

Data Path : Z:\VOASRV\HPCHEM1\MSVOA V\DATA\VV020420\
 Data File : VV014501.D
 Acq On : 04 Feb 2020 18:41
 Operator : SY/MD
 Sample : L1324-10MS
 Misc : 5.07µ/5.0mL/100µL/5.0mL/MSVOA_V/MEOH
 ALS Vial : 14 Sample Multiplier: 1

Instrument :
 MSVOA_V
 ClientSampleId :
 GAT66MS

Quant Time: Feb 15 05:38:17 2020
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_V\METHOD\SOMVLM020120WMA.M
 Quant Title : VOC Analysis
 QLast Update : Wed Feb 05 01:06:41 2020
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Difluorobenzene	5.66	114	396641	50.00	ug/L	0.00
28) Chlorobenzene-d5	8.89	117	387842	50.00	ug/L	0.00
60) 1,4-Dichlorobenzene-d4	11.29	152	213544	50.00	ug/L	0.00

System Monitoring Compounds

4) Vinyl Chloride-d3	1.32	65	99299	45.08	ug/L	0.00
Spiked Amount	50.000	Range	60 - 135	Recovery	=	90.16%
7) Chloroethane-d5	1.55	69	33402	24.39	ug/L	-0.04
Spiked Amount	50.000	Range	70 - 130	Recovery	=	48.78%#
11) 1,1-Dichloroethene-d2	2.11	63	131456	44.70	ug/L	-0.02
Spiked Amount	50.000	Range	60 - 125	Recovery	=	89.40%
21) 2-Butanone-d5	3.94	46	148798	100.39	ug/L	0.02
Spiked Amount	100.000	Range	40 - 130	Recovery	=	100.39%
24) Chloroform-d	4.39	84	208749	44.77	ug/L	0.00
Spiked Amount	50.000	Range	70 - 125	Recovery	=	89.54%
26) 1,2-Dichloroethane-d4	5.07	65	136760	48.70	ug/L	0.00
Spiked Amount	50.000	Range	70 - 125	Recovery	=	97.40%
32) Benzene-d6	5.09	84	443845	43.46	ug/L	0.00
Spiked Amount	50.000	Range	70 - 125	Recovery	=	86.92%
36) 1,2-Dichloropropane-d6	6.11	67	144360	44.68	ug/L	0.00
Spiked Amount	50.000	Range	70 - 120	Recovery	=	89.36%
41) Toluene-d8	7.35	98	416362	44.17	ug/L	0.00
Spiked Amount	50.000	Range	80 - 120	Recovery	=	88.34%
43) trans-1,3-Dichloropropene-	7.66	79	75093	45.73	ug/L	0.00
Spiked Amount	50.000	Range	60 - 125	Recovery	=	91.46%
47) 2-Hexanone-d5	8.14	63	148868	117.77	ug/L	0.02
Spiked Amount	100.000	Range	45 - 130	Recovery	=	117.77%
57) 1,1,2,2-Tetrachloroethane-	10.26	84	221272	53.16	ug/L	0.00
Spiked Amount	50.000	Range	65 - 120	Recovery	=	106.32%
64) 1,2-Dichlorobenzene-d4	11.67	152	188211	47.86	ug/L	0.00
Spiked Amount	50.000	Range	80 - 120	Recovery	=	95.72%

