

Data Path : Z:\VOASRV\HPCHEM1\MSVOA V\DATA\VV020120\
 Data File : VV014468.D
 Acq On : 31 Jan 2020 22:34
 Operator : SY/MD
 Sample : L1324-09
 Misc : 5.10g/5.0mL/100uL/5.0mL/MSVOA_V/MEOH
 ALS Vial : 23 Sample Multiplier: 1

Instrument :
 MSVOA_V
 ClientSampleId :
 GAT66

Quant Time: Feb 01 03:43:57 2020
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_V\METHOD\SOMVLM020120WMA.M
 Quant Title : VOC Analysis
 QLast Update : Sat Feb 01 02:36:06 2020
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Difluorobenzene	5.66	114	384576	50.00	ug/L	0.00
28) Chlorobenzene-d5	8.89	117	391071	50.00	ug/L	0.00
60) 1,4-Dichlorobenzene-d4	11.29	152	215720	50.00	ug/L	0.00

System Monitoring Compounds

4) Vinyl Chloride-d3	1.32	65	95253	44.60	ug/L	0.00
Spiked Amount	50.000	Range	60 - 135	Recovery	=	89.20%
7) Chloroethane-d5	1.55	69	37862	28.51	ug/L	-0.02
Spiked Amount	50.000	Range	70 - 130	Recovery	=	57.02%#
11) 1,1-Dichloroethene-d2	2.11	63	97098	34.05	ug/L	-0.02
Spiked Amount	50.000	Range	60 - 125	Recovery	=	68.10%
21) 2-Butanone-d5	3.93	46	137330	95.56	ug/L	0.01
Spiked Amount	100.000	Range	40 - 130	Recovery	=	95.56%
24) Chloroform-d	4.39	84	191844	42.44	ug/L	0.00
Spiked Amount	50.000	Range	70 - 125	Recovery	=	84.88%
26) 1,2-Dichloroethane-d4	5.07	65	129192	47.45	ug/L	0.00
Spiked Amount	50.000	Range	70 - 125	Recovery	=	94.90%
32) Benzene-d6	5.09	84	417354	40.53	ug/L	0.00
Spiked Amount	50.000	Range	70 - 125	Recovery	=	81.06%
36) 1,2-Dichloropropane-d6	6.11	67	133476	40.97	ug/L	0.00
Spiked Amount	50.000	Range	70 - 120	Recovery	=	81.94%
41) Toluene-d8	7.35	98	416365	43.80	ug/L	0.00
Spiked Amount	50.000	Range	80 - 120	Recovery	=	87.60%
43) trans-1,3-Dichloropropene-	7.66	79	72561	43.82	ug/L	0.00
Spiked Amount	50.000	Range	60 - 125	Recovery	=	87.64%
47) 2-Hexanone-d5	8.14	63	139407	109.37	ug/L	0.01
Spiked Amount	100.000	Range	45 - 130	Recovery	=	109.37%
57) 1,1,2,2-Tetrachloroethane-	10.26	84	201348	47.97	ug/L	0.00
Spiked Amount	50.000	Range	65 - 120	Recovery	=	95.94%
64) 1,2-Dichlorobenzene-d4	11.67	152	183592	46.21	ug/L	0.00
Spiked Amount	50.000	Range	80 - 120	Recovery	=	92.42%

