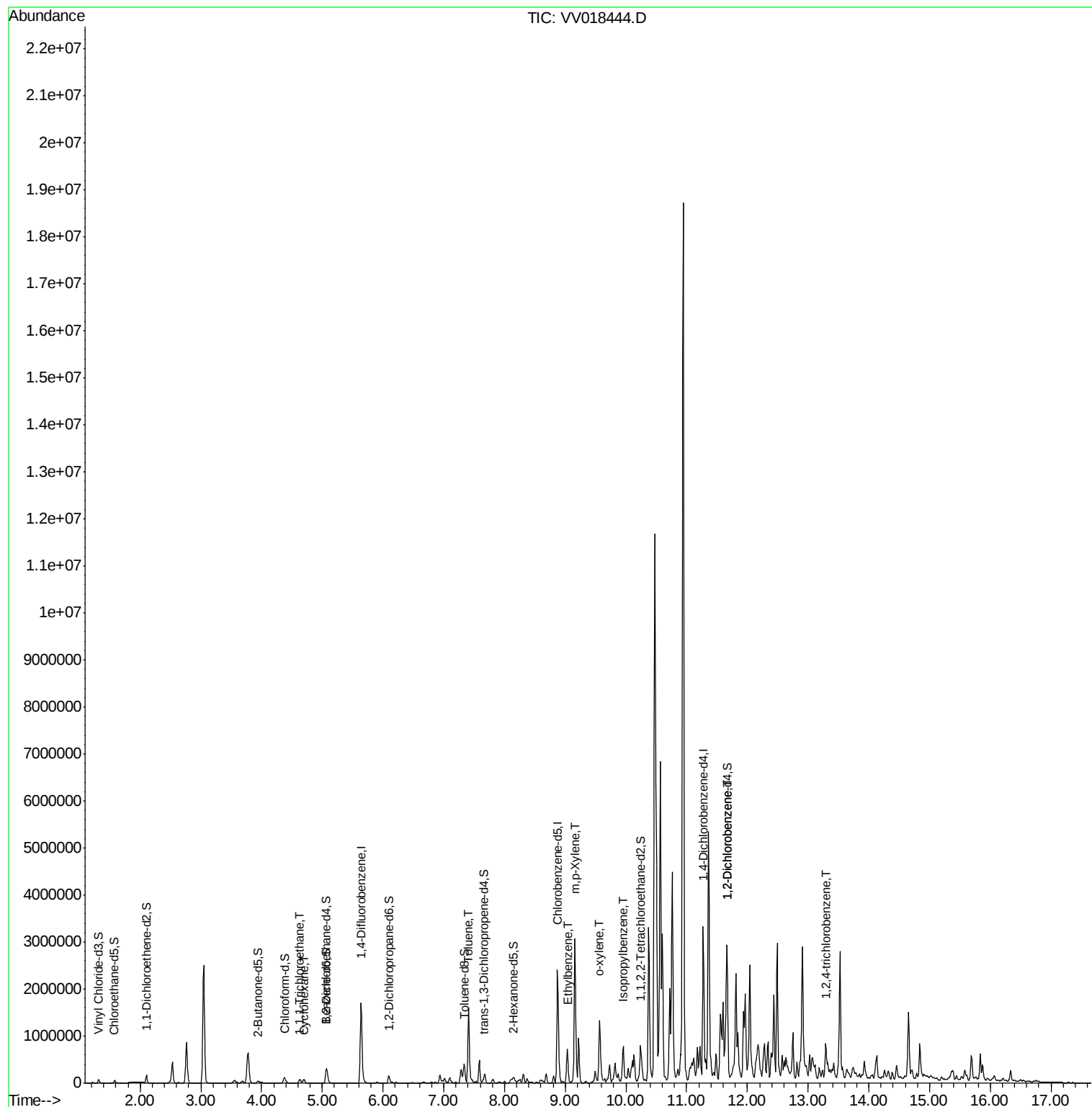
Data Path : Z:\V0ASRV\HPCHEM1\MSVOA V\DATA\VV092520\
Data File : VV018444.D
Acq On : 25 Sep 2020 10:38
Operator : SY/MD
Sample : L4109-11
Misc : 5.91g/5.0mL/100uL/5.0mL/MSVOA_V/MEOH
ALS Vial : 5 Sample Multiplier: 1