Target Compounds

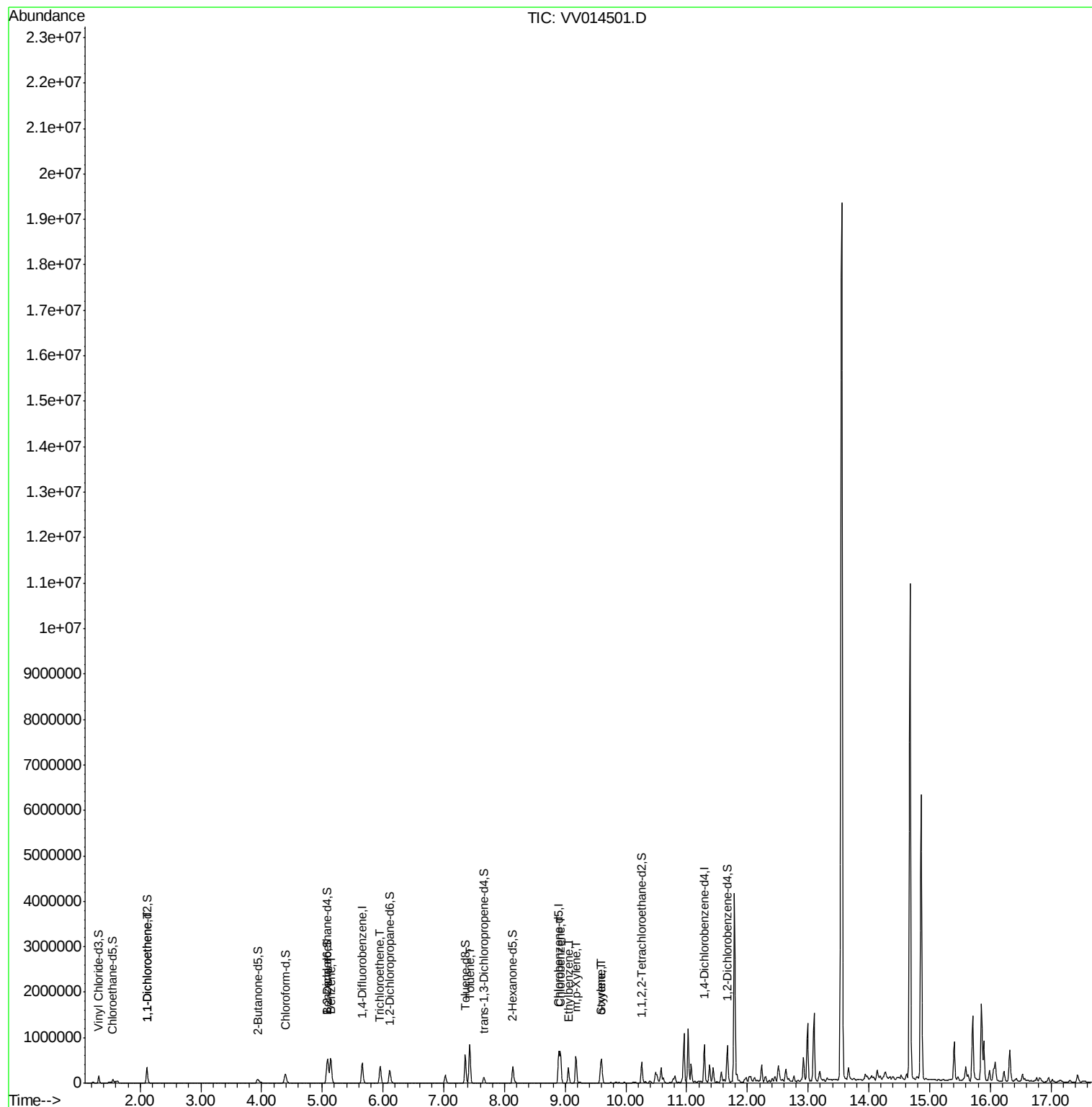
Target Compounds	R.T.	QIon	Response	Conc	Units	Ovalue
12) 1,1-Dichloroethene	2.12	96	68567	45.443	ug/L	98
33) Benzene	5.14	78	543823	47.521	ug/L	100
34) Trichloroethene	5.95	95	132473	45.833	ug/L	96
42) Toluene	7.43	91	621475	51.878	ug/L	99
51) Chlorobenzene	8.92	112	384781	50.209	ug/L	99
52) Ethylbenzene	9.05	91	252834	18.804	ug/L	99
53) m,p-Xylene	9.18	106	167883	33.439	ug/L	99
54) o-xylene	9.59	106	101014	20.305	ug/L	99
55) Styrene	9.60	104	203895	24.421	ug/L	99