Target Compounds

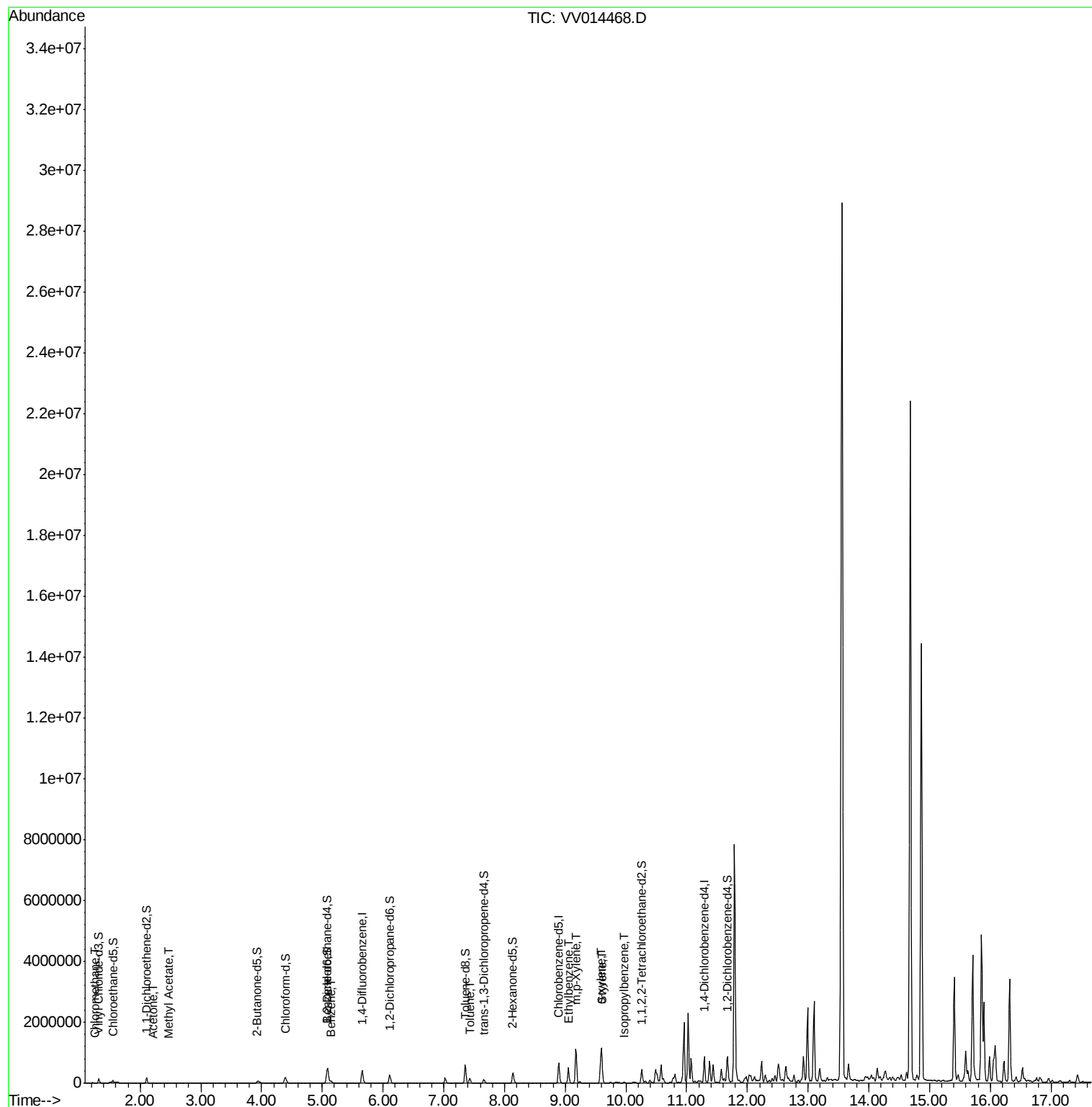
Target Compounds	R.T.	QIon	Response	Conc	Units	Ovalue
3) Chloromethane	1.25	50	3182	0.948	ug/L	98
13) Acetone	2.20	43	2383	1.943	ug/L	80
15) Methyl Acetate	2.47	43	2195	0.929	ug/L #	85
33) Benzene	5.14	78	54571	4.729	ug/L	100
42) Toluene	7.43	91	113604	9.405	ug/L	99
52) Ethylbenzene	9.05	91	361778	26.685	ug/L	99
53) m,p-Xylene	9.18	106	319266	63.066	ug/L	97
54) o-xylene	9.59	106	187627	37.404	ug/L	99
55) Styrene	9.60	104	462106	54.892	ug/L	99
56) Isopropylbenzene	9.97	105	12143	0.947	ug/L	95

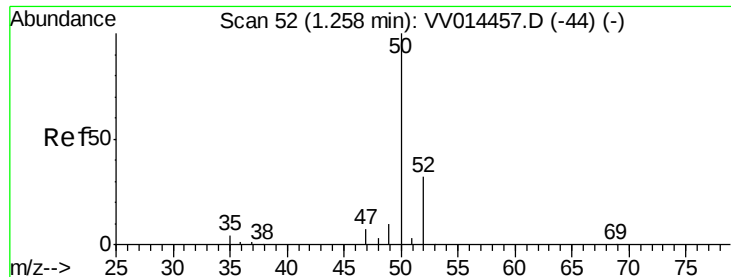
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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QLast Update : Sat Feb 01 02:36:06 2020
Response via : Initial Calibration





#3

Chloromethane

Concen: 0.948 ug/L

RT: 1.25 min Scan# 50

Delta R.T. -0.01 min

Lab File: VV014468.D

Acq: 31 Jan 2020 22:34

Instrument :

MSVOA_V

ClientSampled :

