

Data File : VV014465.D
Acq On : 31 Jan 2020 21:23
Operator : SY/MD
Sample : L1324-16 40X
Misc : 5.04g/5.0mL/100uL/5.0mL/MSVOA_V/MEOH
ALS Vial : 20 Sample Multiplier: 1

Instrument :
MSVOA_V
ClientSampleId :
GAT71

Quant Time: Feb 01 02:41:25 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	418787	50.00	ug/L	0.00
28) Chlorobenzene-d5	8.89	117	387102	50.00	ug/L	0.00
60) 1,4-Dichlorobenzene-d4	11.29	152	187958	50.00	ug/L	0.00

System Monitoring Compounds

4) Vinyl Chloride-d3	1.32	65	95270	40.96	ug/L	0.00
Spiked Amount	50.000	Range	60 - 135	Recovery	=	81.92%
7) Chloroethane-d5	1.58	69	70256	48.58	ug/L	0.01
Spiked Amount	50.000	Range	70 - 130	Recovery	=	97.16%
11) 1,1-Dichloroethene-d2	2.13	63	112530	36.24	ug/L	0.00
Spiked Amount	50.000	Range	60 - 125	Recovery	=	72.48%
21) 2-Butanone-d5	3.92	46	169819	108.51	ug/L	0.00
Spiked Amount	100.000	Range	40 - 130	Recovery	=	108.51%
24) Chloroform-d	4.40	84	229502	46.62	ug/L	0.00
Spiked Amount	50.000	Range	70 - 125	Recovery	=	93.24%
26) 1,2-Dichloroethane-d4	5.08	65	150743	50.84	ug/L	0.00
Spiked Amount	50.000	Range	70 - 125	Recovery	=	101.68%
32) Benzene-d6	5.10	84	488716	47.95	ug/L	0.00
Spiked Amount	50.000	Range	70 - 125	Recovery	=	95.90%
36) 1,2-Dichloropropane-d6	6.12	67	158020	49.00	ug/L	0.00
Spiked Amount	50.000	Range	70 - 120	Recovery	=	98.00%
41) Toluene-d8	7.36	98	449399	47.76	ug/L	0.00
Spiked Amount	50.000	Range	80 - 120	Recovery	=	95.52%
43) trans-1,3-Dichloropropene-	7.66	79	81006	49.42	ug/L	0.00
Spiked Amount	50.000	Range	60 - 125	Recovery	=	98.84%
47) 2-Hexanone-d5	8.13	63	145957	115.68	ug/L	0.00
Spiked Amount	100.000	Range	45 - 130	Recovery	=	115.68%
57) 1,1,2,2-Tetrachloroethane-	10.25	84	203902	49.08	ug/L	0.00
Spiked Amount	50.000	Range	65 - 120	Recovery	=	98.16%
64) 1,2-Dichlorobenzene-d4	11.67	152	168904	48.79	ug/L	0.00
Spiked Amount	50.000	Range	80 - 120	Recovery	=	97.58%

Target Compounds

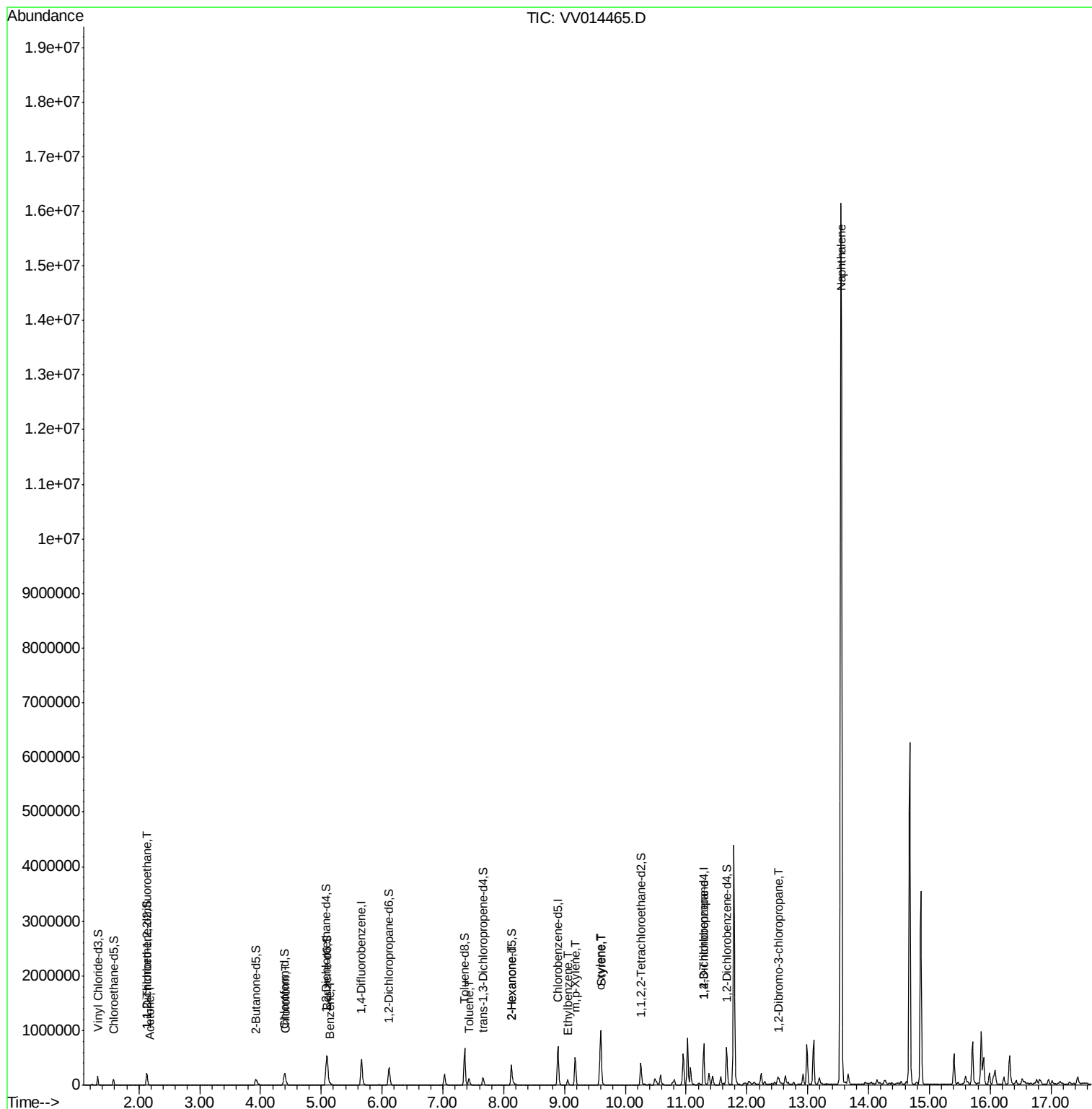
						Qvalue
10) 1,1,2-Trichloro-1,2,2-trif	2.14	101	1235	0.779	ug/L #	23
13) Acetone	2.19	43	2403	1.800	ug/L	79
25) Chloroform	4.42	83	4423	0.871	ug/L	86
33) Benzene	5.15	78	22627	1.981	ug/L	100
42) Toluene	7.43	91	88170	7.374	ug/L	97
48) 2-Hexanone	8.13	43	15792	5.850	ug/L #	63
52) Ethylbenzene	9.05	91	69089	5.148	ug/L	97
53) m,p-Xylene	9.18	106	144841	28.904	ug/L	99
54) o-xylene	9.58	106	100763	20.293	ug/L	99
55) Styrene	9.60	104	427208	51.267	ug/L	100
59) 1,2,3-Trichloropropane	11.29	75	22986	6.814	ug/L	90
66) 1,2-Dibromo-3-chloropropan	12.52	75	3166	3.485	ug/L #	3
69) Naphthalene	13.55	128	12830158	1145.162	ug/L	96

