

Data File : VV010646.D
Acq On : 03 May 2019 03:51
Operator : SY/MD
Sample : K2603-20
Misc : 5.00G/10ML/MSVOA_V/SOIL
ALS Vial : 1 Sample Multiplier: 1

Instrument :
MSVOA_V
ClientSampleId :
GAJ72

Quant Time: May 03 07:45:35 2019
Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_V\METHOD\SOM2VLM050219S.M
Quant Title : VOC Analysis
QLast Update : Fri May 03 03:59:48 2019
Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Difluorobenzene	5.66	114	184273	25.00	ug/L	0.00
28) Chlorobenzene-d5	8.89	117	164455	25.00	ug/L	0.00
60) 1,4-Dichlorobenzene-d4	11.29	152	64442	25.00	ug/L	0.00

System Monitoring Compounds

4) Vinyl Chloride-d3	1.31	65	37054	15.88	ug/L	0.00
Spiked Amount	25.000	Range	30 - 150	Recovery	=	63.52%
7) Chloroethane-d5	1.57	69	32273	19.76	ug/L	0.00
Spiked Amount	25.000	Range	30 - 150	Recovery	=	79.04%
10) 1,1-Dichloroethene-d2	2.12	63	65135	15.92	ug/L	0.00
Spiked Amount	25.000	Range	45 - 110	Recovery	=	63.68%
20) 2-Butanone-d5	3.92	46	24188	34.08	ug/L	0.00
Spiked Amount	50.000	Range	20 - 135	Recovery	=	68.16%
24) Chloroform-d	4.39	84	108031	22.70	ug/L	0.00
Spiked Amount	25.000	Range	40 - 150	Recovery	=	90.80%
26) 1,2-Dichloroethane-d4	5.07	65	58216	21.34	ug/L	0.00
Spiked Amount	25.000	Range	70 - 130	Recovery	=	85.36%
29) Benzene-d6	5.09	84	224664	26.36	ug/L	0.00
Spiked Amount	25.000	Range	20 - 135	Recovery	=	105.44%
33) 1,2-Dichloropropane-d6	6.11	67	70134	26.86	ug/L	0.00
Spiked Amount	25.000	Range	70 - 120	Recovery	=	107.44%
37) Toluene-d8	7.36	98	193894	23.68	ug/L	0.00
Spiked Amount	25.000	Range	30 - 130	Recovery	=	94.72%
38) trans-1,3-Dichloropropene-	7.66	79	22261	20.63	ug/L	0.00
Spiked Amount	25.000	Range	30 - 135	Recovery	=	82.52%
39) 2-Hexanone-d5	8.13	63	16539	35.58	ug/L	0.00
Spiked Amount	50.000	Range	20 - 135	Recovery	=	71.16%
48) 1,1,2,2-Tetrachloroethane-	10.26	84	44191	18.78	ug/L	0.00
Spiked Amount	25.000	Range	45 - 120	Recovery	=	75.12%
61) 1,2-Dichlorobenzene-d4	11.67	152	58686	23.67	ug/L	0.00
Spiked Amount	25.000	Range	75 - 120	Recovery	=	94.68%

Target Compounds

					Qvalue
13) Acetone	2.18	43	3192	5.246 ug/L	96
25) Chloroform	4.42	83	7197	1.584 ug/L	85
35) Trichloroethene	5.66	95	5299	2.363 ug/L #	5
36) Methylcyclohexane	6.11	83	16481	5.144 ug/L #	19
40) 1,2-Dichloropropane	6.11	63	8096	3.959 ug/L #	87
42) cis-1,3-Dichloropropene	7.03	75	1621	0.542 ug/L #	53
54) m,p-Xylene	9.18	106	4091	1.100 ug/L	92
55) o-xylene	9.59	106	4309	1.186 ug/L	96
56) Styrene	9.60	104	9922	1.609 ug/L	98
66) 1,2-Dibromo-3-chloropropan	12.46	75	1105	4.138 ug/L #	1
69) Naphthalene	13.56	128	8618399	2092.334 ug/L	98

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

Data File : VV010646.D

Acq On : 03 May 2019 03:51

Operator : SY/MD

Sample : K2603-20

Misc : 5.00G/10ML/MSVOA V/SOIL

```
ALS Vial      : 1      Sample Multiplier: 1
```

