

Data File : VV014500.D
Acq On : 04 Feb 2020 16:42
Operator : SY/MD
Sample : L1324-09
Misc : 5.10g/5.0mL/100uL/5.0mL/MSVOA_V/MEOH
ALS Vial : 9 Sample Multiplier: 1

Instrument :
MSVOA_V
ClientSampleId :
GAT66

Quant Time: Feb 05 01:09:31 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	411933	50.00	ug/L	0.00
28) Chlorobenzene-d5	8.89	117	396259	50.00	ug/L	0.00
60) 1,4-Dichlorobenzene-d4	11.29	152	218446	50.00	ug/L	0.00

System Monitoring Compounds

4) Vinyl Chloride-d3	1.32	65	102883	44.97	ug/L	0.00
Spiked Amount	50.000	Range	60 - 135	Recovery	=	89.94%
7) Chloroethane-d5	1.55	69	34746	24.43	ug/L	-0.04
Spiked Amount	50.000	Range	70 - 130	Recovery	=	48.86%#
11) 1,1-Dichloroethene-d2	2.10	63	98589	32.28	ug/L	-0.03
Spiked Amount	50.000	Range	60 - 125	Recovery	=	64.56%
21) 2-Butanone-d5	3.93	46	164581	106.92	ug/L	0.02
Spiked Amount	100.000	Range	40 - 130	Recovery	=	106.92%
24) Chloroform-d	4.39	84	209909	43.35	ug/L	0.00
Spiked Amount	50.000	Range	70 - 125	Recovery	=	86.70%
26) 1,2-Dichloroethane-d4	5.07	65	138257	47.40	ug/L	0.00
Spiked Amount	50.000	Range	70 - 125	Recovery	=	94.80%
32) Benzene-d6	5.09	84	461301	44.21	ug/L	0.00
Spiked Amount	50.000	Range	70 - 125	Recovery	=	88.42%
36) 1,2-Dichloropropane-d6	6.11	67	146522	44.39	ug/L	0.00
Spiked Amount	50.000	Range	70 - 120	Recovery	=	88.78%
41) Toluene-d8	7.35	98	432255	44.88	ug/L	0.00
Spiked Amount	50.000	Range	80 - 120	Recovery	=	89.76%
43) trans-1,3-Dichloropropene-	7.66	79	76713	45.72	ug/L	0.00
Spiked Amount	50.000	Range	60 - 125	Recovery	=	91.44%
47) 2-Hexanone-d5	8.14	63	153524	118.87	ug/L	0.02
Spiked Amount	100.000	Range	45 - 130	Recovery	=	118.87%
57) 1,1,2,2-Tetrachloroethane-	10.26	84	226421	53.24	ug/L	0.00
Spiked Amount	50.000	Range	65 - 120	Recovery	=	106.48%
64) 1,2-Dichlorobenzene-d4	11.67	152	194392	48.32	ug/L	0.00
Spiked Amount	50.000	Range	80 - 120	Recovery	=	96.64%

Target Compounds

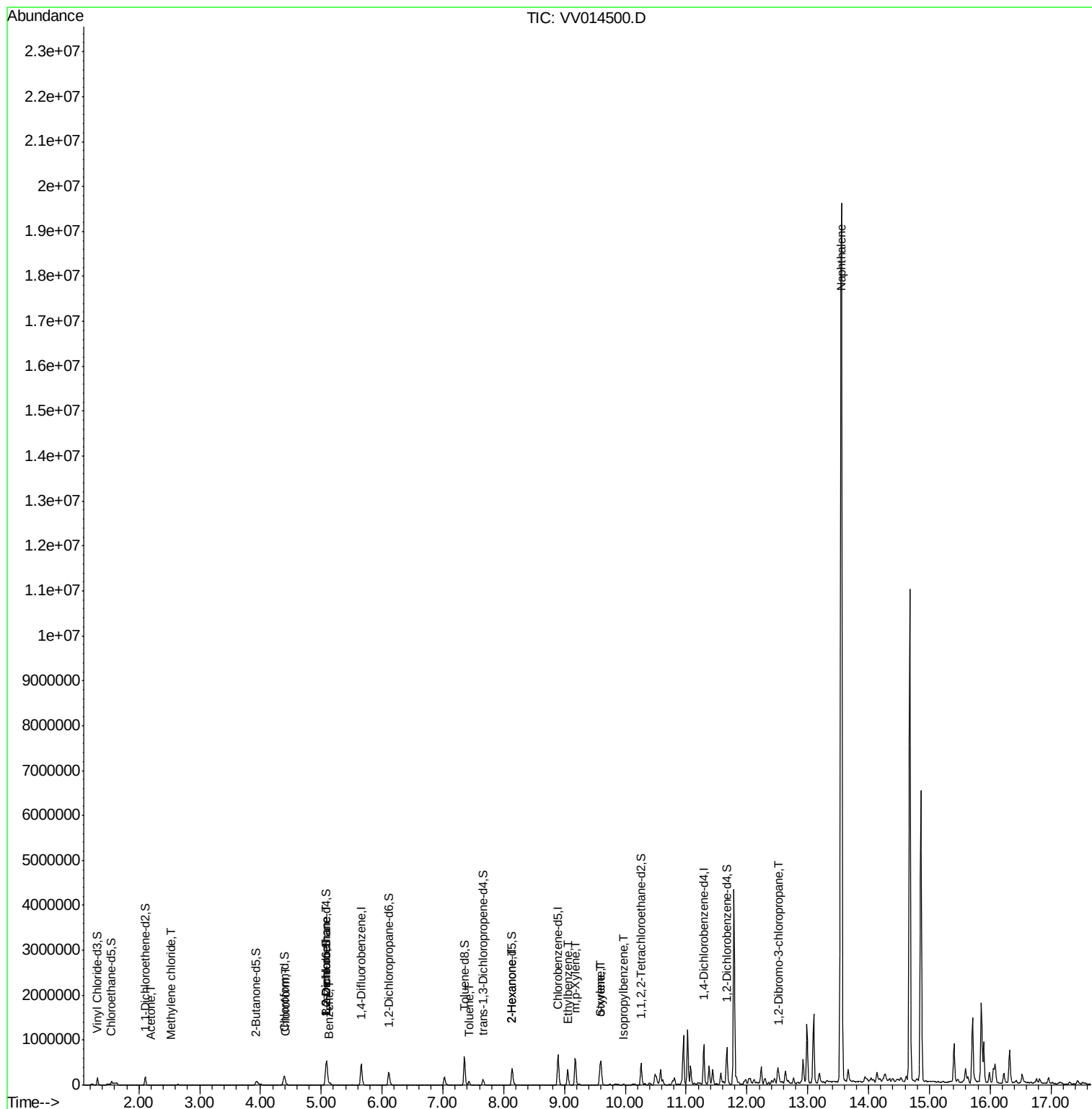
						Qvalue
13) Acetone	2.20	43	2242	1.707	ug/L	64
16) Methylene chloride	2.52	84	2847	0.944	ug/L	95
25) Chloroform	4.42	83	4352	0.871	ug/L	88
27) 1,2-Dichloroethane	5.09	62	2702	0.761	ug/L	95
33) Benzene	5.14	78	34886	2.984	ug/L	100
42) Toluene	7.43	91	62096	5.073	ug/L	98
48) 2-Hexanone	8.14	43	16346	5.916	ug/L #	64
52) Ethylbenzene	9.05	91	257947	18.777	ug/L	99
53) m,p-Xylene	9.18	106	171719	33.476	ug/L	97
54) o-xylene	9.59	106	104763	20.611	ug/L	99
55) Styrene	9.60	104	210190	24.641	ug/L	97
56) Isopropylbenzene	9.97	105	8005	0.616	ug/L	97
66) 1,2-Dibromo-3-chloropropan	12.52	75	3152	2.986	ug/L #	3
69) Naphthalene	13.55	128	15711341	1206.605	ug/L	95

