

Data File : VV010659.D
Acq On : 03 May 2019 14:53
Operator : SY/MD
Sample : K2603-02MS
Misc : 5.09G/10ML/MSVOA_V/SOIL
ALS Vial : 1 Sample Multiplier: 1

Instrument :
MSVOA_V
ClientSampleId :
GAJ55

Quant Time: May 03 23:54:05 2019
Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_V\METHOD\SOM2VLM050219S.M
Quant Title : VOC Analysis
QLast Update : Fri May 03 23:50:43 2019
Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Difluorobenzene	5.67	114	38481	25.00	ug/L	0.00
28) Chlorobenzene-d5	8.90	117	35215	25.00	ug/L	0.00
60) 1,4-Dichlorobenzene-d4	11.30	152	11824	25.00	ug/L	0.00

System Monitoring Compounds

4) Vinyl Chloride-d3	0.00	65	0	0.00	ug/L	
Spiked Amount	25.000	Range	30 - 150	Recovery	=	0.00%#
7) Chloroethane-d5	0.00	69	0	0.00	ug/L	
Spiked Amount	25.000	Range	30 - 150	Recovery	=	0.00%#
10) 1,1-Dichloroethene-d2	2.14	63	4278	5.01	ug/L	0.02
Spiked Amount	25.000	Range	45 - 110	Recovery	=	20.04%#
20) 2-Butanone-d5	0.00	46	0	0.00	ug/L	
Spiked Amount	50.000	Range	20 - 135	Recovery	=	0.00%#
24) Chloroform-d	0.00	84	0	0.00	ug/L	
Spiked Amount	25.000	Range	40 - 150	Recovery	=	0.00%#
26) 1,2-Dichloroethane-d4	0.00	65	0	0.00	ug/L	
Spiked Amount	25.000	Range	70 - 130	Recovery	=	0.00%#
29) Benzene-d6	5.10	84	224	0.12	ug/L	0.00
Spiked Amount	25.000	Range	20 - 135	Recovery	=	0.48%#
33) 1,2-Dichloropropane-d6	0.00	67	0	0.00	ug/L	
Spiked Amount	25.000	Range	70 - 120	Recovery	=	0.00%#
37) Toluene-d8	7.36	98	222	0.13	ug/L	0.00
Spiked Amount	25.000	Range	30 - 130	Recovery	=	0.52%#
38) trans-1,3-Dichloropropene-	0.00	79	0	0.00	ug/L	
Spiked Amount	25.000	Range	30 - 135	Recovery	=	0.00%#
39) 2-Hexanone-d5	0.00	63	0	0.00	ug/L	
Spiked Amount	50.000	Range	20 - 135	Recovery	=	0.00%#
48) 1,1,2,2-Tetrachloroethane-	0.00	84	0	0.00	ug/L	
Spiked Amount	25.000	Range	45 - 120	Recovery	=	0.00%#
61) 1,2-Dichlorobenzene-d4	11.68	152	565	1.24	ug/L	0.00
Spiked Amount	25.000	Range	75 - 120	Recovery	=	4.96%#

