

Data Path : Z:\VOASRV\HPCHEM1\MSVOA V\DATA\VV112019\
 Data File : VV013688.D
 Acq On : 20 Nov 2019 15:10
 Operator : SY/MD
 Sample : K5910-21DL 100X
 Misc : 25.0mL/MSVOA V/WATER
 ALS Vial : 6 Sample Multiplier: 1

Instrument :
 MSVOA_V
 ClientSampleId :
 GAQK4DL

Quant Time: Nov 21 01:25:18 2019
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_V\METHOD\SOMVTR111519WMA.M
 Quant Title : TRACE VOA SOM01.0
 QLast Update : Thu Nov 21 00:51:34 2019
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Difluorobenzene	5.66	114	342217	5.00	ug/L	0.00
28) Chlorobenzene-d5	8.89	117	318667	5.00	ug/L	0.00
60) 1,4-Dichlorobenzene-d4	11.29	152	169719	5.00	ug/L	0.00

System Monitoring Compounds

4) Vinyl Chloride-d3	1.32	65	97055	4.59	ug/L	0.00
Spiked Amount	5.000	Range	40 - 130	Recovery	=	91.80%
7) Chloroethane-d5	1.58	69	95343	5.05	ug/L	0.00
Spiked Amount	5.000	Range	65 - 130	Recovery	=	101.00%
11) 1,1-Dichloroethene-d2	2.13	63	137431	3.63	ug/L	0.00
Spiked Amount	5.000	Range	60 - 125	Recovery	=	72.60%
20) 2-Butanone-d5	3.96	46	303575	62.10	ug/L	0.00
Spiked Amount	50.000	Range	40 - 130	Recovery	=	124.20%
24) Chloroform-d	4.40	84	240502	5.15	ug/L	0.00
Spiked Amount	5.000	Range	70 - 125	Recovery	=	103.00%
26) 1,2-Dichloroethane-d4	5.08	65	124671	5.55	ug/L	0.00
Spiked Amount	5.000	Range	70 - 130	Recovery	=	111.00%
32) Benzene-d6	5.10	84	474082	5.34	ug/L	0.00
Spiked Amount	5.000	Range	70 - 125	Recovery	=	106.80%
36) 1,2-Dichloropropane-d6	6.12	67	149004	5.68	ug/L	0.00
Spiked Amount	5.000	Range	60 - 140	Recovery	=	113.60%
41) Toluene-d8	7.36	98	404500	4.90	ug/L	0.00
Spiked Amount	5.000	Range	70 - 130	Recovery	=	98.00%
43) trans-1,3-Dichloropropene-	7.66	79	52726	5.22	ug/L	0.00
Spiked Amount	5.000	Range	55 - 130	Recovery	=	104.40%
46) 2-Hexanone-d5	8.14	63	220896	57.78	ug/L	0.00
Spiked Amount	50.000	Range	45 - 130	Recovery	=	115.56%
57) 1,1,2,2-Tetrachloroethane-	10.26	84	105702	5.57	ug/L	0.00
Spiked Amount	5.000	Range	65 - 120	Recovery	=	111.40%
64) 1,2-Dichlorobenzene-d4	11.67	152	184646	5.65	ug/L	0.00
Spiked Amount	5.000	Range	80 - 120	Recovery	=	113.00%