Instrument :
MSVOA_V
ClientSampleId :
GAJ72

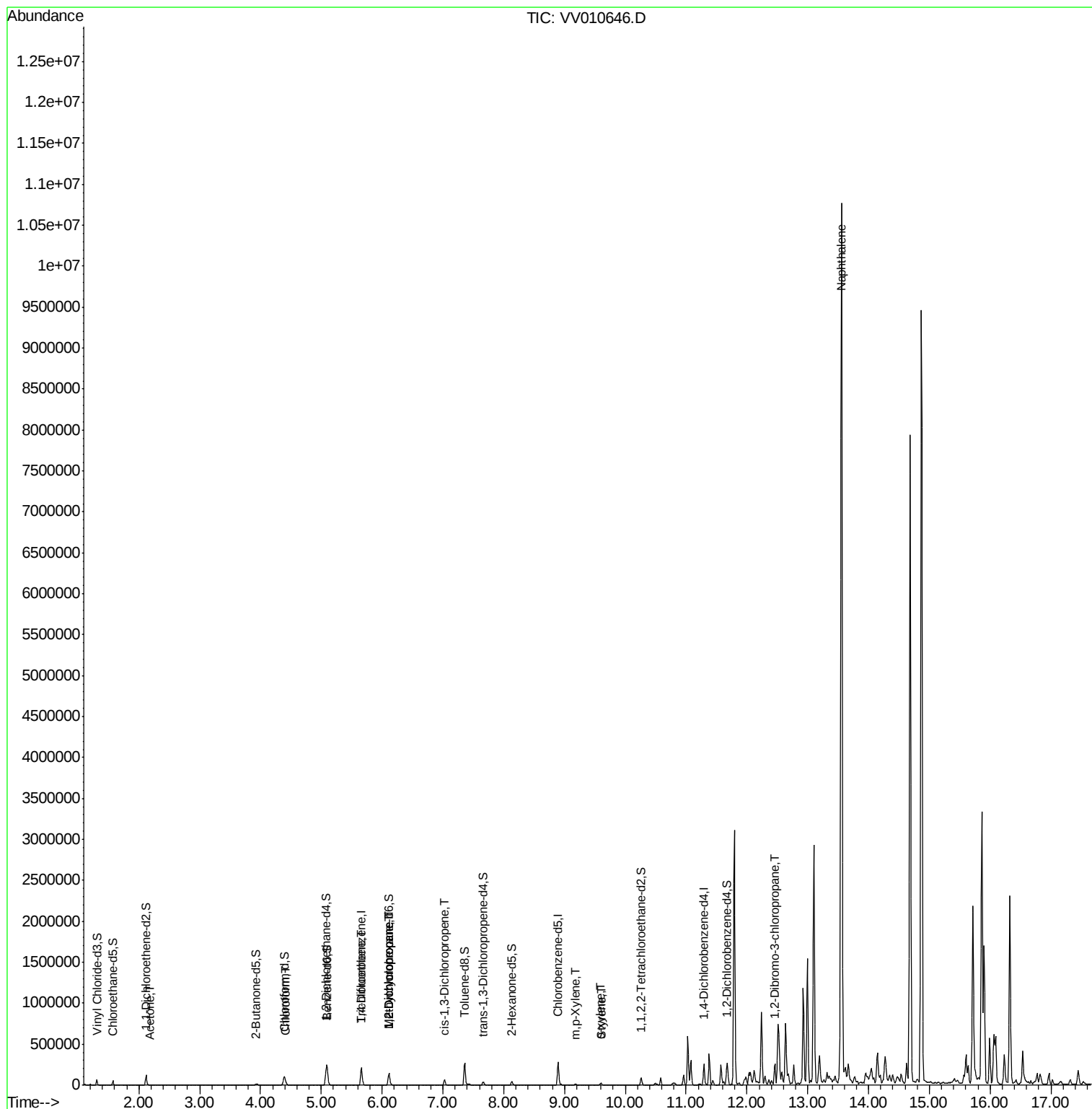
Quant Time: May 03 07:45:35 2019

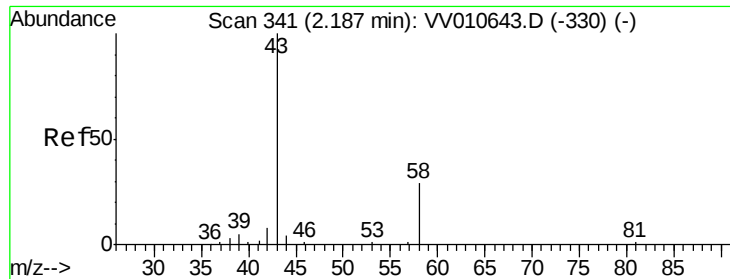
Quant Method : Z:\V0ASRV\HPCHEM1\MSV0A_V\METHOD\S0M2VLM050219S.M

Quant Title : VOC Analysis

QLast Update : Fri May 03 03:59:48 2019

Response via : Initial Calibration





#13

Acetone

Concen: 5.246 ug/L

RT: 2.18 min Scan# 340

Delta R.T. -0.00 min

Lab File: VV010646.D

Acq: 03 May 2019 03:51

Instrument :

MSVOA_V

ClientSampleId :

