

Data File : VV010639.D
Acq On : 02 May 2019 22:07
Operator : SY/MD
Sample : K2603-11
Misc : 5.09G/10ML/MSVOA_V/SOIL
ALS Vial : 1 Sample Multiplier: 1

Instrument :
MSVOA_V
ClientSampleId :
GAJ63

Quant Time: May 03 02:26:09 2019
Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_V\METHOD\SOM2VLM050219S.M
Quant Title : VOC Analysis
QLast Update : Fri May 03 02:22:17 2019
Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Difluorobenzene	5.67	114	32778	25.00	ug/L	0.00
28) Chlorobenzene-d5	8.90	117	31311	25.00	ug/L	0.00
60) 1,4-Dichlorobenzene-d4	11.30	152	9910	25.00	ug/L	0.00

System Monitoring Compounds

4) Vinyl Chloride-d3	1.32	65	3949	9.52	ug/L	0.00
Spiked Amount	25.000	Range	30 - 150	Recovery	=	38.08%
7) Chloroethane-d5	1.58	69	4643	15.98	ug/L	0.02
Spiked Amount	25.000	Range	30 - 150	Recovery	=	63.92%
10) 1,1-Dichloroethene-d2	2.13	63	6879	9.45	ug/L	0.00
Spiked Amount	25.000	Range	45 - 110	Recovery	=	37.80%#
20) 2-Butanone-d5	3.96	46	4373	34.63	ug/L	0.03
Spiked Amount	50.000	Range	20 - 135	Recovery	=	69.26%
24) Chloroform-d	4.41	84	19889	23.49	ug/L	0.00
Spiked Amount	25.000	Range	40 - 150	Recovery	=	93.96%
26) 1,2-Dichloroethane-d4	5.09	65	11623	23.96	ug/L	0.00
Spiked Amount	25.000	Range	70 - 130	Recovery	=	95.84%
29) Benzene-d6	5.10	84	27044	16.67	ug/L	0.00
Spiked Amount	25.000	Range	20 - 135	Recovery	=	66.68%
33) 1,2-Dichloropropane-d6	6.12	67	11818	23.77	ug/L	0.00
Spiked Amount	25.000	Range	70 - 120	Recovery	=	95.08%
37) Toluene-d8	7.36	98	20998	13.47	ug/L	0.00
Spiked Amount	25.000	Range	30 - 130	Recovery	=	53.88%
38) trans-1,3-Dichloropropene-	7.67	79	3022	14.71	ug/L	0.00
Spiked Amount	25.000	Range	30 - 135	Recovery	=	58.84%
39) 2-Hexanone-d5	8.14	63	151	1.71	ug/L	0.01
Spiked Amount	50.000	Range	20 - 135	Recovery	=	3.42%#
48) 1,1,2,2-Tetrachloroethane-	10.26	84	12230	27.30	ug/L	0.00
Spiked Amount	25.000	Range	45 - 120	Recovery	=	109.20%
61) 1,2-Dichlorobenzene-d4	11.67	152	8026	21.05	ug/L	0.00
Spiked Amount	25.000	Range	75 - 120	Recovery	=	84.20%