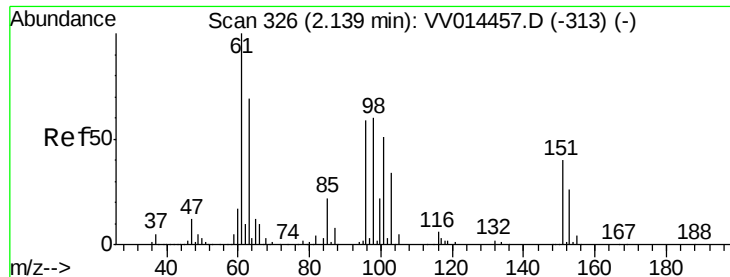
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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Response via : Initial Calibration





#10

1,1,2-Trichloro-1,2,2-trifluoroethane

Concen: 0.779 ug/L

RT: 2.14 min Scan# 325

Delta R.T. -0.00 min

Lab File: VV014465.D

Acq: 31 Jan 2020 21:23

Instrument :

MSVOA_V

ClientSampled :

GAT71

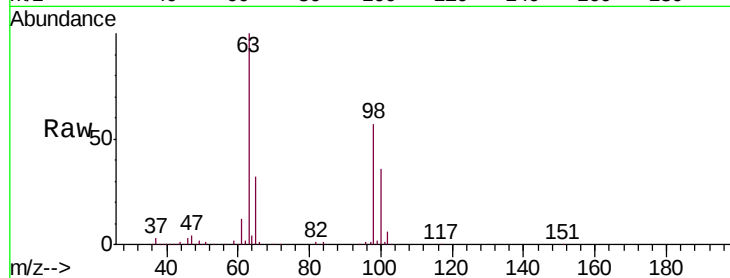
Tgt Ion: 101 Resp: 1235

Ion Ratio Lower Upper

101 100

85 0.0 34.6 51.8#

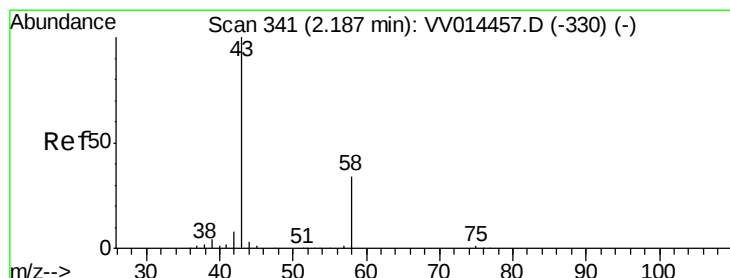
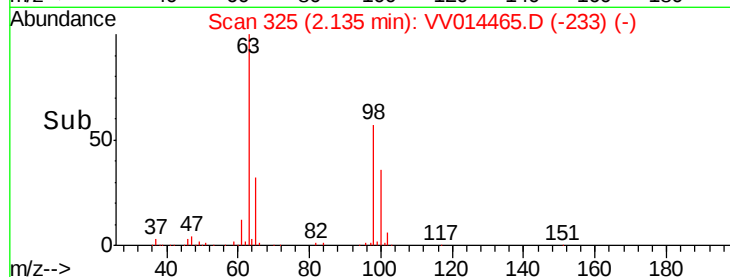
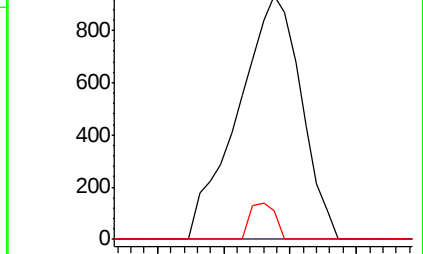
151 6.0 61.2 91.8#