Target Compounds

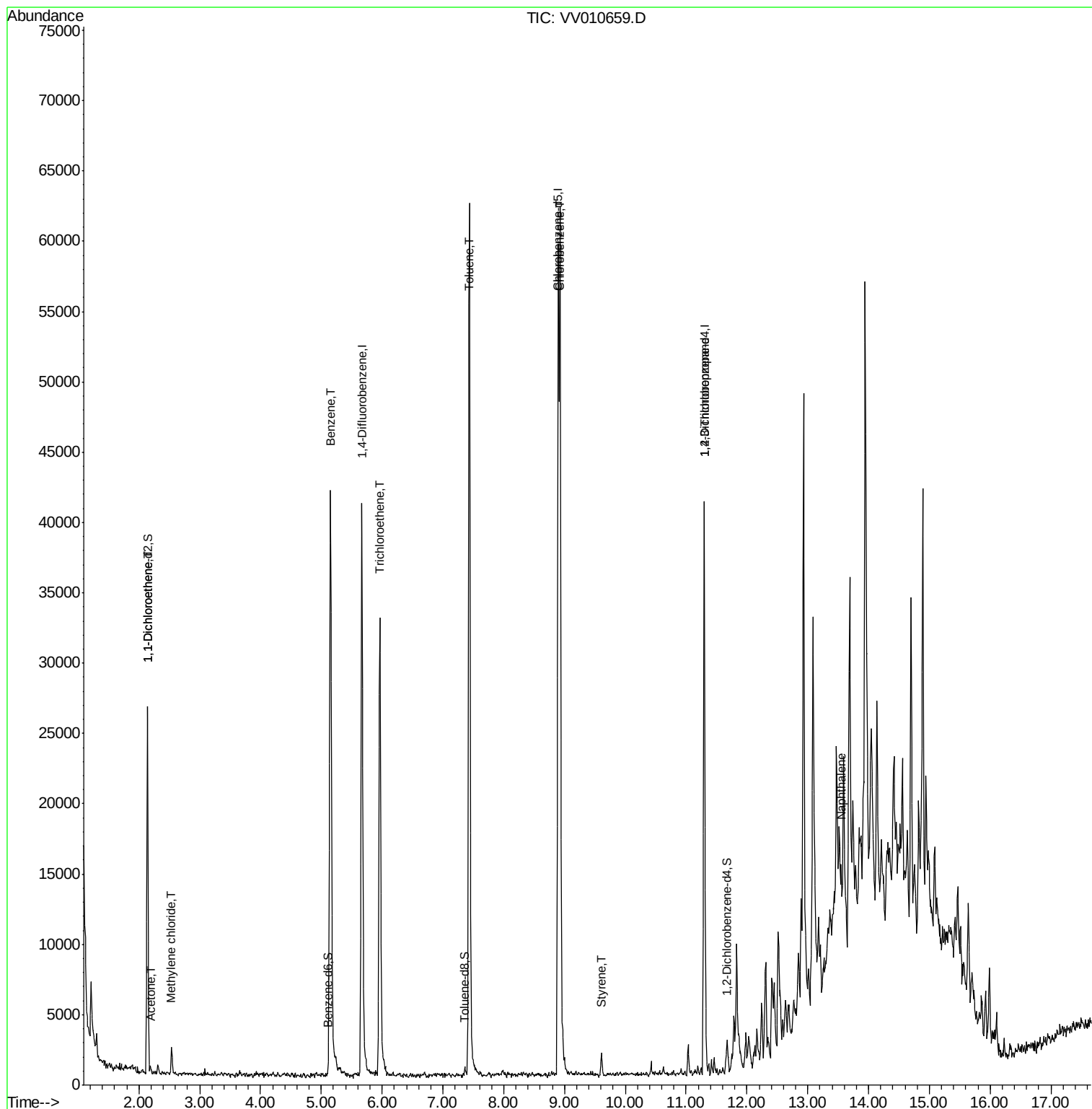
						Qvalue
12) 1,1-Dichloroethene	2.14	96	8363	22.621	ug/L #	63
13) Acetone	2.19	43	394	3.101	ug/L	78
16) Methylene chloride	2.53	84	968	1.804	ug/L	97
34) Benzene	5.15	78	44989	26.725	ug/L	100
35) Trichloroethene	5.96	95	12725	26.501	ug/L	97
44) Toluene	7.43	91	50390	27.122	ug/L	99
52) Chlorobenzene	8.93	112	33311	25.690	ug/L	96
56) Styrene	9.61	104	988	0.748	ug/L	92
59) 1,2,3-Trichloropropane	11.30	75	1314	3.830	ug/L #	88
69) Naphthalene	13.56	128	1286	1.702	ug/L #	76