Target Compounds

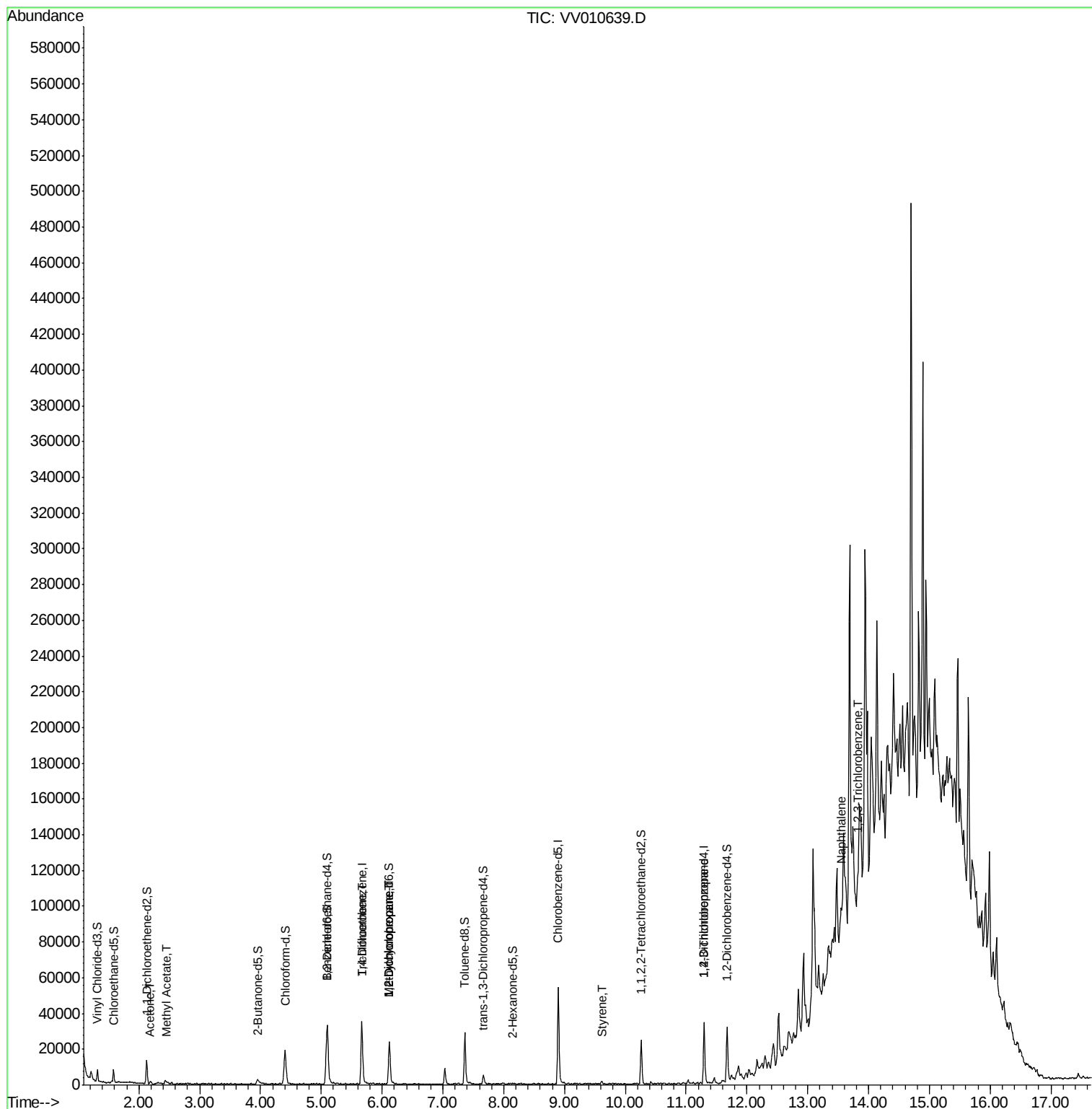
						Qvalue
13) Acetone	2.19	43	1295	11.964	ug/L	87
15) Methyl Acetate	2.47	43	1048	4.953	ug/L #	54
35) Trichloroethene	5.67	95	873	2.045	ug/L #	4
36) Methylcyclohexane	6.12	83	2837	4.651	ug/L #	18
40) 1,2-Dichloropropane	6.12	63	1285	3.301	ug/L #	87
56) Styrene	9.61	104	956	0.814	ug/L	84
59) 1,2,3-Trichloropropane	11.30	75	1095	3.589	ug/L #	78
69) Naphthalene	13.55	128	7807	12.325	ug/L	99
70) 1,2,3-Trichlorobenzene	13.81	180	1651	5.284	ug/L #	26