Abundance Ion 101.00 (100.70 to 101.70): V

Ion 85.00 (84.70 to 85.70): VV0

Ion 151.00 (150.70 to 151.70): V



#13

Acetone

Concen: 1.800 ug/L

RT: 2.19 min Scan# 342

Delta R.T. 0.00 min

Lab File: VV014465.D

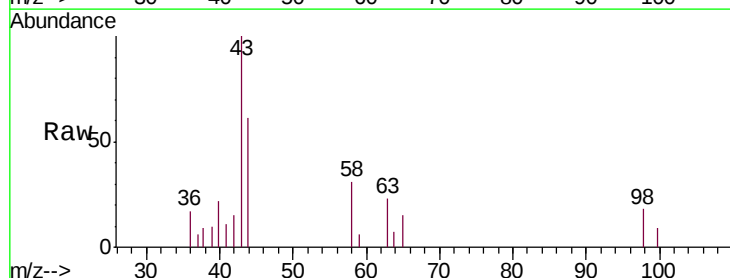
Acq: 31 Jan 2020 21:23

Tgt Ion: 43 Resp: 2403

Ion Ratio Lower Upper

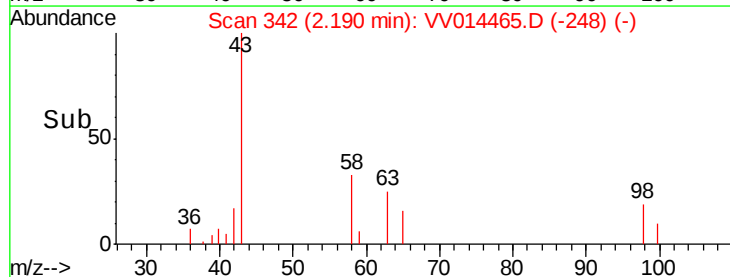
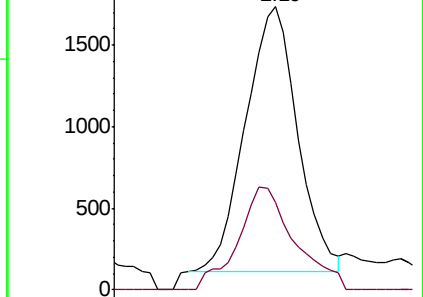
43 100

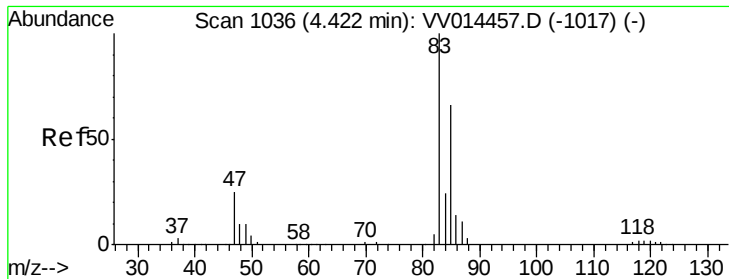
58 42.1 0.0 61.2



Abundance Ion 43.00 (42.70 to 43.70): VV0

Ion 58.00 (57.70 to 58.70): VV0

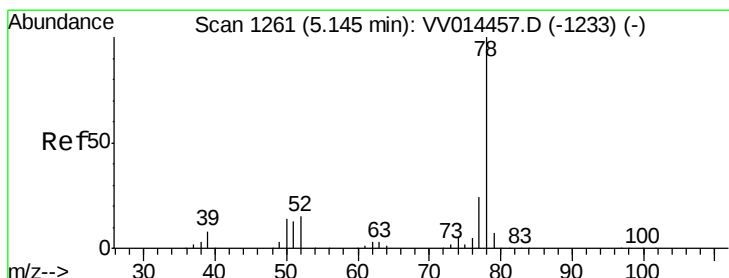
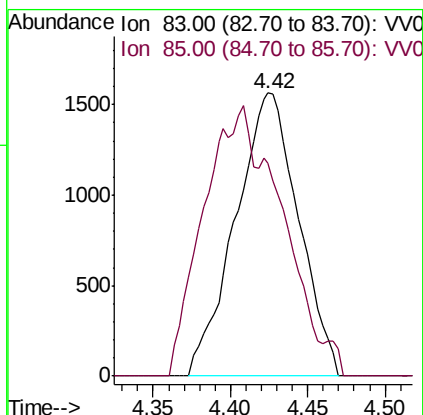
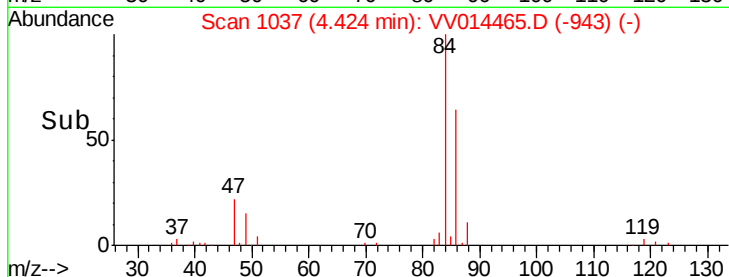
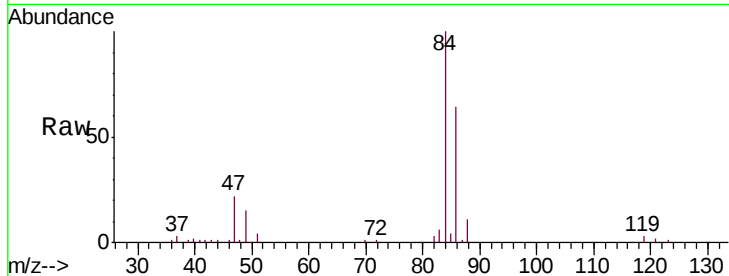




