

Data Path : Z:\VOASRV\HPCHEM1\MSVOA V\DATA\VV020120\
 Data File : VV014474.D
 Acq On : 01 Feb 2020 00:57
 Operator : SY/MD
 Sample : L1323-11 10X
 Misc : 5.00µ/5.0mL/100uL/5.0mL/MSVOA_V/MEOH
 ALS Vial : 29 Sample Multiplier: 1

Instrument :
 MSVOA_V
 ClientSampleId :
 GAT49

Quant Time: Feb 01 03:59:27 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	453280	50.00	ug/L	0.00
28) Chlorobenzene-d5	8.89	117	423544	50.00	ug/L	0.00
60) 1,4-Dichlorobenzene-d4	11.29	152	203659	50.00	ug/L	0.00

System Monitoring Compounds

4) Vinyl Chloride-d3	1.32	65	107328	42.64	ug/L	0.00
Spiked Amount	50.000	Range	60 - 135	Recovery	=	85.28%
7) Chloroethane-d5	1.57	69	75306	48.11	ug/L	0.00
Spiked Amount	50.000	Range	70 - 130	Recovery	=	96.22%
11) 1,1-Dichloroethene-d2	2.13	63	122350	36.41	ug/L	0.00
Spiked Amount	50.000	Range	60 - 125	Recovery	=	72.82%
21) 2-Butanone-d5	3.92	46	196180	115.82	ug/L	0.00
Spiked Amount	100.000	Range	40 - 130	Recovery	=	115.82%
24) Chloroform-d	4.40	84	238503	44.76	ug/L	0.00
Spiked Amount	50.000	Range	70 - 125	Recovery	=	89.52%
26) 1,2-Dichloroethane-d4	5.08	65	157983	49.23	ug/L	0.00
Spiked Amount	50.000	Range	70 - 125	Recovery	=	98.46%
32) Benzene-d6	5.09	84	531166	47.63	ug/L	0.00
Spiked Amount	50.000	Range	70 - 125	Recovery	=	95.26%
36) 1,2-Dichloropropane-d6	6.11	67	169352	48.00	ug/L	0.00
Spiked Amount	50.000	Range	70 - 120	Recovery	=	96.00%
41) Toluene-d8	7.35	98	495127	48.09	ug/L	0.00
Spiked Amount	50.000	Range	80 - 120	Recovery	=	96.18%
43) trans-1,3-Dichloropropene-	7.66	79	84715	47.24	ug/L	0.00
Spiked Amount	50.000	Range	60 - 125	Recovery	=	94.48%
47) 2-Hexanone-d5	8.12	63	161236	116.80	ug/L	0.00
Spiked Amount	100.000	Range	45 - 130	Recovery	=	116.80%
57) 1,1,2,2-Tetrachloroethane-	10.25	84	202505	44.55	ug/L	0.00
Spiked Amount	50.000	Range	65 - 120	Recovery	=	89.10%
64) 1,2-Dichlorobenzene-d4	11.67	152	180145	48.03	ug/L	0.00
Spiked Amount	50.000	Range	80 - 120	Recovery	=	96.06%

