

Data Path : Z:\VOASRV\HPCHEM1\MSVOA V\DATA\VV061520\
 Data File : VV016929.D
 Acq On : 15 Jun 2020 12:07
 Operator : SY/MD
 Sample : L2914-03 25X
 Misc : 5.0mL/MSVOA V/WATER
 ALS Vial : 6 Sample Multiplier: 1

Instrument :
 MSVOA_V
 ClientSampleId :
 F9D96

Manual Integrations
 APPROVED

sam
 6/16/2020 2:22:12 PM

Quant Time: Jun 16 14:55:20 2020
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_V\METHOD\SOMVLM060820WMA.M
 Quant Title : VOC Analysis
 QLast Update : Tue Jun 16 05:46:50 2020
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Difluorobenzene	5.64	114	390398	50.00	ug/L	0.00
28) Chlorobenzene-d5	8.87	117	365009	50.00	ug/L	0.00
60) 1,4-Dichlorobenzene-d4	11.27	152	175248	50.00	ug/L	0.00

System Monitoring Compounds

4) Vinyl Chloride-d3	1.32	65	107985	39.20	ug/L	0.00
Spiked Amount	50.000	Range	60 - 135	Recovery	=	78.40%
7) Chloroethane-d5	1.57	69	67303	40.72	ug/L	0.00
Spiked Amount	50.000	Range	70 - 130	Recovery	=	81.44%
11) 1,1-Dichloroethene-d2	2.12	63	154458m	33.39	ug/L	0.00
Spiked Amount	50.000	Range	60 - 125	Recovery	=	66.78%
21) 2-Butanone-d5	3.90	46	174525	85.60	ug/L	0.00
Spiked Amount	100.000	Range	40 - 130	Recovery	=	85.60%
24) Chloroform-d	4.37	84	244643	43.68	ug/L	0.00
Spiked Amount	50.000	Range	70 - 125	Recovery	=	87.36%
26) 1,2-Dichloroethane-d4	5.05	65	175746	46.13	ug/L	0.00
Spiked Amount	50.000	Range	70 - 125	Recovery	=	92.26%
32) Benzene-d6	5.07	84	479124	45.54	ug/L	0.00
Spiked Amount	50.000	Range	70 - 125	Recovery	=	91.08%
36) 1,2-Dichloropropane-d6	6.09	67	147144	44.86	ug/L	0.00
Spiked Amount	50.000	Range	70 - 120	Recovery	=	89.72%
41) Toluene-d8	7.34	98	441493	45.73	ug/L	0.00
Spiked Amount	50.000	Range	80 - 120	Recovery	=	91.46%
43) trans-1,3-Dichloropropene-	7.64	79	74975	43.89	ug/L	0.00
Spiked Amount	50.000	Range	60 - 125	Recovery	=	87.78%
47) 2-Hexanone-d5	8.11	63	102817	71.90	ug/L	0.00
Spiked Amount	100.000	Range	45 - 130	Recovery	=	71.90%
57) 1,1,2,2-Tetrachloroethane-	10.24	84	179320	41.30	ug/L	0.00
Spiked Amount	50.000	Range	65 - 120	Recovery	=	82.60%
64) 1,2-Dichlorobenzene-d4	11.65	152	182226	48.72	ug/L	0.00
Spiked Amount	50.000	Range	80 - 120	Recovery	=	97.44%

Target Compounds

					Ovalue
29) Cyclohexane	4.71	56	6732	1.484	ug/L 96
33) Benzene	5.12	78	3177819	294.254	ug/L 100
42) Toluene	7.41	91	266719	23.428	ug/L 99
52) Ethylbenzene	9.03	91	279512	22.166	ug/L 100
53) m,p-Xylene	9.16	106	20691	4.407	ug/L 97
54) o-xylene	9.57	106	28529	6.161	ug/L 95