Target Compounds

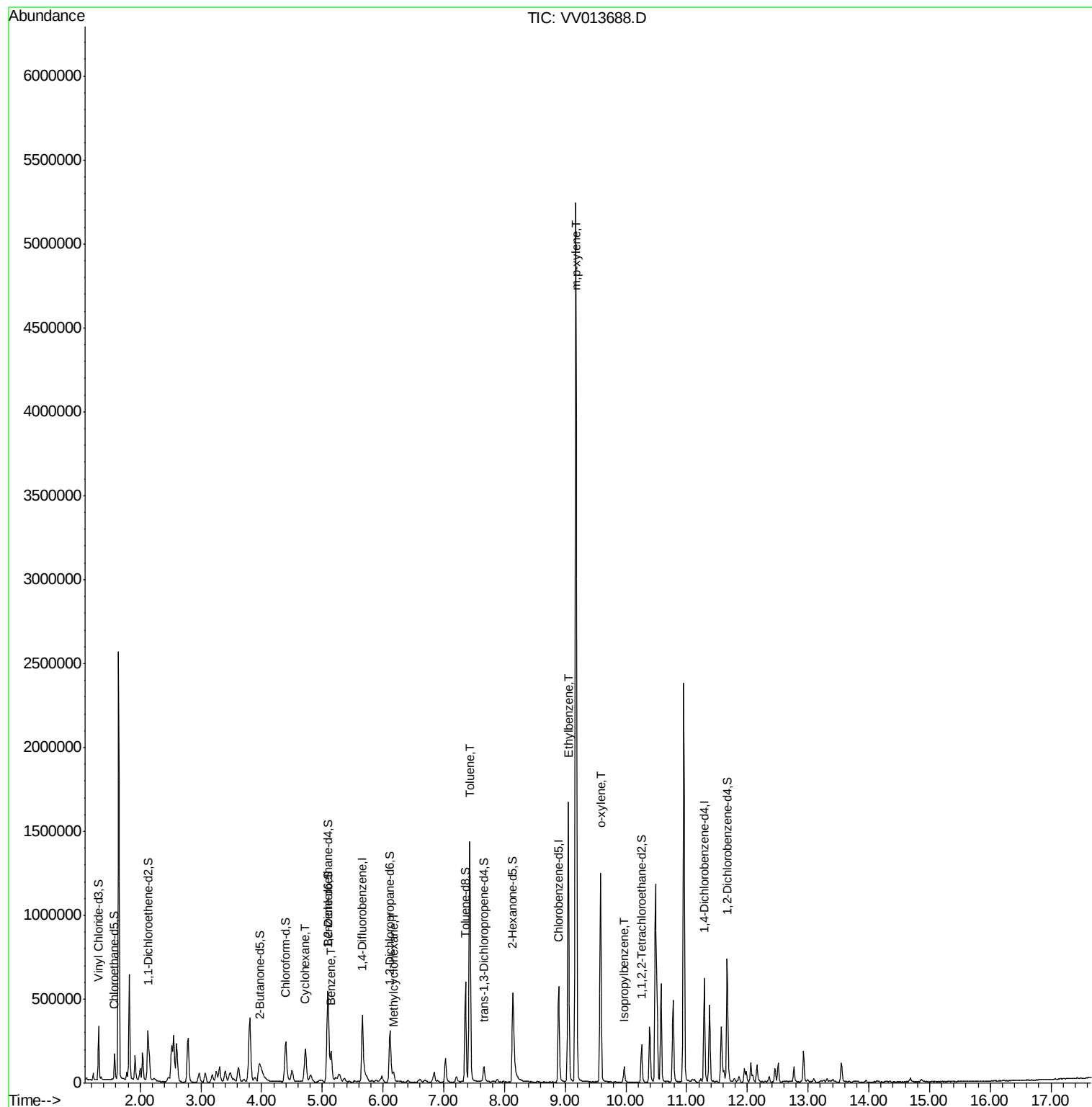
					Ovalue
30) Cyclohexane	4.72	56	100260	2.616	ug/L 98
33) Benzene	5.14	78	183648	1.904	ug/L 100
35) Methylcyclohexane	6.17	83	19423	0.493	ug/L # 82
42) Toluene	7.43	91	1041483	10.106	ug/L 99
52) Ethylbenzene	9.05	91	1111863	10.122	ug/L 100
53) m,p-xylene	9.18	106	1467545	35.424	ug/L 99
54) o-xylene	9.58	106	327482	8.219	ug/L 98
56) Isopropylbenzene	9.97	105	55766	0.526	ug/L 98