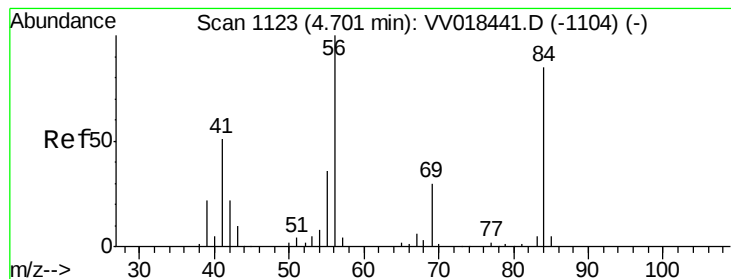
Instrument :
MSVOA_V
ClientSampleId :
BG3X1

Manual Integrations
APPROVED

MMDadoda
9/28/2020 5:00:17 PM

Quant Time: Sep 25 23:58:57 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: 2.302 ug/L

RT: 4.70 min Scan# 1122

Delta R.T. -0.00 min

Lab File: VV018444.D

Acq: 25 Sep 2020 10:38

Instrument :

MSVOA_V

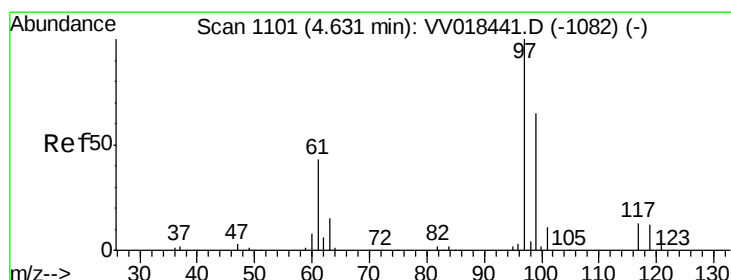
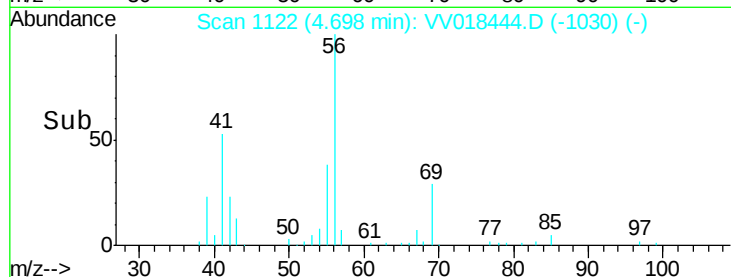
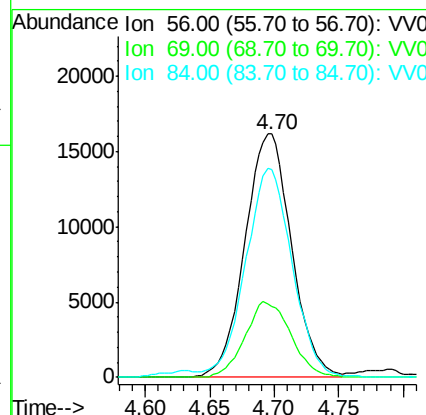
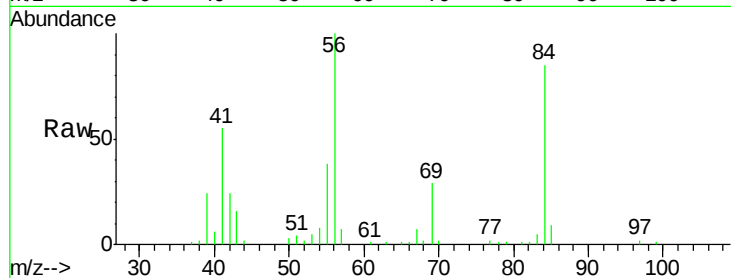
ClientSampleId :

BG3X1

Tot Ion:	56	Resp:	40733
Ion	Ratio	Lower	Upper
56	100		
69	30.5	24.2	36.2
84	86.1	68.3	102.5