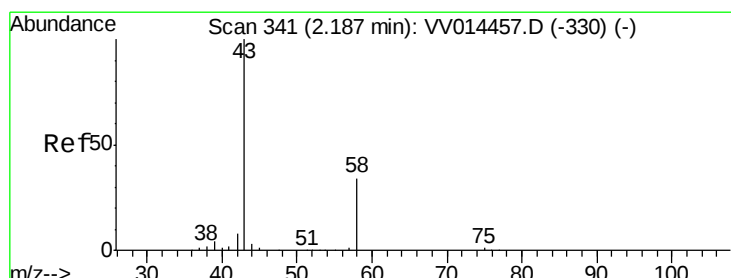
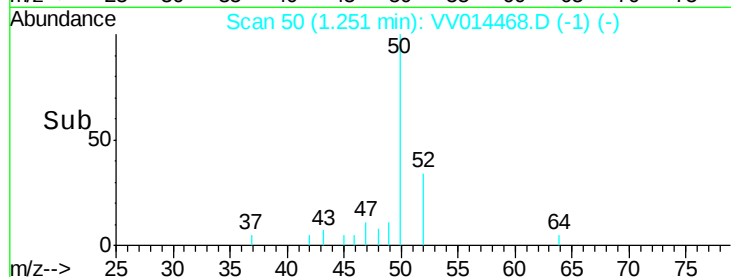
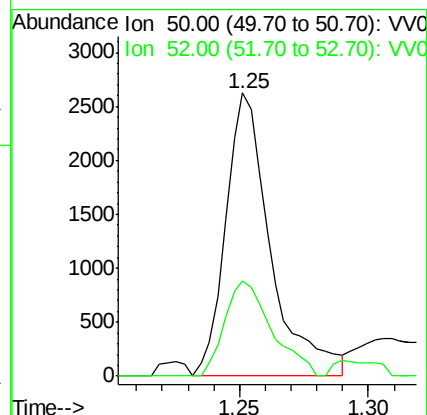
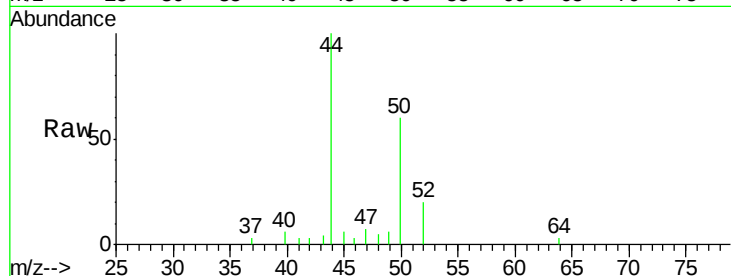
GAT66

Tot Ion: 50 Resp: 3182

Ion Ratio Lower Upper

50 100

52 33.8 22.8 42.4



#13

Acetone

Concen: 1.943 ug/L

RT: 2.20 min Scan# 346

Delta R.T. 0.02 min

Lab File: VV014468.D

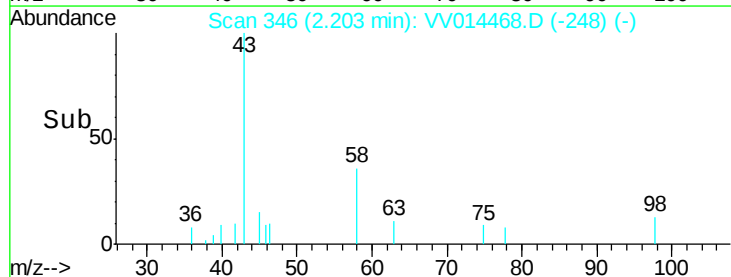
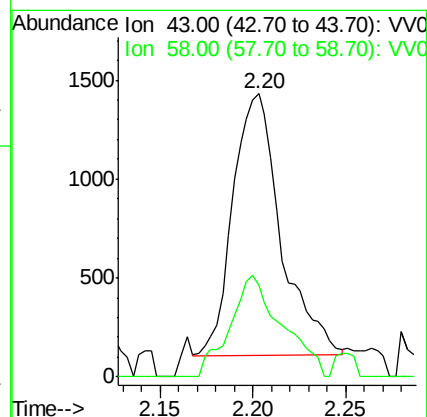
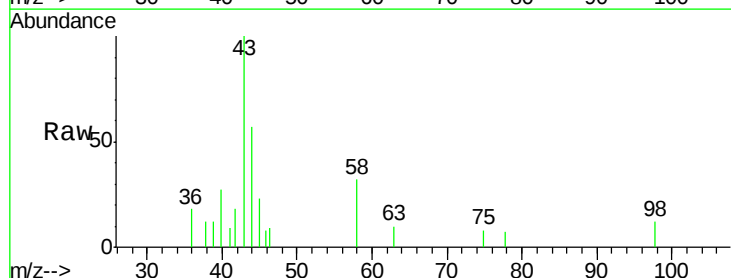
Acq: 31 Jan 2020 22:34

