

Data File : VV012939.D
Acq On : 23 Sep 2019 16:26
Operator : SY/MD
Sample : K4958-13MSD
Misc : 5.38G/10ML/MSVOA_V/SOIL
ALS Vial : 1 Sample Multiplier: 1

Instrument :
MSVOA_V
ClientSampleId :
ESN3MSD

Quant Time: Sep 24 07:42:09 2019
Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_V\METHOD\SOM2VLM092319S.M
Quant Title : VOC Analysis
QLast Update : Tue Sep 24 07:38:53 2019
Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Difluorobenzene	5.66	114	608955	25.00	ug/L	0.00
28) Chlorobenzene-d5	8.89	117	568301	25.00	ug/L	0.00
60) 1,4-Dichlorobenzene-d4	11.29	152	214980	25.00	ug/L	0.00

System Monitoring Compounds

4) Vinyl Chloride-d3	1.32	65	211846	22.42	ug/L	0.00
Spiked Amount	25.000	Range	30 - 150	Recovery	=	89.68%
7) Chloroethane-d5	1.58	69	187764	24.58	ug/L	0.00
Spiked Amount	25.000	Range	30 - 150	Recovery	=	98.32%
10) 1,1-Dichloroethene-d2	2.13	63	375090	23.87	ug/L	0.00
Spiked Amount	25.000	Range	45 - 110	Recovery	=	95.48%
20) 2-Butanone-d5	3.95	46	120637	36.98	ug/L	0.01
Spiked Amount	50.000	Range	20 - 135	Recovery	=	73.96%
24) Chloroform-d	4.40	84	388081	23.20	ug/L	0.00
Spiked Amount	25.000	Range	40 - 150	Recovery	=	92.80%
26) 1,2-Dichloroethane-d4	5.08	65	238571	24.53	ug/L	0.00
Spiked Amount	25.000	Range	70 - 130	Recovery	=	98.12%
29) Benzene-d6	5.10	84	803328	25.32	ug/L	0.00
Spiked Amount	25.000	Range	20 - 135	Recovery	=	101.28%
33) 1,2-Dichloropropane-d6	6.12	67	263123	26.46	ug/L	0.00
Spiked Amount	25.000	Range	70 - 120	Recovery	=	105.84%
37) Toluene-d8	7.36	98	685909	23.81	ug/L	0.00
Spiked Amount	25.000	Range	30 - 130	Recovery	=	95.24%
38) trans-1,3-Dichloropropene-	7.66	79	96040	22.80	ug/L	0.00
Spiked Amount	25.000	Range	30 - 135	Recovery	=	91.20%
39) 2-Hexanone-d5	8.14	63	77058	38.50	ug/L	0.00
Spiked Amount	50.000	Range	20 - 135	Recovery	=	77.00%
48) 1,1,2,2-Tetrachloroethane-	10.26	84	210007	22.23	ug/L	0.00
Spiked Amount	25.000	Range	45 - 120	Recovery	=	88.92%
61) 1,2-Dichlorobenzene-d4	11.67	152	212359	25.42	ug/L	0.00
Spiked Amount	25.000	Range	75 - 120	Recovery	=	101.68%