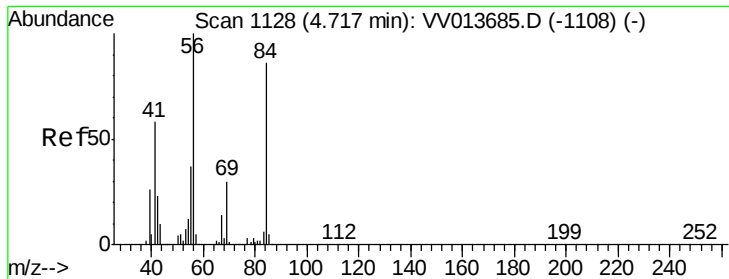
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Data Path : Z:\VOASRV\HPCHEM1\MSVOA V\DATA\VV112019\
Data File : VV013688.D
Acq On : 20 Nov 2019 15:10
Operator : SY/MD
Sample : K5910-21DL 100X
Misc : 25.0mL/MSVOA V/WATER
ALS Vial : 6 Sample Multiplier: 1

Instrument :
MSVOA_V
ClientSampleId :
GAQK4DL

Quant Time: Nov 21 01:25:18 2019
Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_V\METHOD\SOMVTR111519WMA.M
Quant Title : TRACE VOA SOM01.0
QLast Update : Thu Nov 21 00:51:34 2019
Response via : Initial Calibration

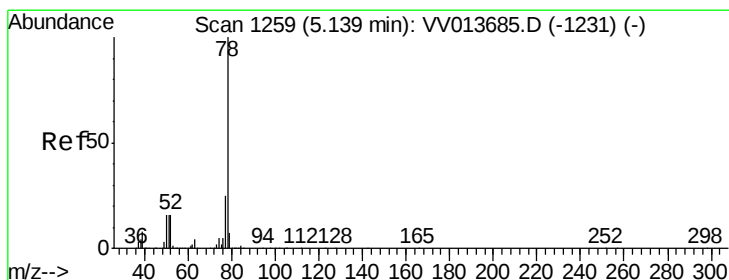
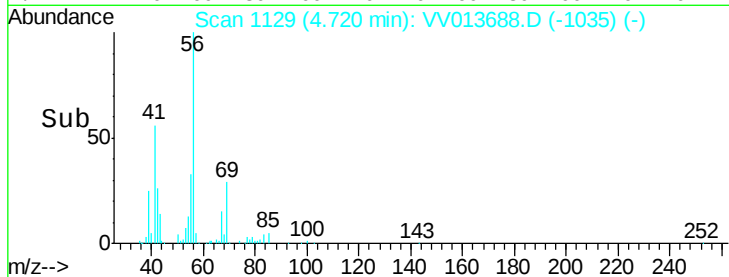
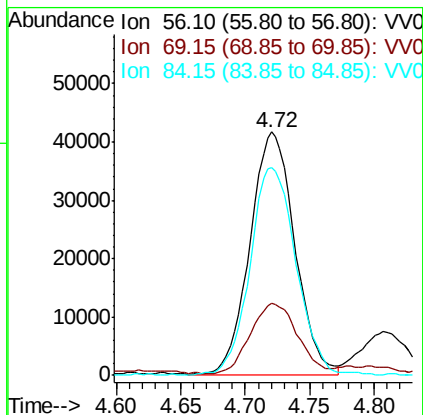
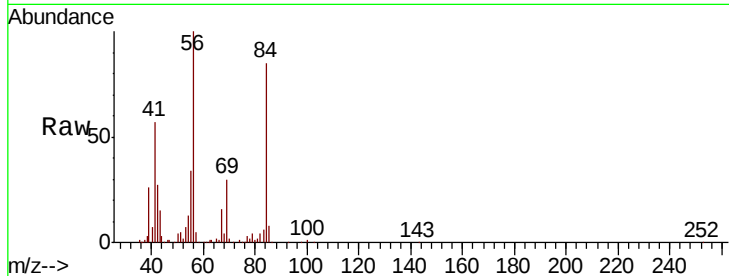