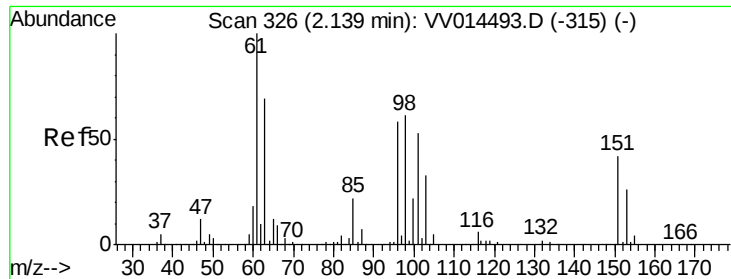
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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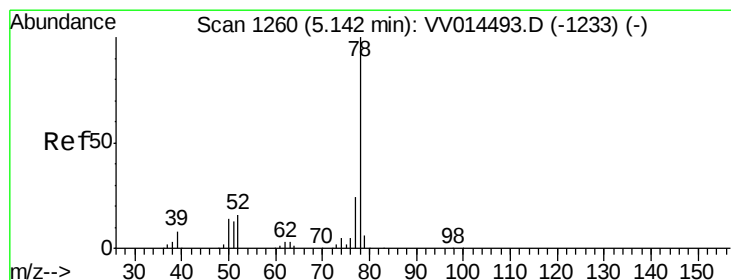
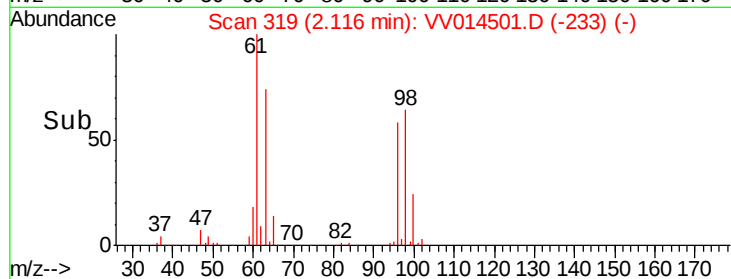
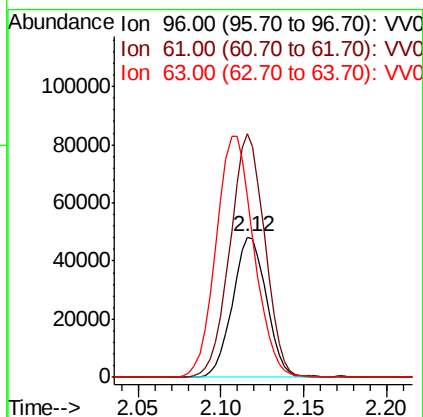
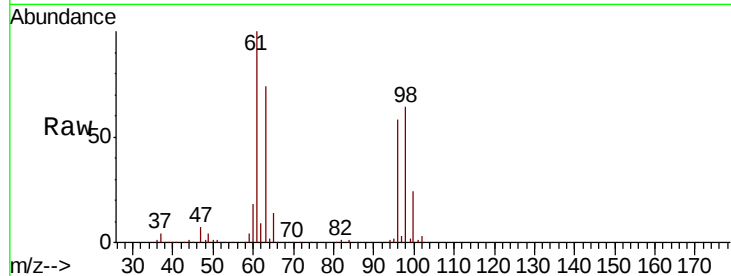




#12
 1,1-Dichloroethene
 Concen: 45.443 ug/L
 RT: 2.12 min Scan# 319
 Delta R.T. -0.02 min
 Lab File: VV014501.D
 Acq: 04 Feb 2020 18:41

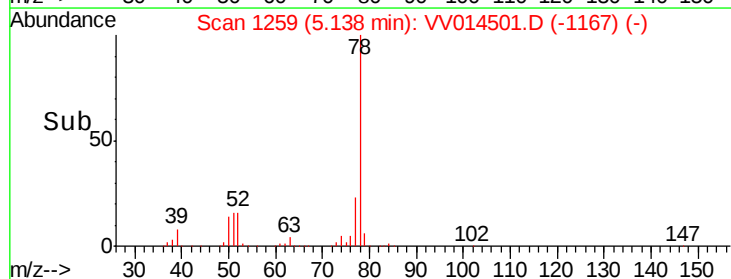
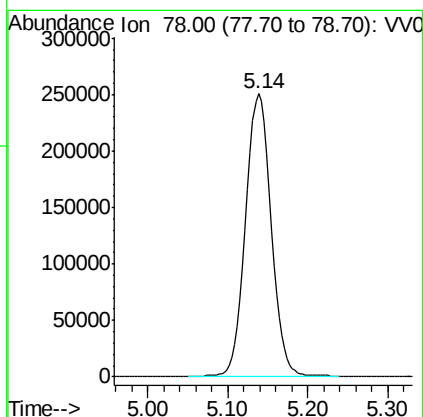
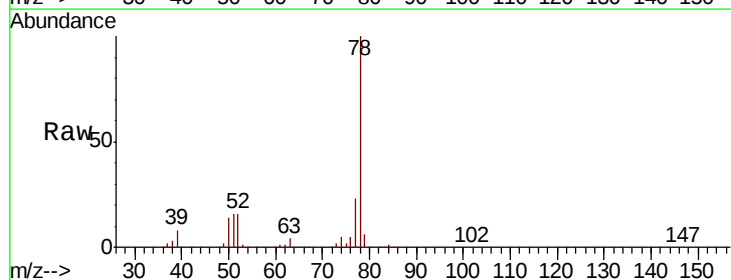
Instrument :
 MSVOA_V
 ClientSampleId :
 GAT66MS