Manual Integrations
APPROVED

MMDadoda
9/28/2020 5:00:17 PM



#30

1,1,1-Trichloroethane

Concen: 3.488 ug/L

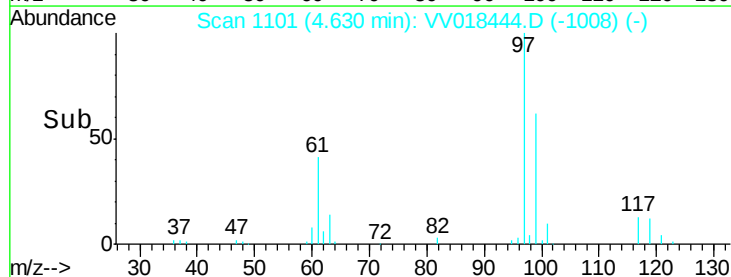
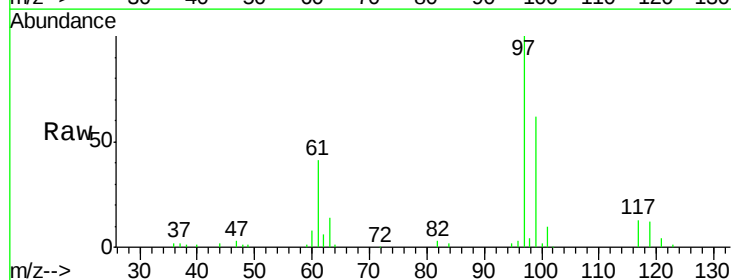
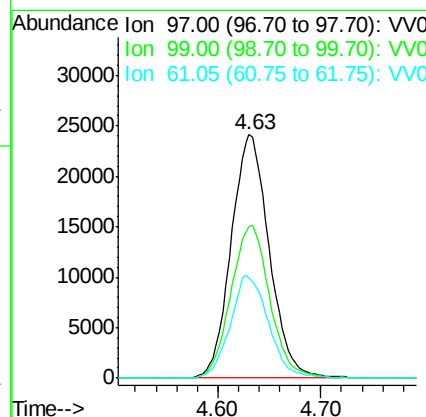
RT: 4.63 min Scan# 1101

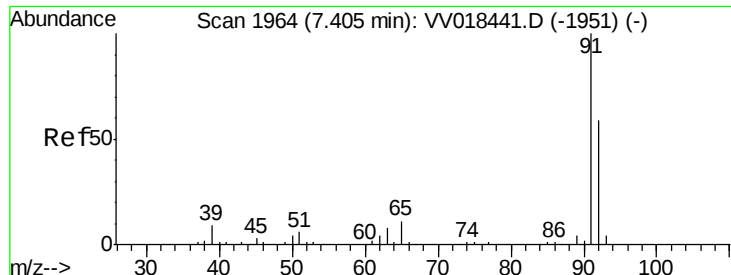
Delta R.T. -0.00 min

Lab File: VV018444.D

Acq: 25 Sep 2020 10:38

Tgt Ion:	97	Resp:	62018
Ion	Ratio	Lower	Upper
97	100		
99	63.8	51.6	77.4
61	42.2	34.9	52.3





#42

Toluene

Concen: 26.364 ug/L

RT: 7.41 min Scan# 1965

Delta R.T. 0.00 min

Lab File: VV018444.D

Acq: 25 Sep 2020 10:38

Instrument :

MSVOA_V

ClientSampleId :