#30
Cyclohexane
Concen: 2.616 ug/L
RT: 4.72 min Scan# 1129
Delta R.T. 0.00 min
Lab File: VV013688.D
Acq: 20 Nov 2019 15:10

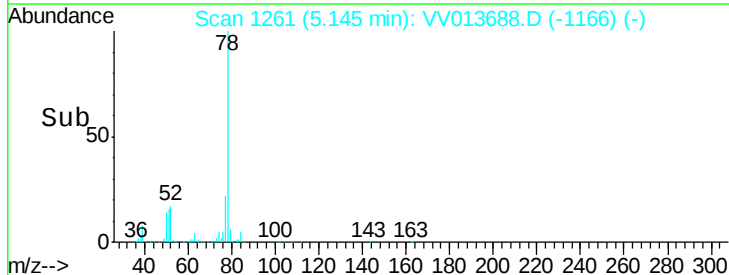
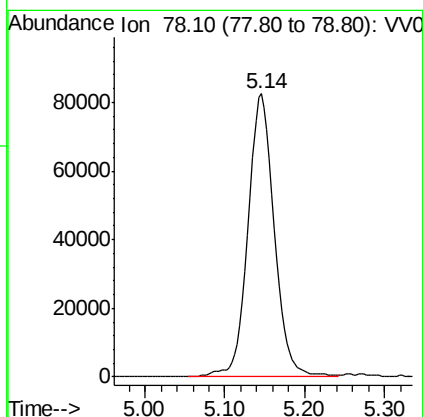
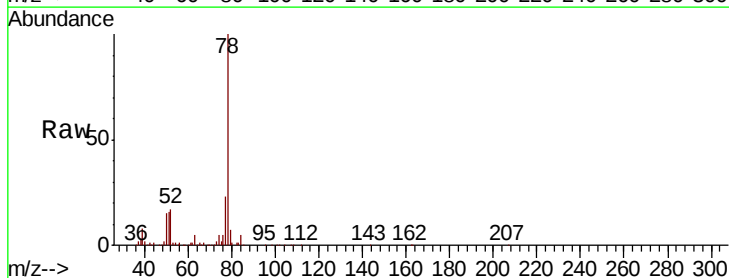
Instrument :
MSVOA_V
ClientSampled :
GAQK4DL

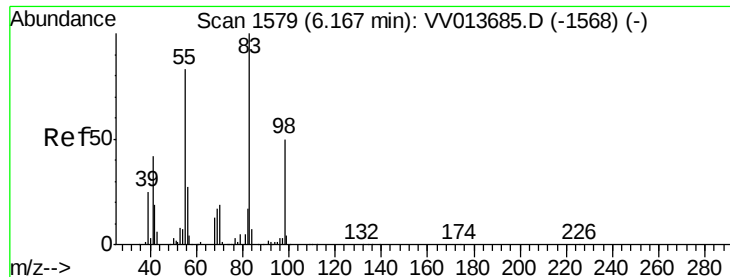
Tot Ion: 56 Resp: 100260
Ion Ratio Lower Upper
56 100
69 30.7 23.8 35.8
84 88.8 69.1 103.7



#33
Benzene
Concen: 1.904 ug/L
RT: 5.14 min Scan# 1261
Delta R.T. 0.01 min
Lab File: VV013688.D
Acq: 20 Nov 2019 15:10