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

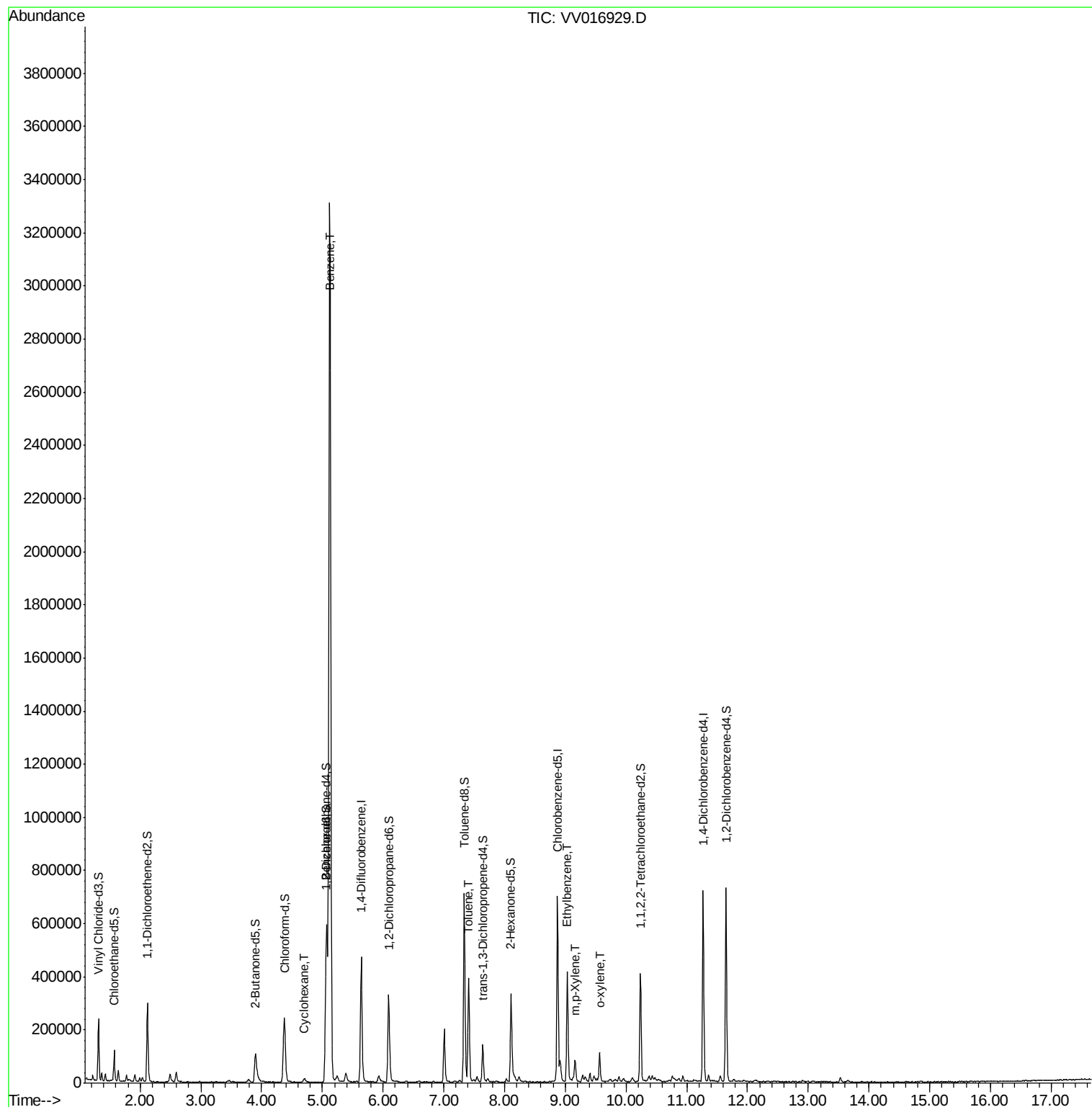
Data Path : Z:\V0ASRV\HPCHEM1\MSVOA V\DATA\VV061520\
Data File : VV016929.D
Acq On : 15 Jun 2020 12:07
Operator : SY/MD
Sample : L2914-03 25X
Misc : 5.0mL/MSVOA V/WATER
ALS Vial : 6 Sample Multiplier: 1

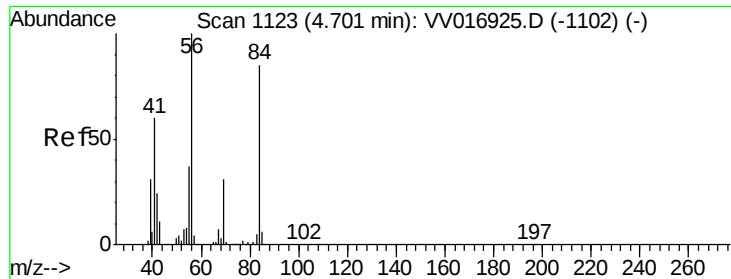
Instrument :
MSVOA_V
ClientSampleId :
F9D96