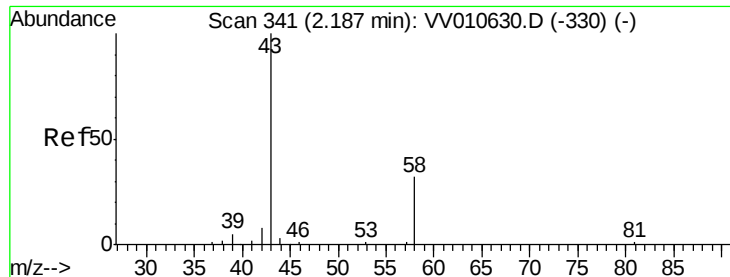
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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#13

Acetone

Concen: 11.964 ug/L

RT: 2.19 min Scan# 343

Delta R.T. 0.01 min

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Acq: 02 May 2019 22:07

Instrument :

MSVOA_V

ClientSampled :

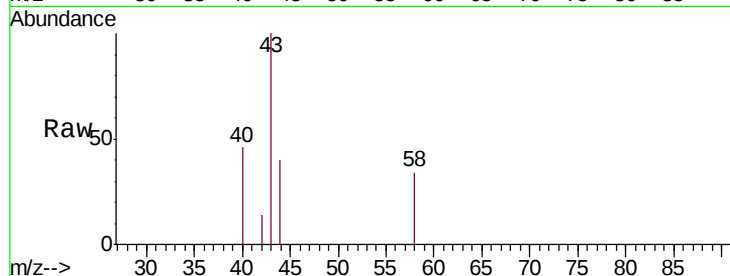
GAJ63

Tgt Ion: 43 Resp: 1295

Ion Ratio Lower Upper

43 100

58 21.9 0.0 58.2



Abundance Ion 43.00 (42.70 to 43.70): VV0

Ion 58.00 (57.70 to 58.70): VV0

2.19

800

600

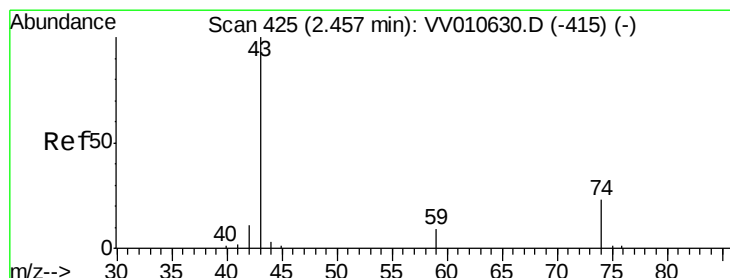
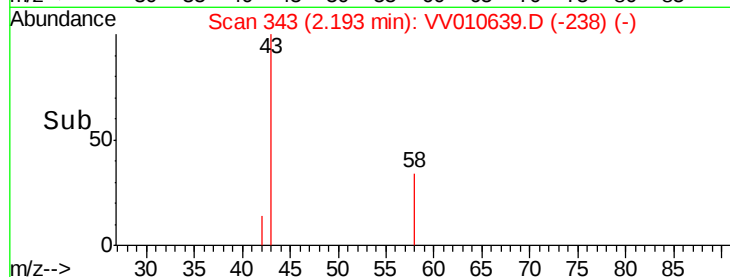
400