Tgt Ion: 78 Resp: 183648

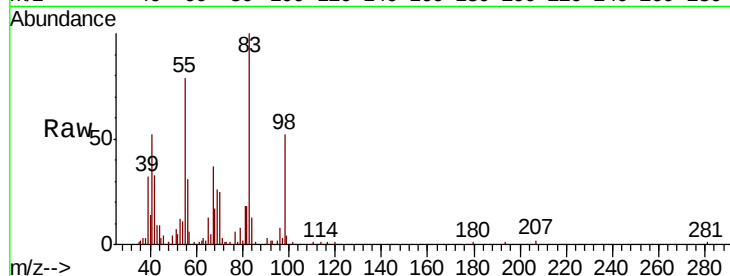




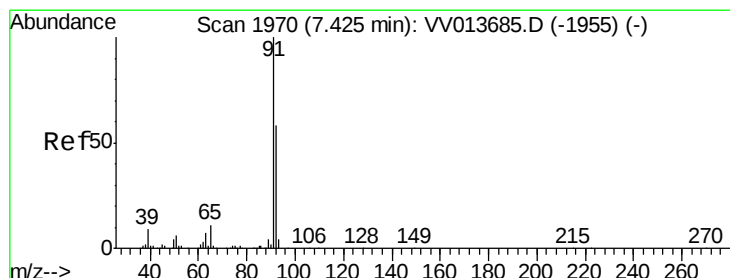
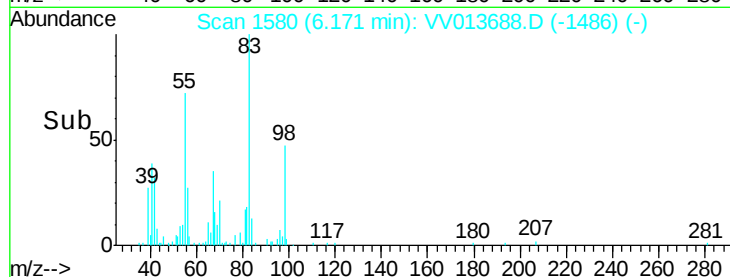
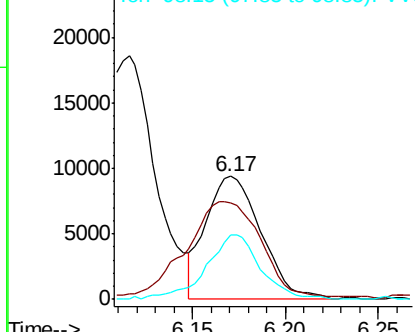
#35
Methvlcvclohexane
Concen: 0.493 ug/L
RT: 6.17 min Scan# 1580
Delta R.T. 0.00 min
Lab File: VV013688.D
Acq: 20 Nov 2019 15:10

Instrument :
MSVOA_V
ClientSampleId :
GAQK4DL

Tot Ion: 83 Resp: 19423
Ion Ratio Lower Upper
83 100
55 102.7 64.1 96.1#
98 51.9 38.2 57.2

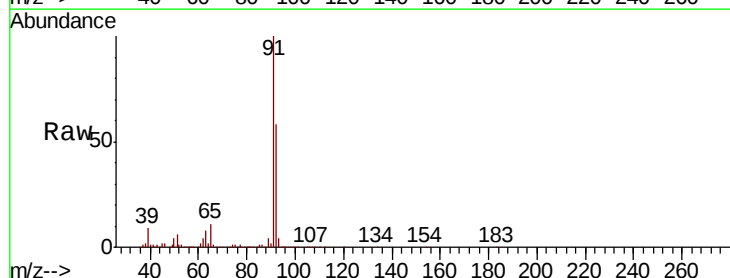


Abundance Ion 83.15 (82.85 to 83.85): VV0
Ion 55.10 (54.80 to 55.80): VV0
Ion 98.15 (97.85 to 98.85): VV0