BG3X1

Tot Ion: 91 Resp: 1222250

Ion Ratio Lower Upper

91 100

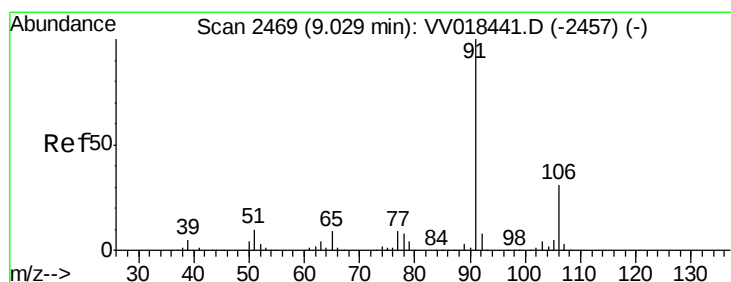
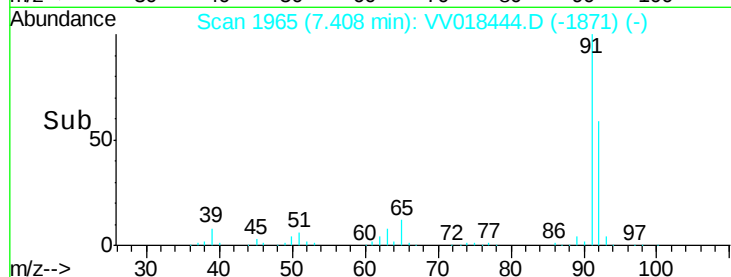
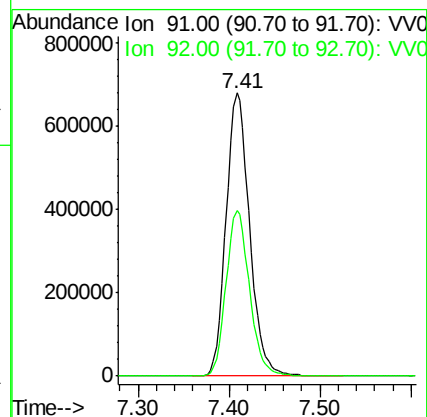
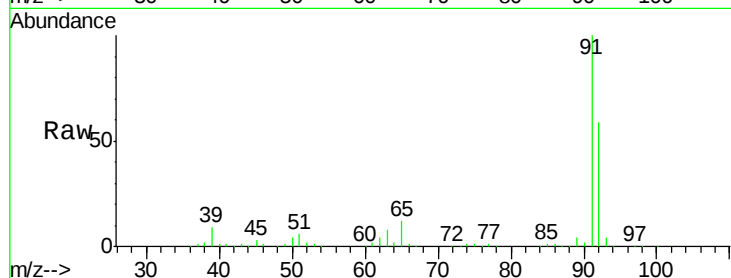
92 58.6 40.7 75.5

Manual Integrations

APPROVED

MMDadoda

9/28/2020 5:00:17 PM



#52

Ethylbenzene

Concen: 10.529 ug/L

RT: 9.04 min Scan# 2471

Delta R.T. 0.01 min

Lab File: VV018444.D

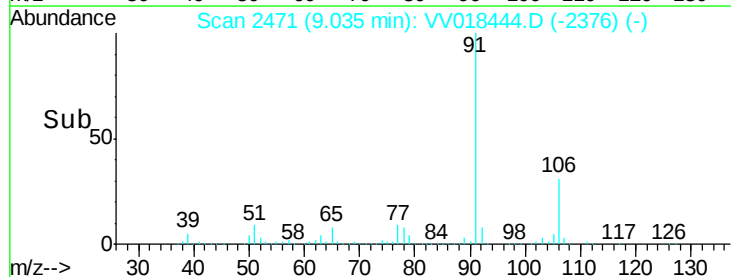
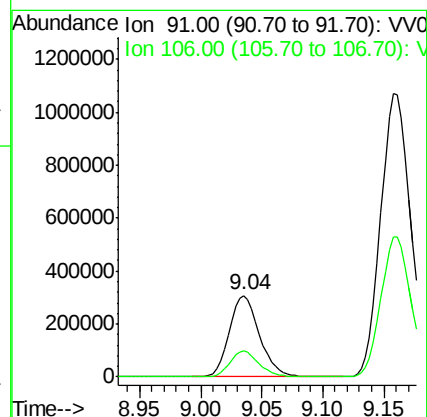
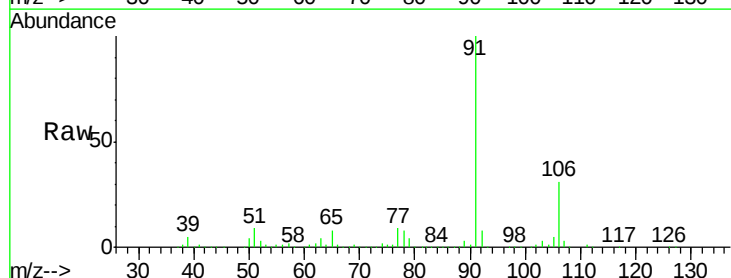
Acq: 25 Sep 2020 10:38