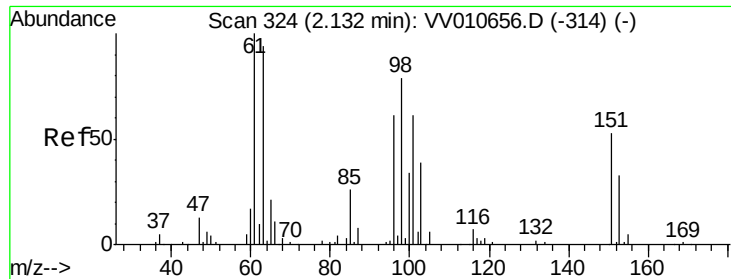
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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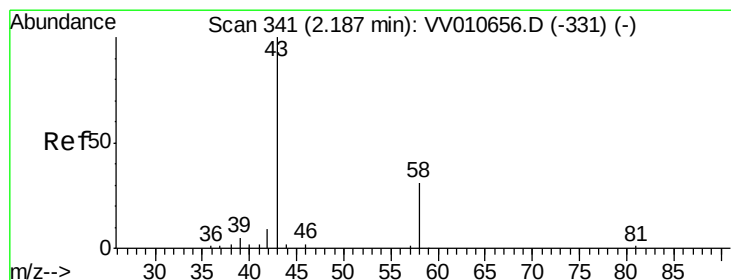
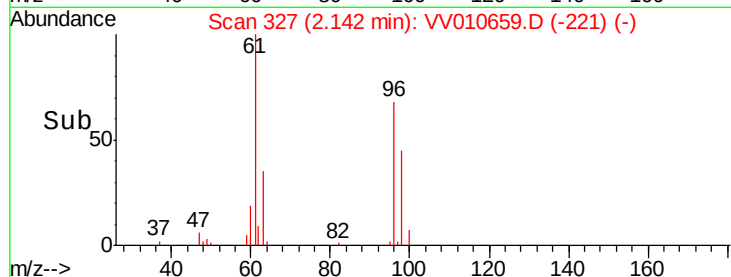
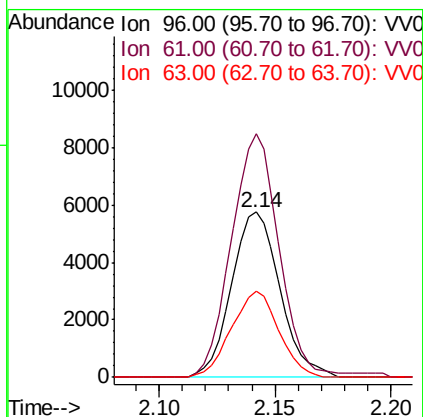
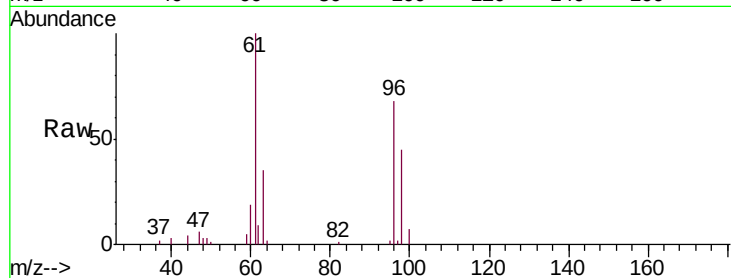




#12
 1,1-Dichloroethene
 Concen: 22.621 ug/L
 RT: 2.14 min Scan# 327
 Delta R.T. 0.01 min
 Lab File: VV010659.D
 Acq: 03 May 2019 14:53

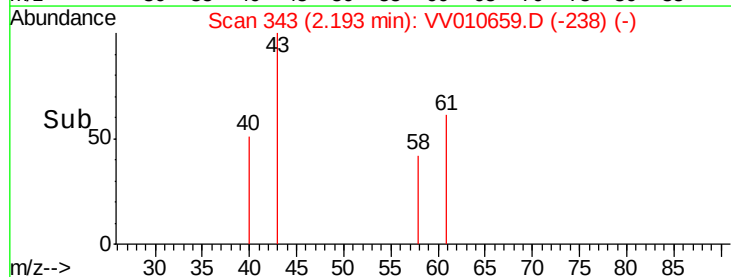
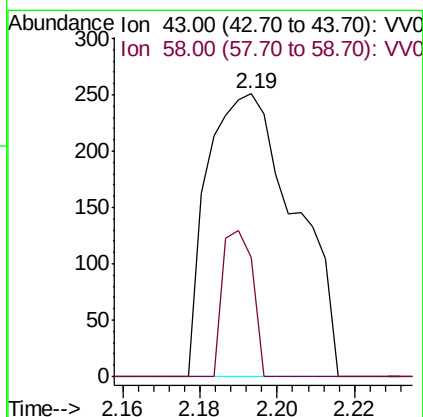
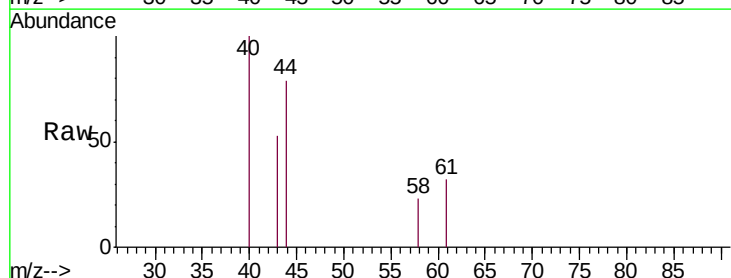
Instrument :
 MSVOA_V
 ClientSampled :
 GAJ55

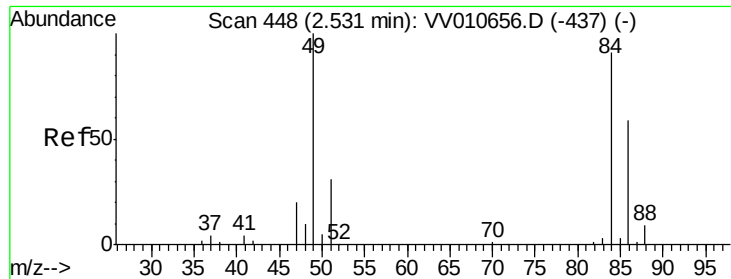
Tgt Ion: 96 Resp: 8363
 Ion Ratio Lower Upper
 96 100
 61 147.2 111.1 206.3
 63 52.2 95.2 176.8#