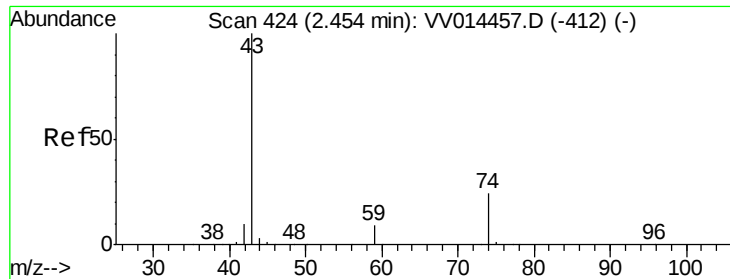
Tgt Ion: 43 Resp: 2383

Ion Ratio Lower Upper

43 100

58 41.8 0.0 61.2

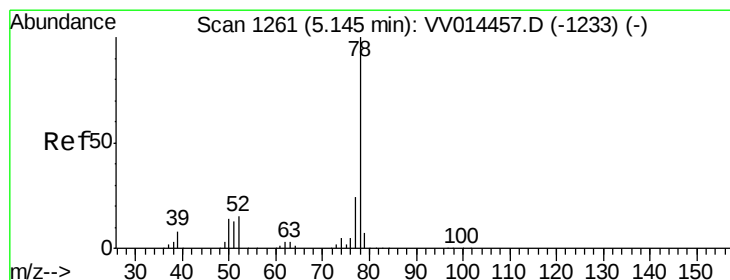
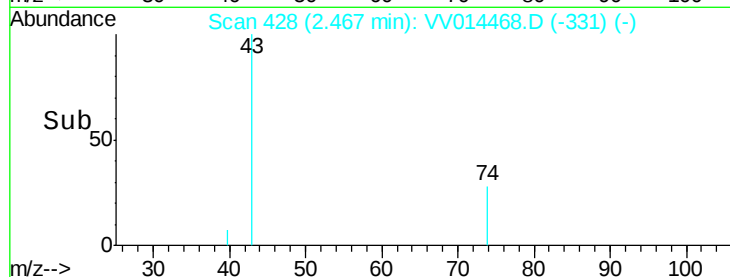
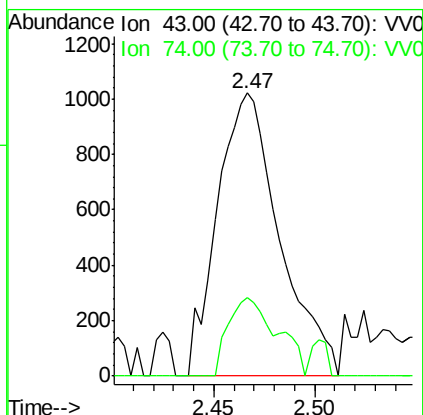
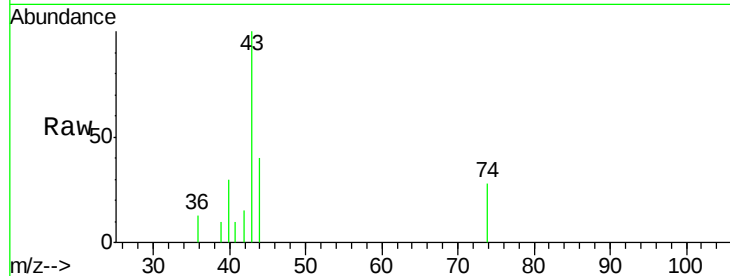