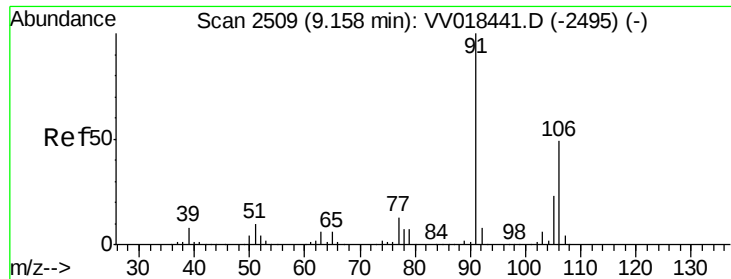
Tgt Ion: 91 Resp: 532931

Ion Ratio Lower Upper

91 100

106 31.4 21.3 39.5





#53

m,p-Xylene

Concen: 48.119 ug/L

RT: 9.16 min Scan# 2510

Delta R.T. 0.00 min

Lab File: VV018444.D

Acq: 25 Sep 2020 10:38

Instrument :

MSVOA_V

ClientSampleId :

BG3X1

Tot Ion:106 Resp: 909070

Ion Ratio Lower Upper

106 100

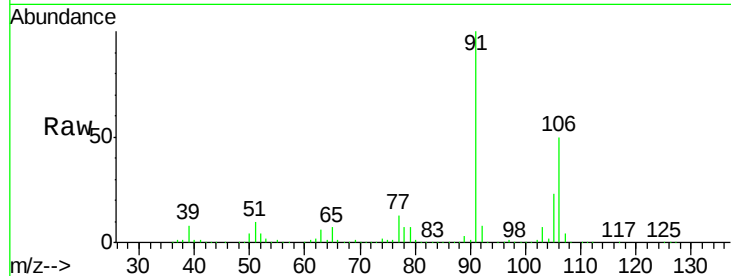
91 200.9 146.7 272.5

Manual Integrations

APPROVED

MMDadoda

9/28/2020 5:00:17 PM



Abundance Ion 106.00 (105.70 to 106.70): V

Ion 91.00 (90.70 to 91.70): VV0

1200000

1000000

800000

600000

400000

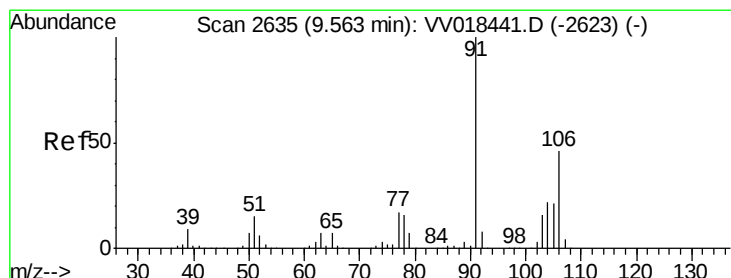
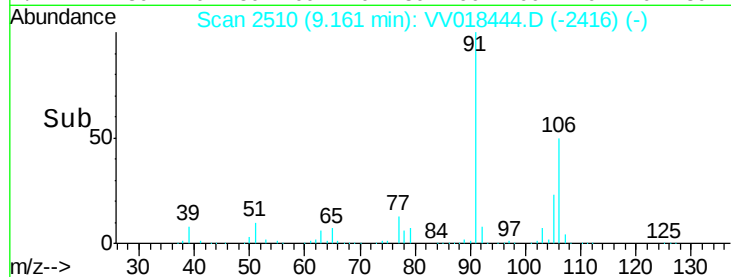
200000