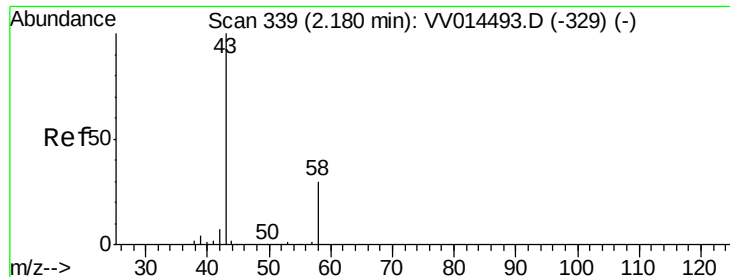
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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#13

Acetone

Concen: 1.707 ug/L

RT: 2.20 min Scan# 346

Delta R.T. 0.02 min

Lab File: VV014500.D

Acq: 04 Feb 2020 16:42

Instrument :

MSVOA_V

ClientSampled :

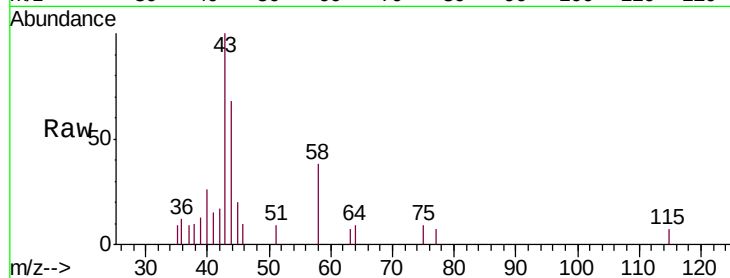
GAT66

Tgt Ion: 43 Resp: 2242

Ion Ratio Lower Upper

43 100

58 50.2 0.0 61.2



Abundance Ion 43.00 (42.70 to 43.70): VV0

Ion 58.00 (57.70 to 58.70): VV0

1500

1000

500

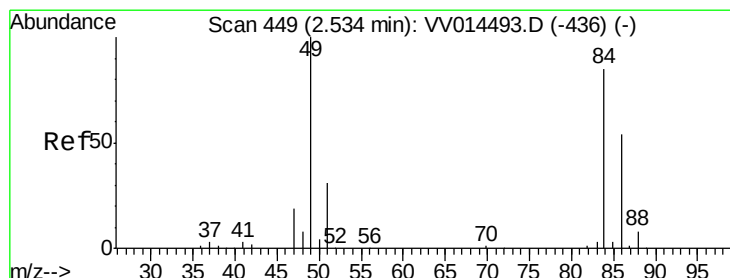
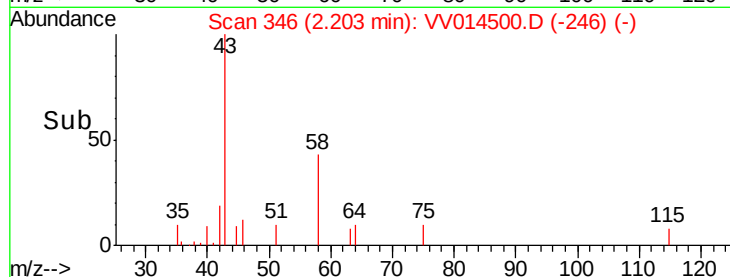
0