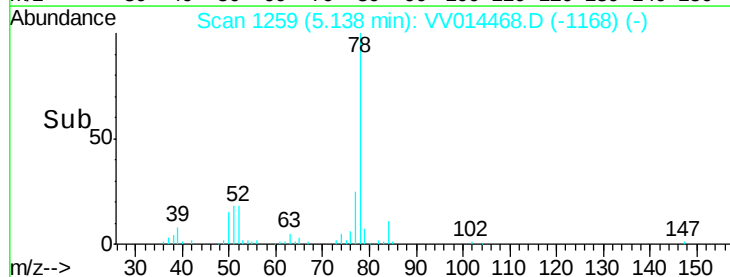
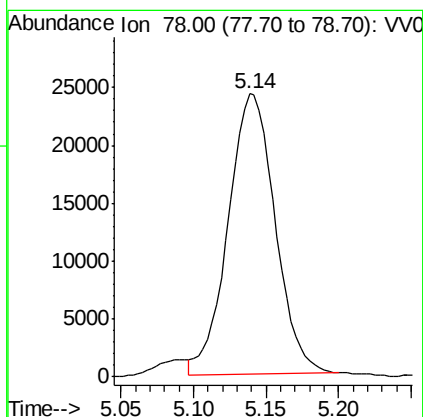
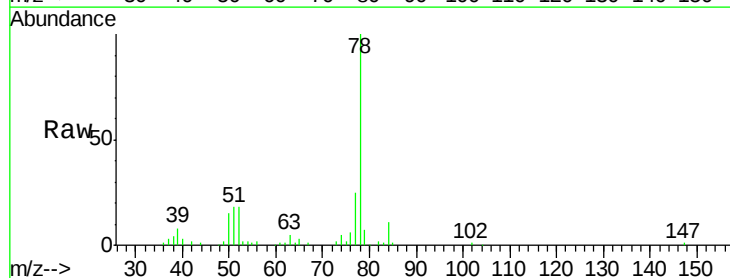
#15
Methvl Acetate
Concen: 0.929 ug/L
RT: 2.47 min Scan# 428
Delta R.T. 0.01 min
Lab File: VV014468.D
Acq: 31 Jan 2020 22:34

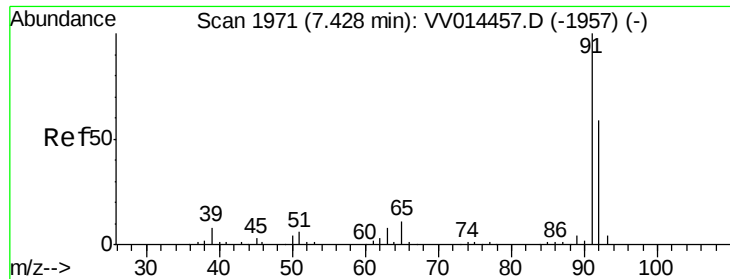
Instrument :
MSVOA_V
ClientSampleId :
GAT66

Tot Ion: 43 Resp: 2195
Ion Ratio Lower Upper
43 100
74 17.0 19.6 29.4#



#33
Benzene
Concen: 4.729 ug/L
RT: 5.14 min Scan# 1259
Delta R.T. -0.01 min
Lab File: VV014468.D
Acq: 31 Jan 2020 22:34
Tgt Ion: 78 Resp: 54571





#42

Toluene

Concen: 9.405 ug/L

RT: 7.43 min Scan# 1971

Delta R.T. -0.00 min

Lab File: VV014468.D

Acq: 31 Jan 2020 22:34

Instrument :

MSVOA_V

ClientSampleId :

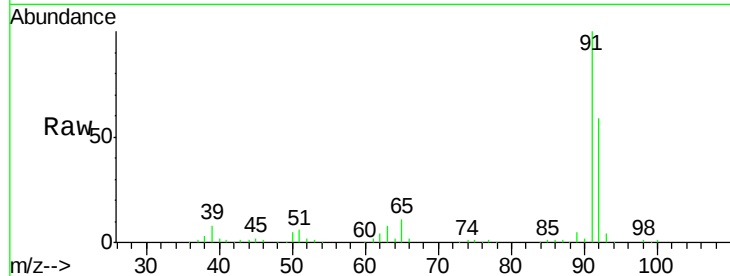
GAT66

Tot Ion: 91 Resp: 113604

Ion Ratio Lower Upper

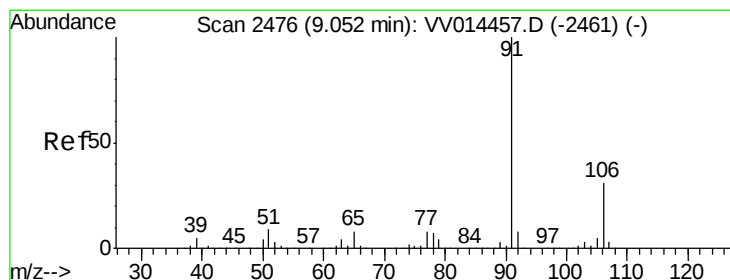
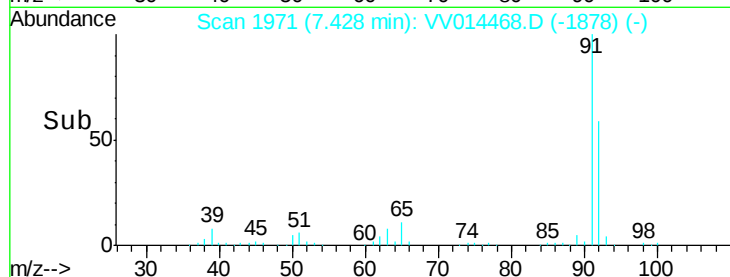
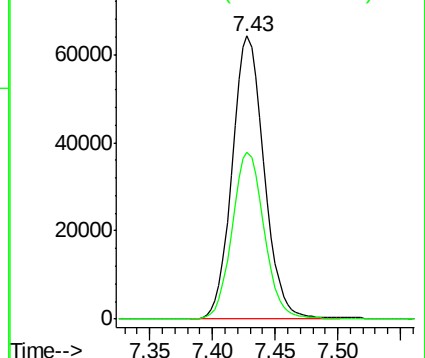
91 100