Target Compounds

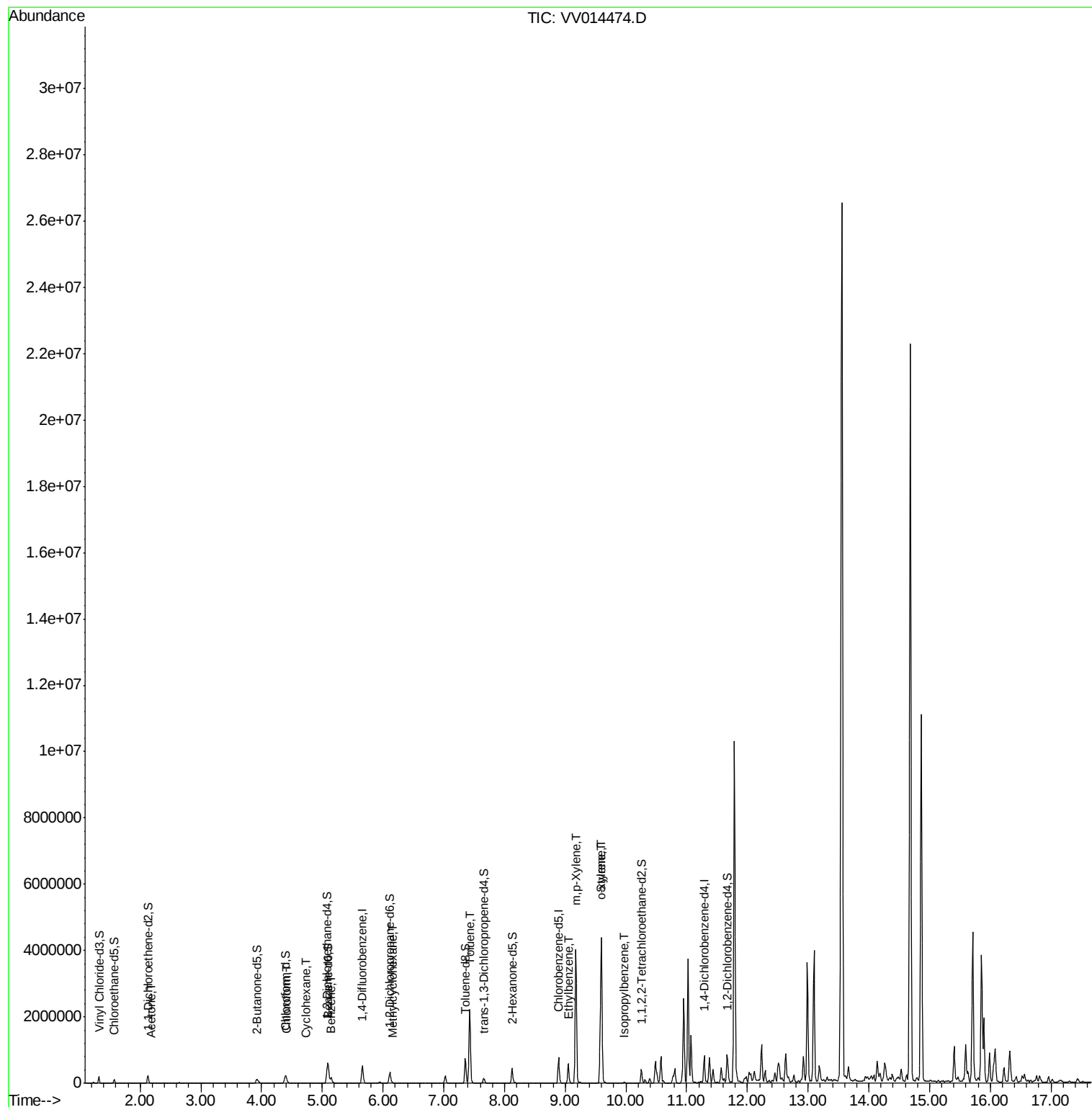
					Ovalue
13) Acetone	2.18	43	3979	2.753	ug/L 97
25) Chloroform	4.42	83	11668	2.123	ug/L 98
29) Cyclohexane	4.73	56	3842	0.743	ug/L # 82
33) Benzene	5.14	78	156853	12.551	ug/L 100
35) Methylcyclohexane	6.17	83	4046	0.771	ug/L # 77
42) Toluene	7.43	91	1604241	122.626	ug/L 99
52) Ethylbenzene	9.05	91	405325	27.605	ug/L 99
53) m,p-Xylene	9.18	106	1132304	206.521	ug/L 99
54) o-xylene	9.58	106	485200	89.311	ug/L 100
55) Styrene	9.60	104	1839410	201.744	ug/L 99
56) Isopropylbenzene	9.97	105	12079	0.870	ug/L 98

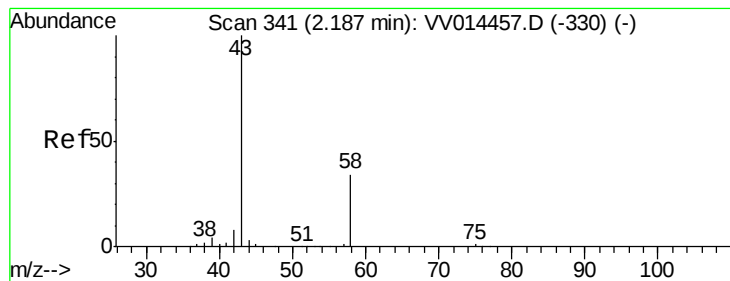
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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Quant Time: Feb 01 03:59:27 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





#13

Acetone

Concen: 2.753 ug/L

RT: 2.18 min Scan# 340

Delta R.T. -0.00 min

Lab File: VV014474.D

Acq: 01 Feb 2020 00:57

Instrument :

MSVOA_V

ClientSampleId :