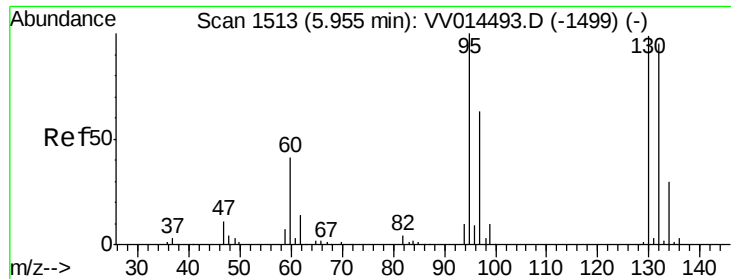
Tot Ion	Resp	Lower	Upper
96	100		
61	173.2	120.5	223.7
63	128.9	87.1	161.7



#33
 Benzene
 Concen: 47.521 ug/L
 RT: 5.14 min Scan# 1259
 Delta R.T. -0.00 min
 Lab File: VV014501.D
 Acq: 04 Feb 2020 18:41

Tgt Ion: 78 Resp: 543823

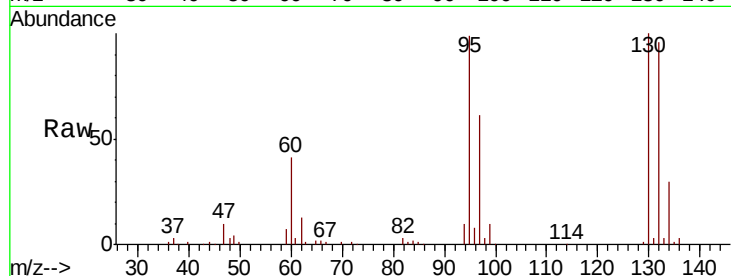




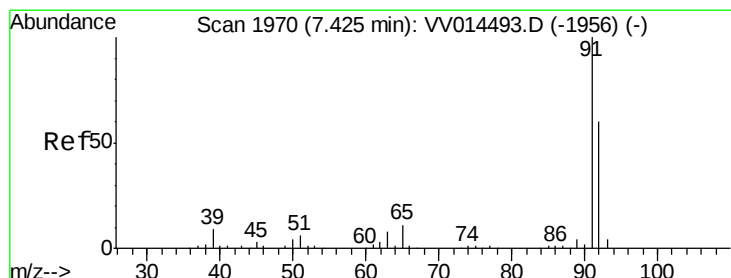
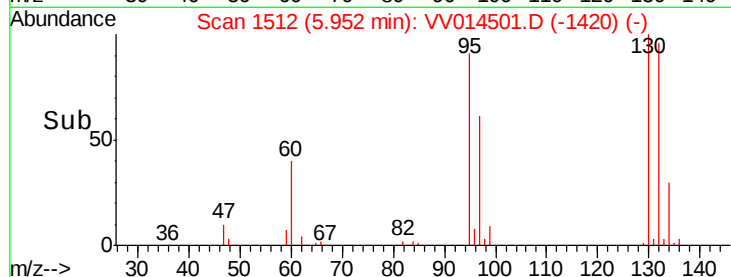
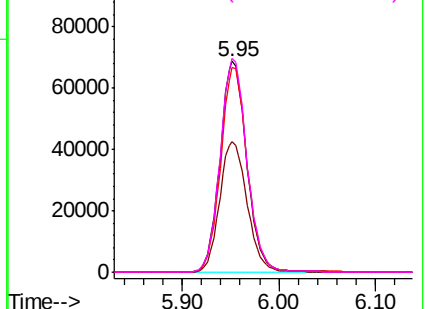
#34
 Trichloroethene
 Concen: 45.833 ug/L
 RT: 5.95 min Scan# 1512
 Delta R.T. -0.00 min
 Lab File: VV014501.D
 Acq: 04 Feb 2020 18:41