#13
 Acetone
 Concen: 3.101 ug/L
 RT: 2.19 min Scan# 343
 Delta R.T. 0.01 min
 Lab File: VV010659.D
 Acq: 03 May 2019 14:53

Tgt Ion: 43 Resp: 394
 Ion Ratio Lower Upper
 43 100
 58 17.5 0.0 58.2

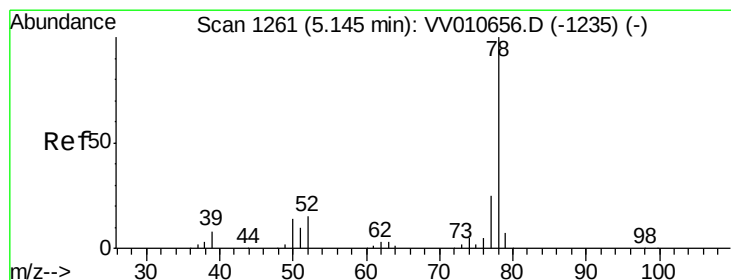
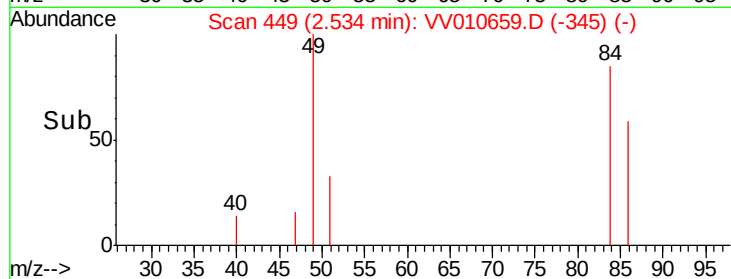
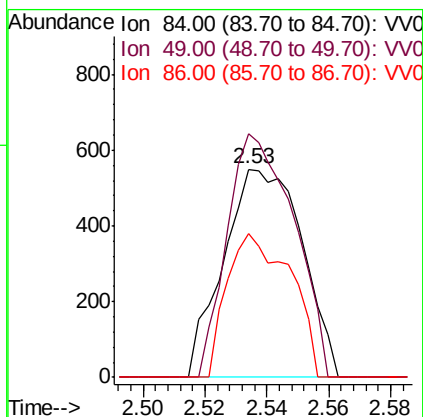
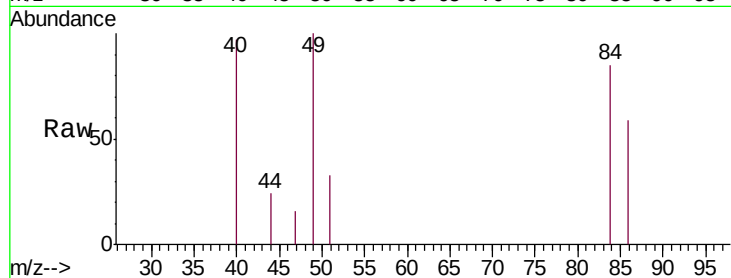




#16
Methylene chloride
Concen: 1.804 ug/L
RT: 2.53 min Scan# 449
Delta R.T. 0.00 min
Lab File: VV010659.D
Acq: 03 May 2019 14:53

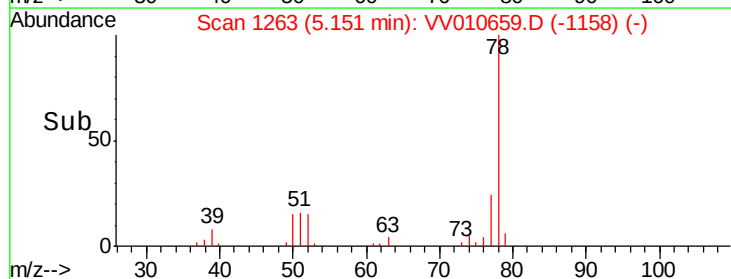
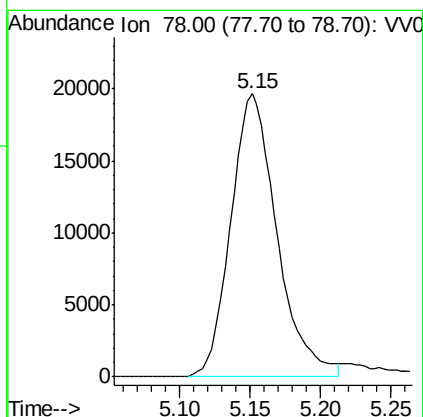
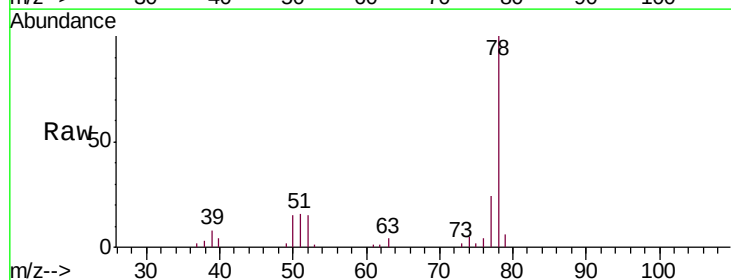
Instrument :
MSVOA_V
ClientSampled :
GAJ55