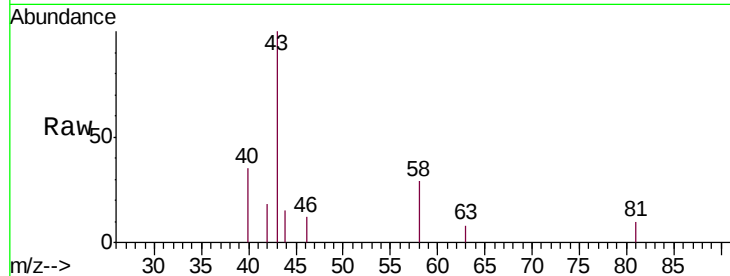
GAJ72

Tgt Ion: 43 Resp: 3192

Ion Ratio Lower Upper

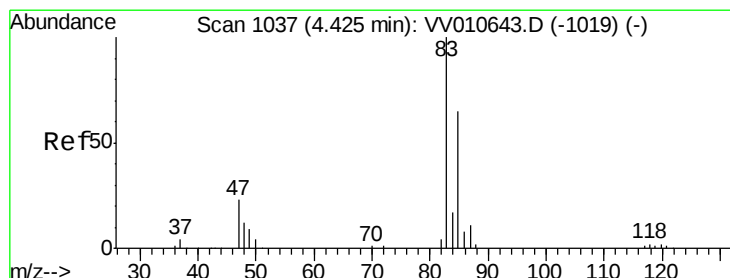
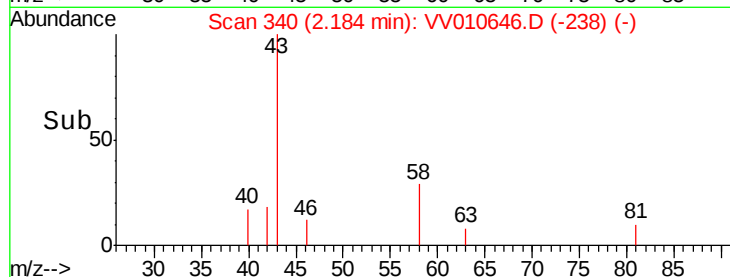
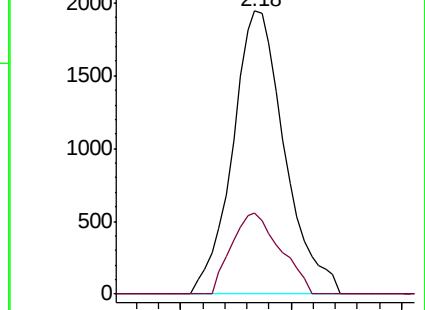
43 100

58 26.8 0.0 58.2



Abundance Ion 43.00 (42.70 to 43.70): VV010643.D (-330) (-)

Ion 58.00 (57.70 to 58.70): VV010643.D (-330) (-)



#25

Chloroform

Concen: 1.584 ug/L

RT: 4.42 min Scan# 1035

Delta R.T. -0.01 min

Lab File: VV010646.D

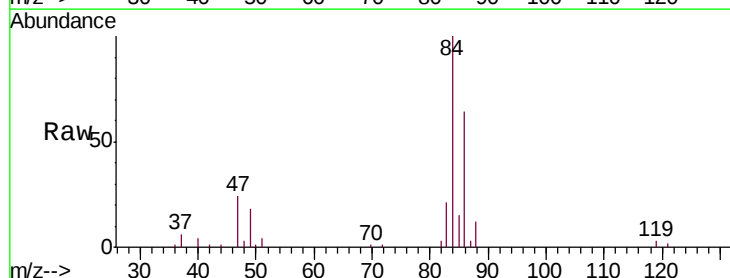
Acq: 03 May 2019 03:51

Tgt Ion: 83 Resp: 7197

Ion Ratio Lower Upper

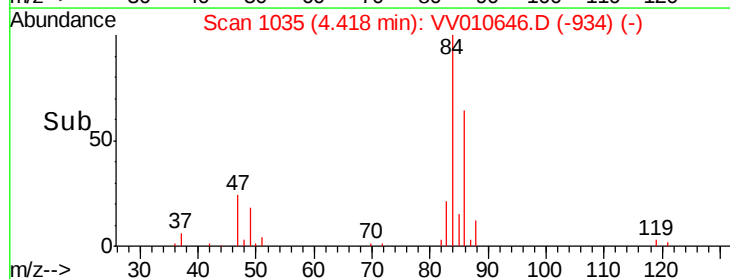
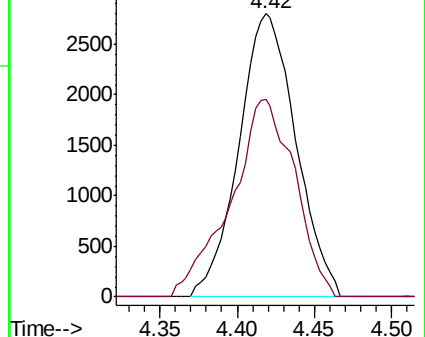
83 100

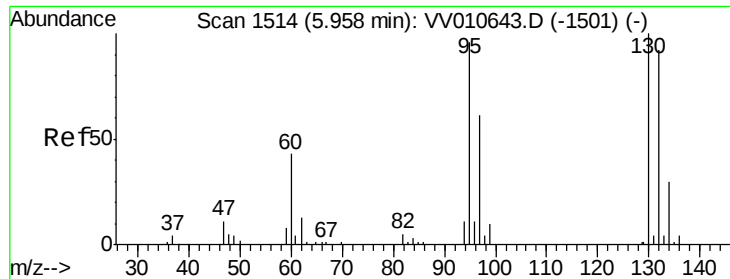
85 78.1 46.3 86.1



Abundance Ion 83.00 (82.70 to 83.70): VV010643.D (-1019) (-)