0

9.10

9.20

Time-->



#54

o-xylene

Concen: 20.583 ug/L

RT: 9.57 min Scan# 2636

Delta R.T. 0.00 min

Lab File: VV018444.D

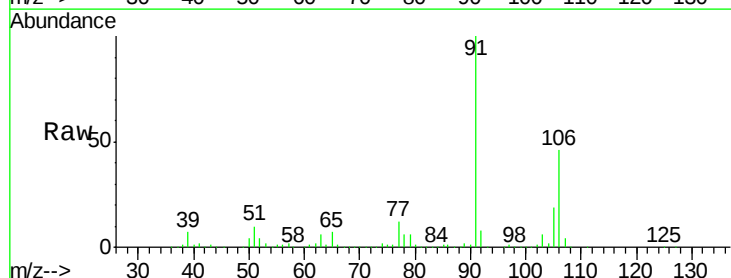
Acq: 25 Sep 2020 10:38

Tgt Ion:106 Resp: 374622

Ion Ratio Lower Upper

106 100

91 217.0 152.2 282.6



Abundance Ion 106.00 (105.70 to 106.70): V

Ion 91.00 (90.70 to 91.70): VV0

500000

400000

300000

200000

100000

0

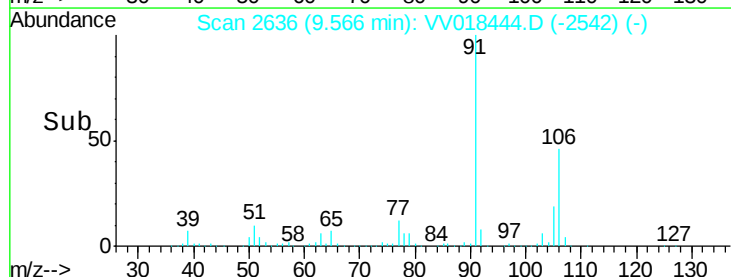
9.50

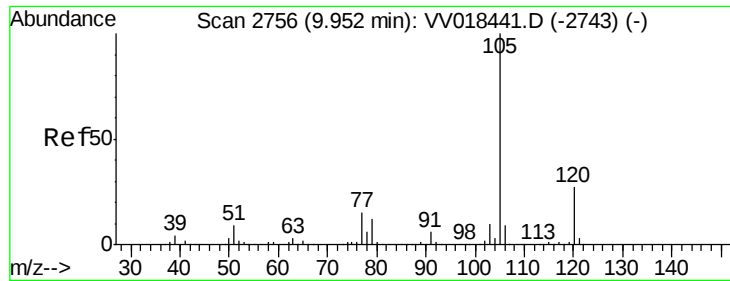
9.55

9.60

9.65

Time-->





#56

Isopropylbenzene

Concen: 10.495 ug/L

RT: 9.95 min Scan# 2757

Delta R.T. 0.00 min

Lab File: VV018444.D

Acq: 25 Sep 2020 10:38

Instrument :

MSVOA_V

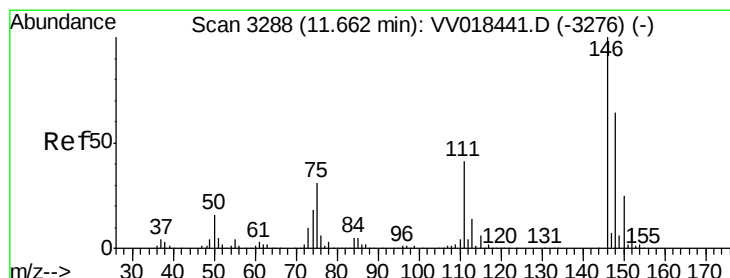
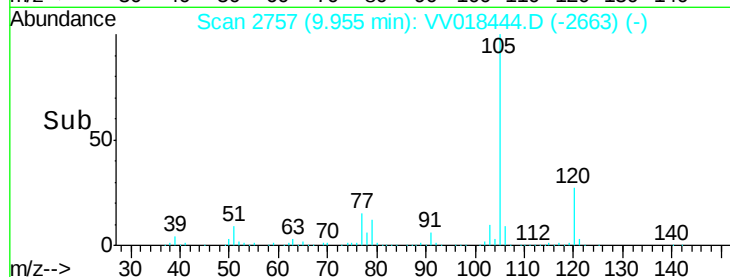
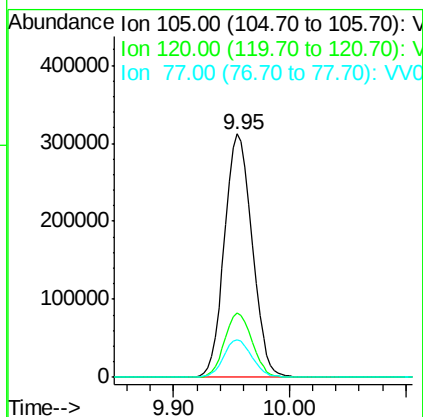
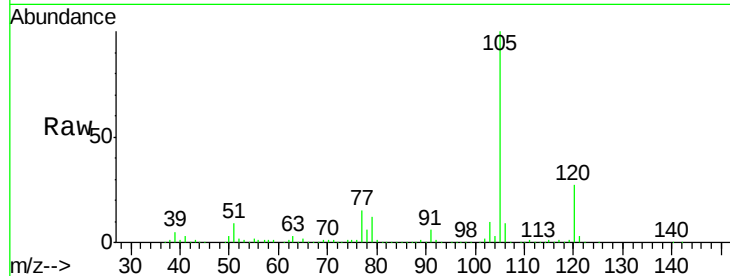
ClientSampleId :