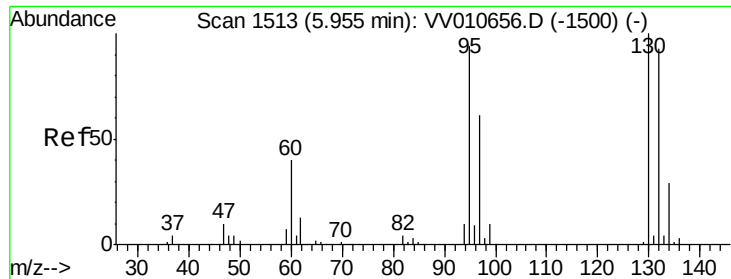
Tgt Ion: 84 Resp: 968
Ion Ratio Lower Upper
84 100
49 117.1 81.9 152.1
86 69.0 44.0 81.6



#34
Benzene
Concen: 26.725 ug/L
RT: 5.15 min Scan# 1263
Delta R.T. 0.01 min
Lab File: VV010659.D
Acq: 03 May 2019 14:53

Tgt Ion: 78 Resp: 44989





#35

Trichloroethene

Concen: 26.501 ug/L

RT: 5.96 min Scan# 1515

Delta R.T. 0.01 min

Lab File: VV010659.D

Acq: 03 May 2019 14:53

Instrument :

MSVOA_V

ClientSampleId :

GAJ55

Tgt Ion: 95 Resp: 12725

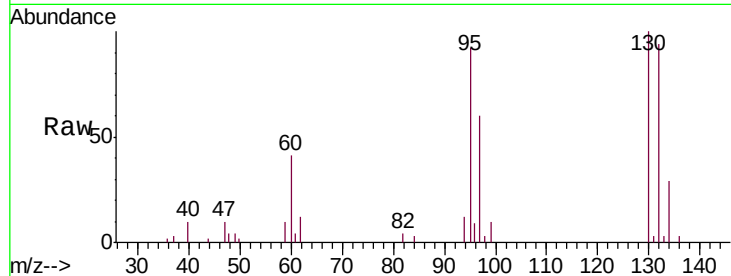
Ion Ratio Lower Upper

95 100

97 63.3 45.0 83.6

132 94.6 69.9 129.9

130 100.5 71.3 132.3



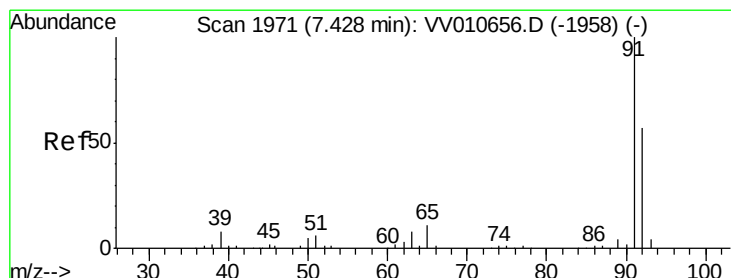
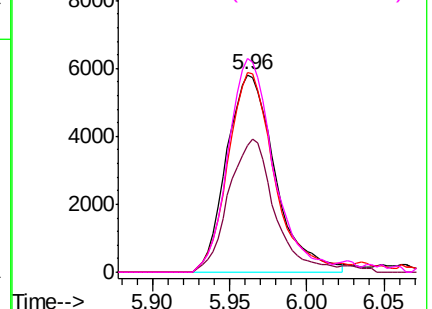
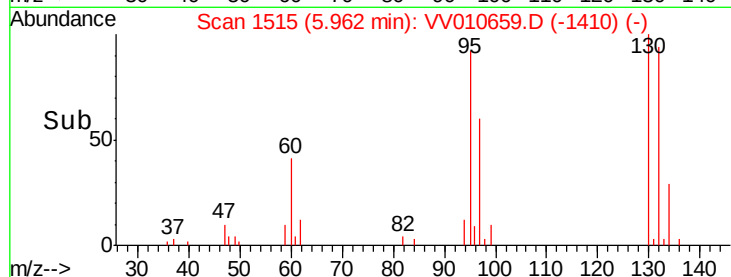
Abundance