Ion 85.00 (84.70 to 85.70): VV010643.D (-1019) (-)





#35

Trichloroethene

Concen: 2.363 ug/L

RT: 5.66 min Scan# 1420

Delta R.T. -0.30 min

Lab File: VV010646.D

Acq: 03 May 2019 03:51

Instrument :

MSVOA_V

ClientSampleId :

GAJ72

Tgt Ion: 95 Resp: 5299

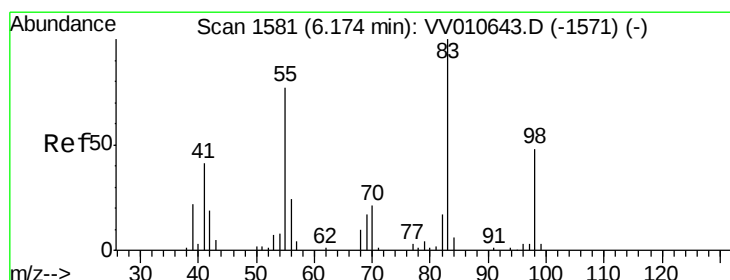
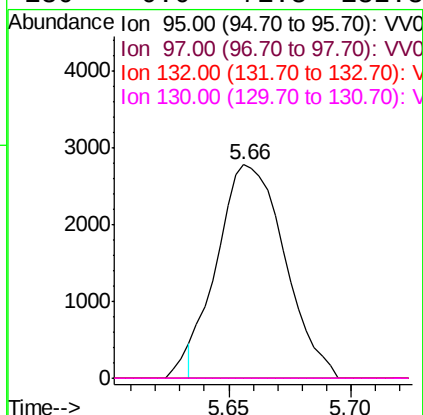
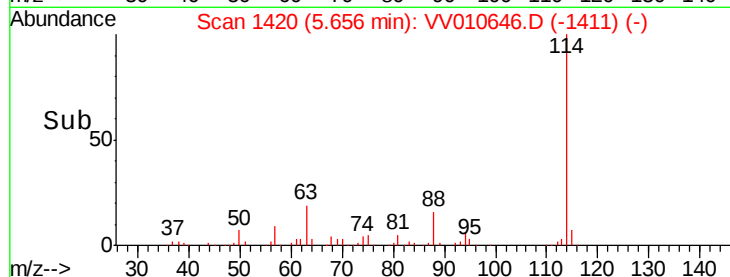
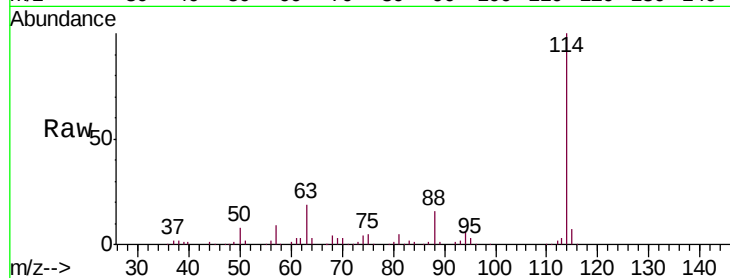
Ion Ratio Lower Upper

95 100

97 0.0 45.0 83.6#

132 1.8 69.9 129.9#

130 0.0 71.3 132.3#



#36

Methylcyclohexane

Concen: 5.144 ug/L

RT: 6.11 min Scan# 1562

Delta R.T. -0.06 min

Lab File: VV010646.D

Acq: 03 May 2019 03:51

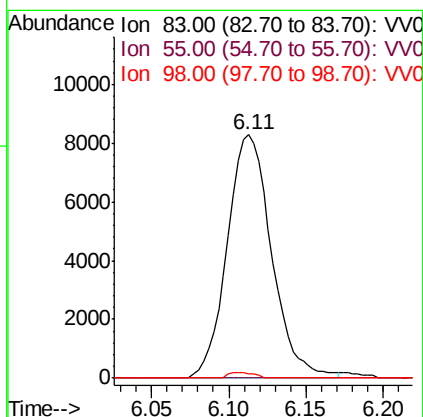
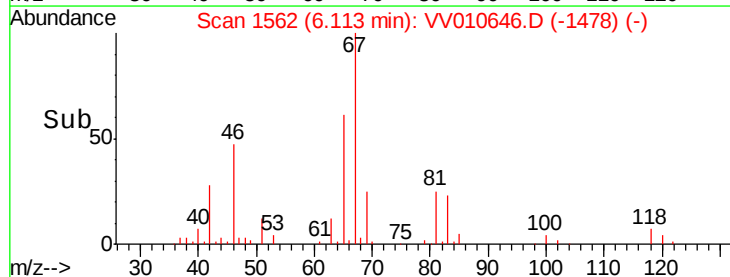
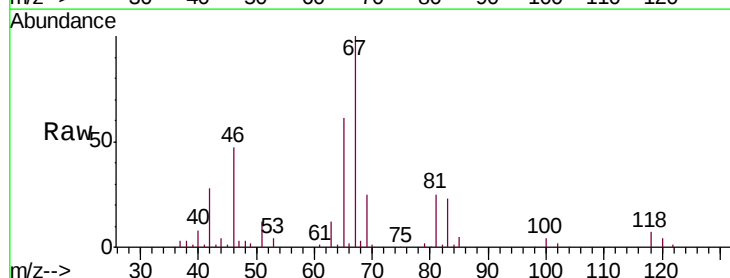
Tgt Ion: 83 Resp: 16481