Instrument :
 MSVOA_V
 ClientSampleId :
 GAT66MS

Tot Ion: 95 Resp: 132473
 Ion Ratio Lower Upper
 95 100
 97 61.8 44.7 83.1
 132 97.2 65.4 121.4
 130 101.1 67.7 125.7

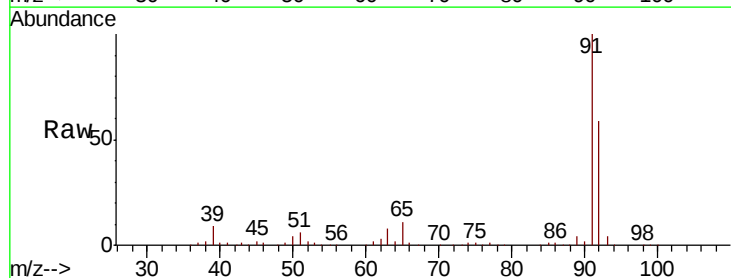


Abundance Ion 95.00 (94.70 to 95.70): VV0
 Ion 97.00 (96.70 to 97.70): VV0
 Ion 132.00 (131.70 to 132.70): VV0
 Ion 130.00 (129.70 to 130.70): VV0

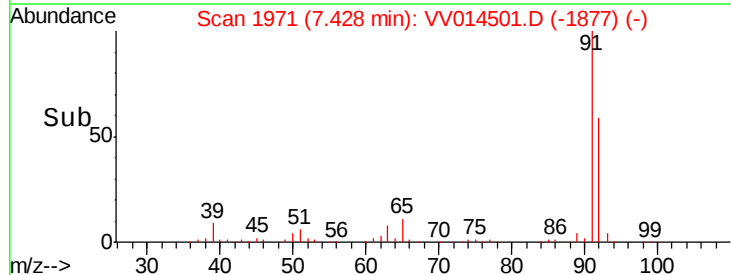
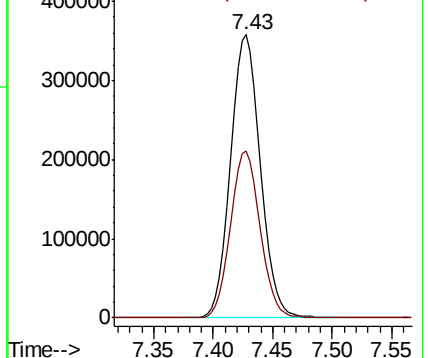


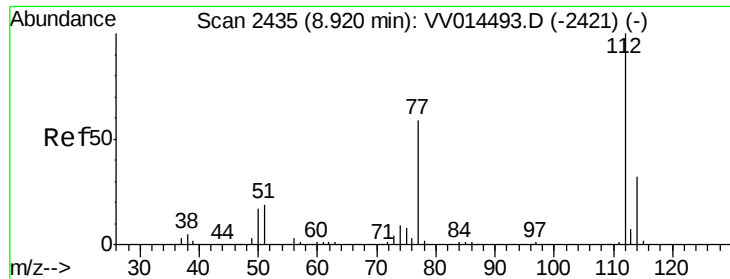
#42
 Toluene
 Concen: 51.878 ug/L
 RT: 7.43 min Scan# 1971
 Delta R.T. 0.00 min
 Lab File: VV014501.D
 Acq: 04 Feb 2020 18:41

Tgt Ion: 91 Resp: 621475
 Ion Ratio Lower Upper
 91 100
 92 59.1 41.0 76.2



Abundance Ion 91.00 (90.70 to 91.70): VV0
 Ion 92.00 (91.70 to 92.70): VV0





#51

Chlorobenzene

Concen: 50.209 ug/L

RT: 8.92 min Scan# 2436

Delta R.T. 0.00 min

Lab File: VV014501.D

Acq: 04 Feb 2020 18:41

Instrument :