Ion 95.00 (94.70 to 95.70): VV0

Ion 97.00 (96.70 to 97.70): VV0

Ion 132.00 (131.70 to 132.70): VV0

Ion 130.00 (129.70 to 130.70): VV0



#44

Toluene

Concen: 27.122 ug/L

RT: 7.43 min Scan# 1973

Delta R.T. 0.01 min

Lab File: VV010659.D

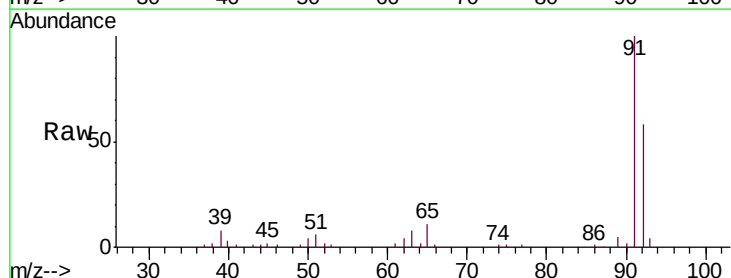
Acq: 03 May 2019 14:53

Tgt Ion: 91 Resp: 50390

Ion Ratio Lower Upper

91 100

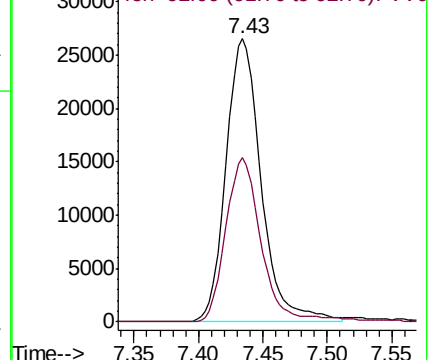
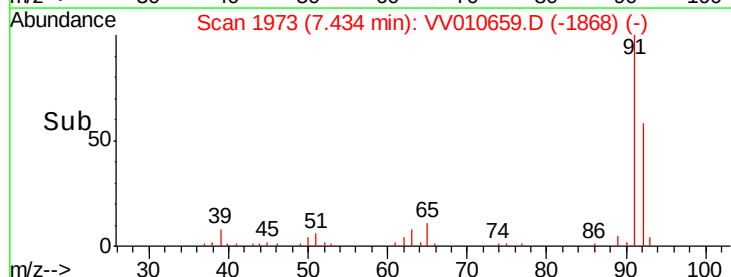
92 58.0 40.1 74.5