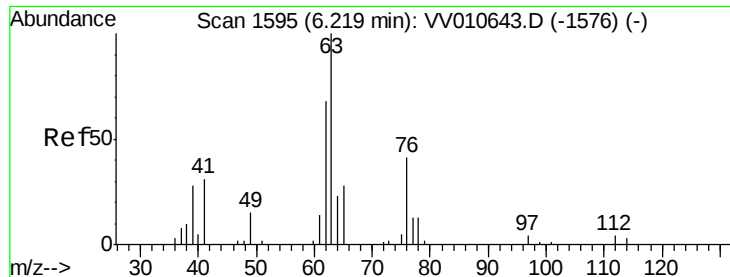
Ion Ratio Lower Upper

83 100

55 0.0 61.4 92.0#

98 1.2 37.4 56.2#

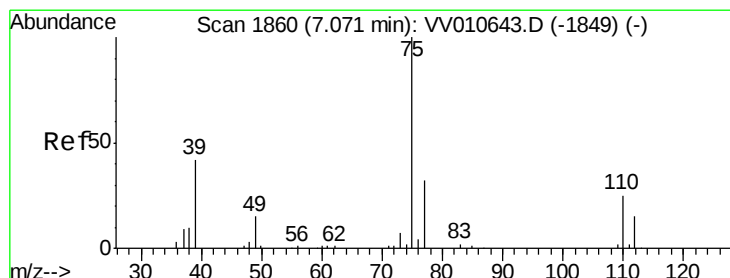
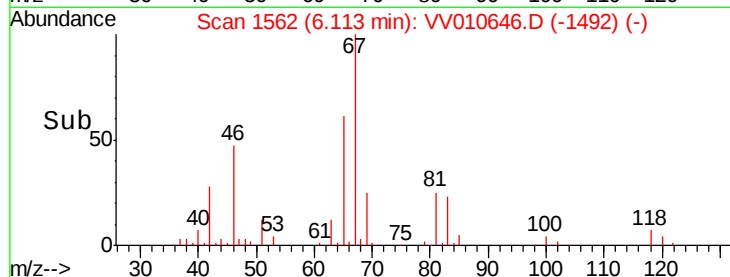
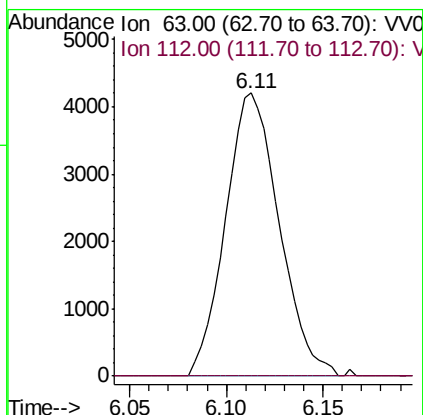
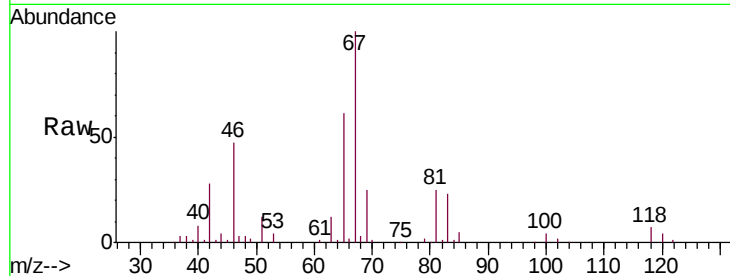




#40
 1,2-Dichloropropane
 Concen: 3.959 ug/L
 RT: 6.11 min Scan# 1562
 Delta R.T. -0.11 min
 Lab File: VV010646.D
 Acq: 03 May 2019 03:51