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



#52

Ethylbenzene

Concen: 26.685 ug/L

RT: 9.05 min Scan# 2476

Delta R.T. -0.00 min

Lab File: VV014468.D

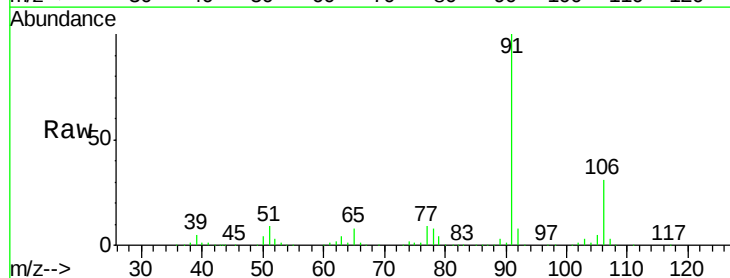
Acq: 31 Jan 2020 22:34

Tgt Ion: 91 Resp: 361778

Ion Ratio Lower Upper

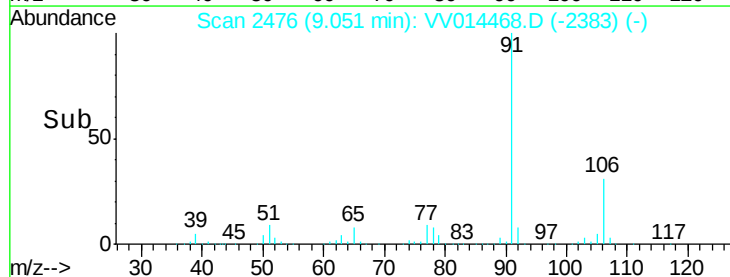
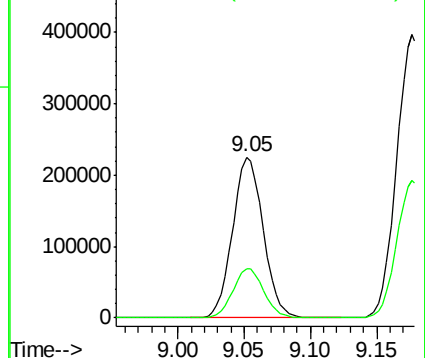
91 100

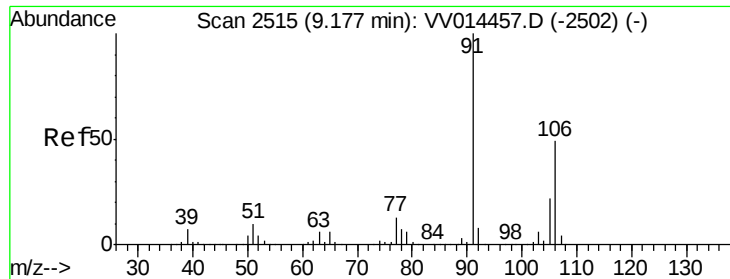
106 30.9 21.8 40.6



Abundance Ion 91.00 (90.70 to 91.70): VV0

Ion 106.00 (105.70 to 106.70): V





#53

m,p-Xylene

Concen: 63.066 ug/L

RT: 9.18 min Scan# 2515

Delta R.T. -0.00 min

Lab File: VV014468.D

Acq: 31 Jan 2020 22:34

Instrument :

MSVOA_V

ClientSampleId :