Target Compounds

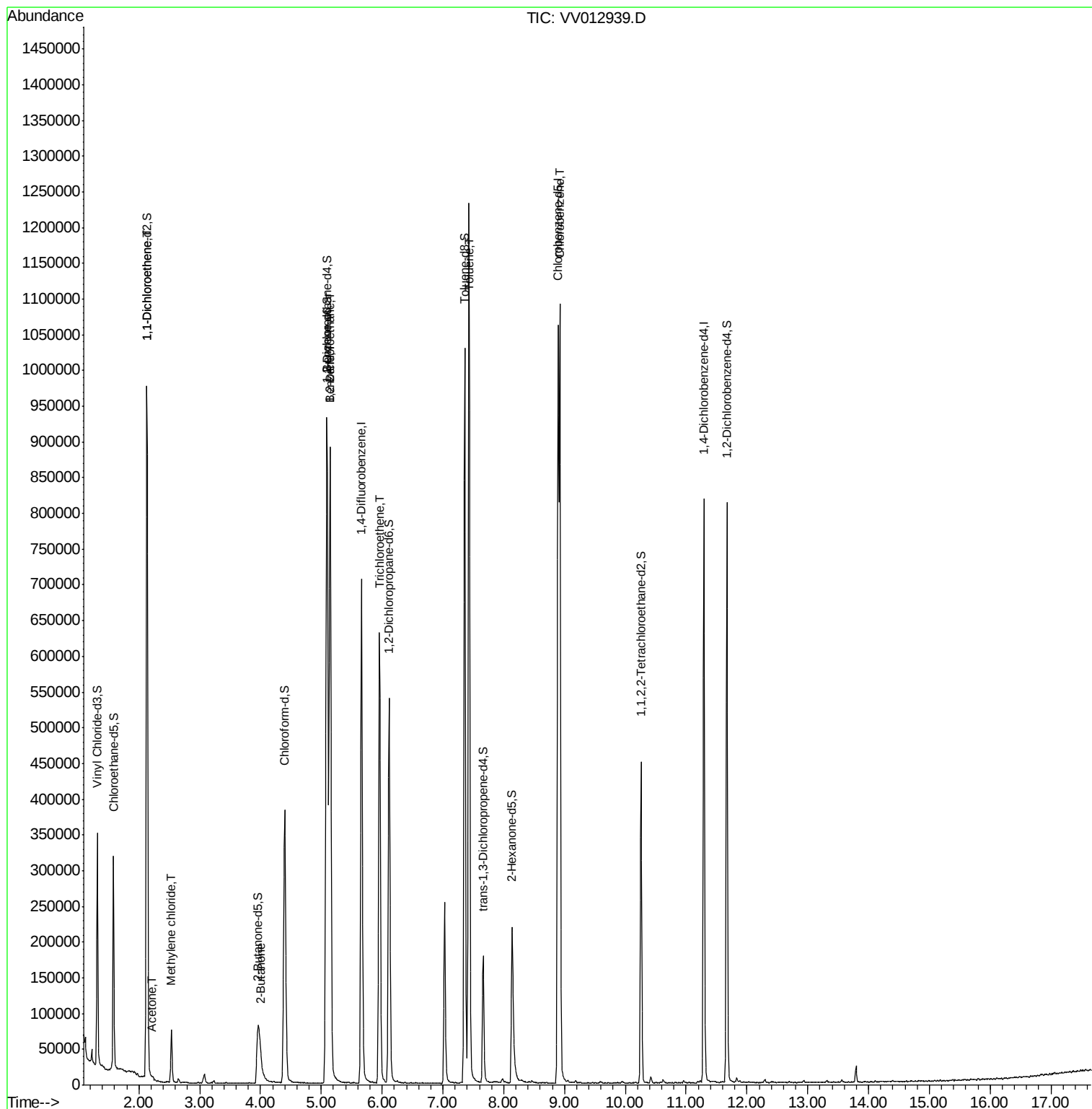
						Qvalue
12) 1,1-Dichloroethene	2.14	96	186452	27.086	ug/L	96
13) Acetone	2.21	43	4397	1.268	ug/L	48
16) Methylene chloride	2.53	84	29928	3.288	ug/L	94
21) 2-Butanone	4.01	43	8077	2.002	ug/L #	55
27) 1,2-Dichloroethane	5.14	62	7049	0.640	ug/L #	72
34) Benzene	5.14	78	872620	27.585	ug/L	100
35) Trichloroethene	5.96	95	211658	24.019	ug/L	99
44) Toluene	7.43	91	883563	26.483	ug/L	100
52) Chlorobenzene	8.92	112	565064	24.542	ug/L	100

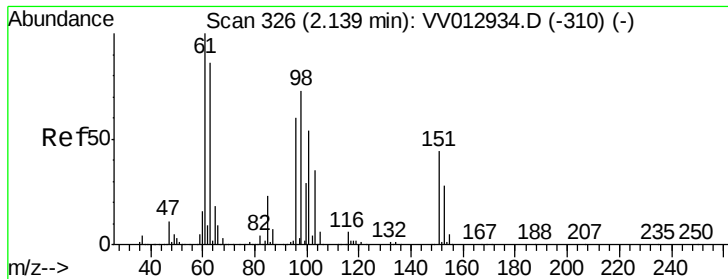
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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Response via : Initial Calibration