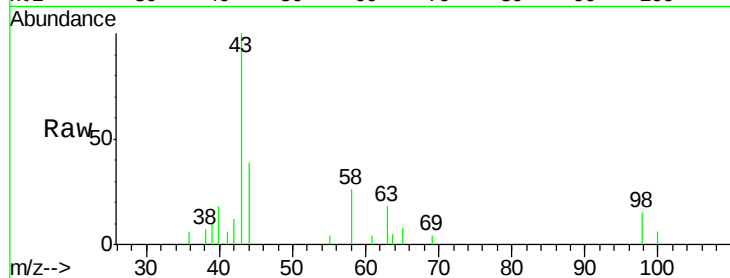
GAT49

Tot Ion: 43 Resp: 3979

Ion Ratio Lower Upper

43 100

58 32.1 0.0 61.2



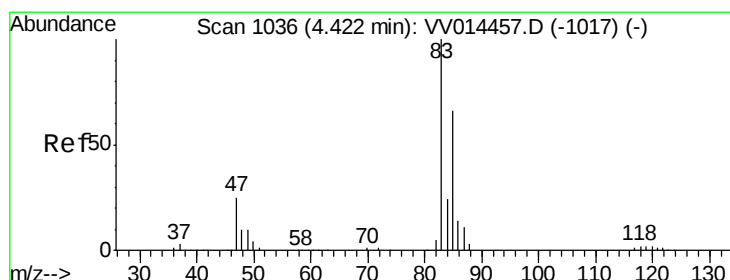
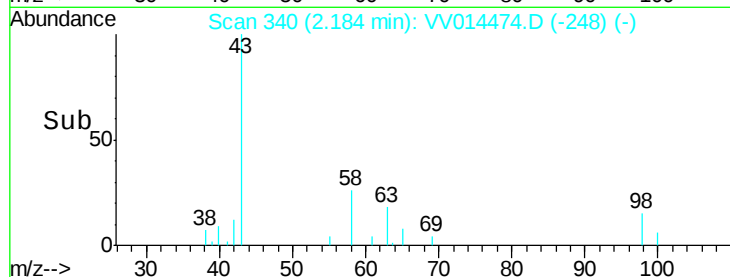
Abundance Ion 43.00 (42.70 to 43.70): VV014457.D (-330) (-)

Ion 58.00 (57.70 to 58.70): VV014457.D (-330) (-)

2.18

2.15 2.20 2.25

Time-->



#25

Chloroform

Concen: 2.123 ug/L

RT: 4.42 min Scan# 1035

Delta R.T. -0.00 min

Lab File: VV014474.D

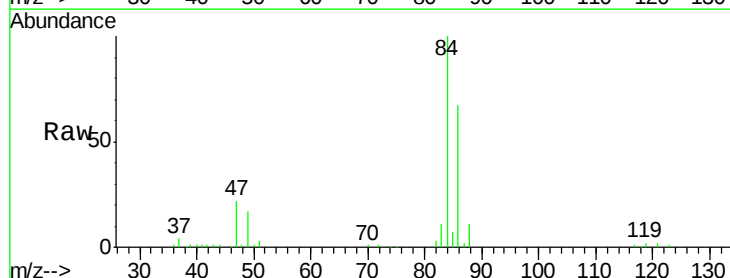
Acq: 01 Feb 2020 00:57

Tgt Ion: 83 Resp: 11668

Ion Ratio Lower Upper

83 100

85 65.9 45.1 83.7



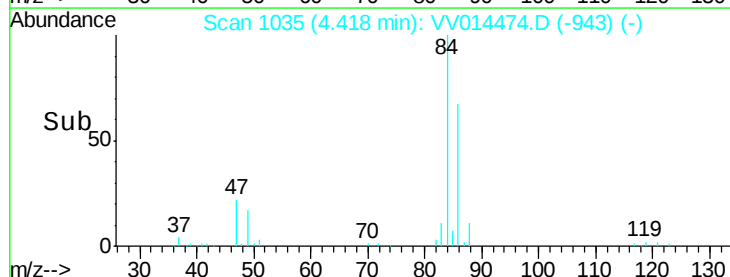
Abundance Ion 83.00 (82.70 to 83.70): VV014457.D (-1017) (-)

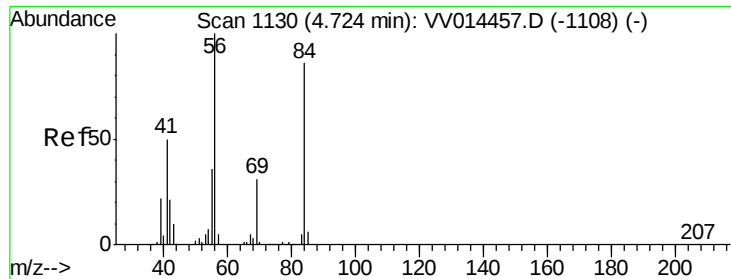
Ion 85.00 (84.70 to 85.70): VV014457.D (-1017) (-)