Manual Integrations
APPROVED

sam
6/16/2020 2:22:12 PM

Quant Time: Jun 16 14:55:20 2020
Quant Method : Z:\V0ASRV\HPCHEM1\MSVOA_V\METHOD\SOMVLM060820WMA.M
Quant Title : VOC Analysis
QLast Update : Tue Jun 16 05:46:50 2020
Response via : Initial Calibration





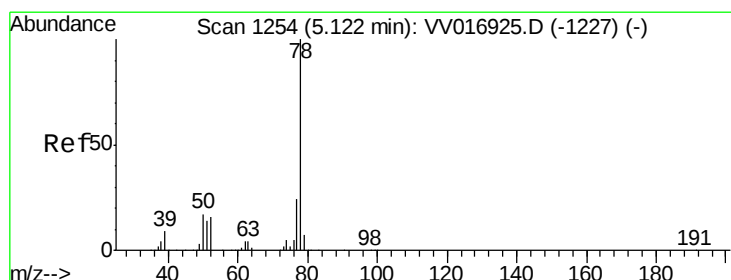
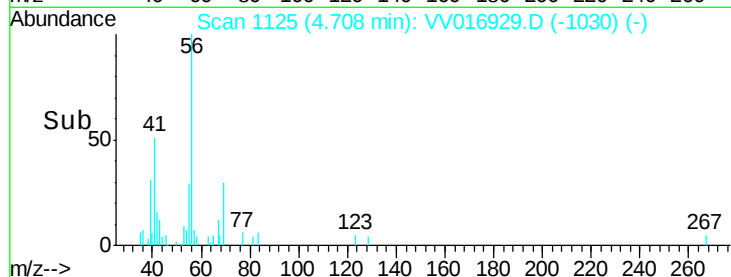
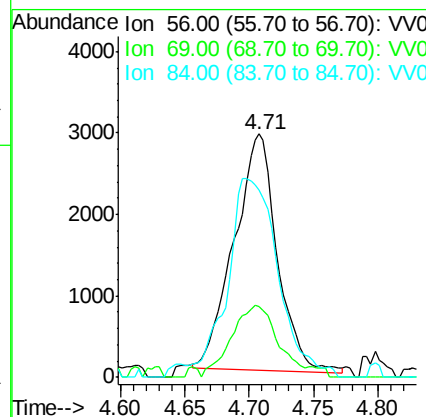
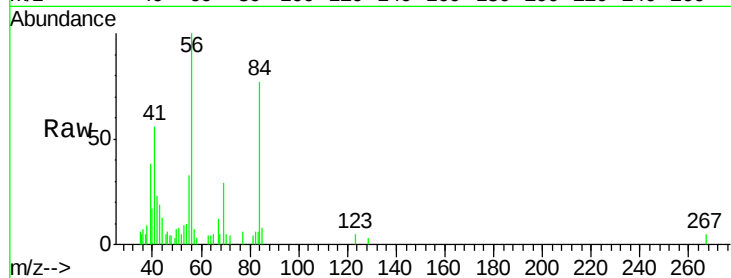
#29
Cyclohexane
Concen: 1.484 ug/L
RT: 4.71 min Scan# 1125
Delta R.T. 0.01 min
Lab File: VV016929.D
Acq: 15 Jun 2020 12:07