#12

1,1-Dichloroethene

Concen: 27.086 ug/L

RT: 2.14 min Scan# 326

Delta R.T. -0.00 min

Lab File: VV012939.D

Acq: 23 Sep 2019 16:26

Instrument :

MSVOA_V

ClientSampleId :

ESNZ3MSD

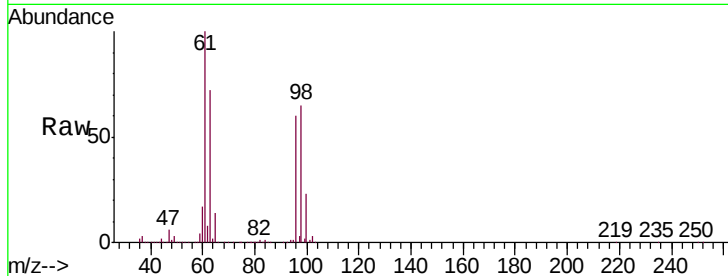
Tgt Ion: 96 Resp: 186452

Ion Ratio Lower Upper

96 100

61 165.8 117.2 217.8

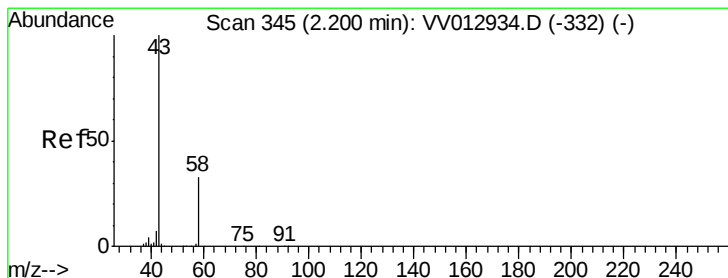
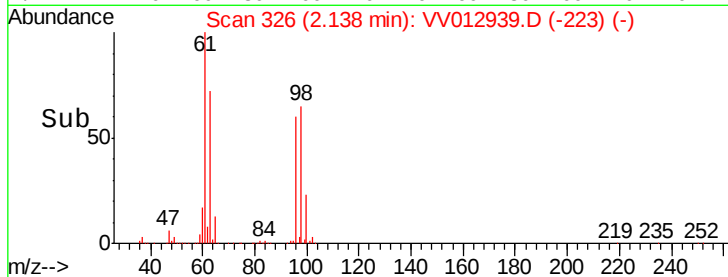
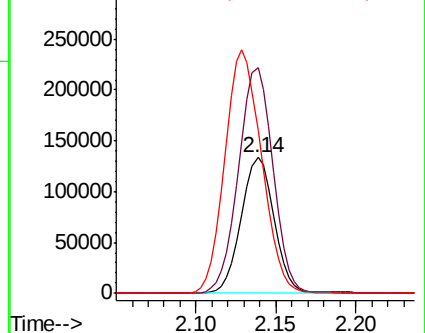
63 120.1 89.6 166.4