#25
Chloroform
Concen: 0.871 ug/L
RT: 4.42 min Scan# 1037
Delta R.T. 0.00 min
Lab File: VV014465.D
Acq: 31 Jan 2020 21:23

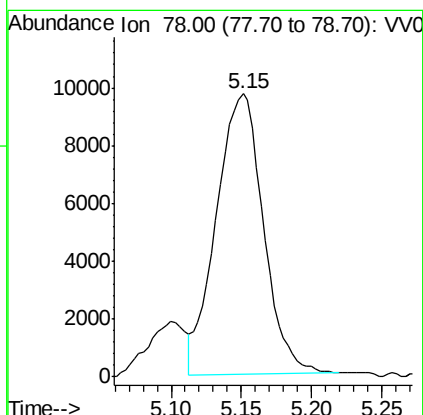
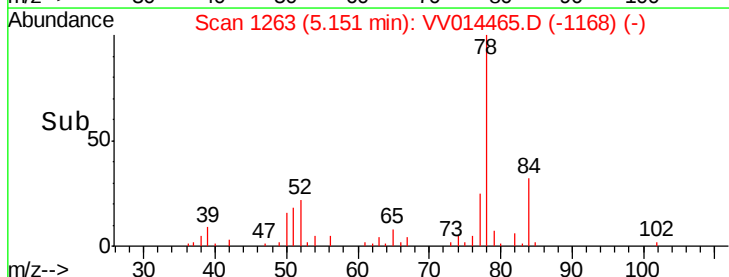
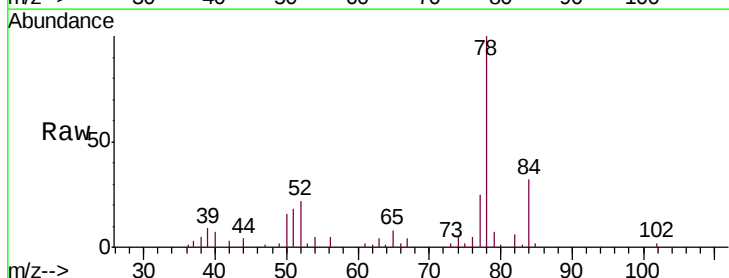
Instrument :
MSVOA_V
ClientSampleId :
GAT71

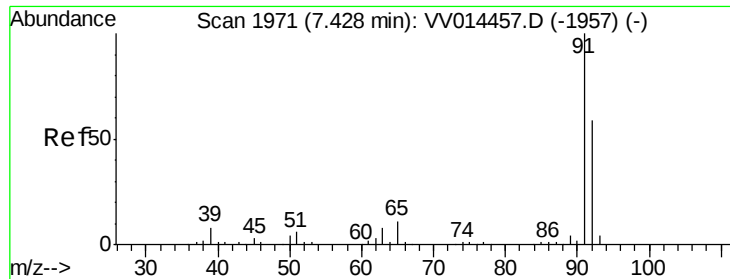
Tgt Ion: 83 Resp: 4423
Ion Ratio Lower Upper
83 100
85 75.2 45.1 83.7



#33
Benzene
Concen: 1.981 ug/L
RT: 5.15 min Scan# 1263
Delta R.T. 0.01 min
Lab File: VV014465.D
Acq: 31 Jan 2020 21:23

Tgt Ion: 78 Resp: 22627





#42

Toluene

Concen: 7.374 ug/L

RT: 7.43 min Scan# 1971

Delta R.T. -0.00 min

Lab File: VV014465.D

Acq: 31 Jan 2020 21:23

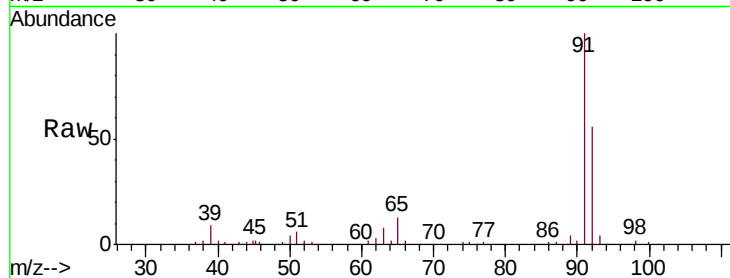
Instrument :
MSVOA_V
ClientSampleId :
GAT71

Tgt Ion: 91 Resp: 88170

Ion Ratio Lower Upper

91 100

92 56.1 41.0 76.2



Abundance Ion 91.00 (90.70 to 91.70): VV014457.D (-1957) (-)

Ion 92.00 (91.70 to 92.70): VV014457.D (-1957) (-)

60000

50000

40000

30000

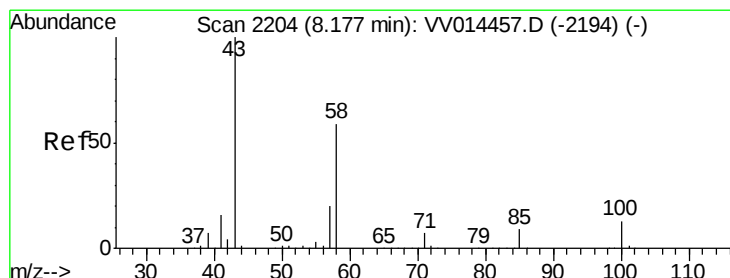
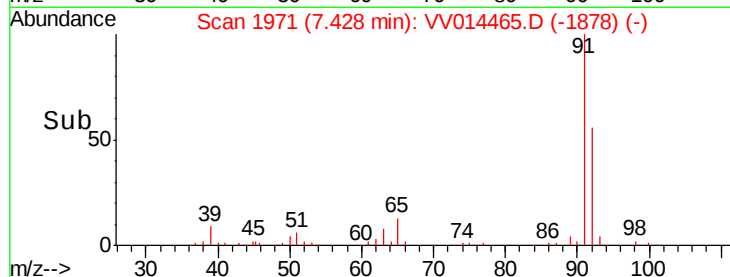
20000