2.15

2.20

2.25

Time-->



#16

Methylene chloride

Concen: 0.944 ug/L

RT: 2.52 min Scan# 446

Delta R.T. -0.01 min

Lab File: VV014500.D

Acq: 04 Feb 2020 16:42

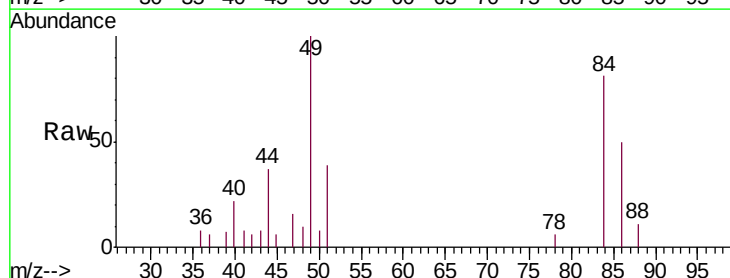
Tgt Ion: 84 Resp: 2847

Ion Ratio Lower Upper

84 100

86 62.0 45.6 84.8

49 124.0 82.7 153.7



Abundance Ion 84.00 (83.70 to 84.70): VV0

Ion 86.00 (85.70 to 86.70): VV0

Ion 49.00 (48.70 to 49.70): VV0

2000

1500

1000

500

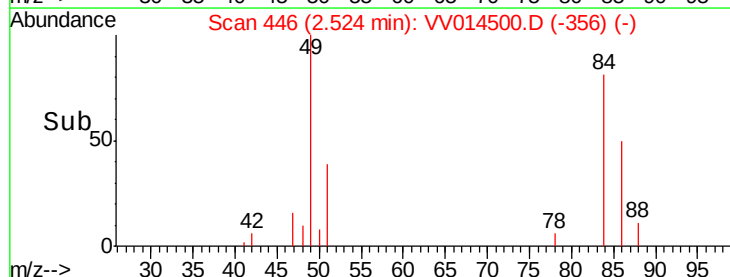
0

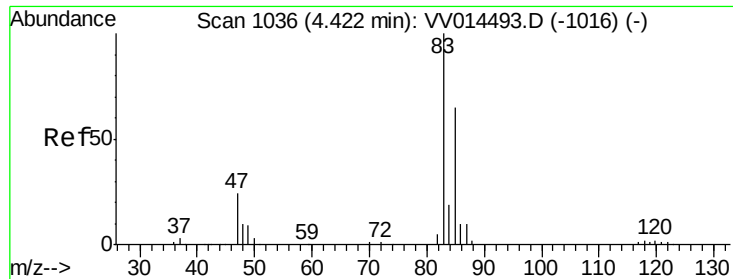
2.50

2.52

2.55

Time-->

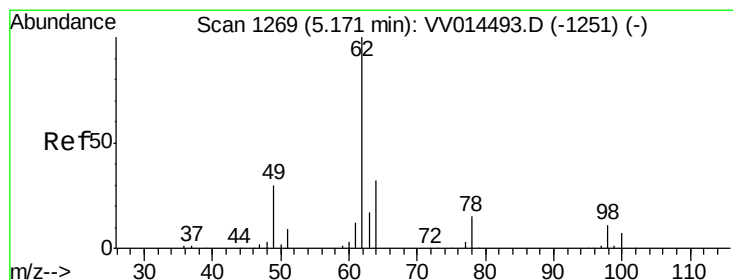
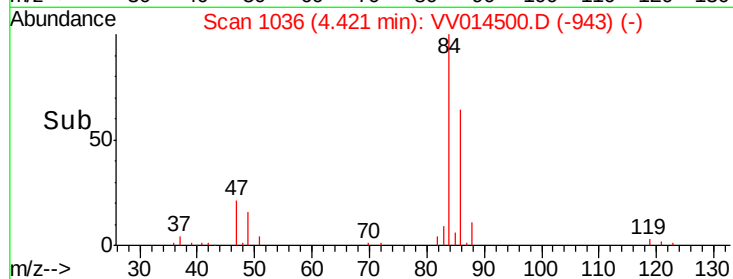
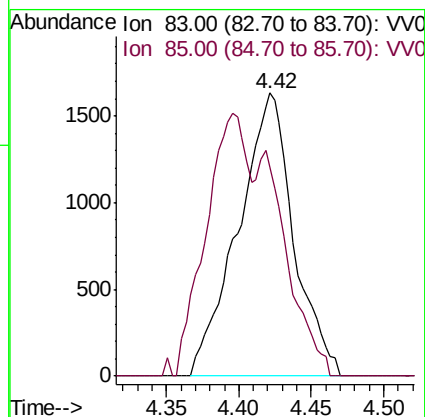
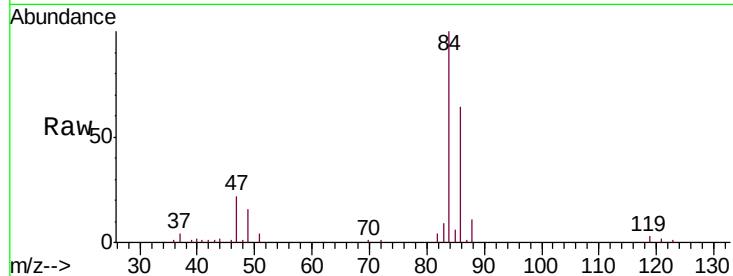




#25
Chloroform
Concen: 0.871 ug/L
RT: 4.42 min Scan# 1036
Delta R.T. -0.00 min
Lab File: VV014500.D
Acq: 04 Feb 2020 16:42