Abundance Ion 96.00 (95.70 to 96.70): VV0

Ion 61.00 (60.70 to 61.70): VV0

Ion 63.00 (62.70 to 63.70): VV0



#13

Acetone

Concen: 1.268 ug/L

RT: 2.21 min Scan# 349

Delta R.T. 0.01 min

Lab File: VV012939.D

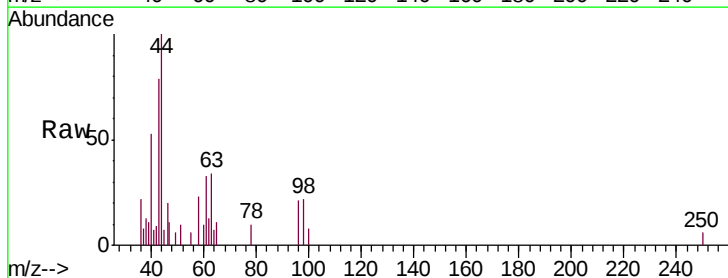
Acq: 23 Sep 2019 16:26

Tgt Ion: 43 Resp: 4397

Ion Ratio Lower Upper

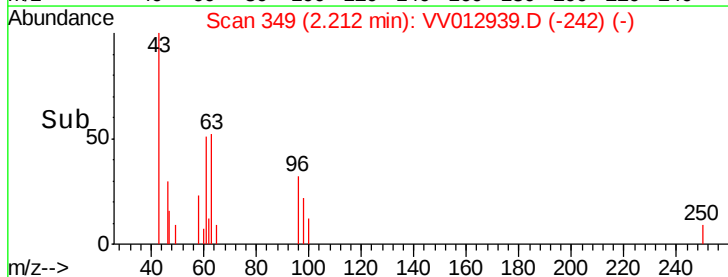
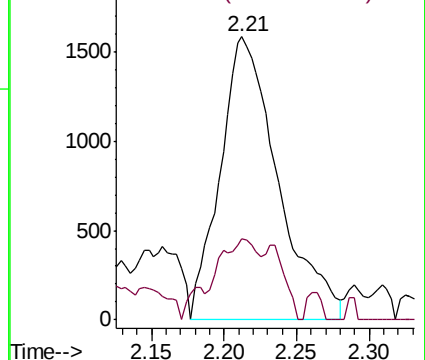
43 100

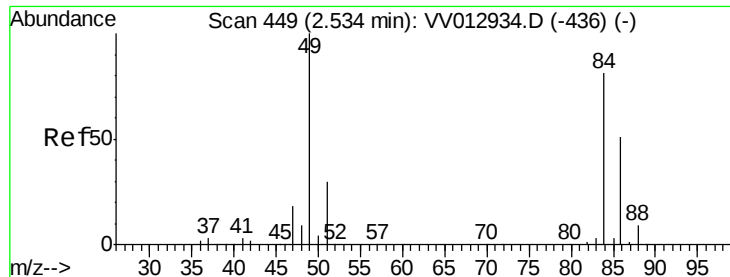
58 3.5 0.0 65.0



Abundance Ion 43.00 (42.70 to 43.70): VV0

Ion 58.00 (57.70 to 58.70): VV0

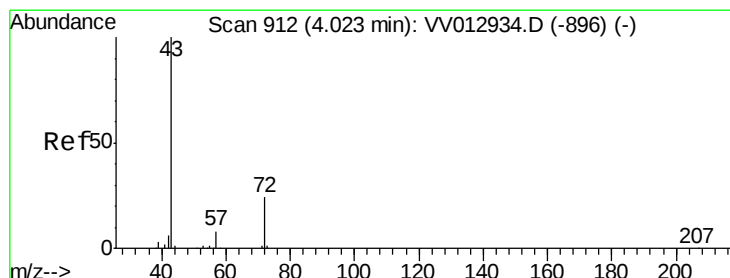
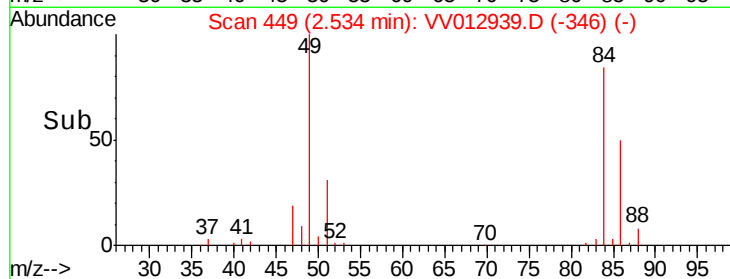
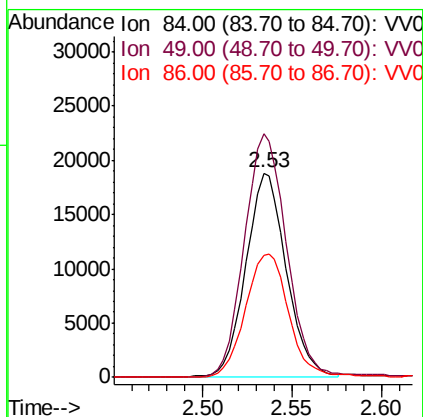
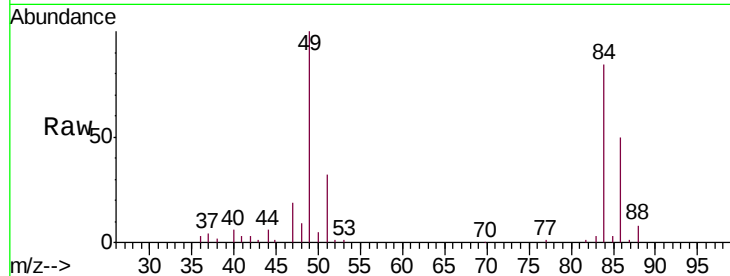