10000

0

7.35 7.40 7.45 7.50

Time-->



#48

2-Hexanone

Concen: 5.850 ug/L

RT: 8.13 min Scan# 2188

Delta R.T. -0.05 min

Lab File: VV014465.D

Acq: 31 Jan 2020 21:23

Tgt Ion: 43 Resp: 15792

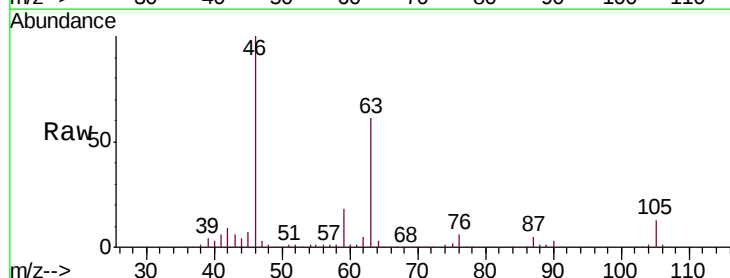
Ion Ratio Lower Upper

43 100

58 23.3 48.0 72.0#

57 20.9 15.0 22.6

100 0.0 10.4 15.6#



Abundance Ion 43.00 (42.70 to 43.70): VV014457.D (-2194) (-)

Ion 58.00 (57.70 to 58.70): VV014457.D (-2194) (-)

Ion 57.00 (56.70 to 57.70): VV014457.D (-2194) (-)

Ion 100.00 (99.70 to 100.70): VV014457.D (-2194) (-)

12000

10000

8000

6000

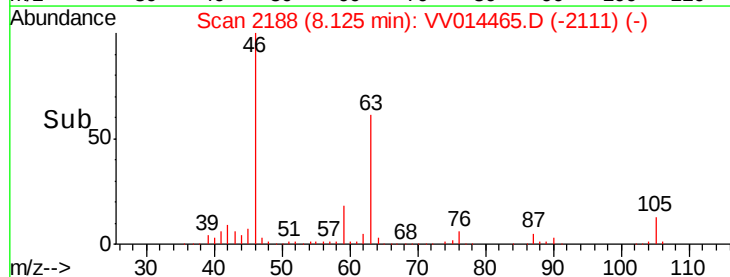
4000

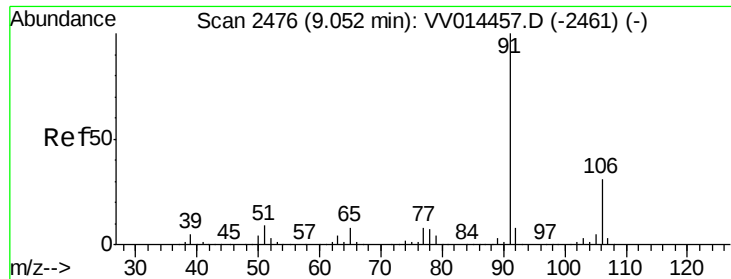
2000

0

8.05 8.10 8.15 8.20

Time-->





#52

Ethylbenzene

Concen: 5.148 ug/L

RT: 9.05 min Scan# 2476

Delta R.T. -0.00 min

Lab File: VV014465.D

Acq: 31 Jan 2020 21:23

Instrument :

MSVOA_V

ClientSampleId :

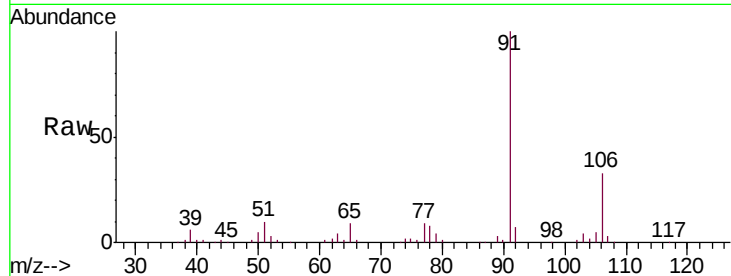
GAT71

Tgt Ion: 91 Resp: 69089

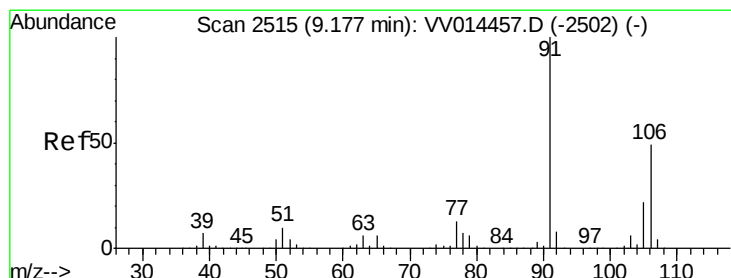
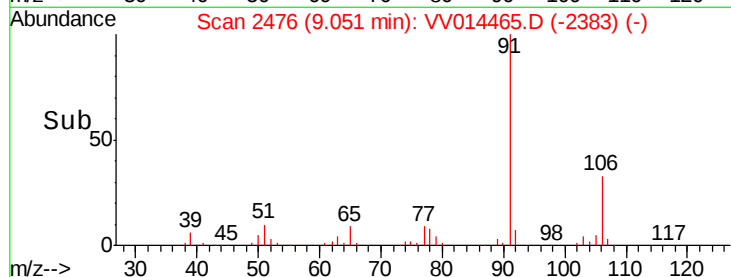
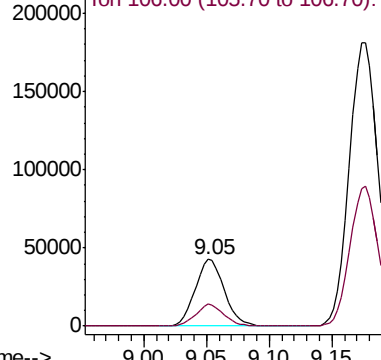
Ion Ratio Lower Upper