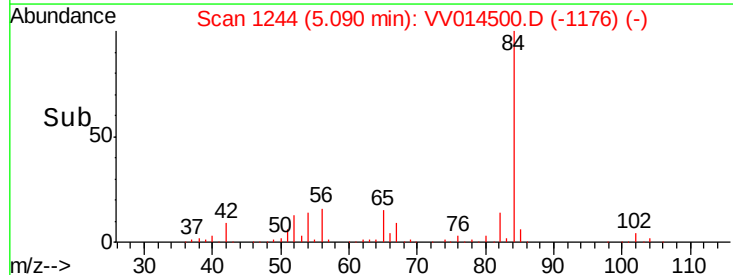
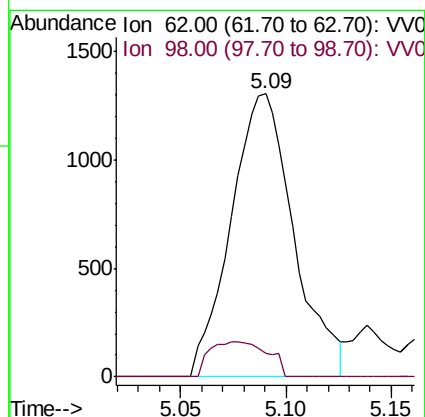
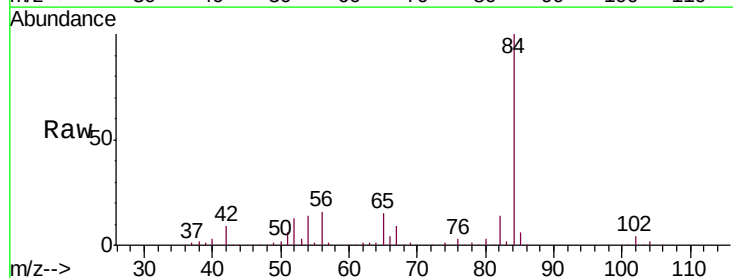
Instrument :
MSVOA_V
ClientSampled :
GAT66

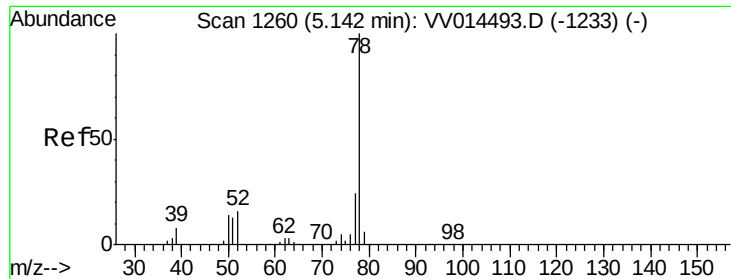
Tgt Ion: 83 Resp: 4352
Ion Ratio Lower Upper
83 100
85 74.1 45.1 83.7



#27
1,2-Dichloroethane
Concen: 0.761 ug/L
RT: 5.09 min Scan# 1244
Delta R.T. -0.08 min
Lab File: VV014500.D
Acq: 04 Feb 2020 16:42

Tgt Ion: 62 Resp: 2702
Ion Ratio Lower Upper
62 100
98 8.1 8.0 12.0





#33

Benzene

Concen: 2.984 ug/L

RT: 5.14 min Scan# 1260

Delta R.T. -0.00 min

Lab File: VV014500.D

Acq: 04 Feb 2020 16:42

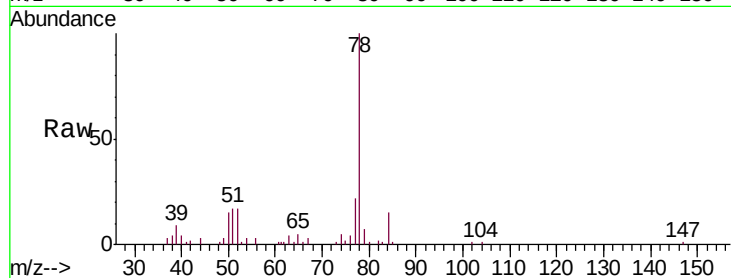
Instrument :

MSVOA_V

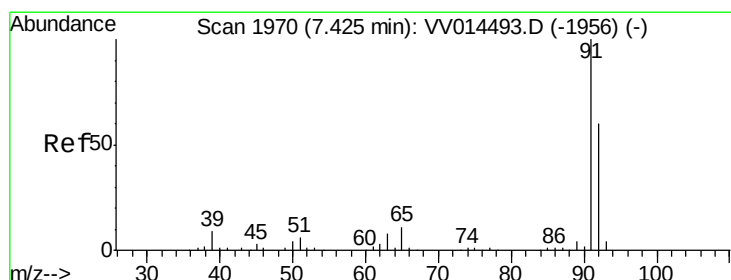
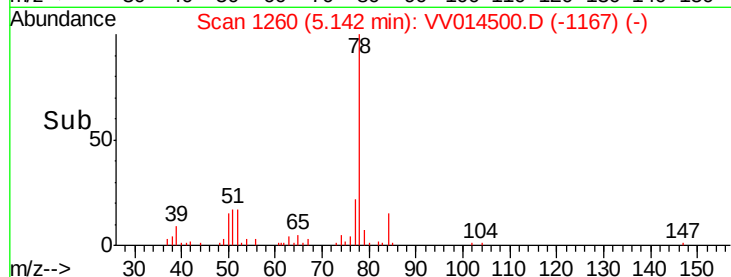
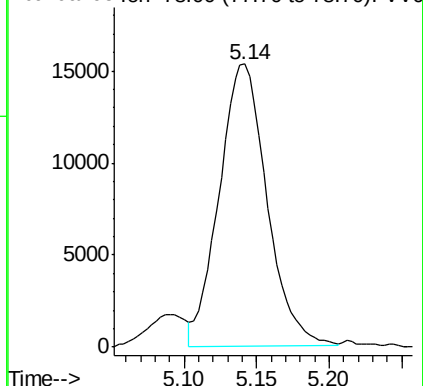
ClientSampleId :