4.42

4.35 4.40 4.45 4.50

Time-->

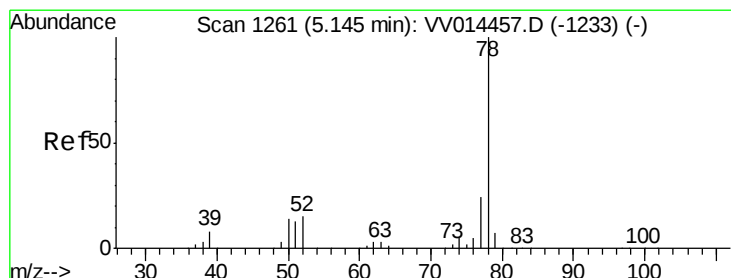
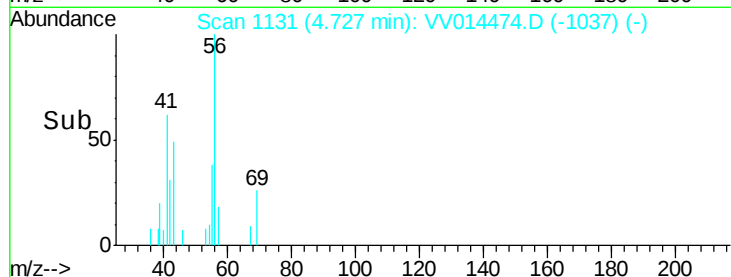
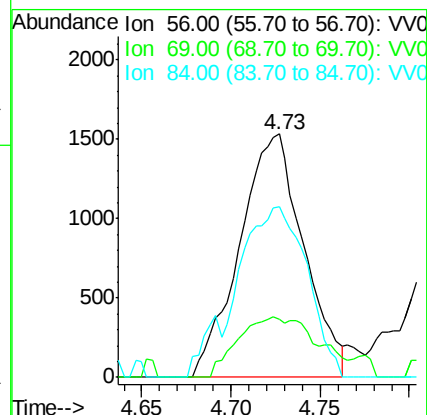
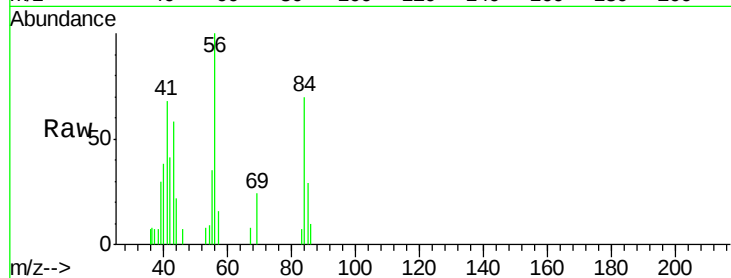




#29
Cyclohexane
Concen: 0.743 ug/L
RT: 4.73 min Scan# 1131
Delta R.T. 0.00 min
Lab File: VV014474.D
Acq: 01 Feb 2020 00:57

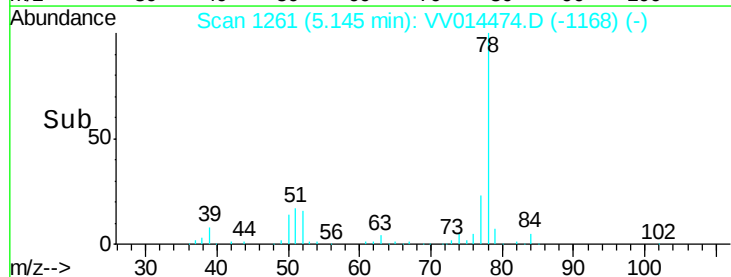
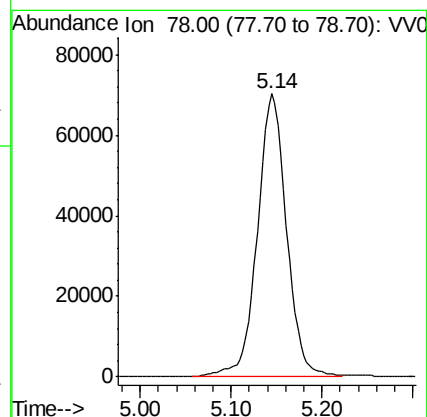
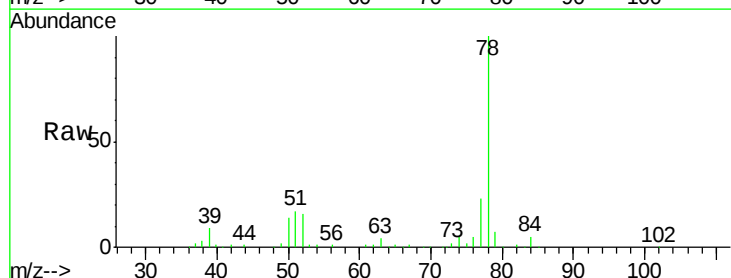
Instrument :
MSVOA_V
ClientSampleId :
GAT49