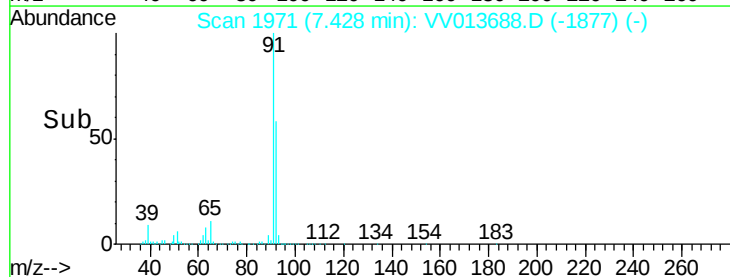
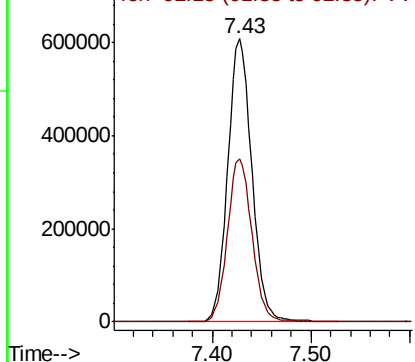


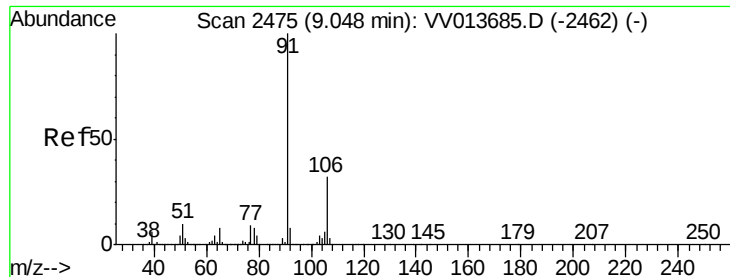
#42
Toluene
Concen: 10.106 ug/L
RT: 7.43 min Scan# 1971
Delta R.T. 0.00 min
Lab File: VV013688.D
Acq: 20 Nov 2019 15:10

Tgt Ion: 91 Resp: 1041483
Ion Ratio Lower Upper
91 100
92 57.8 41.2 76.6



Abundance Ion 91.15 (90.85 to 91.85): VV0
Ion 92.15 (91.85 to 92.85): VV0





#52

Ethylbenzene

Concen: 10.122 ug/L

RT: 9.05 min Scan# 2476

Delta R.T. 0.00 min

Lab File: VV013688.D

Acq: 20 Nov 2019 15:10

Instrument :

MSVOA_V

ClientSampleId :

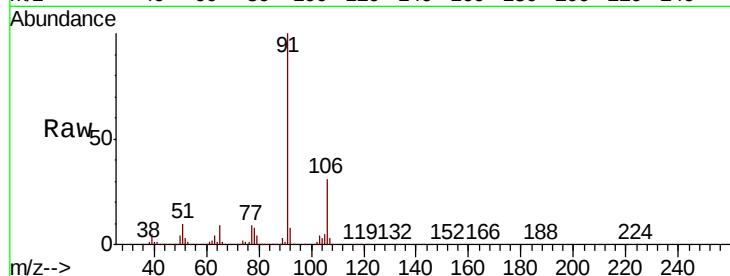
GAQK4DL

Tot Ion: 91 Resp: 1111863

Ion Ratio Lower Upper

91 100

106 31.1 21.7 40.3



Abundance Ion 91.15 (90.85 to 91.85): VV013688.D (-2382) (-)

Ion 106.15 (105.85 to 106.85): VV013688.D (-2382) (-)