Instrument :
MSVOA_V
ClientSampleId :
F9D96

Tot Ion	Ratio	Lower	Upper
56	100		
69	32.7	25.0	37.4
84	91.1	69.5	104.3

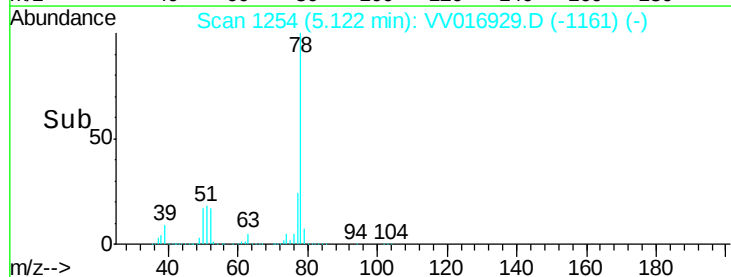
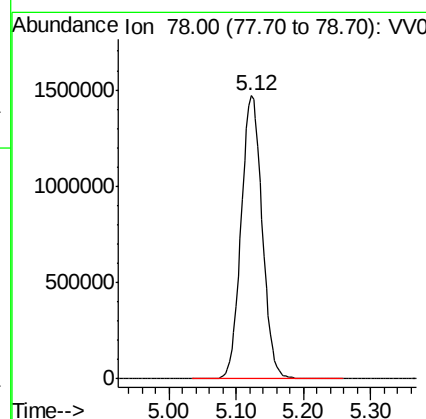
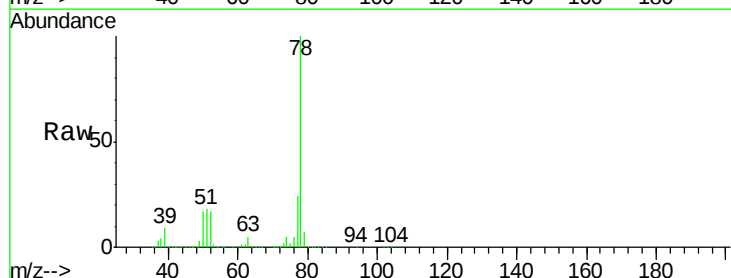
Manual Integrations
APPROVED

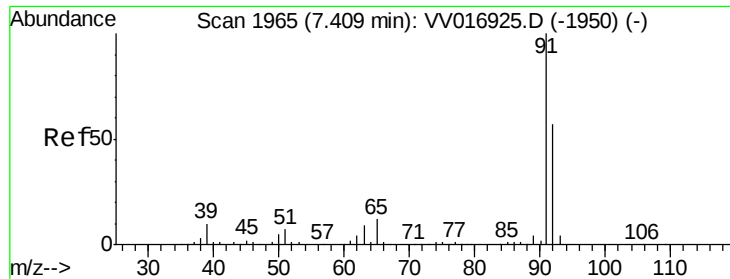
sam
6/16/2020 2:22:12 PM



#33
Benzene
Concen: 294.254 ug/L
RT: 5.12 min Scan# 1254
Delta R.T. 0.00 min
Lab File: VV016929.D
Acq: 15 Jun 2020 12:07

Tgt Ion: 78 Resp: 3177819





#42

Toluene

Concen: 23.428 ug/L

RT: 7.41 min Scan# 1965

Delta R.T. 0.00 min

Lab File: VV016929.D

Acq: 15 Jun 2020 12:07

Instrument :

MSVOA_V

ClientSampleId :