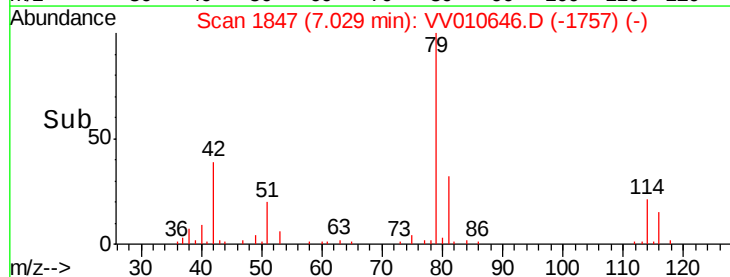
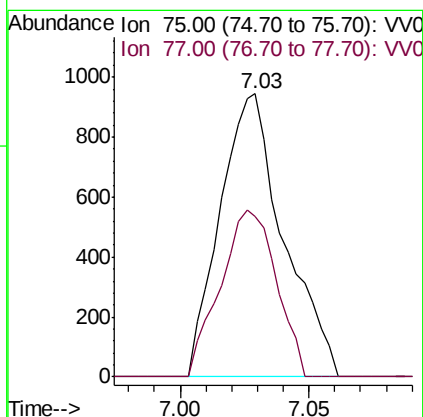
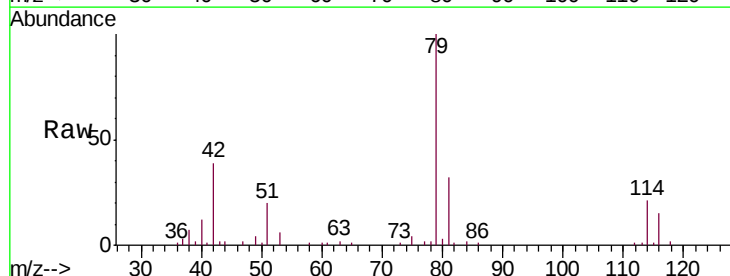
Instrument :
 MSVOA_V
 ClientSampleId :
 GAJ72

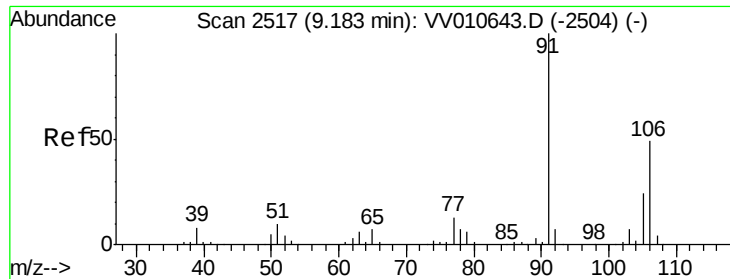
Tgt Ion: 63 Resp: 8096
 Ion Ratio Lower Upper
 63 100
 112 0.0 3.4 5.0#



#42
 cis-1,3-Dichloropropene
 Concen: 0.542 ug/L
 RT: 7.03 min Scan# 1847
 Delta R.T. -0.04 min
 Lab File: VV010646.D
 Acq: 03 May 2019 03:51

Tgt Ion: 75 Resp: 1621
 Ion Ratio Lower Upper
 75 100
 77 56.9 21.8 40.4#





#54

m,p-Xylene

Concen: 1.100 ug/L

RT: 9.18 min Scan# 2516

Delta R.T. -0.00 min

Lab File: VV010646.D

Acq: 03 May 2019 03:51

Instrument :

MSVOA_V

ClientSampled :

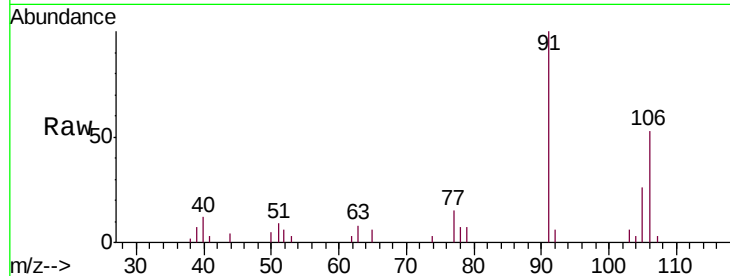
GAJ72

Tgt Ion:106 Resp: 4091

Ion Ratio Lower Upper

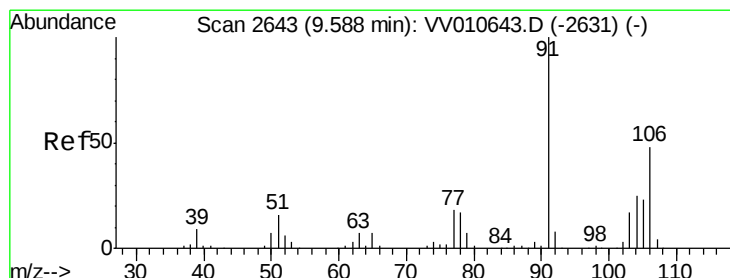
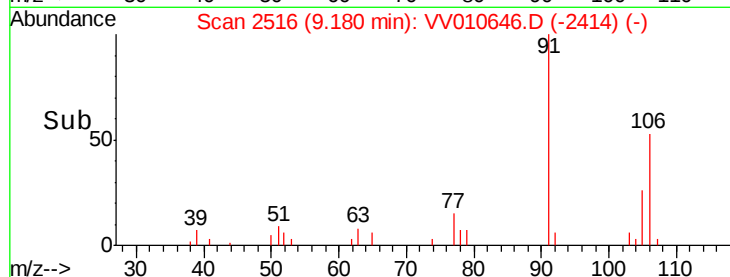
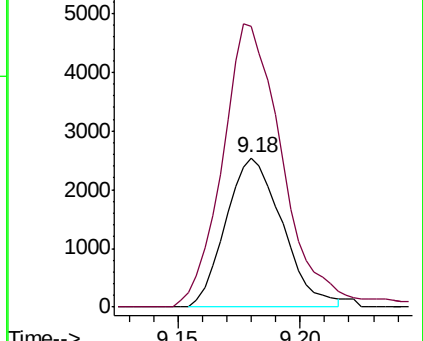
106 100