91 100

106 32.7 21.8 40.6



Abundance Ion 91.00 (90.70 to 91.70): VV014457.D (-2461) (-)



#53

m,p-Xylene

Concen: 28.904 ug/L

RT: 9.18 min Scan# 2515

Delta R.T. -0.00 min

Lab File: VV014465.D

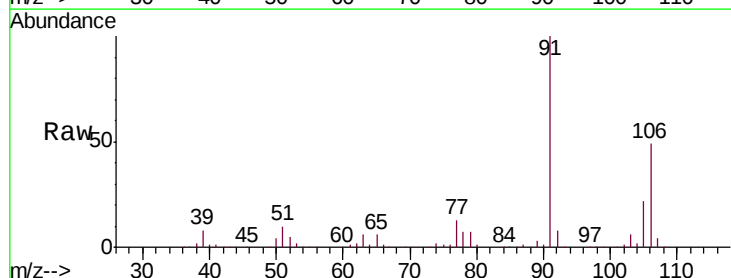
Acq: 31 Jan 2020 21:23

Tgt Ion: 106 Resp: 144841

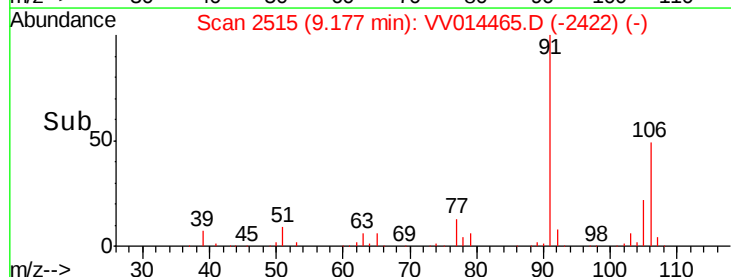
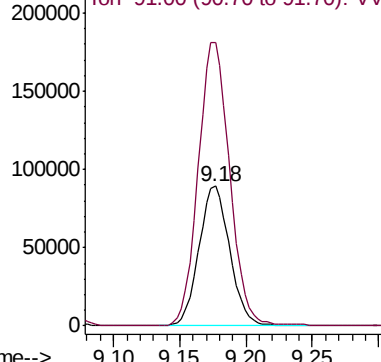
Ion Ratio Lower Upper

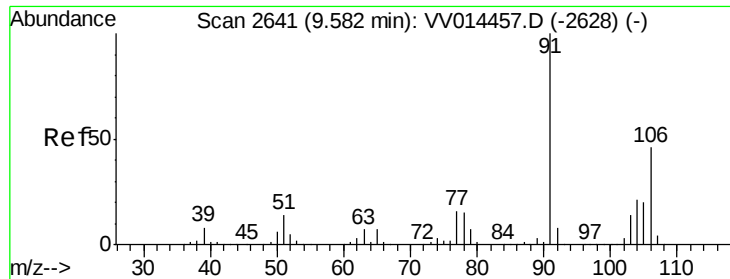
106 100

91 202.8 140.9 261.7



Abundance Ion 106.00 (105.70 to 106.70): VV014457.D (-2502) (-)





#54

o-xylene

Concen: 20.293 ug/L

RT: 9.58 min Scan# 2641

Delta R.T. -0.00 min

Lab File: VV014465.D

Acq: 31 Jan 2020 21:23

Instrument :

MSVOA_V

ClientSampleId :

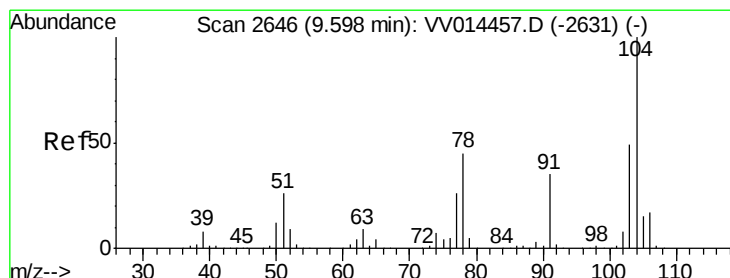
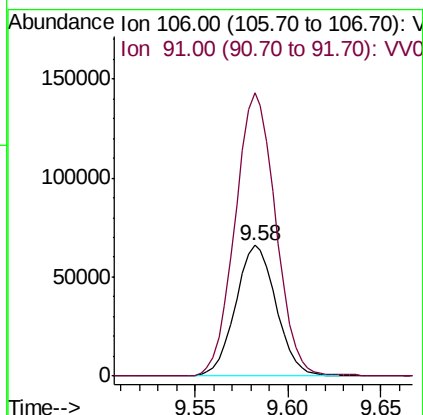
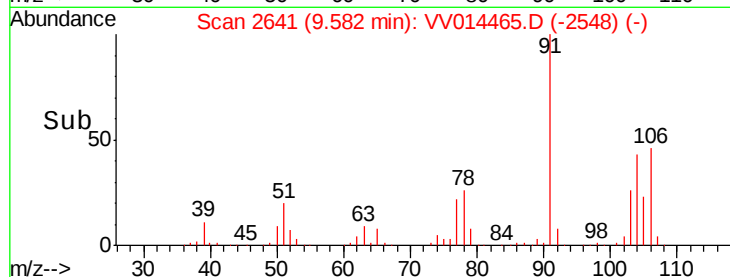
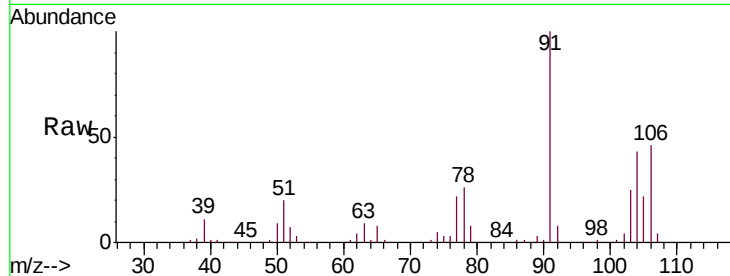
GAT71