200

0

2.16 2.18 2.20 2.22

Time-->



#15

Methyl Acetate

Concen: 4.953 ug/L

RT: 2.47 min Scan# 429

Delta R.T. 0.01 min

Lab File: VV010639.D

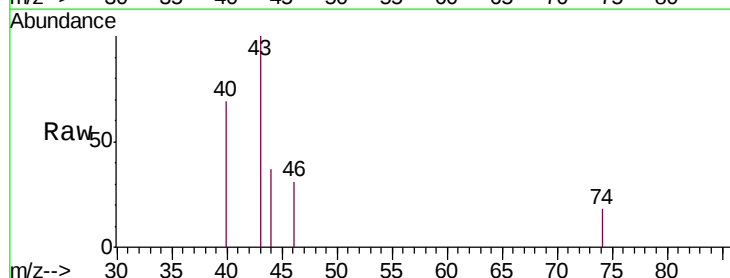
Acq: 02 May 2019 22:07

Tgt Ion: 43 Resp: 1048

Ion Ratio Lower Upper

43 100

74 1.9 20.0 30.0#



Abundance Ion 43.00 (42.70 to 43.70): VV0

Ion 74.00 (73.70 to 74.70): VV0

2.47

600

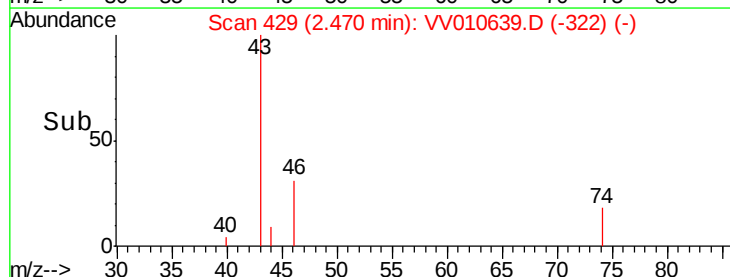
400

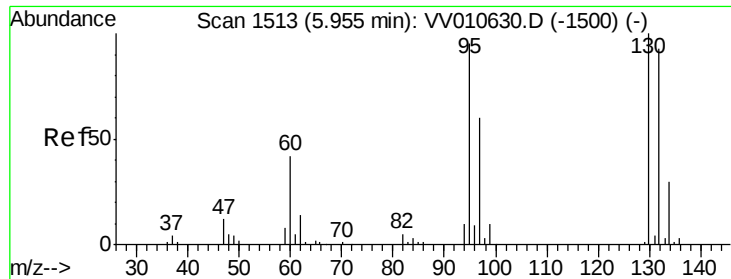
200

0

2.45 2.50

Time-->





#35

Trichloroethene

Concen: 2.045 ug/L

RT: 5.67 min Scan# 1423

Delta R.T. -0.29 min

Lab File: VV010639.D

Acq: 02 May 2019 22:07

Instrument :

MSVOA_V

ClientSampleId :

GAJ63

Tgt Ion: 95 Resp: 873

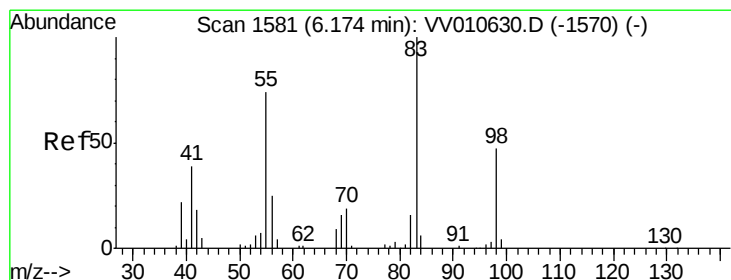
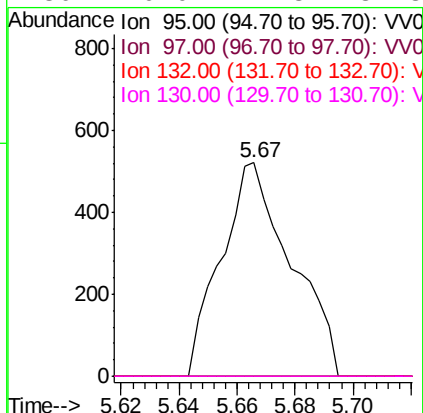
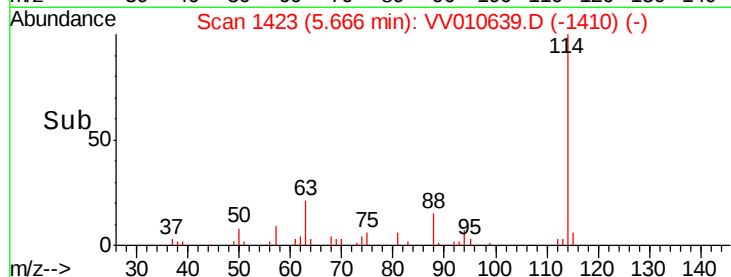
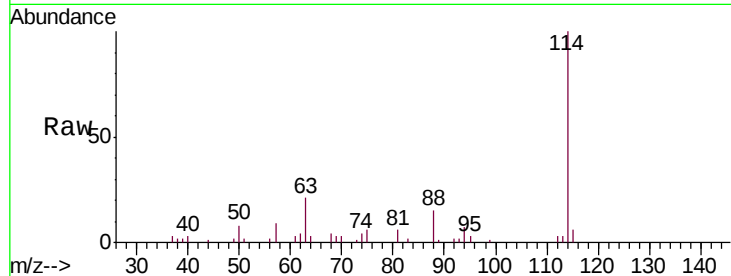
Ion Ratio Lower Upper