91 188.0 140.4 260.8



Abundance Ion 106.00 (105.70 to 106.70): V

Ion 91.00 (90.70 to 91.70): VV0



#55

o-xylene

Concen: 1.186 ug/L

RT: 9.59 min Scan# 2642

Delta R.T. -0.00 min

Lab File: VV010646.D

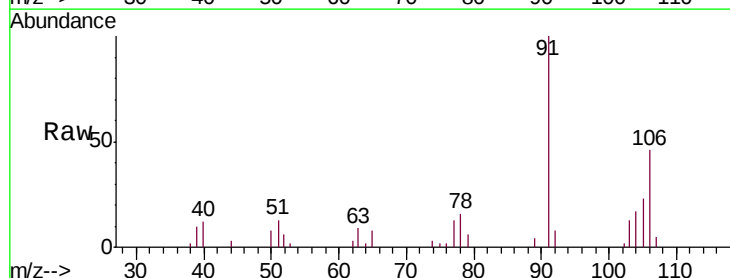
Acq: 03 May 2019 03:51

Tgt Ion:106 Resp: 4309

Ion Ratio Lower Upper

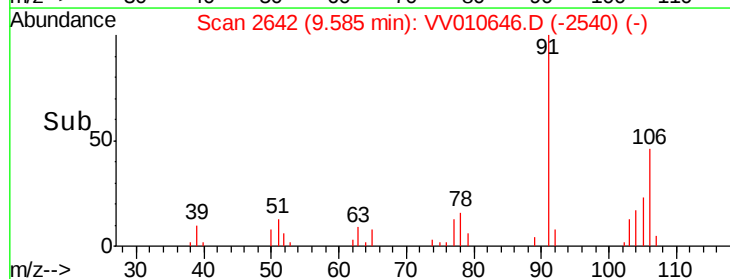
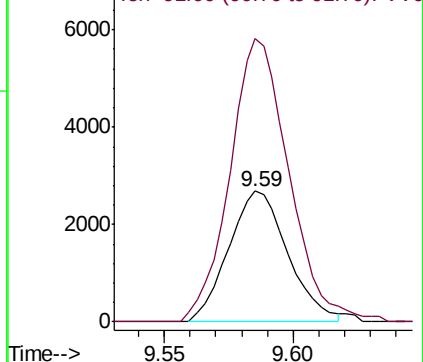
106 100

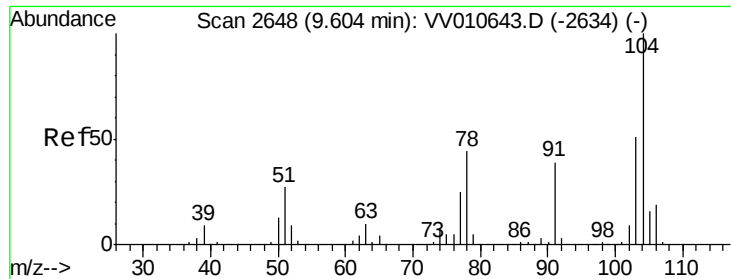
91 216.2 147.3 273.5



Abundance Ion 106.00 (105.70 to 106.70): V

Ion 91.00 (90.70 to 91.70): VV0





#56

Styrene

Concen: 1.609 ug/L

RT: 9.60 min Scan# 2648

Delta R.T. 0.00 min

Lab File: VV010646.D

Acq: 03 May 2019 03:51

Instrument :

MSVOA_V

ClientSampleId :

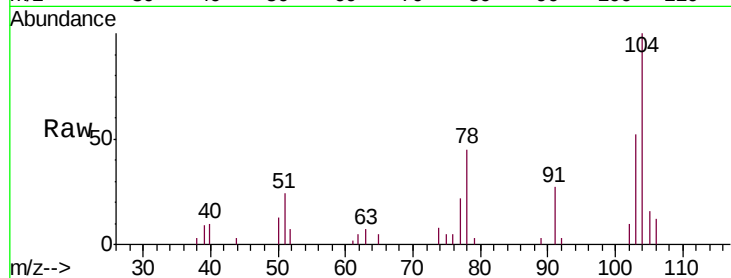
GAJ72

Tgt Ion:104 Resp: 9922

Ion Ratio Lower Upper

104 100

78 44.6 30.4 56.5

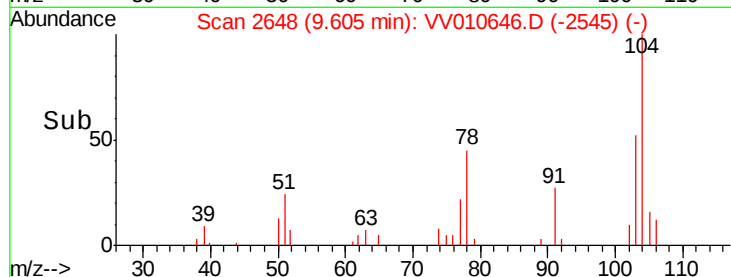


Abundance Ion 104.00 (103.70 to 104.70): VV010643.D (-2634) (-)