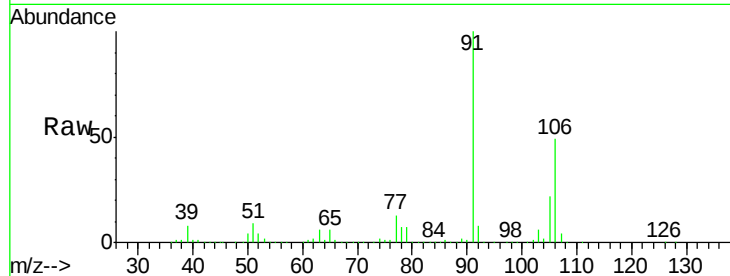
GAT66

Tot Ion:106 Resp: 319266

Ion Ratio Lower Upper

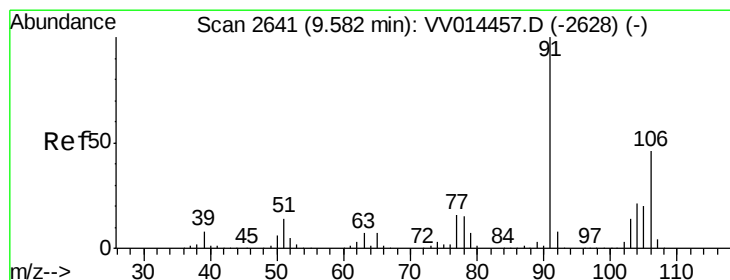
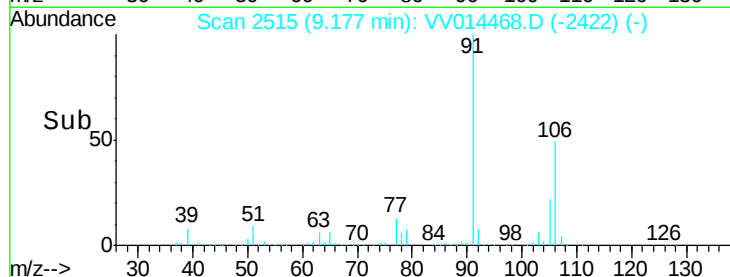
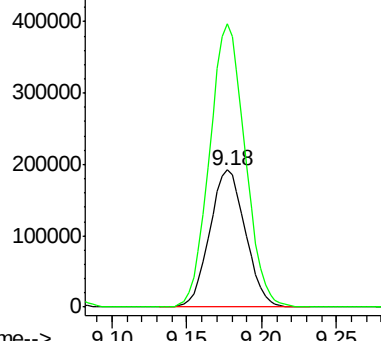
106 100

91 206.1 140.9 261.7



Abundance Ion 106.00 (105.70 to 106.70): V

Ion 91.00 (90.70 to 91.70): VV0



#54

o-xylene

Concen: 37.404 ug/L

RT: 9.59 min Scan# 2642

Delta R.T. 0.00 min

Lab File: VV014468.D

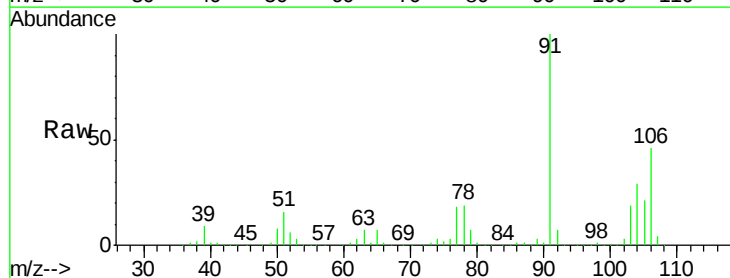
Acq: 31 Jan 2020 22:34

Tgt Ion:106 Resp: 187627

Ion Ratio Lower Upper

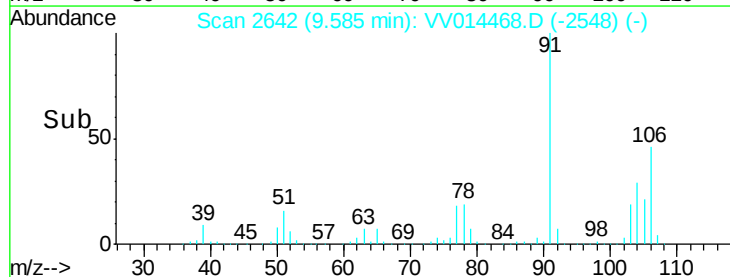
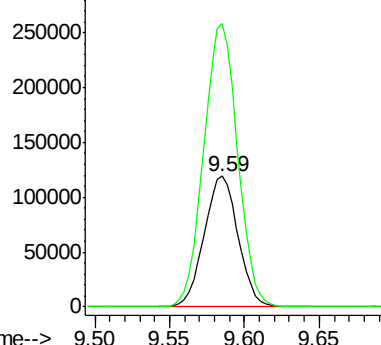
106 100