MSVOA_V

ClientSampleId :

GAT66MS

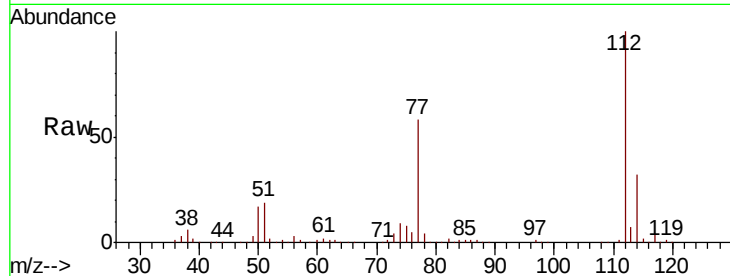
Tot Ion:112 Resp: 384781

Ion Ratio Lower Upper

112 100

114 32.4 22.5 41.9

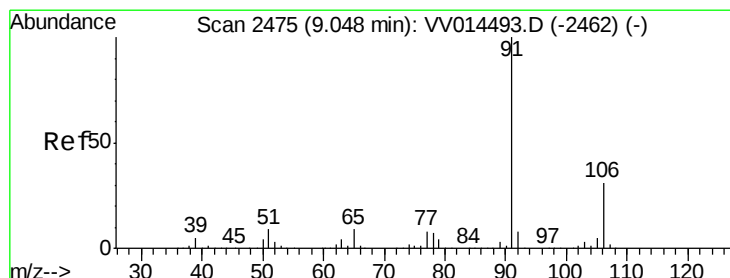
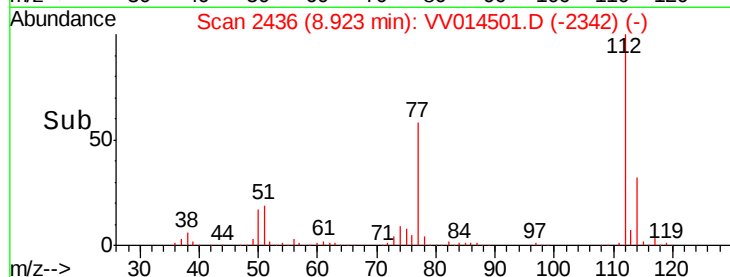
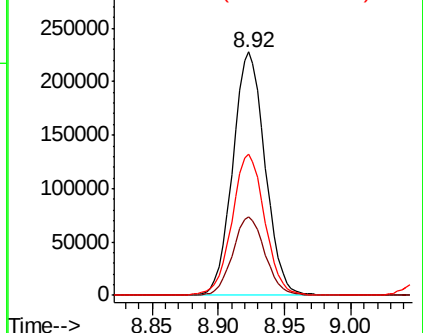
77 57.9 47.5 71.3