#16
Methylene chloride
Concen: 3.288 ug/L
RT: 2.53 min Scan# 449
Delta R.T. -0.00 min
Lab File: VV012939.D
Acq: 23 Sep 2019 16:26

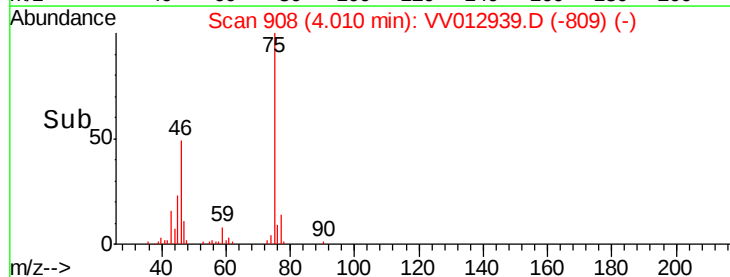
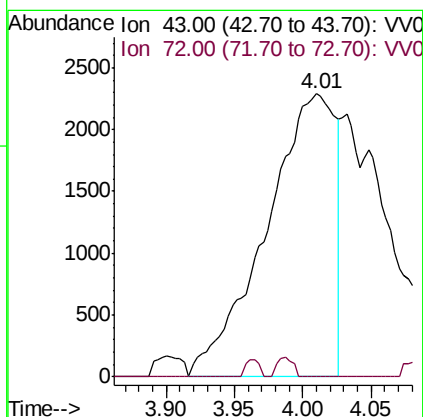
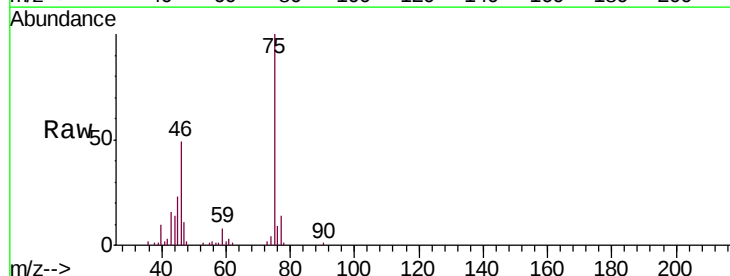
Instrument :
MSVOA_V
ClientSampleId :
ESNZ3MSD

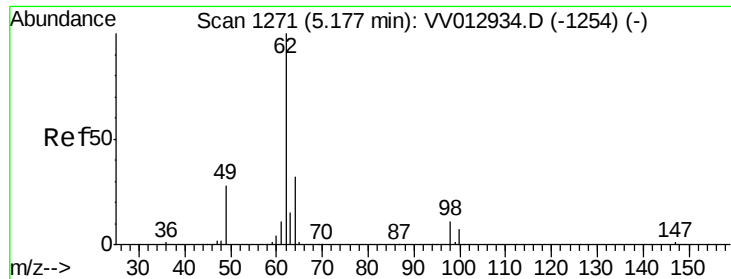
Tgt Ion: 84 Resp: 29928
Ion Ratio Lower Upper
84 100
49 119.1 88.3 164.1
86 59.6 44.9 83.3



#21
2-Butanone
Concen: 2.002 ug/L
RT: 4.01 min Scan# 908
Delta R.T. -0.01 min
Lab File: VV012939.D
Acq: 23 Sep 2019 16:26

Tgt Ion: 43 Resp: 8077
Ion Ratio Lower Upper
43 100
72 1.5 11.9 35.9#





#27

1,2-Dichloroethane

Concen: 0.640 ug/L

RT: 5.14 min Scan# 1260

Delta R.T. -0.04 min

Lab File: VV012939.D

Acq: 23 Sep 2019 16:26

Instrument :

MSVOA_V

ClientSampleId :