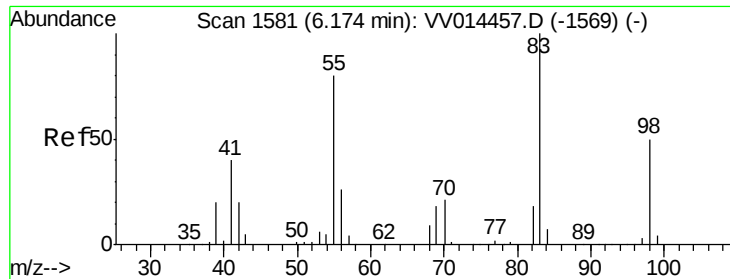
Tot Ion: 56 Resp: 3842
Ion Ratio Lower Upper
56 100
69 18.0 24.9 37.3#
84 70.7 68.6 103.0



#33
Benzene
Concen: 12.551 ug/L
RT: 5.14 min Scan# 1261
Delta R.T. -0.00 min
Lab File: VV014474.D
Acq: 01 Feb 2020 00:57

Tgt Ion: 78 Resp: 156853





#35

Methvlcvclohexane

Concen: 0.771 ug/L

RT: 6.17 min Scan# 1580

Delta R.T. -0.00 min

Lab File: VV014474.D

Acq: 01 Feb 2020 00:57

Instrument :

MSVOA_V

ClientSampleId :

GAT49

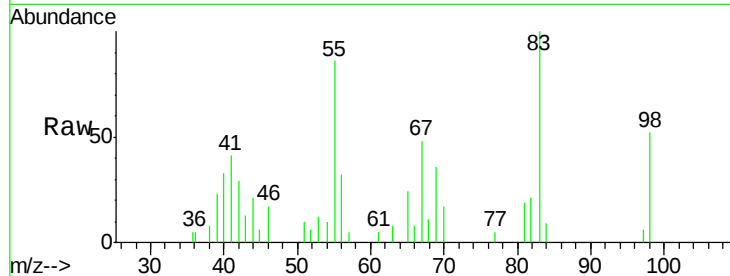
Tot Ion: 83 Resp: 4046

Ion Ratio Lower Upper

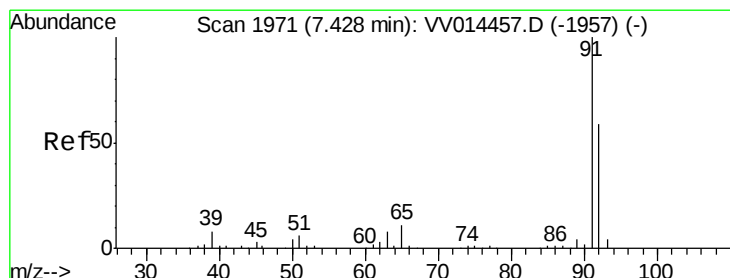
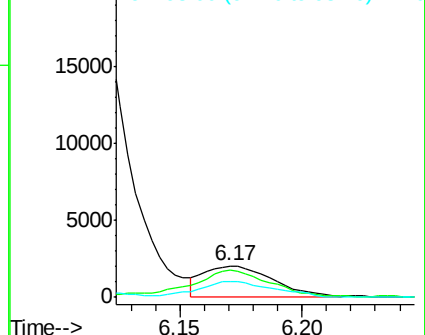
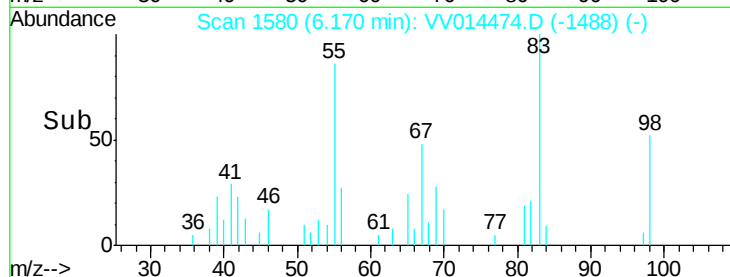
83 100

55 103.1 60.4 90.6#

98 54.3 39.2 58.8



Abundance Ion 83.00 (82.70 to 83.70): VV014474.D (-1488) (-)