95 100

97 0.0 45.0 83.6#

132 0.0 69.9 129.9#

130 0.0 71.3 132.3#



#36

Methylcyclohexane

Concen: 4.651 ug/L

RT: 6.12 min Scan# 1563

Delta R.T. -0.06 min

Lab File: VV010639.D

Acq: 02 May 2019 22:07

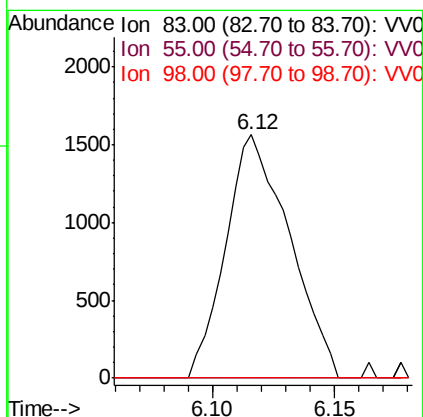
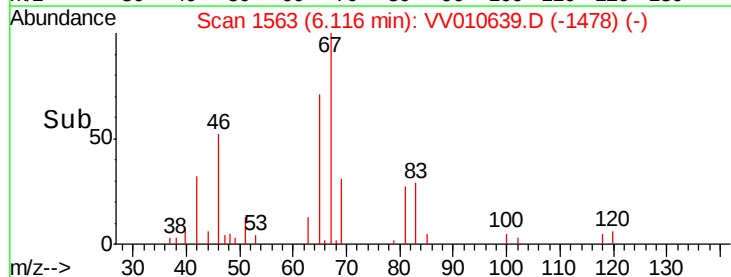
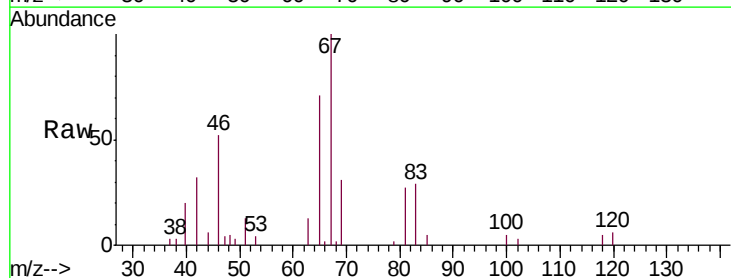
Tgt Ion: 83 Resp: 2837