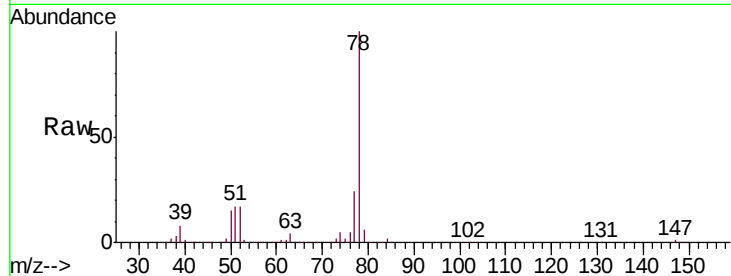
ESNZ3MSD

Tgt Ion: 62 Resp: 7049

Ion Ratio Lower Upper

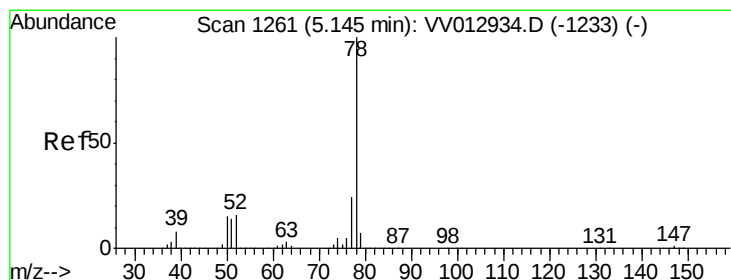
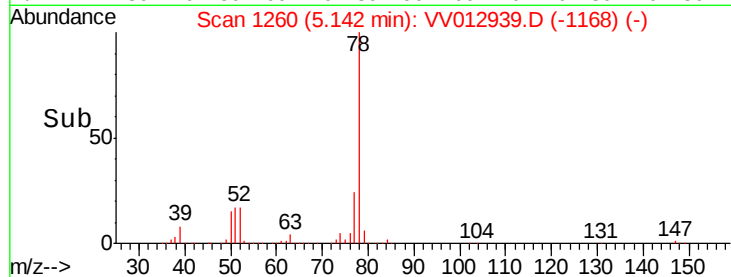
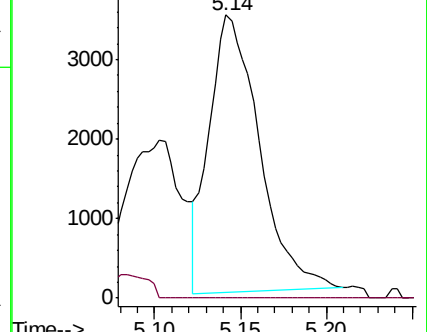
62 100

98 0.0 8.2 12.4#



Abundance Ion 62.00 (61.70 to 62.70): VV012939.D (-1168) (-)

Ion 98.00 (97.70 to 98.70): VV012939.D (-1168) (-)



#34

Benzene

Concen: 27.585 ug/L

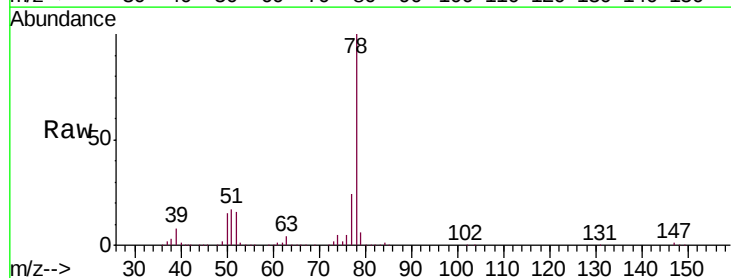
RT: 5.14 min Scan# 1261

Delta R.T. -0.00 min

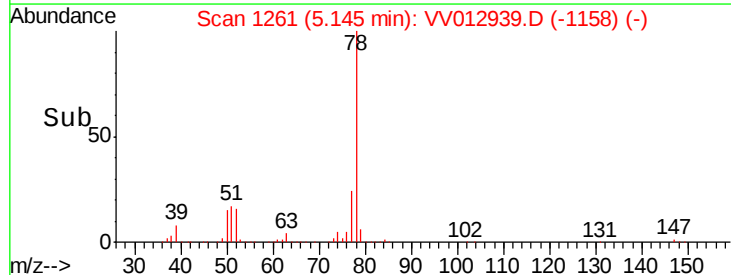
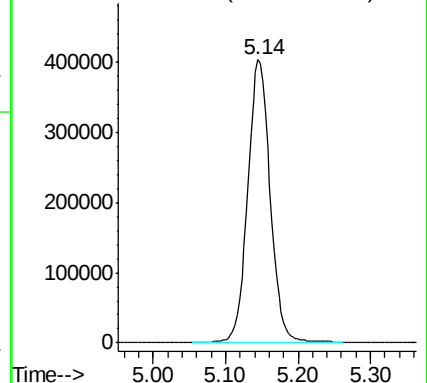
Lab File: VV012939.D