BG3X1

Tot Ion:	105	Resp:	514803
Ion Ratio	Lower	Upper	
105	100		
120	26.4	20.9	31.3
77	15.8	12.5	18.7

Manual Integrations
APPROVED

MMDadoda
9/28/2020 5:00:17 PM



#65

1,2-Dichlorobenzene

Concen: 1.475 ug/L

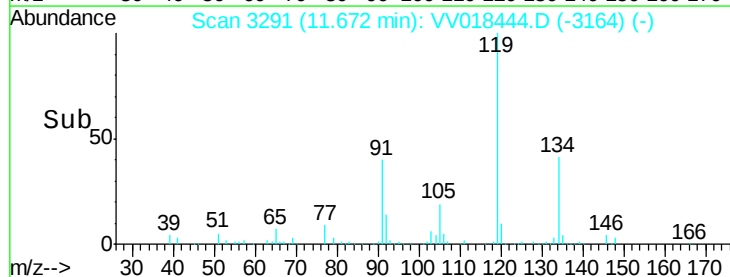
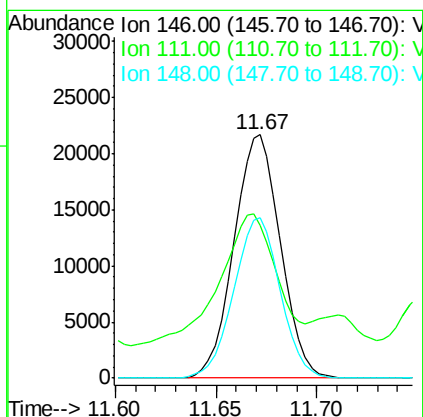
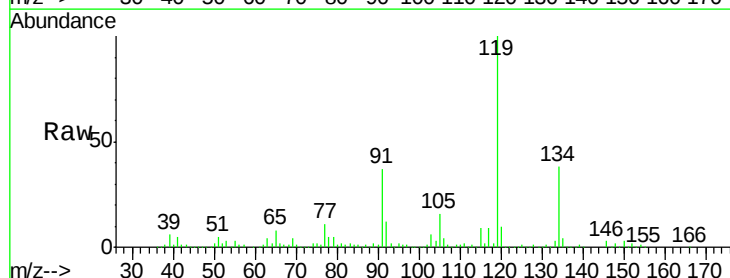
RT: 11.67 min Scan# 3291

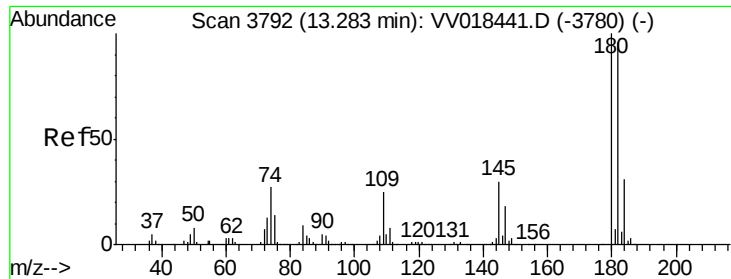
Delta R.T. 0.01 min

Lab File: VV018444.D

Acq: 25 Sep 2020 10:38

Tgt Ion:	146	Resp:	35015
Ion Ratio	Lower	Upper	
146	100		
111	62.8	32.8	49.2#
148	65.7	50.7	76.1





#68
 1,2,4-trichlorobenzene
 Concen: 1.632 ug/L
 RT: 13.29 min Scan# 3793
 Delta R.T. 0.00 min
 Lab File: VV018444.D
 Acq: 25 Sep 2020 10:38

Instrument :
 MSVOA_V
 ClientSampleId :
 BG3X1

Tot Ion	Ratio	Lower	Upper
180	100		
182	99.7	77.4	116.2
145	104.3	23.2	34.8#

Manual Integrations
 APPROVED

MMDadoda
 9/28/2020 5:00:17 PM