#42

Toluene

Concen: 122.626 ug/L

RT: 7.43 min Scan# 1971

Delta R.T. -0.00 min

Lab File: VV014474.D

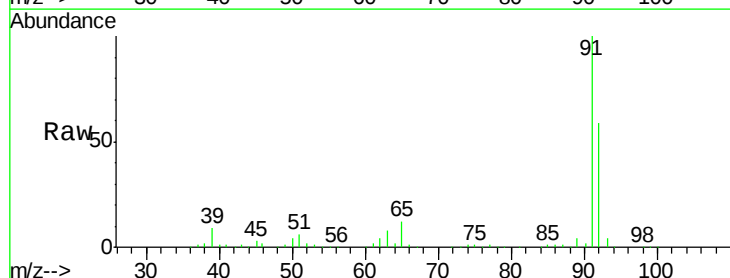
Acq: 01 Feb 2020 00:57

Tgt Ion: 91 Resp: 1604241

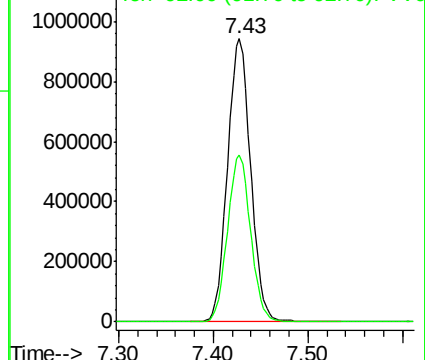
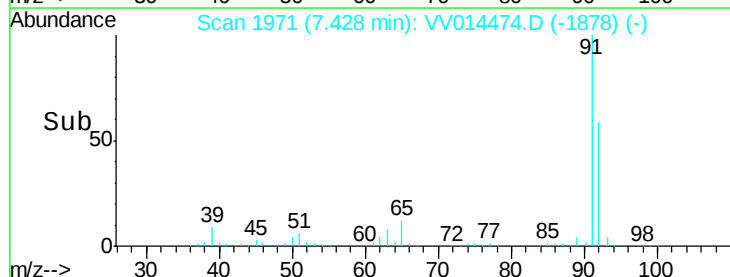
Ion Ratio Lower Upper

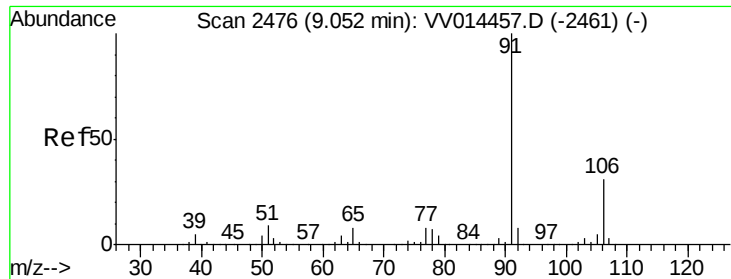
91 100

92 59.1 41.0 76.2



Abundance Ion 91.00 (90.70 to 91.70): VV014474.D (-1878) (-)





#52

Ethylbenzene

Concen: 27.605 ug/L

RT: 9.05 min Scan# 2476

Delta R.T. -0.00 min

Lab File: VV014474.D

Acq: 01 Feb 2020 00:57

Instrument :

MSVOA_V

ClientSampled :

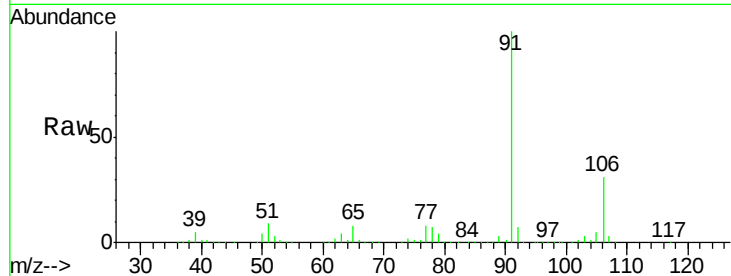
GAT49

Tot Ion: 91 Resp: 405325

Ion Ratio Lower Upper

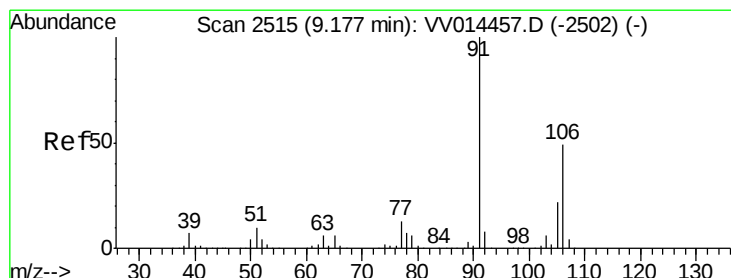
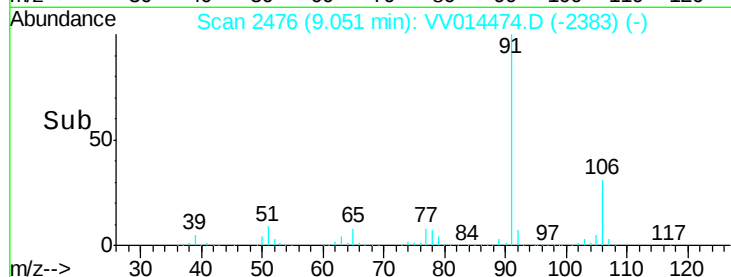
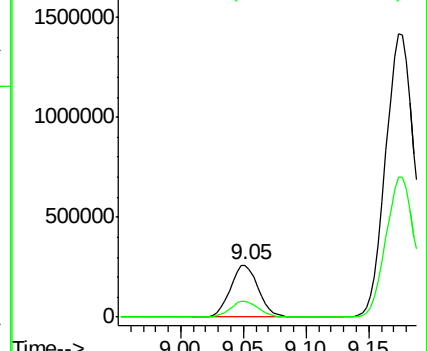
91 100