Tgt Ion:106 Resp: 100763

Ion Ratio Lower Upper

106 100

91 216.1 150.4 279.2



#55

Styrene

Concen: 51.267 ug/L

RT: 9.60 min Scan# 2646

Delta R.T. -0.00 min

Lab File: VV014465.D

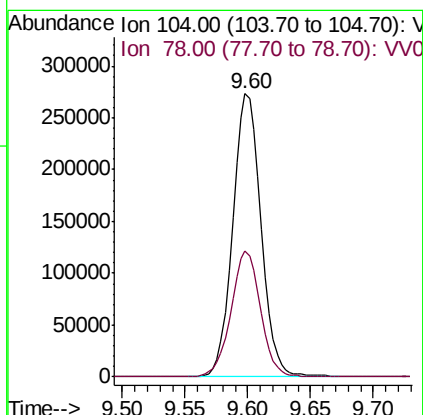
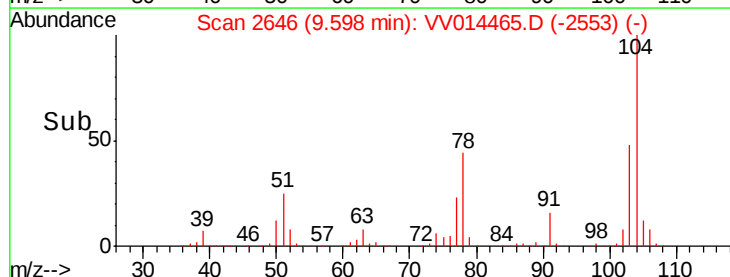
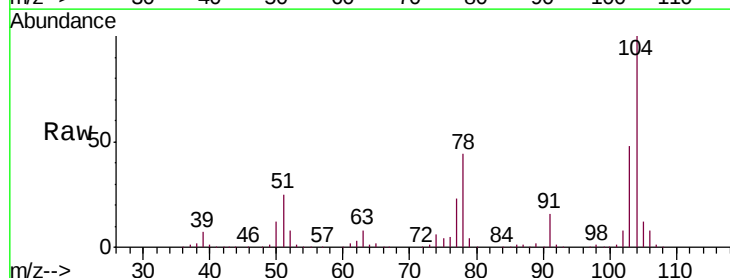
Acq: 31 Jan 2020 21:23

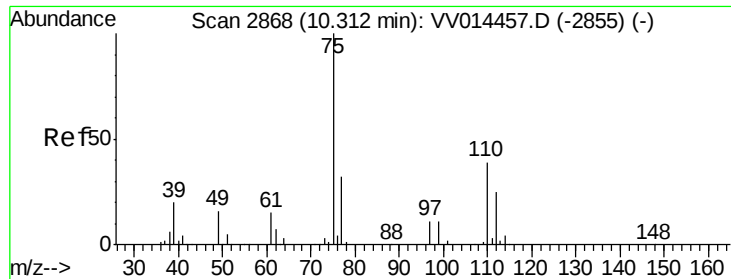
Tgt Ion:104 Resp: 427208

Ion Ratio Lower Upper

104 100

78 44.4 31.3 58.1

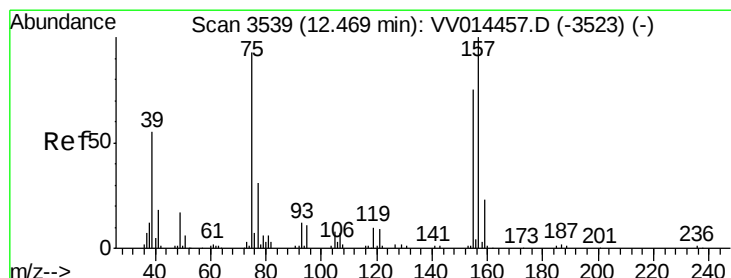
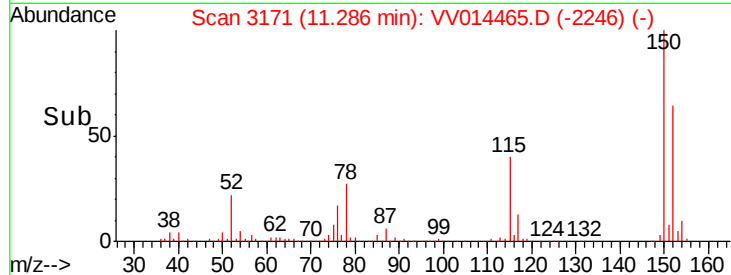
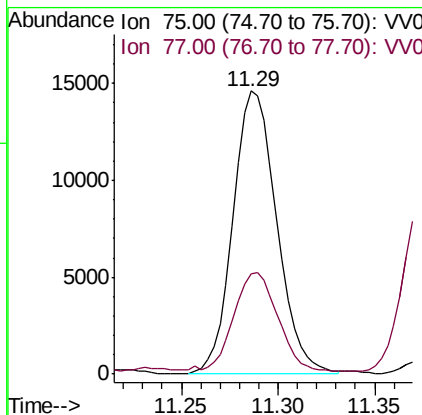
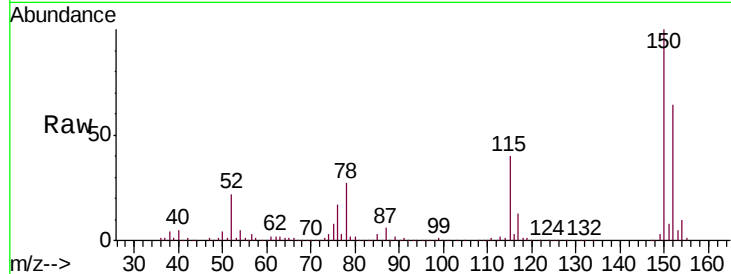