GAT66

Tgt Ion: 78 Resp: 34886



Abundance Ion 78.00 (77.70 to 78.70): VV0



#42

Toluene

Concen: 5.073 ug/L

RT: 7.43 min Scan# 1971

Delta R.T. 0.00 min

Lab File: VV014500.D

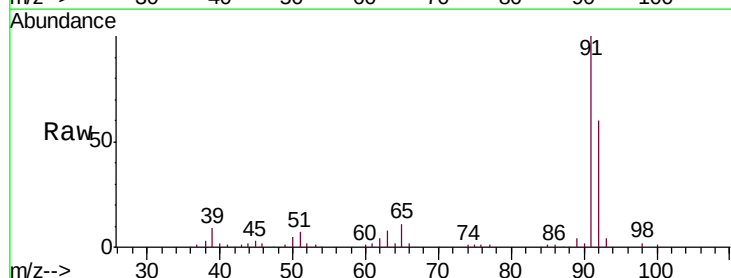
Acq: 04 Feb 2020 16:42

Tgt Ion: 91 Resp: 62096

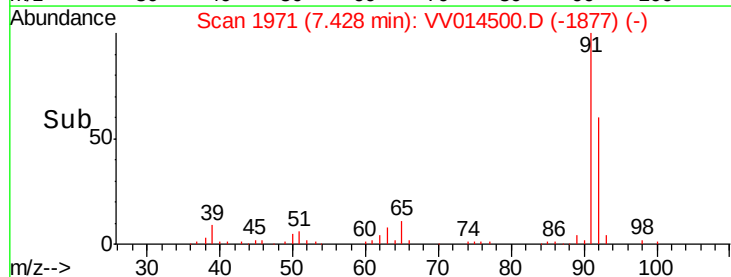
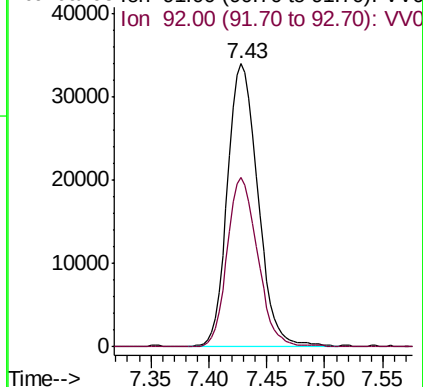
Ion Ratio Lower Upper

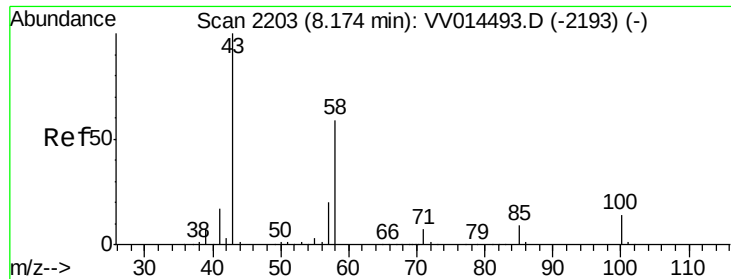
91 100

92 60.0 41.0 76.2



Abundance Ion 91.00 (90.70 to 91.70): VV0

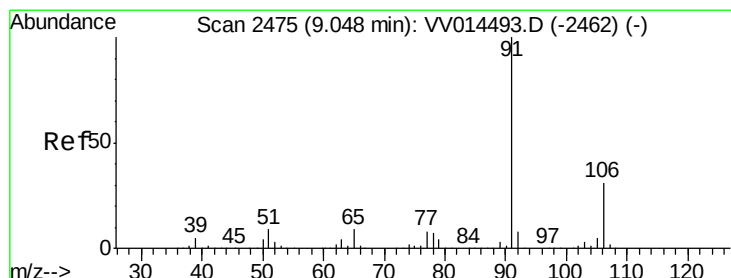
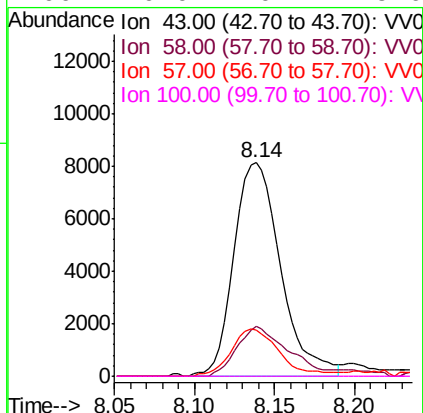
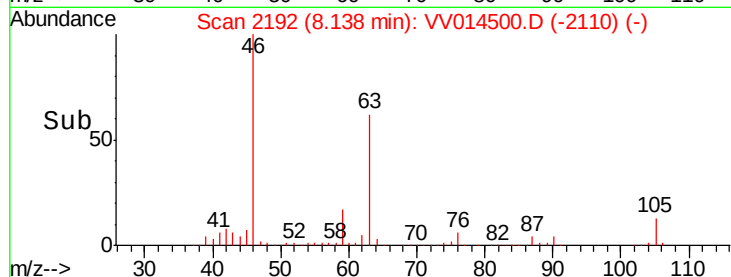
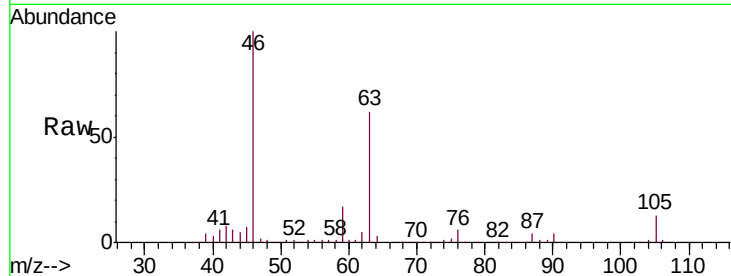




#48
2-Hexanone
Concen: 5.916 ug/L
RT: 8.14 min Scan# 2192
Delta R.T. -0.04 min
Lab File: VV014500.D
Acq: 04 Feb 2020 16:42