F9D96

Tot Ion: 91 Resp: 266719

Ion Ratio Lower Upper

91 100

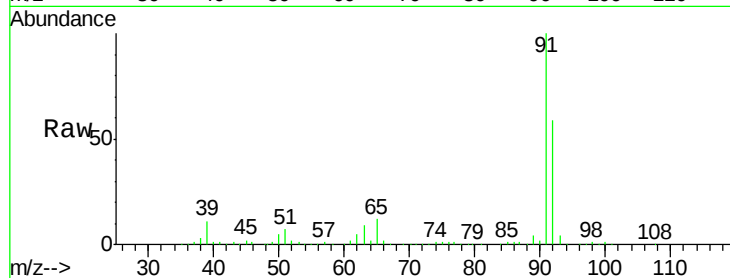
92 58.6 40.4 75.0

Manual Integrations

APPROVED

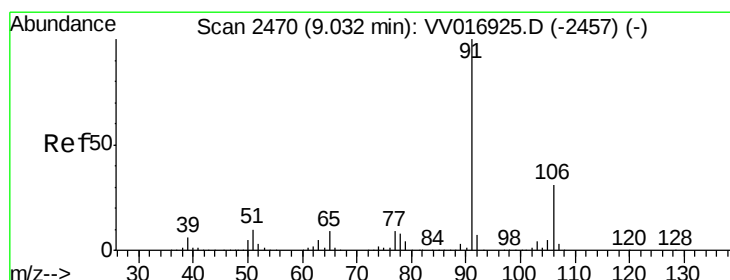
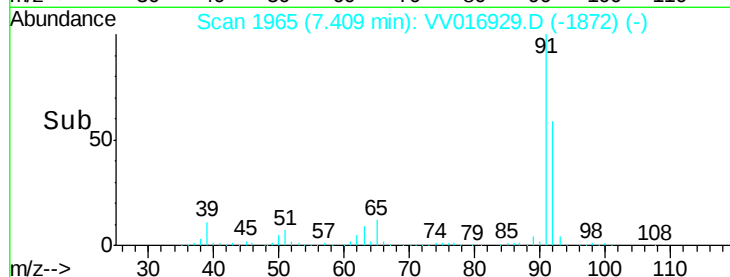
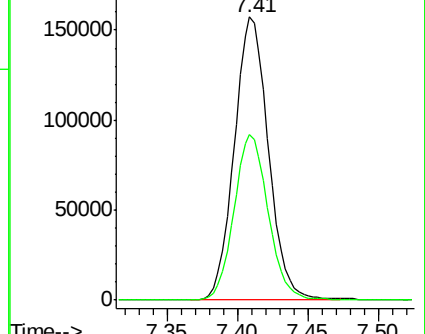
sam

6/16/2020 2:22:12 PM



Abundance Ion 91.00 (90.70 to 91.70): VV0

Ion 92.00 (91.70 to 92.70): VV0



#52

Ethylbenzene

Concen: 22.166 ug/L

RT: 9.03 min Scan# 2470

Delta R.T. 0.00 min

Lab File: VV016929.D

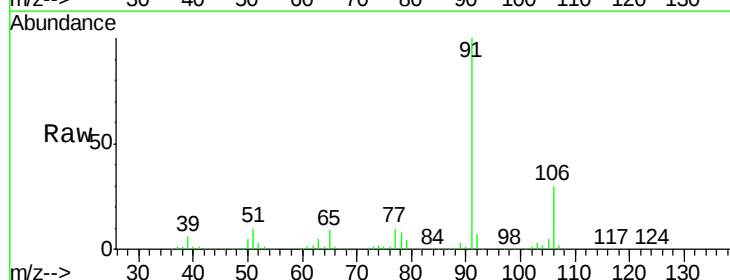
Acq: 15 Jun 2020 12:07

Tgt Ion: 91 Resp: 279512

Ion Ratio Lower Upper

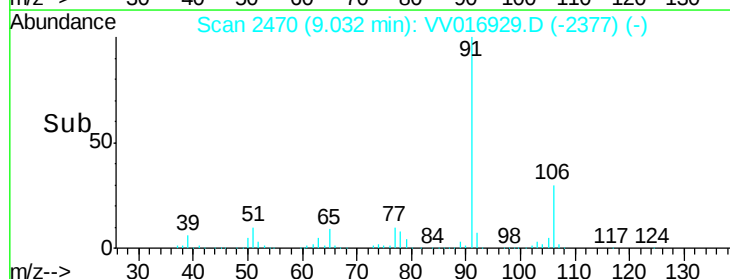
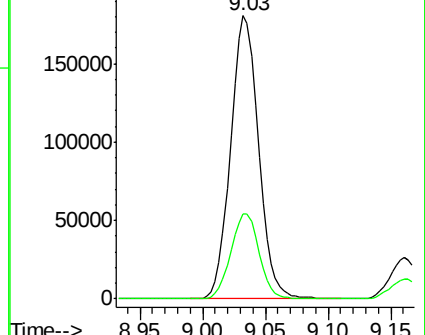
91 100

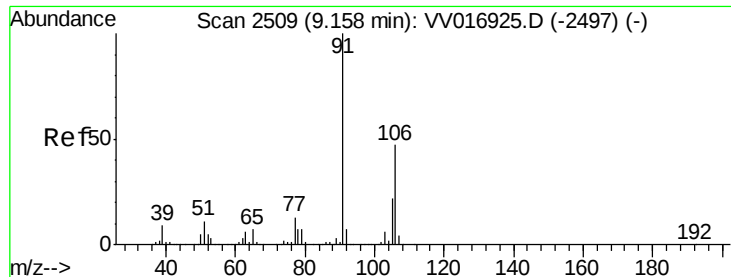
106 30.0 21.1 39.1



Abundance Ion 91.00 (90.70 to 91.70): VV0

Ion 106.00 (105.70 to 106.70): V





#53

m,p-Xylene

Concen: 4.407 ug/L

RT: 9.16 min Scan# 2510

Delta R.T. 0.00 min

Lab File: VV016929.D

Acq: 15 Jun 2020 12:07

Instrument :