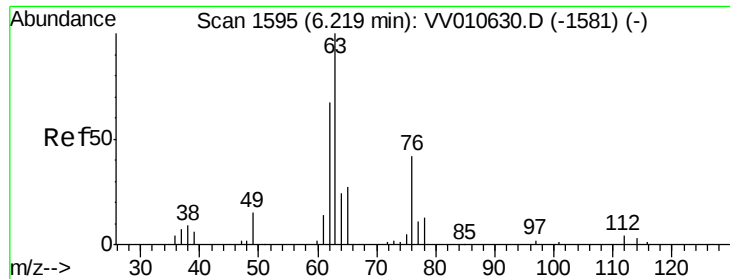
Ion Ratio Lower Upper

83 100

55 0.0 61.4 92.0#

98 0.0 37.4 56.2#

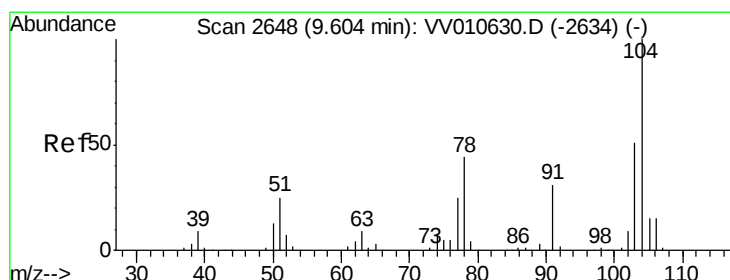
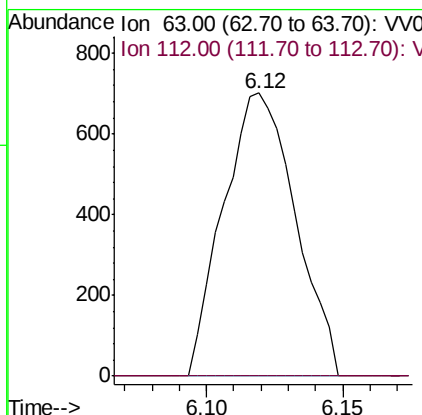
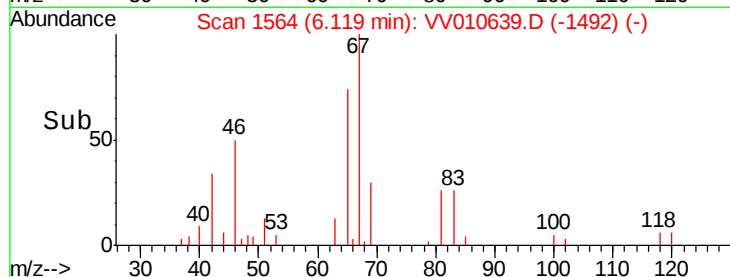
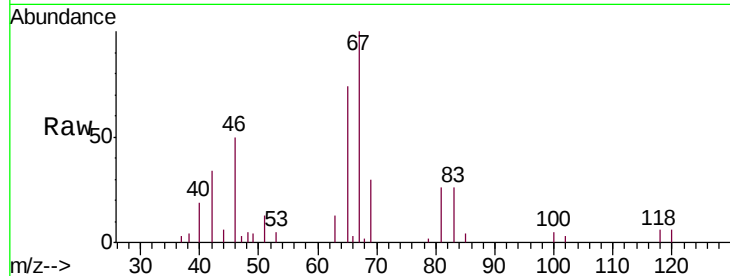




#40
 1,2-Dichloropropane
 Concen: 3.301 ug/L
 RT: 6.12 min Scan# 1564
 Delta R.T. -0.10 min
 Lab File: VV010639.D
 Acq: 02 May 2019 22:07

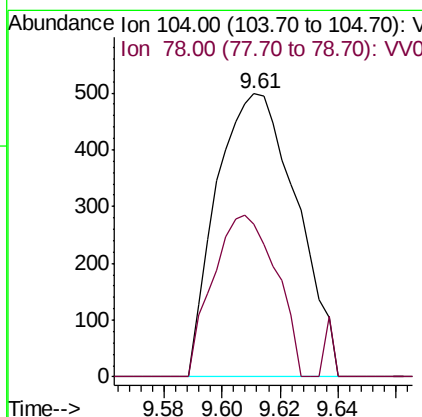
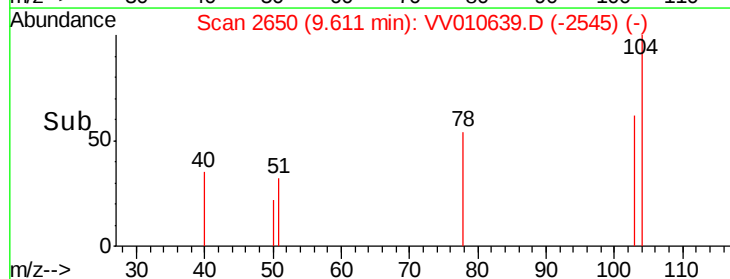
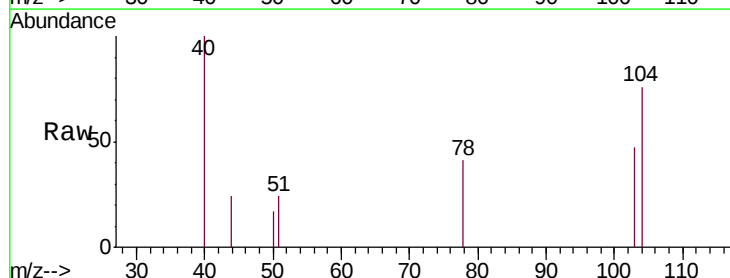
Instrument :
 MSVOA_V
 ClientSampled :
 GAJ63