Abundance Ion 112.00 (111.70 to 112.70): V

Ion 114.00 (113.70 to 114.70): V

Ion 77.00 (76.70 to 77.70): V



#52

Ethylbenzene

Concen: 18.804 ug/L

RT: 9.05 min Scan# 2476

Delta R.T. 0.00 min

Lab File: VV014501.D

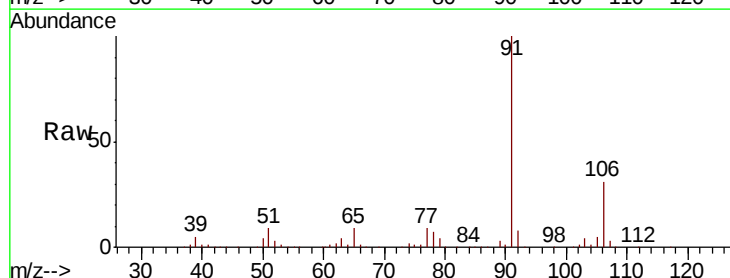
Acq: 04 Feb 2020 18:41

Tgt Ion: 91 Resp: 252834

Ion Ratio Lower Upper

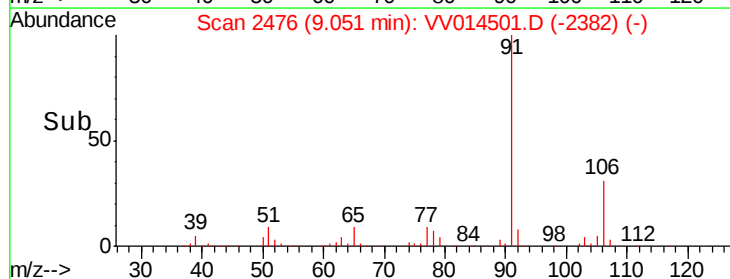
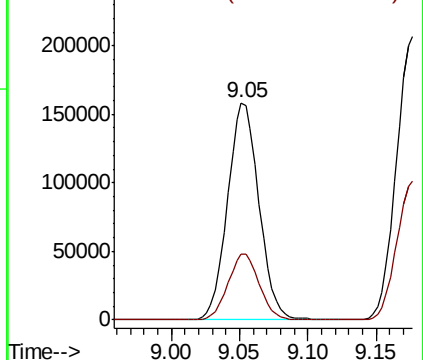
91 100

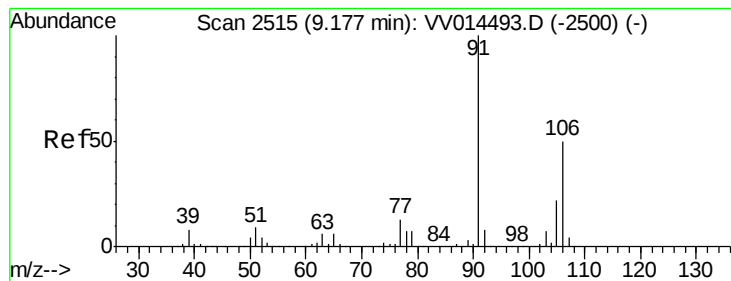
106 30.6 21.8 40.6



Abundance Ion 91.00 (90.70 to 91.70): V

Ion 106.00 (105.70 to 106.70): V





#53

m,p-Xylene

Concen: 33.439 ug/L

RT: 9.18 min Scan# 2515

Delta R.T. -0.00 min

Lab File: VV014501.D

Acq: 04 Feb 2020 18:41

Instrument :

MSVOA_V

ClientSampleId :

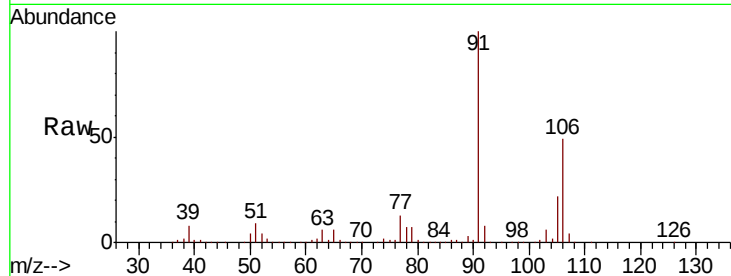
GAT66MS

Tot Ion:106 Resp: 167883

Ion Ratio Lower Upper

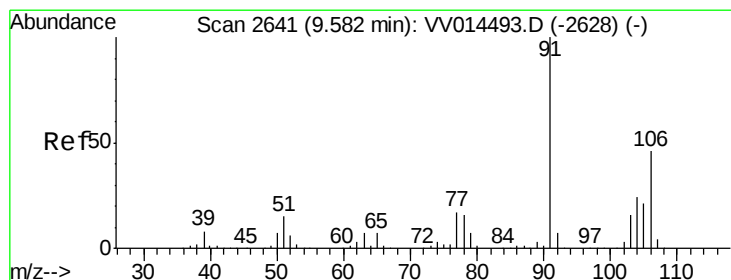
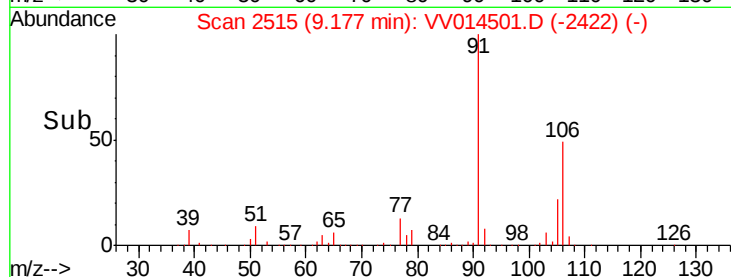
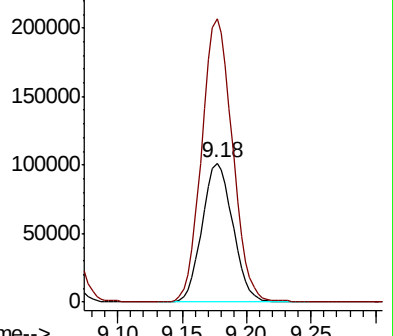
106 100