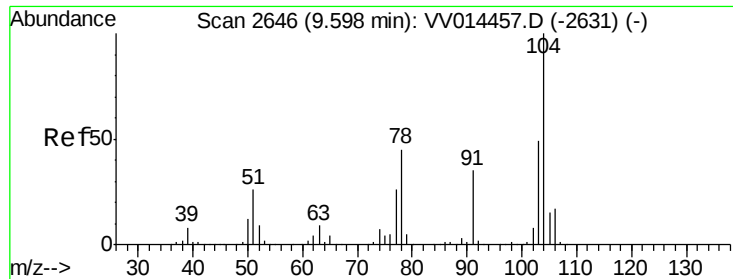
91 216.3 150.4 279.2



Abundance Ion 106.00 (105.70 to 106.70): V

Ion 91.00 (90.70 to 91.70): VV0





#55

Stvrene

Concen: 54.892 ug/L

RT: 9.60 min Scan# 2647

Delta R.T. 0.00 min

Lab File: VV014468.D

Acq: 31 Jan 2020 22:34

Instrument :

MSVOA_V

ClientSampleId :

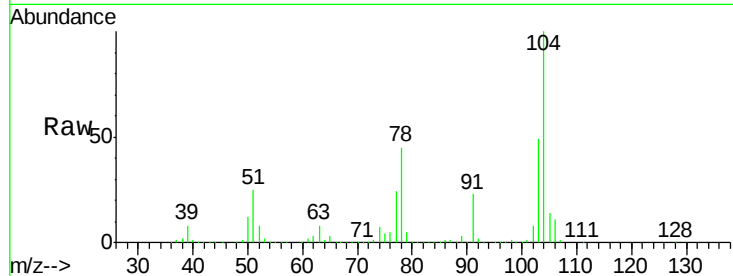
GAT66

Tot Ion:104 Resp: 462106

Ion Ratio Lower Upper

104 100

78 45.2 31.3 58.1



Abundance Ion 104.00 (103.70 to 104.70): V

Ion 78.00 (77.70 to 78.70): VV0

9.60

300000

250000

200000

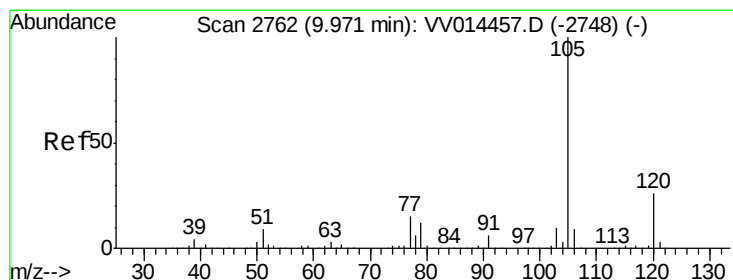
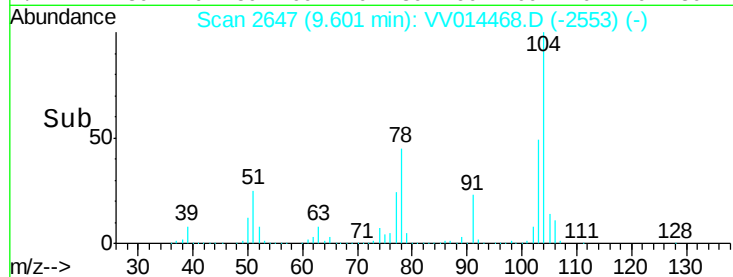
150000

100000

50000

0

Time--> 9.50 9.55 9.60 9.65 9.70



#56

Isopropylbenzene

Concen: 0.947 ug/L

RT: 9.97 min Scan# 2763

Delta R.T. 0.00 min

Lab File: VV014468.D

Acq: 31 Jan 2020 22:34

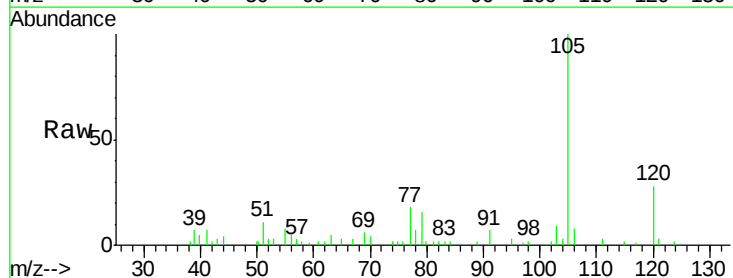
Tgt Ion:105 Resp: 12143

Ion Ratio Lower Upper

105 100

120 28.2 21.0 31.6

77 18.5 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

10000

8000

6000

4000

2000

0

Time--> 9.95 10.00