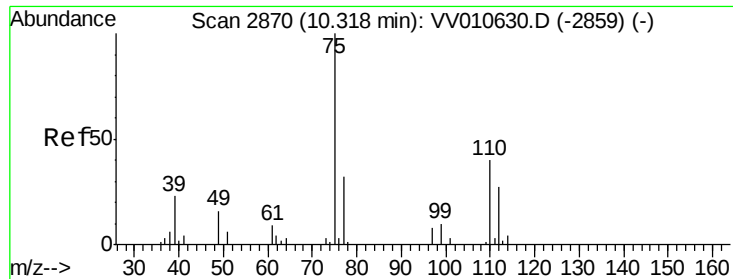
Tgt Ion: 63 Resp: 1285
 Ion Ratio Lower Upper
 63 100
 112 0.0 3.4 5.0#



#56
 Styrene
 Concen: 0.814 ug/L
 RT: 9.61 min Scan# 2650
 Delta R.T. 0.01 min
 Lab File: VV010639.D
 Acq: 02 May 2019 22:07

Tgt Ion: 104 Resp: 956
 Ion Ratio Lower Upper
 104 100
 78 53.8 30.4 56.5





#59

1,2,3-Trichloropropane

Concen: 3.589 ug/L

RT: 11.30 min Scan# 3174

Delta R.T. 0.98 min

Lab File: VV010639.D

Acq: 02 May 2019 22:07

Instrument :

MSVOA_V

ClientSampleId :

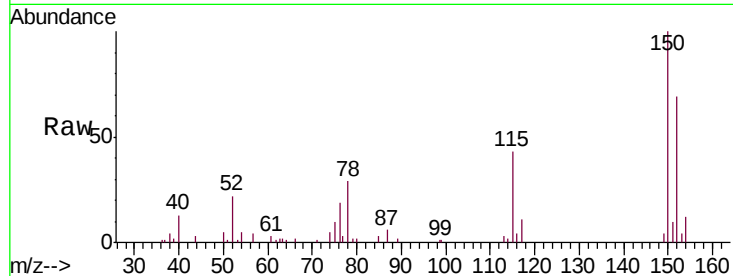
GAJ63

Tgt Ion: 75 Resp: 1095

Ion Ratio Lower Upper

75 100

77 19.8 25.6 38.4#



Abundance Ion 75.00 (74.70 to 75.70): VV010639.D (-2248) (-)

Ion 77.00 (76.70 to 77.70): VV010639.D (-2248) (-)

11.30

800

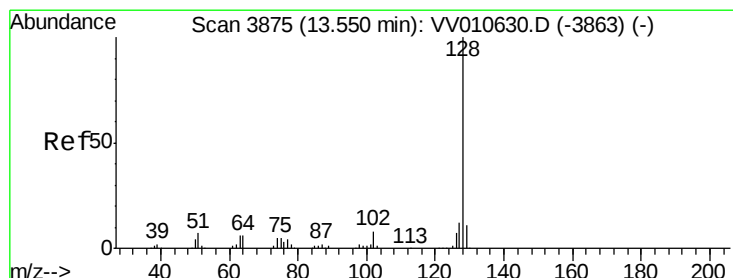
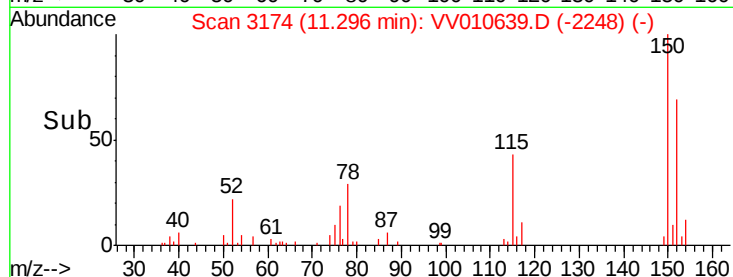
600