91 203.2 140.9 261.7



Abundance Ion 106.00 (105.70 to 106.70): V

Ion 91.00 (90.70 to 91.70): VV0



#54

o-xylene

Concen: 20.305 ug/L

RT: 9.59 min Scan# 2642

Delta R.T. 0.00 min

Lab File: VV014501.D

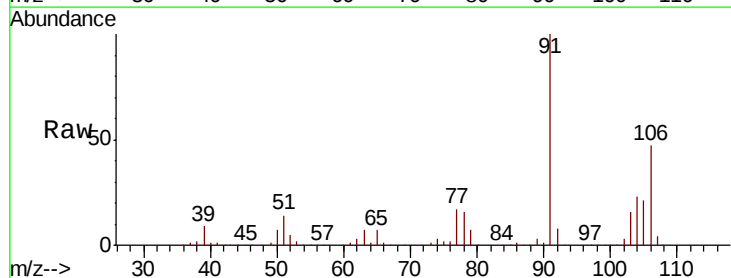
Acq: 04 Feb 2020 18:41

Tgt Ion:106 Resp: 101014

Ion Ratio Lower Upper

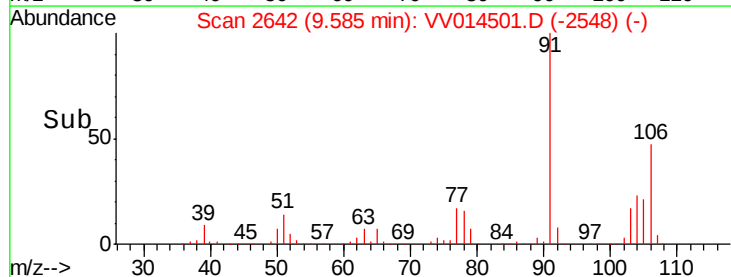
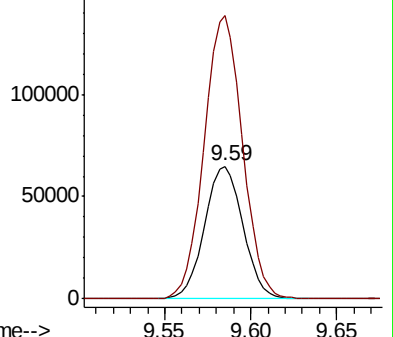
106 100

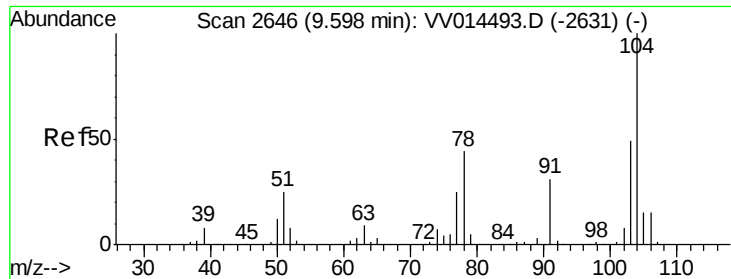
91 213.2 150.4 279.2



Abundance Ion 106.00 (105.70 to 106.70): V

Ion 91.00 (90.70 to 91.70): VV0





#55

Stvrene

Concen: 24.421 ug/L

RT: 9.60 min Scan# 2647

Delta R.T. 0.00 min

Lab File: VV014501.D

Acq: 04 Feb 2020 18:41

Instrument :
MSVOA_V
ClientSampleId :
GAT66MS

Tot Ion:104 Resp: 203895

Ion Ratio Lower Upper

104 100

78 44.2 31.3 58.1