106 30.7 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: 206.521 ug/L

RT: 9.18 min Scan# 2515

Delta R.T. -0.00 min

Lab File: VV014474.D

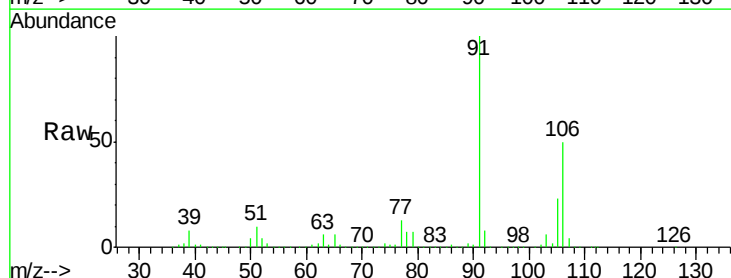
Acq: 01 Feb 2020 00:57

Tgt Ion: 106 Resp: 1132304

Ion Ratio Lower Upper

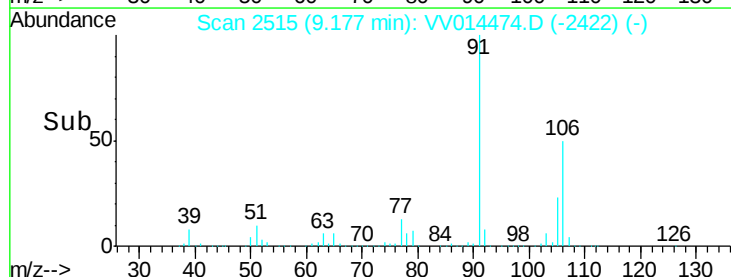
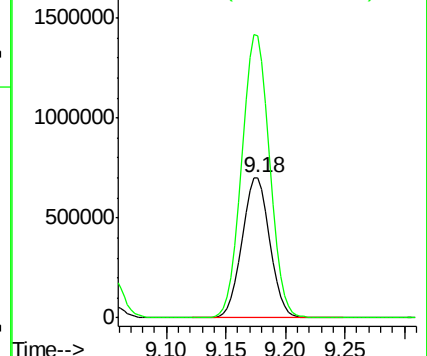
106 100

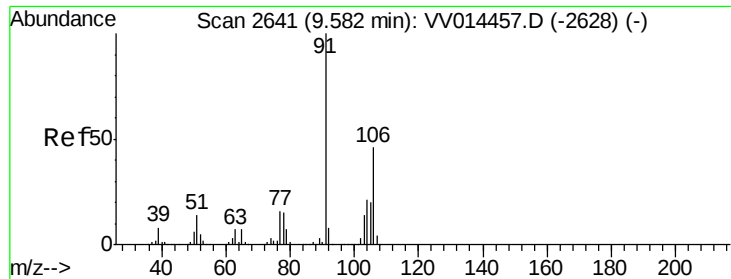
91 200.5 140.9 261.7



Abundance Ion 106.00 (105.70 to 106.70): V

Ion 91.00 (90.70 to 91.70): VV0





#54

o-xylene

Concen: 89.311 ug/L

RT: 9.58 min Scan# 2641

Delta R.T. -0.00 min

Lab File: VV014474.D

Acq: 01 Feb 2020 00:57

Instrument :

MSVOA_V

ClientSampleId :