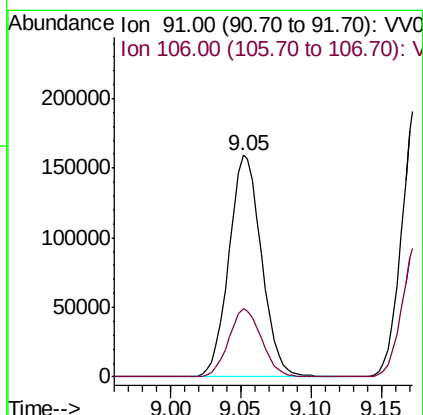
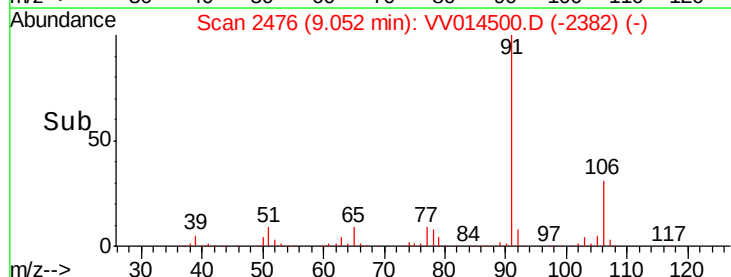
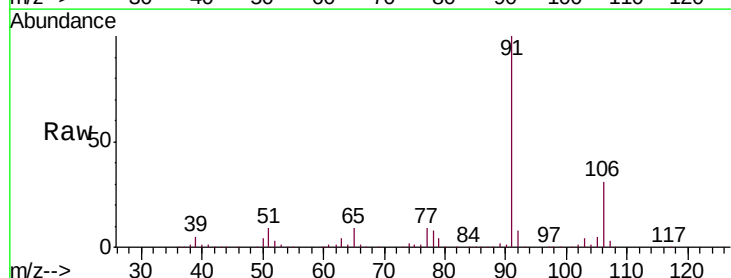
Instrument :
MSVOA_V
ClientSampleId :
GAT66

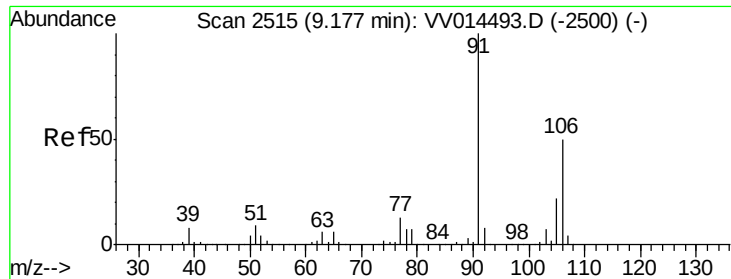
Tgt Ion: 43 Resp: 16346
Ion Ratio Lower Upper
43 100
58 25.3 48.0 72.0#
57 22.8 15.0 22.6#
100 0.0 10.4 15.6#



#52
Ethylbenzene
Concen: 18.777 ug/L
RT: 9.05 min Scan# 2476
Delta R.T. 0.00 min
Lab File: VV014500.D
Acq: 04 Feb 2020 16:42

Tgt Ion: 91 Resp: 257947
Ion Ratio Lower Upper
91 100
106 30.6 21.8 40.6





#53

m,p-Xylene

Concen: 33.476 ug/L

RT: 9.18 min Scan# 2515

Delta R.T. -0.00 min

Lab File: VV014500.D

Acq: 04 Feb 2020 16:42

Instrument :

MSVOA_V

ClientSampleId :

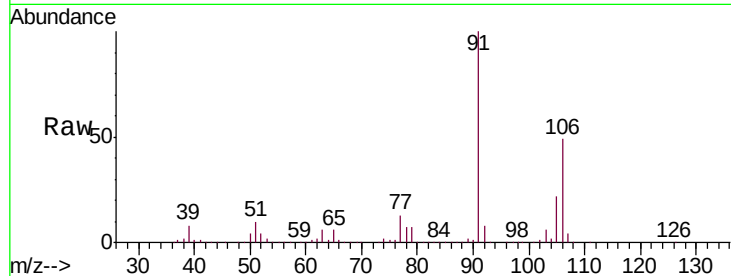
GAT66

Tgt Ion:106 Resp: 171719

Ion Ratio Lower Upper

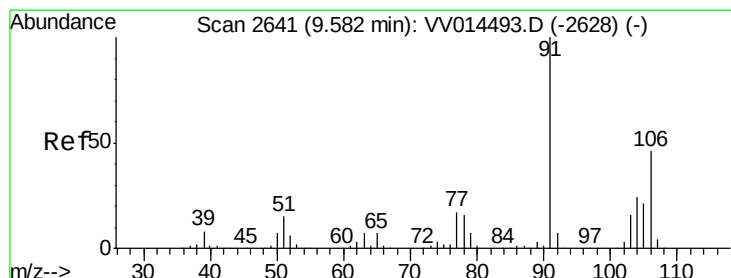
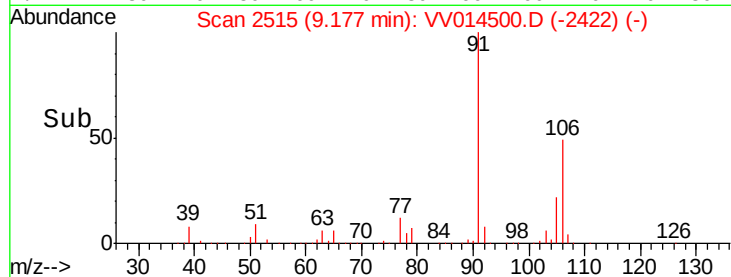
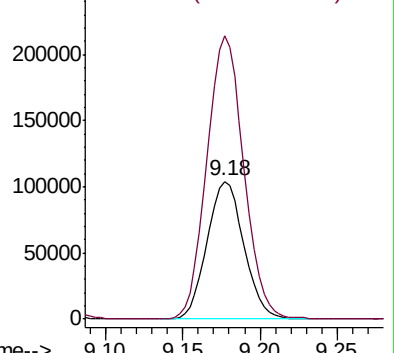
106 100