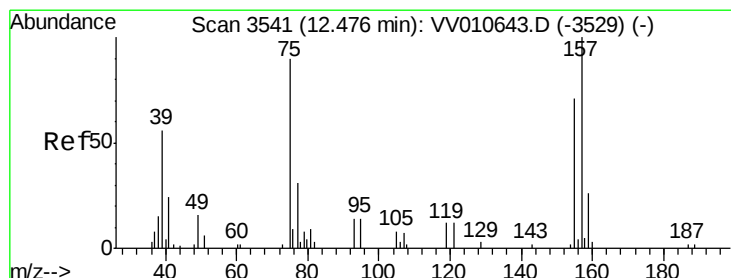
Ion 78.00 (77.70 to 78.70): VV010643.D (-2634) (-)

Time-->

9.55 9.60 9.65



Time-->



#66

1,2-Dibromo-3-chloropropane

Concen: 4.138 ug/L

RT: 12.46 min Scan# 3535

Delta R.T. -0.02 min

Lab File: VV010646.D

Acq: 03 May 2019 03:51

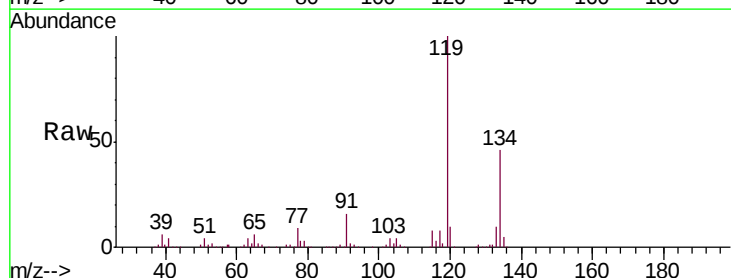
Tgt Ion: 75 Resp: 1105

Ion Ratio Lower Upper

75 100

157 0.0 91.1 136.7#

155 0.0 61.0 91.6#



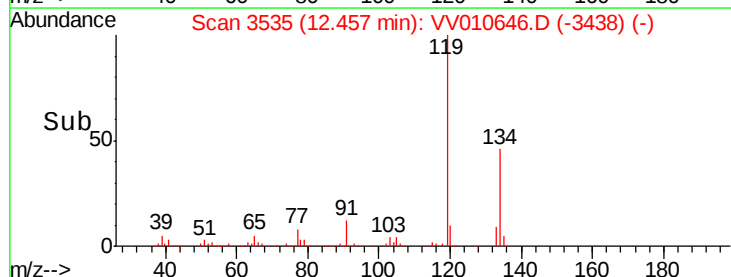
Abundance Ion 75.00 (74.70 to 75.70): VV010643.D (-3529) (-)

Ion 157.00 (156.70 to 157.70): VV010643.D (-3529) (-)

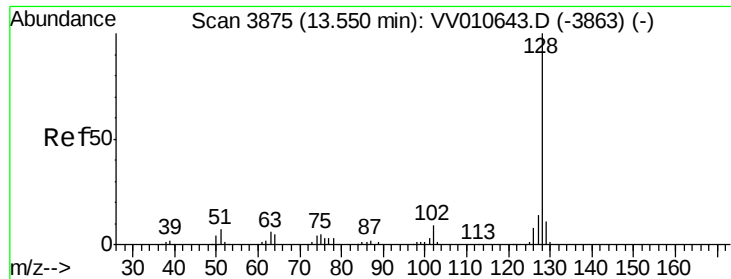
Ion 155.00 (154.70 to 155.70): VV010643.D (-3529) (-)

Time-->

12.45



Time-->



#69

Naphthalene

Concen: 2092.334 ug/L

RT: 13.56 min Scan# 3877

Delta R.T. 0.01 min

Lab File: VV010646.D

Acq: 03 May 2019 03:51

Instrument :

MSVOA_V

ClientSampleId :

GAJ72

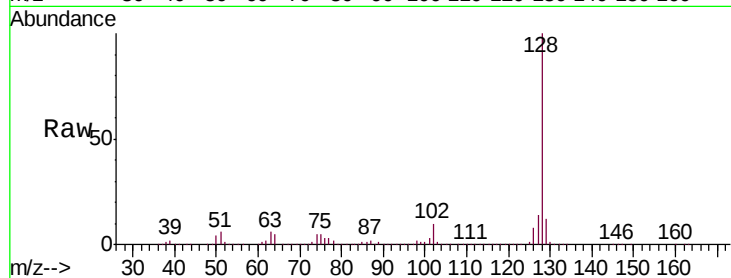
Tgt Ion:128 Resp: 8618399

Ion Ratio Lower Upper

128 100

129 11.6 8.6 13.0

127 13.6 10.6 15.8



Abundance Ion 128.00 (127.70 to 128.70): V

Ion 129.00 (128.70 to 129.70): V

Ion 127.00 (126.70 to 127.70): V