2000000

1500000

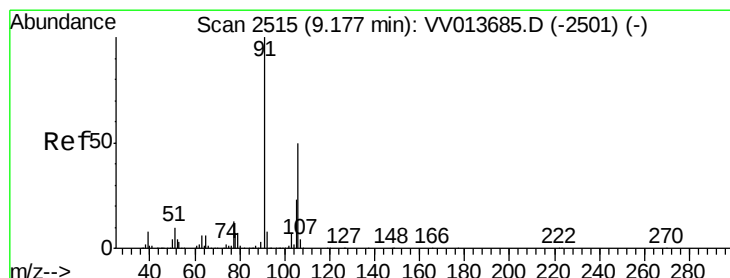
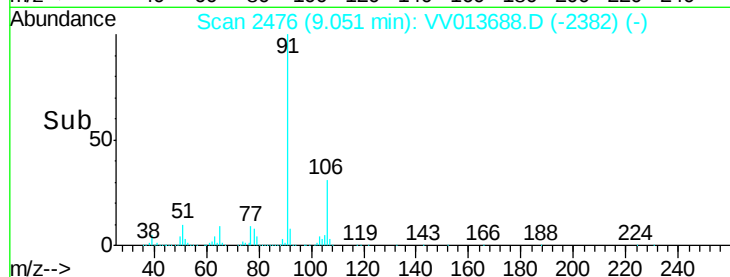
1000000

500000

0

Time-->

8.95 9.00 9.05 9.10 9.15



#53

m,p-xylene

Concen: 35.424 ug/L

RT: 9.18 min Scan# 2515

Delta R.T. -0.00 min

Lab File: VV013688.D

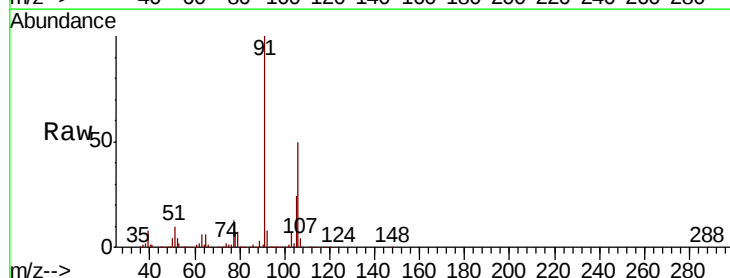
Acq: 20 Nov 2019 15:10

Tgt Ion: 106 Resp: 1467545

Ion Ratio Lower Upper

106 100

91 199.1 138.1 256.5



Abundance Ion 106.15 (105.85 to 106.85): VV013688.D (-2422) (-)

Ion 91.15 (90.85 to 91.85): VV013688.D (-2422) (-)

2000000

1500000

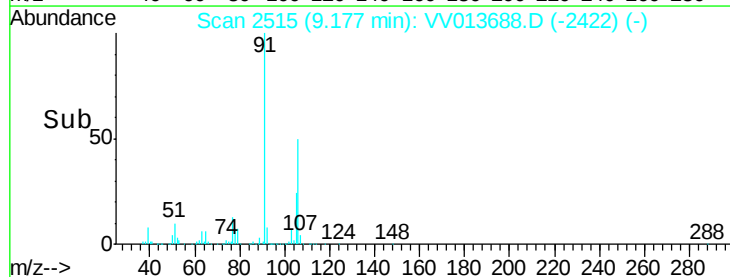
1000000

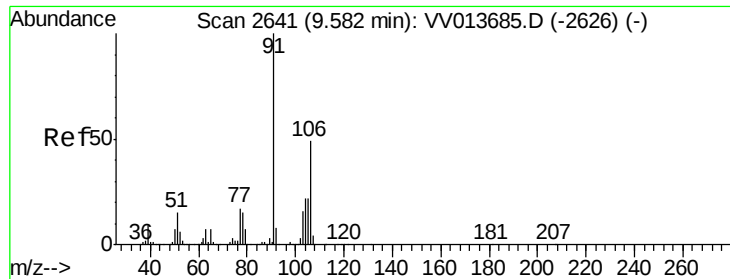
500000

0

Time-->

9.10 9.20 9.30





#54

o-xylene

Concen: 8.219 ug/L

RT: 9.58 min Scan# 2641

Delta R.T. -0.00 min

Lab File: VV013688.D

Acq: 20 Nov 2019 15:10

Instrument :

MSVOA_V

ClientSampleId :