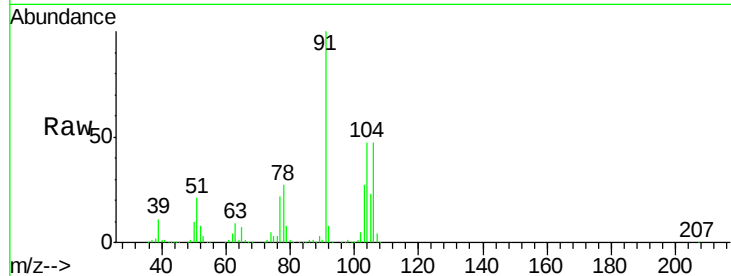
GAT49

Tot Ion:106 Resp: 485200

Ion Ratio Lower Upper

106 100

91 214.6 150.4 279.2



Abundance Ion 106.00 (105.70 to 106.70): V

Ion 91.00 (90.70 to 91.70): VV0

800000

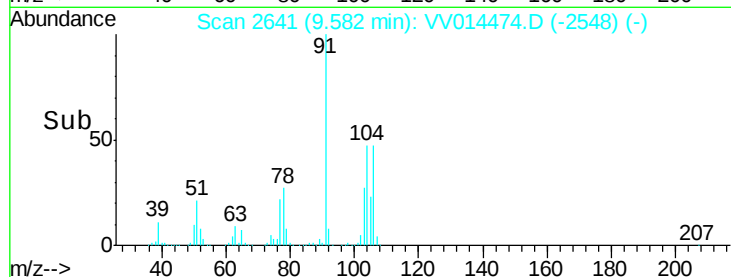
600000

400000

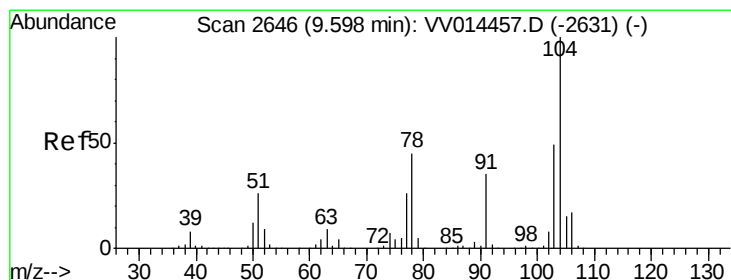
200000

0

9.50 9.55 9.60 9.65



Time-->



#55

Styrene

Concen: 201.744 ug/L

RT: 9.60 min Scan# 2646

Delta R.T. -0.00 min

Lab File: VV014474.D

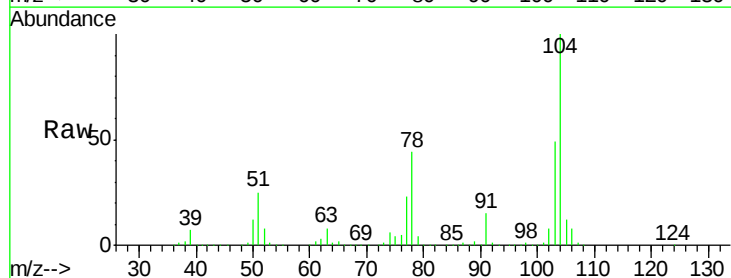
Acq: 01 Feb 2020 00:57

Tgt Ion:104 Resp: 1839410

Ion Ratio Lower Upper

104 100

78 44.4 31.3 58.1



Abundance Ion 104.00 (103.70 to 104.70): V

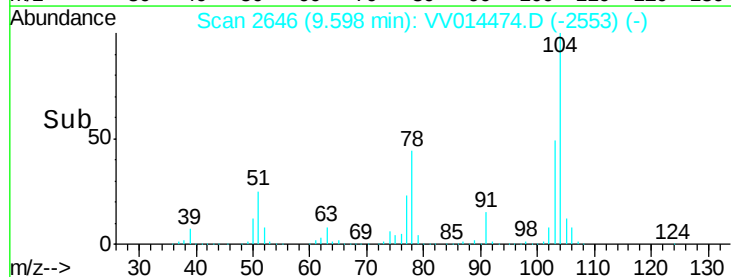
Ion 78.00 (77.70 to 78.70): VV0

1000000

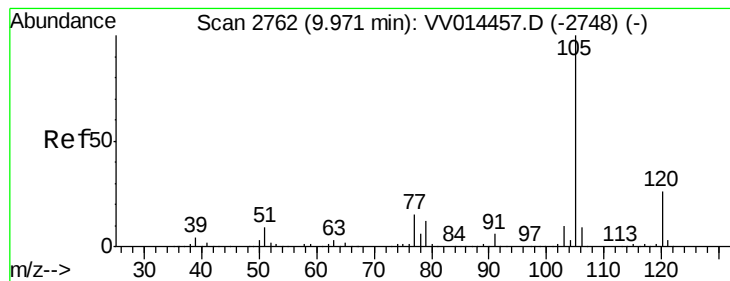
500000

0

9.50 9.60 9.70



Time-->



#56

Isopropylbenzene

Concen: 0.870 ug/L

RT: 9.97 min Scan# 2762

Delta R.T. -0.00 min

Lab File: VV014474.D

Acq: 01 Feb 2020 00:57

Instrument :

MSVOA_V

ClientSampleId :

GAT49

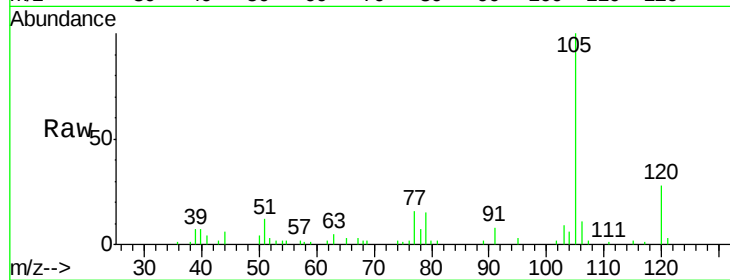
Tot Ion:105 Resp: 12079

Ion Ratio Lower Upper

105 100

120 27.5 21.0 31.6

77 15.5 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): V

