

Data File : VV010681.D
Acq On : 06 May 2019 16:38
Operator : SY/MD
Sample : K2634-03MSD
Misc : 5.10G/10ML/MSVOA_V/SOIL
ALS Vial : 1 Sample Multiplier: 1

Quant Time: May 07 04:06:10 2019
Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_V\METHOD\SOM2VLM050219S.M
Quant Title : VOC Analysis
QLast Update : Tue May 07 04:01:38 2019
Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Difluorobenzene	5.66	114	222310	25.00	ug/L	0.00
28) Chlorobenzene-d5	8.90	117	213839	25.00	ug/L	0.00
60) 1,4-Dichlorobenzene-d4	11.30	152	94873	25.00	ug/L	0.00

System Monitoring Compounds

4) Vinyl Chloride-d3	1.32	65	33502	11.90	ug/L	0.00
Spiked Amount	25.000	Range	30 - 150	Recovery	=	47.60%
7) Chloroethane-d5	1.58	69	27956	14.19	ug/L	0.01
Spiked Amount	25.000	Range	30 - 150	Recovery	=	56.76%
10) 1,1-Dichloroethene-d2	2.13	63	72324	14.65	ug/L	0.00
Spiked Amount	25.000	Range	45 - 110	Recovery	=	58.60%
20) 2-Butanone-d5	3.94	46	25740	30.06	ug/L	0.00
Spiked Amount	50.000	Range	20 - 135	Recovery	=	60.12%
24) Chloroform-d	4.40	84	108888	18.96	ug/L	0.00
Spiked Amount	25.000	Range	40 - 150	Recovery	=	75.84%
26) 1,2-Dichloroethane-d4	5.08	65	58343	17.73	ug/L	0.00
Spiked Amount	25.000	Range	70 - 130	Recovery	=	70.92%
29) Benzene-d6	5.10	84	229898	20.75	ug/L	0.00
Spiked Amount	25.000	Range	20 - 135	Recovery	=	83.00%
33) 1,2-Dichloropropane-d6	6.12	67	71131	20.95	ug/L	0.00
Spiked Amount	25.000	Range	70 - 120	Recovery	=	83.80%
37) Toluene-d8	7.36	98	215836	20.27	ug/L	0.00
Spiked Amount	25.000	Range	30 - 130	Recovery	=	81.08%
38) trans-1,3-Dichloropropene-	7.66	79	25644	18.28	ug/L	0.00
Spiked Amount	25.000	Range	30 - 135	Recovery	=	73.12%
39) 2-Hexanone-d5	8.13	63	21185	35.05	ug/L	0.00
Spiked Amount	50.000	Range	20 - 135	Recovery	=	70.10%
48) 1,1,2,2-Tetrachloroethane-	10.26	84	51442	16.81	ug/L	0.00
Spiked Amount	25.000	Range	45 - 120	Recovery	=	67.24%
61) 1,2-Dichlorobenzene-d4	11.67	152	80230	21.98	ug/L	0.00
Spiked Amount	25.000	Range	75 - 120	Recovery	=	87.92%