400

200

0

Time--> 11.25 11.30



#69

Naphthalene

Concen: 12.325 ug/L

RT: 13.55 min Scan# 3876

Delta R.T. 0.00 min

Lab File: VV010639.D

Acq: 02 May 2019 22:07

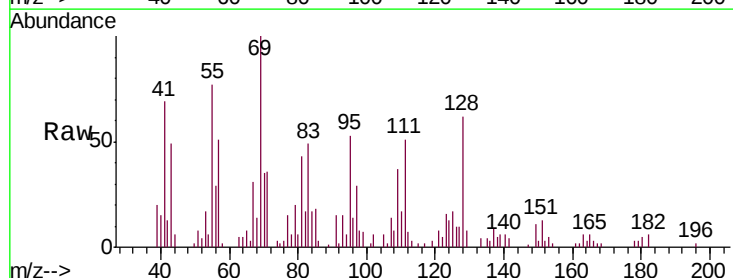
Tgt Ion: 128 Resp: 7807

Ion Ratio Lower Upper

128 100

129 11.1 8.6 13.0

127 13.6 10.6 15.8



Abundance Ion 128.00 (127.70 to 128.70): VV010639.D (-3772) (-)

Ion 129.00 (128.70 to 129.70): VV010639.D (-3772) (-)

Ion 127.00 (126.70 to 127.70): VV010639.D (-3772) (-)

13.55

6000

5000

4000

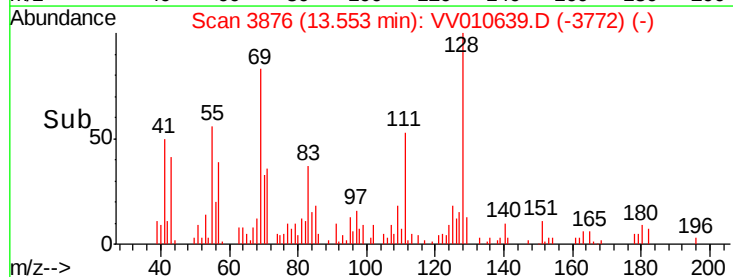
3000

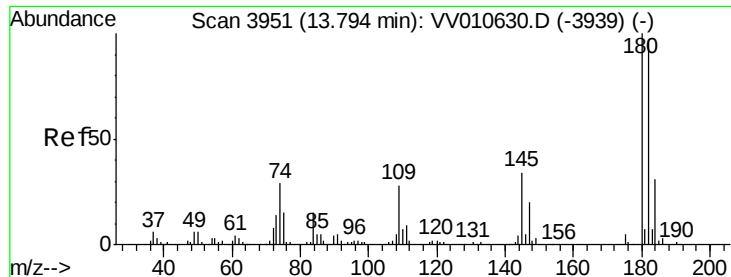
2000

1000

0

Time--> 13.50 13.55 13.60





#70
 1,2,3-Trichlorobenzene
 Concen: 5.284 ug/L
 RT: 13.81 min Scan# 3957
 Delta R.T. 0.02 min
 Lab File: VV010639.D
 Acq: 02 May 2019 22:07

Instrument :
 MSVOA_V
 ClientSampleId :
 GAJ63

Tgt Ion:180 Resp: 1651
 Ion Ratio Lower Upper
 180 100
 182 21.1 79.0 118.6#
 145 0.0 28.2 42.4#