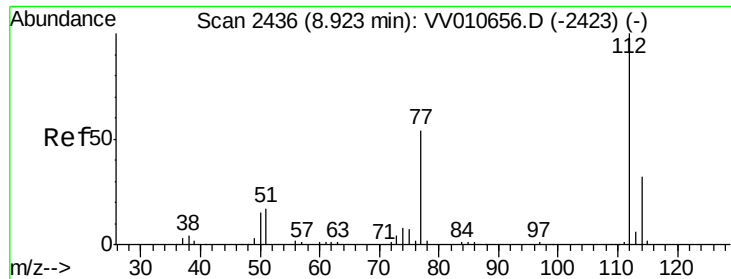


Abundance

Ion 91.00 (90.70 to 91.70): VV0

Ion 92.00 (91.70 to 92.70): VV0

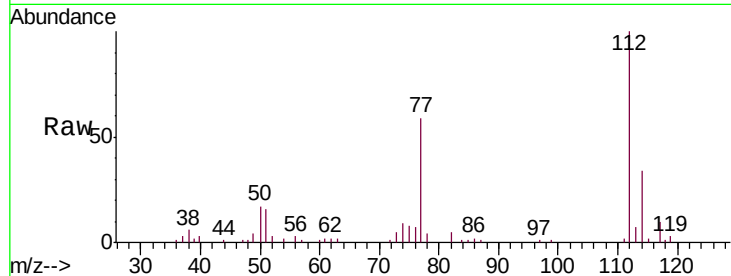




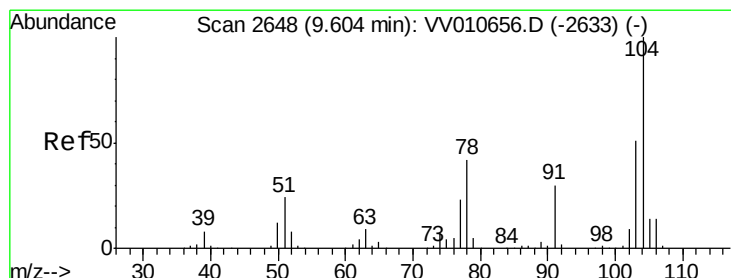
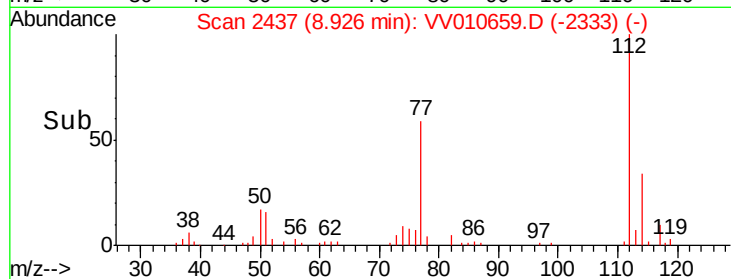
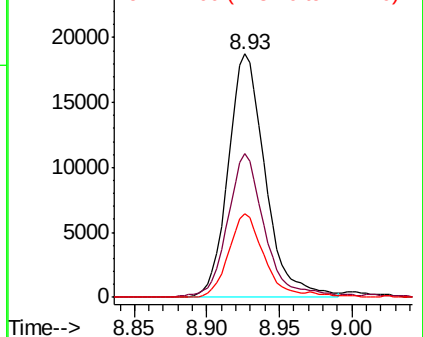
#52
Chlorobenzene
Concen: 25.690 ug/L
RT: 8.93 min Scan# 2437
Delta R.T. 0.00 min
Lab File: VV010659.D
Acq: 03 May 2019 14:53

Instrument :
MSVOA_V
ClientSampleId :
GAJ55

Tgt Ion:112 Resp: 33311
Ion Ratio Lower Upper
112 100
77 58.8 44.5 66.7
114 34.3 22.5 41.7

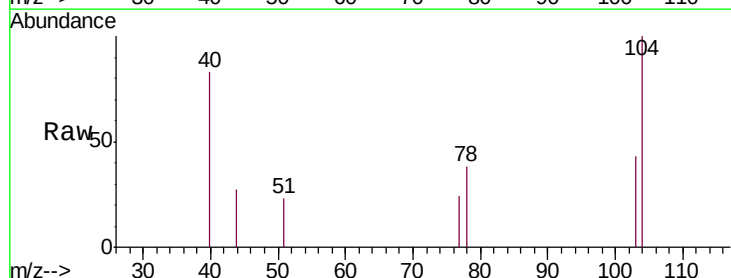


Abundance Ion 112.00 (111.70 to 112.70): V
Ion 77.00 (76.70 to 77.70): VV0
Ion 114.00 (113.70 to 114.70): V

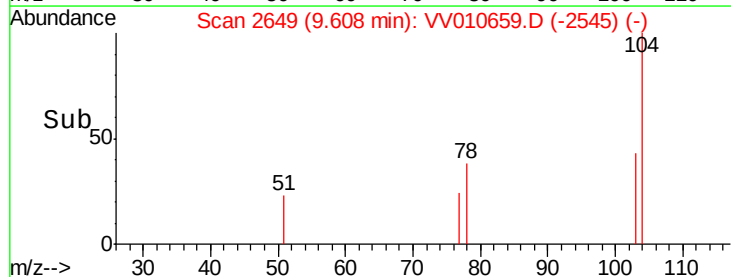
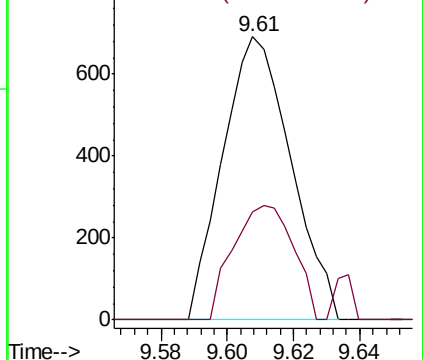


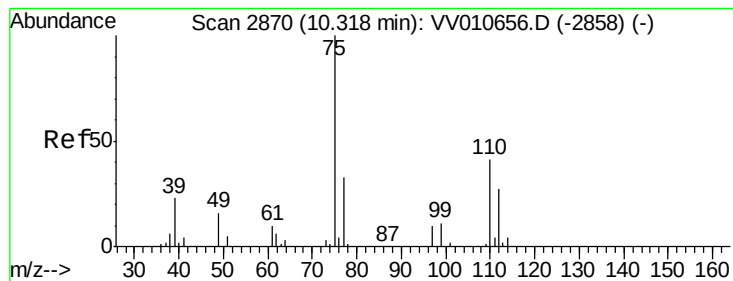
#56
Styrene
Concen: 0.748 ug/L
RT: 9.61 min Scan# 2649
Delta R.T. 0.00 min
Lab File: VV010659.D
Acq: 03 May 2019 14:53