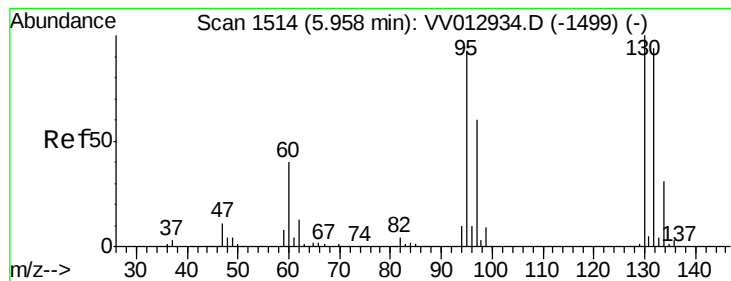
Acq: 23 Sep 2019 16:26

Tgt Ion: 78 Resp: 872620



Abundance Ion 78.00 (77.70 to 78.70): VV012939.D (-1158) (-)





#35

Trichloroethene

Concen: 24.019 ug/L

RT: 5.96 min Scan# 1514

Delta R.T. -0.00 min

Lab File: VV012939.D

Acq: 23 Sep 2019 16:26

Instrument :

MSVOA_V

ClientSampleId :

ESNZ3MSD

Tgt Ion: 95 Resp: 211658

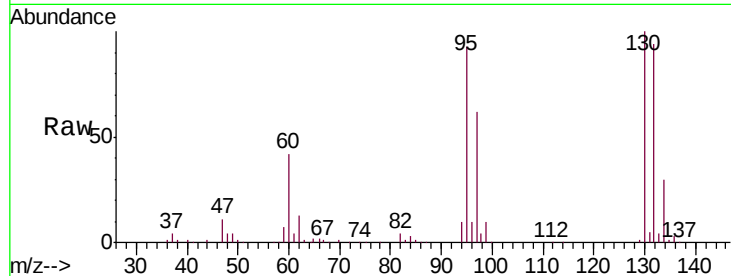
Ion Ratio Lower Upper

95 100

97 64.7 44.7 82.9

132 99.9 70.1 130.1

130 105.8 73.3 136.1

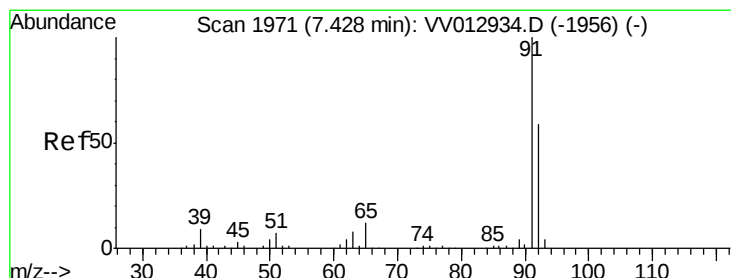
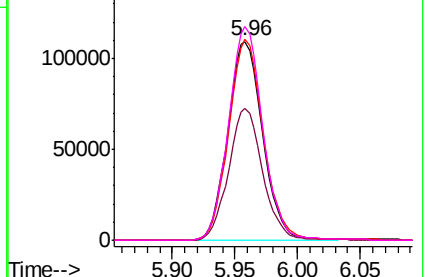
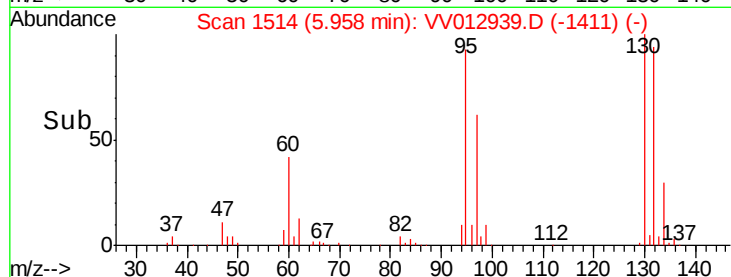