91 205.4 140.9 261.7



Abundance Ion 106.00 (105.70 to 106.70): V

Ion 91.00 (90.70 to 91.70): VV0



#54

o-xylene

Concen: 20.611 ug/L

RT: 9.59 min Scan# 2642

Delta R.T. 0.00 min

Lab File: VV014500.D

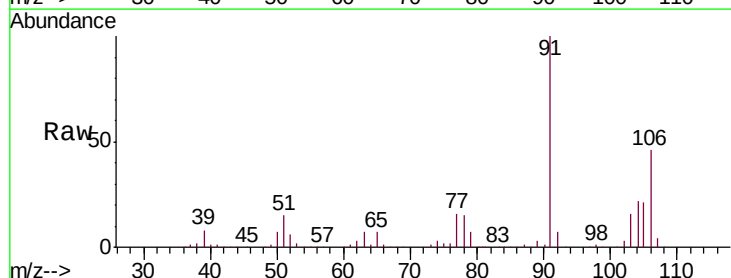
Acq: 04 Feb 2020 16:42

Tgt Ion:106 Resp: 104763

Ion Ratio Lower Upper

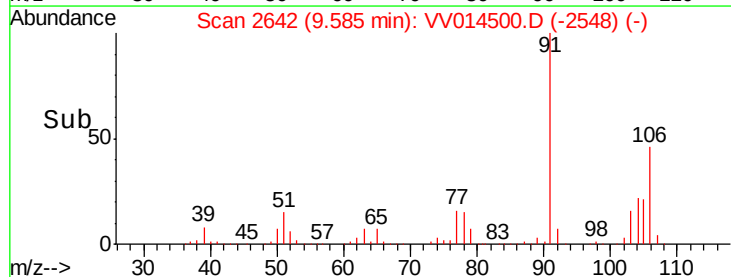
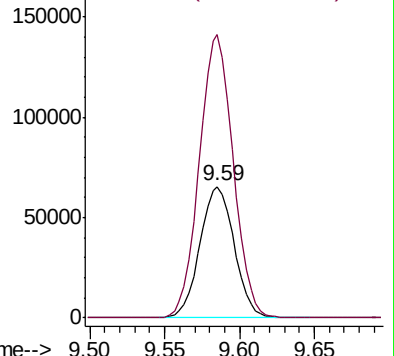
106 100

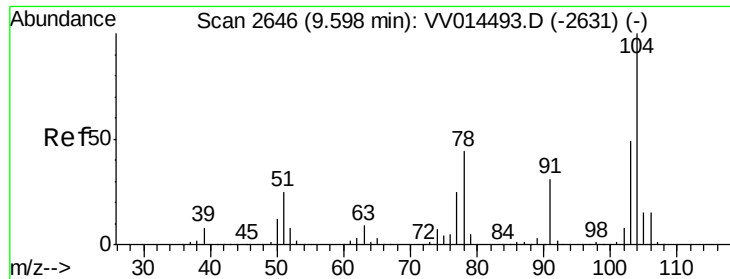
91 215.9 150.4 279.2



Abundance Ion 106.00 (105.70 to 106.70): V

Ion 91.00 (90.70 to 91.70): VV0





#55

Styrene

Concen: 24.641 ug/L

RT: 9.60 min Scan# 2648

Delta R.T. 0.01 min

Lab File: VV014500.D

Acq: 04 Feb 2020 16:42

Instrument :

MSVOA_V

ClientSampleId :

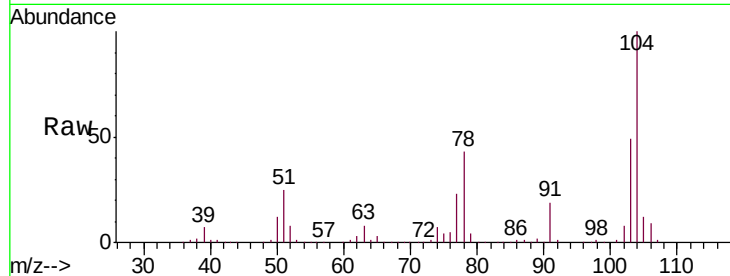
GAT66

Tgt Ion:104 Resp: 210190

Ion Ratio Lower Upper

104 100

78 43.0 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

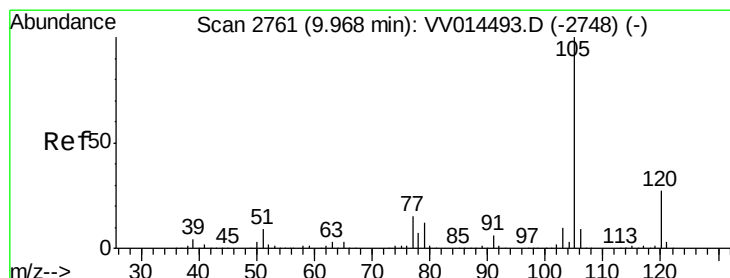
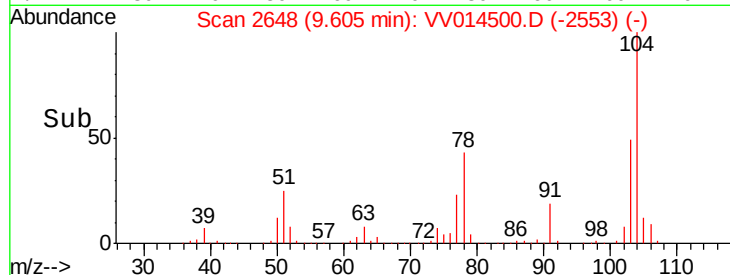
150000