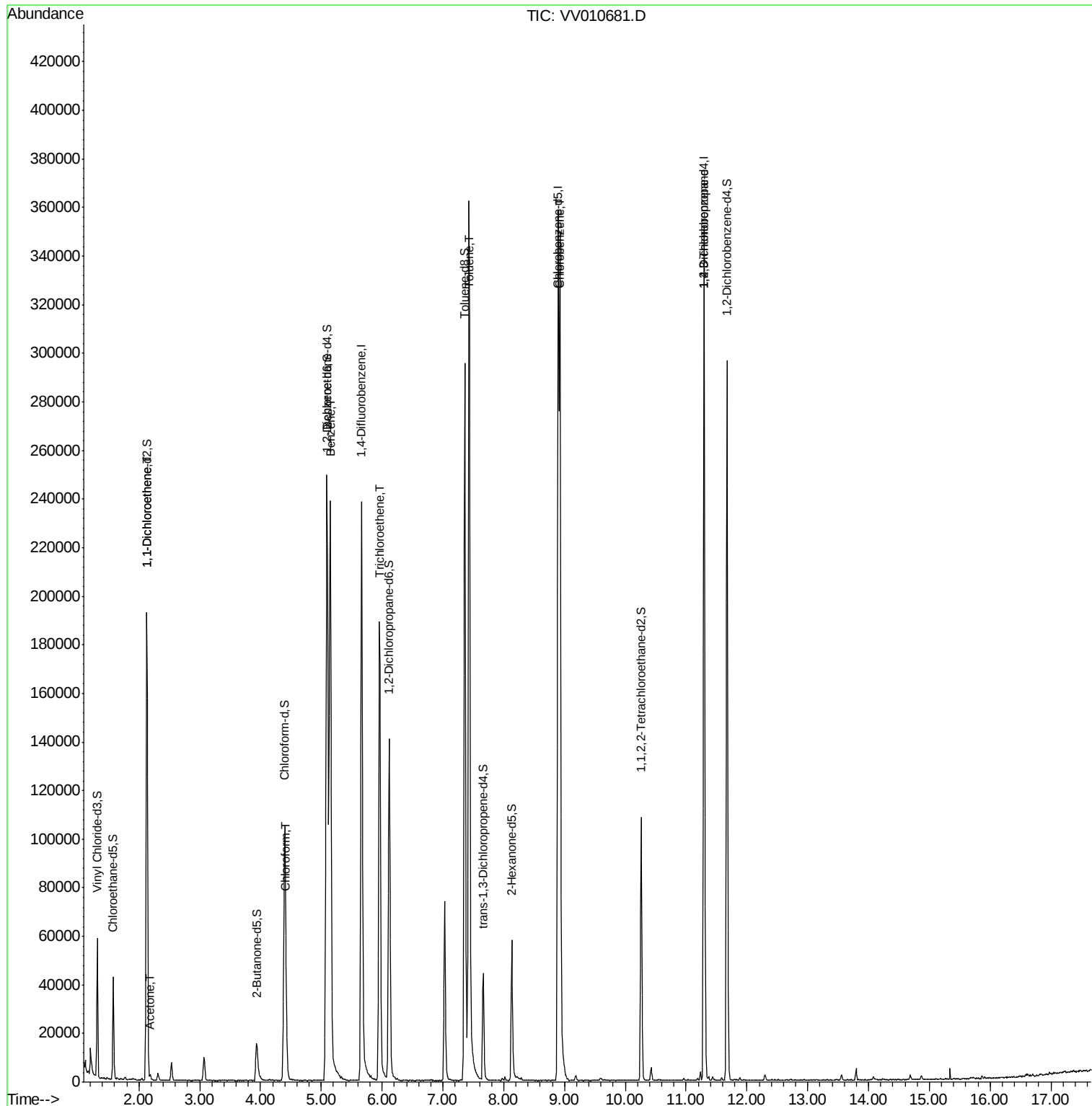
Target Compounds

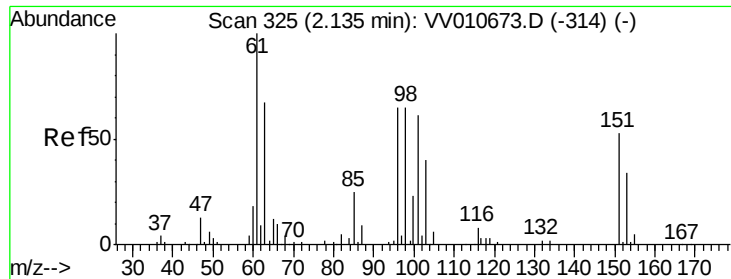
						Qvalue
12) 1,1-Dichloroethene	2.14	96	36925	17.289	ug/L	98
13) Acetone	2.19	43	1220	1.662	ug/L	99
25) Chloroform	4.43	83	7245	1.321	ug/L	79
34) Benzene	5.15	78	245001	23.967	ug/L	100
35) Trichloroethene	5.96	95	67076	23.005	ug/L	99
44) Toluene	7.43	91	286870	25.427	ug/L	99
52) Chlorobenzene	8.93	112	187626	23.829	ug/L	98
59) 1,2,3-Trichloropropane	11.29	75	10645	5.109	ug/L	89