Abundance Ion 95.00 (94.70 to 95.70): VV0

Ion 97.00 (96.70 to 97.70): VV0

Ion 132.00 (131.70 to 132.70): V

Ion 130.00 (129.70 to 130.70): V



#44

Toluene

Concen: 26.483 ug/L

RT: 7.43 min Scan# 1971

Delta R.T. -0.00 min

Lab File: VV012939.D

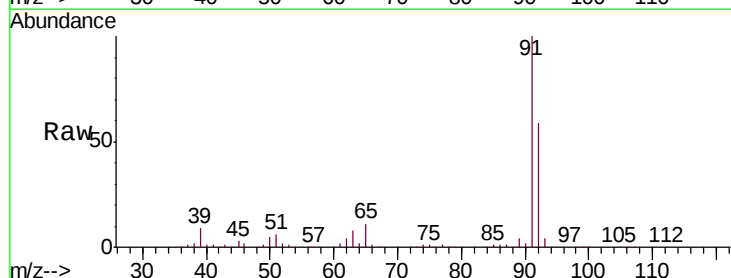
Acq: 23 Sep 2019 16:26

Tgt Ion: 91 Resp: 883563

Ion Ratio Lower Upper

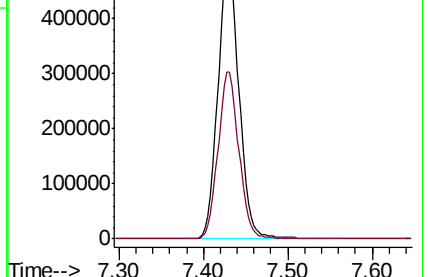
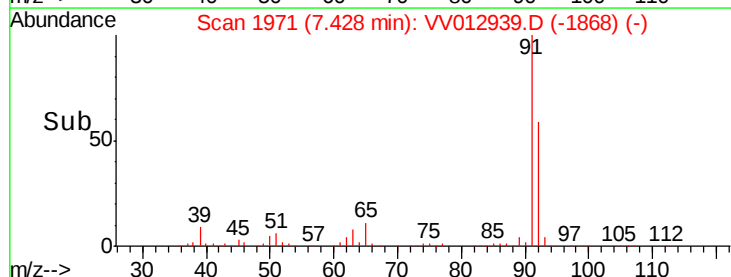
91 100

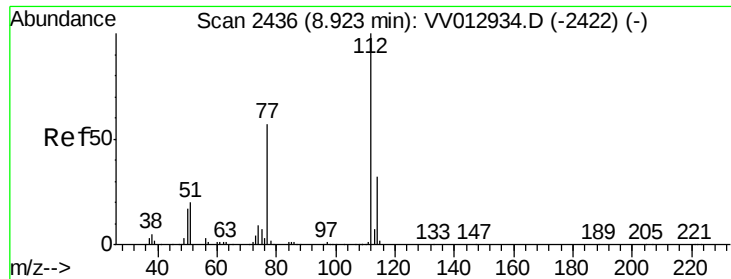
92 59.1 41.3 76.7



Abundance Ion 91.00 (90.70 to 91.70): VV0

Ion 92.00 (91.70 to 92.70): VV0





#52

Chlorobenzene

Concen: 24.542 ug/L

RT: 8.92 min Scan# 2436

Delta R.T. -0.00 min

Lab File: VV012939.D

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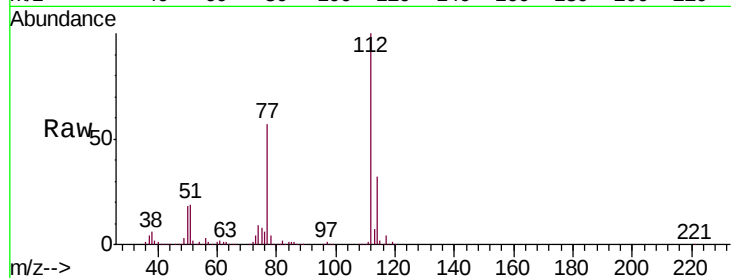
Tgt Ion:112 Resp: 565064

Ion Ratio Lower Upper

112 100

77 57.4 46.3 69.5

114 32.1 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