100000

50000

0

Time--> 9.50 9.55 9.60 9.65 9.70



#56

Isopropylbenzene

Concen: 0.616 ug/L

RT: 9.97 min Scan# 2763

Delta R.T. 0.01 min

Lab File: VV014500.D

Acq: 04 Feb 2020 16:42

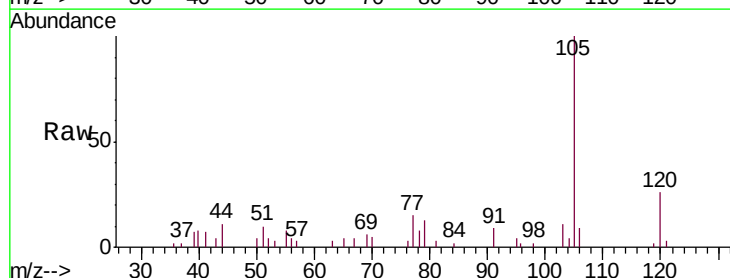
Tgt Ion:105 Resp: 8005

Ion Ratio Lower Upper

105 100

120 26.7 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

9.97

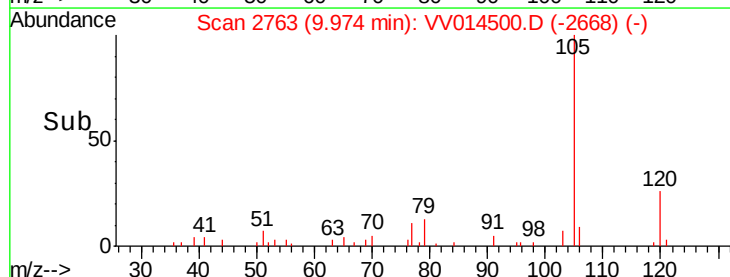
6000

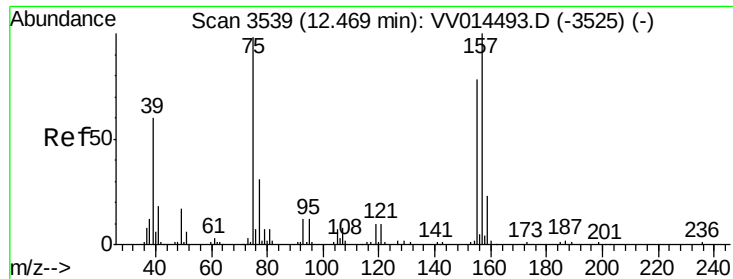
4000

2000

0

Time--> 9.95 10.00





#66

1,2-Dibromo-3-chloropropane

Concen: 2.986 ug/L

RT: 12.52 min Scan# 3556

Delta R.T. 0.05 min

Lab File: VV014500.D

Acq: 04 Feb 2020 16:42

Instrument :

MSVOA_V

ClientSampleId :

GAT66

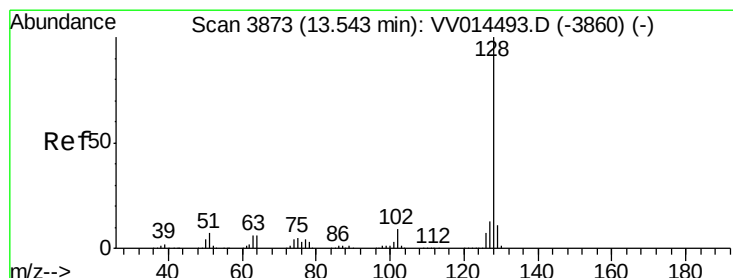
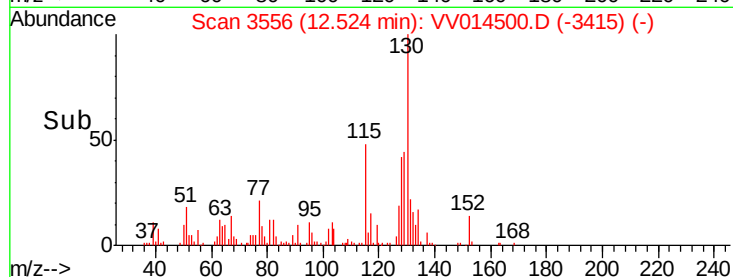
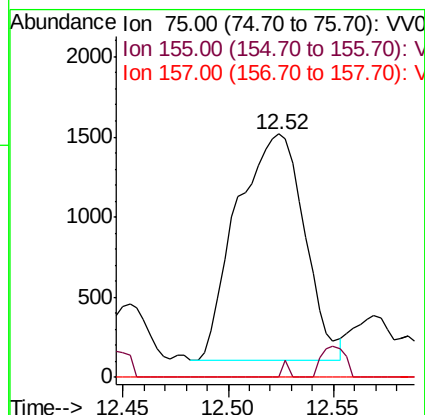
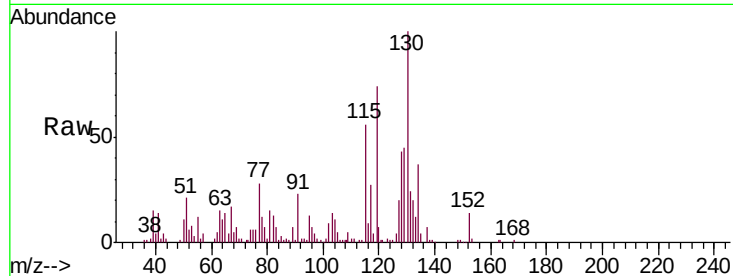
Tgt Ion: 75 Resp: 3152

Ion Ratio Lower Upper

75 100

155 0.0 64.2 96.2#

157 0.0 83.4 125.2#



#69

Naphthalene

Concen: 1206.605 ug/L

RT: 13.55 min Scan# 3876

Delta R.T. 0.01 min

Lab File: VV014500.D

Acq: 04 Feb 2020 16:42

Tgt Ion: 128 Resp: 15711341

Ion Ratio Lower Upper

128 100

127 15.0 10.2 15.4

129 12.8 8.6 13.0