#59
 1,2,3-Trichloropropane
 Concen: 6.814 ug/L
 RT: 11.29 min Scan# 3171
 Delta R.T. 0.97 min
 Lab File: VV014465.D
 Acq: 31 Jan 2020 21:23

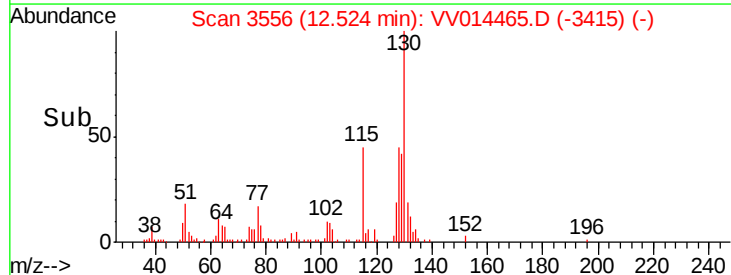
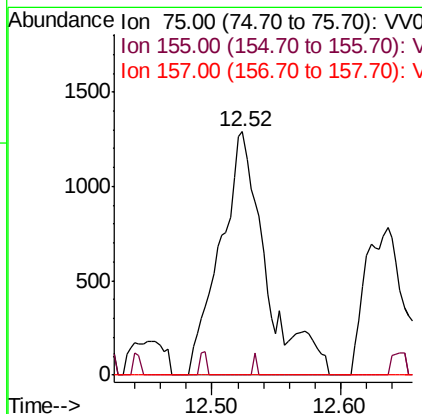
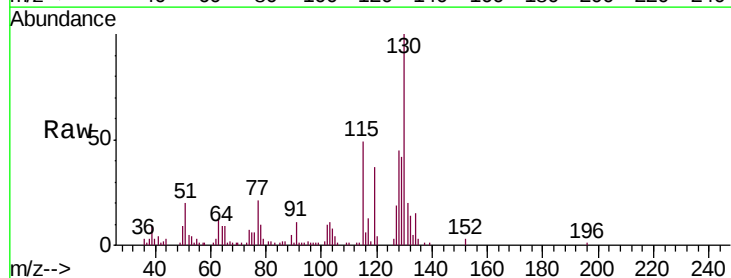
Instrument :
 MSVOA_V
 ClientSampled :
 GAT71

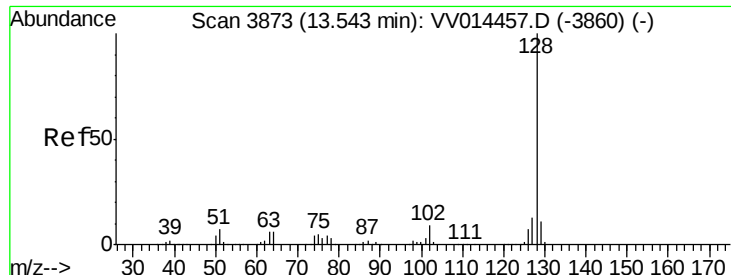
Tgt Ion: 75 Resp: 22986
 Ion Ratio Lower Upper
 75 100
 77 37.8 25.9 38.9



#66
 1,2-Dibromo-3-chloropropane
 Concen: 3.485 ug/L
 RT: 12.52 min Scan# 3556
 Delta R.T. 0.05 min
 Lab File: VV014465.D
 Acq: 31 Jan 2020 21:23

Tgt Ion: 75 Resp: 3166
 Ion Ratio Lower Upper
 75 100
 155 0.0 64.2 96.2#
 157 0.0 83.4 125.2#





#69

Naphthalene

Concen: 1145.162 ug/L

RT: 13.55 min Scan# 3875

Delta R.T. 0.01 min

Lab File: VV014465.D

Acq: 31 Jan 2020 21:23

Instrument :

MSVOA_V

ClientSampleId :

GAT71

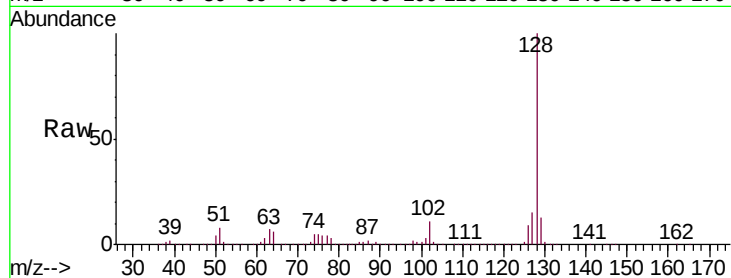
Tgt Ion:128 Resp:12830158

Ion Ratio Lower Upper

128 100

127 14.3 10.2 15.4

129 12.2 8.6 13.0



Abundance Ion 128.00 (127.70 to 128.70): V
1e+07
Ion 127.00 (126.70 to 127.70): V
Ion 129.00 (128.70 to 129.70): V