MSVOA_V

ClientSampleId :

F9D96

Tot Ion:106 Resp: 20691

Ion Ratio Lower Upper

106 100

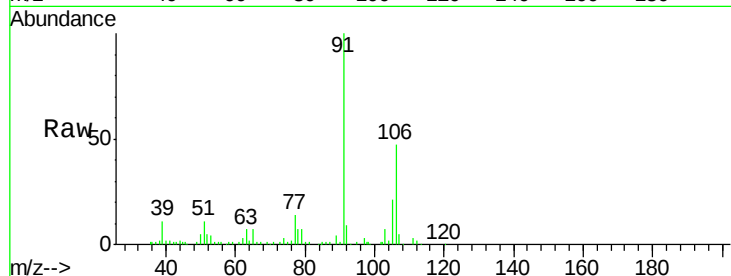
91 210.6 144.6 268.6

Manual Integrations

APPROVED

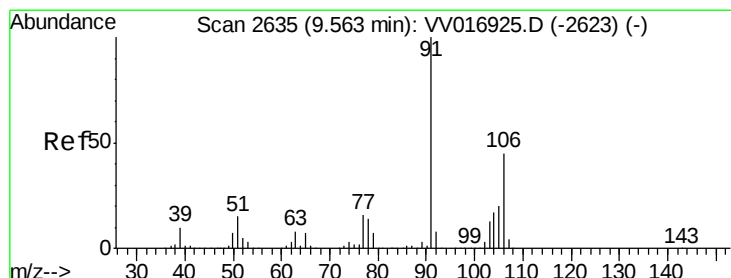
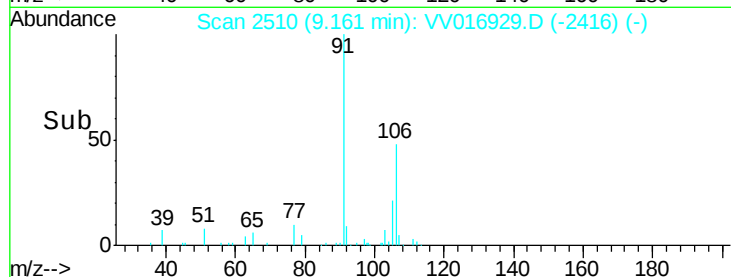
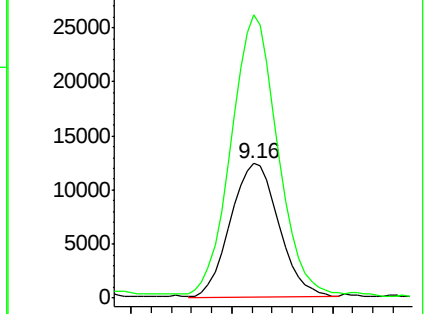
sam

6/16/2020 2:22:12 PM



Abundance Ion 106.00 (105.70 to 106.70): V

Ion 91.00 (90.70 to 91.70): VV0



#54

o-xylene

Concen: 6.161 ug/L

RT: 9.57 min Scan# 2636

Delta R.T. 0.00 min

Lab File: VV016929.D

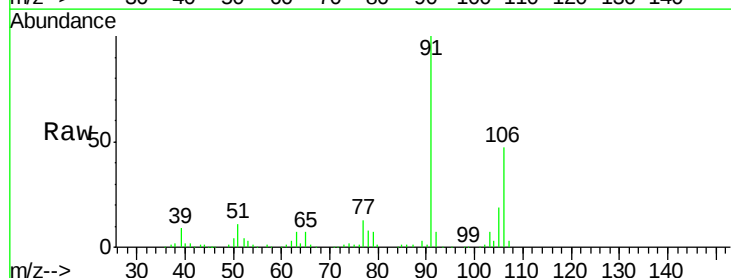
Acq: 15 Jun 2020 12:07

Tgt Ion:106 Resp: 28529

Ion Ratio Lower Upper

106 100

91 215.0 155.9 289.5



Abundance Ion 106.00 (105.70 to 106.70): V

Ion 91.00 (90.70 to 91.70): VV0