Tgt Ion:104 Resp: 988
Ion Ratio Lower Upper
104 100
78 38.2 30.4 56.5



Abundance Ion 104.00 (103.70 to 104.70): V
Ion 78.00 (77.70 to 78.70): VV0





#59

1,2,3-Trichloropropane

Concen: 3.830 ug/L

RT: 11.30 min Scan# 3175

Delta R.T. 0.98 min

Lab File: VV010659.D

Acq: 03 May 2019 14:53

Instrument :

MSVOA_V

ClientSampled :

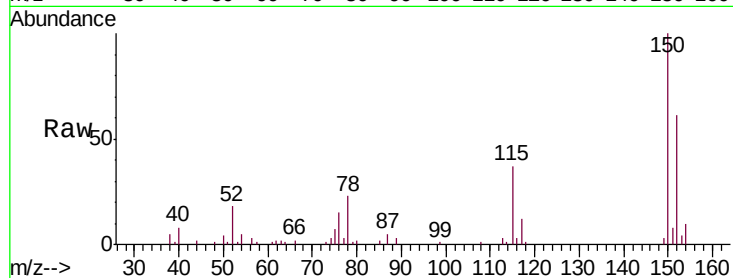
GAJ55

Tgt Ion: 75 Resp: 1314

Ion Ratio Lower Upper

75 100

77 38.5 25.6 38.4#



Abundance Ion 75.00 (74.70 to 75.70): VV010656.D (-2858) (-)

Ion 77.00 (76.70 to 77.70): VV010659.D (-2248) (-)

11.30

800

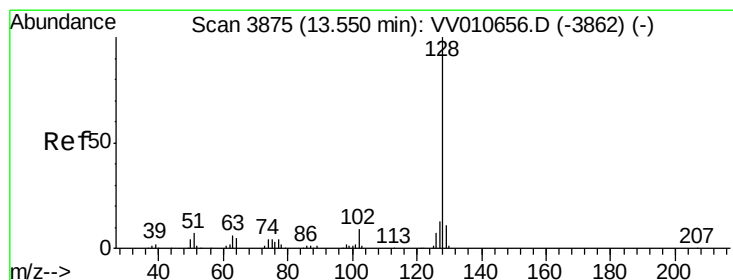
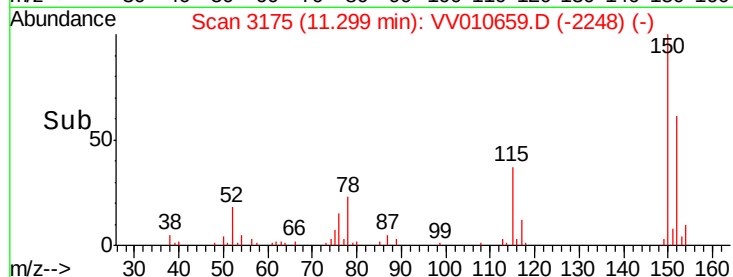
600

400

200

0

Time-->



#69

Naphthalene

Concen: 1.702 ug/L

RT: 13.56 min Scan# 3877

Delta R.T. 0.01 min

Lab File: VV010659.D

Acq: 03 May 2019 14:53

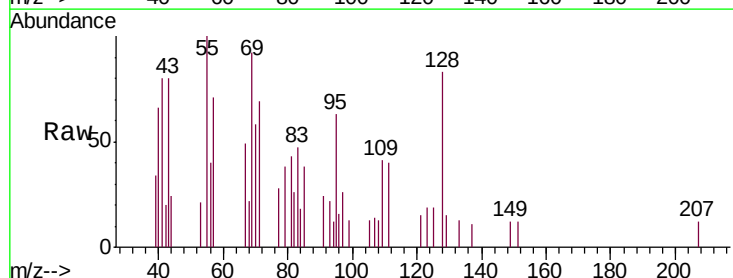
Tgt Ion: 128 Resp: 1286

Ion Ratio Lower Upper

128 100

129 5.5 8.6 13.0#

127 0.0 10.6 15.8#



Abundance Ion 128.00 (127.70 to 128.70): VV010656.D (-3862) (-)

Ion 129.00 (128.70 to 129.70): VV010659.D (-3772) (-)

Ion 127.00 (126.70 to 127.70): VV010659.D (-3772) (-)

13.56

1000

800

600

400

200

0

Time-->