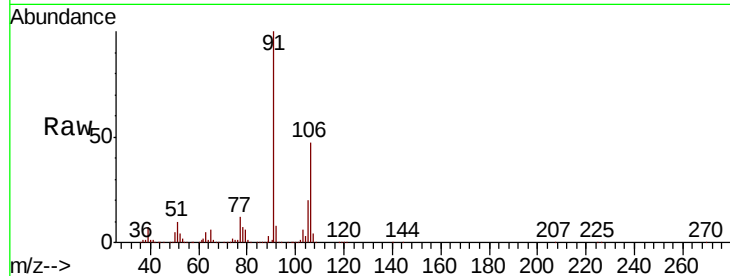
GAQK4DL

Tot Ion:106 Resp: 327482

Ion Ratio Lower Upper

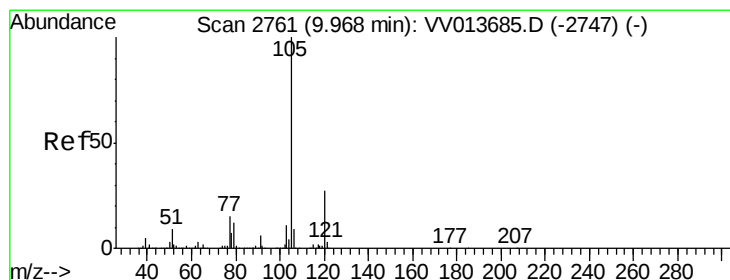
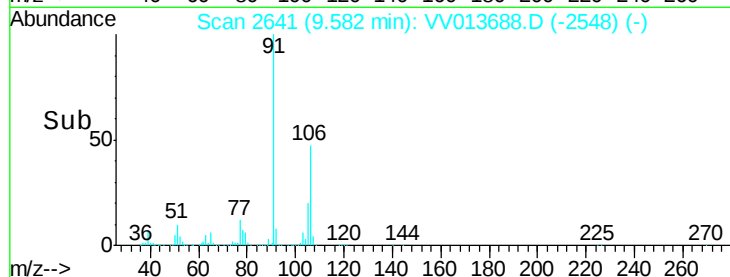
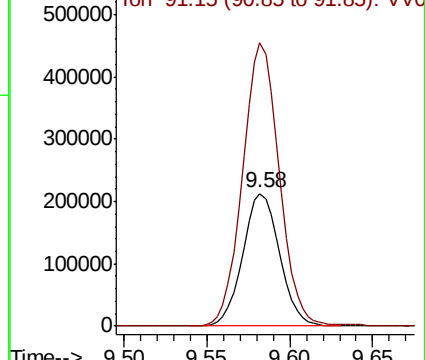
106 100

91 213.0 146.9 272.7



Abundance Ion 106.15 (105.85 to 106.85): V

Ion 91.15 (90.85 to 91.85): VV0



#56

Isopropylbenzene

Concen: 0.526 ug/L

RT: 9.97 min Scan# 2762

Delta R.T. 0.00 min

Lab File: VV013688.D

Acq: 20 Nov 2019 15:10

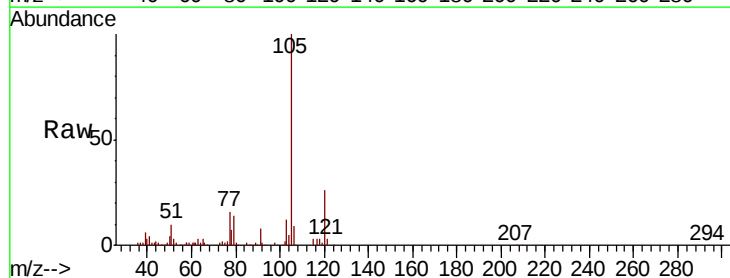
Tgt Ion:105 Resp: 55766

Ion Ratio Lower Upper

105 100

120 26.0 21.2 31.8

77 16.9 11.9 17.9



Abundance Ion 105.05 (104.75 to 105.75): V

Ion 120.10 (119.80 to 120.80): V

Ion 77.10 (76.80 to 77.80): VV0