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

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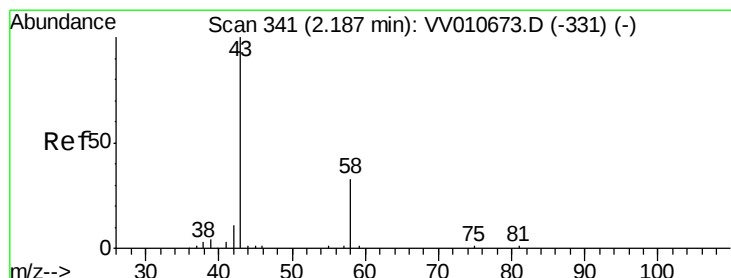
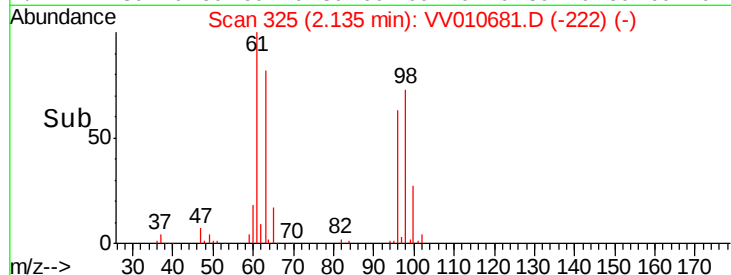
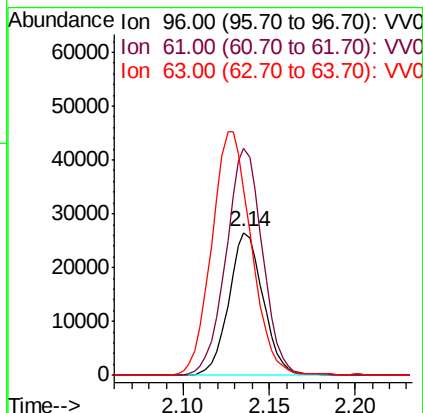
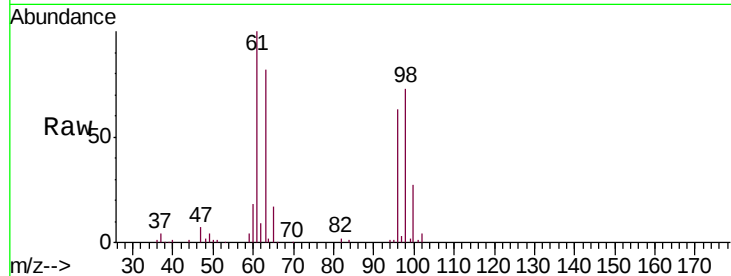
Quant Time: May 07 04:06:10 2019
Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_V\METHOD\SOM2VLM050219S.M
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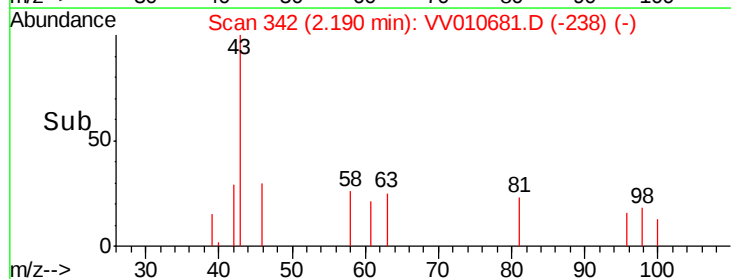
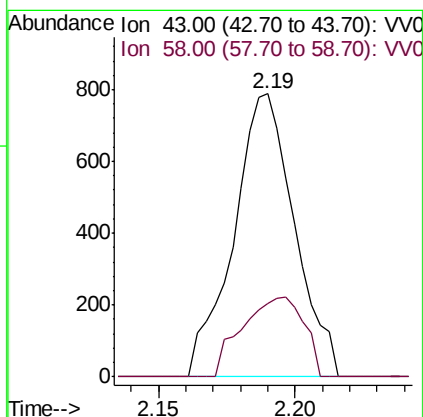
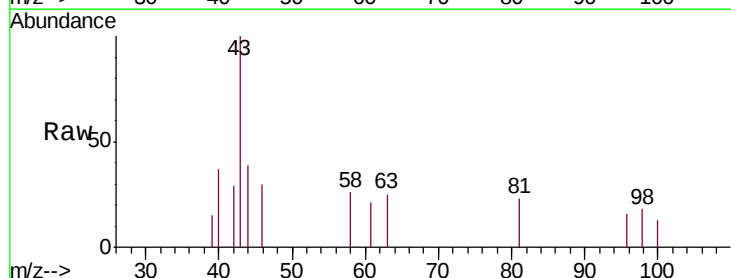
#12
 1,1-Dichloroethene
 Concen: 17.289 ug/L
 RT: 2.14 min Scan# 325
 Delta R.T. 0.00 min
 Lab File: VV010681.D
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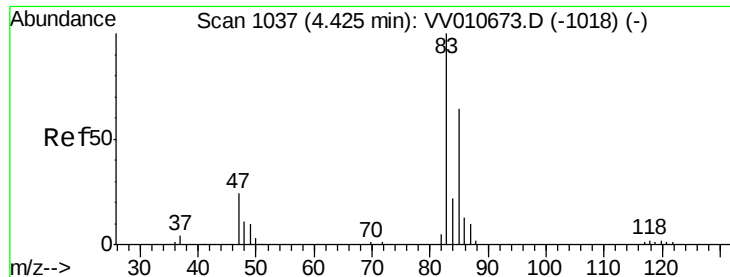
Tgt Ion:	96	Resp:	36925
Ion	Ratio	Lower	Upper
96	100		
61	159.6	111.1	206.3
63	130.5	95.2	176.8



#13
 Acetone
 Concen: 1.662 ug/L
 RT: 2.19 min Scan# 342
 Delta R.T. 0.00 min
 Lab File: VV010681.D
 Acq: 06 May 2019 16:38

Tgt Ion:	43	Resp:	1220
Ion	Ratio	Lower	Upper
43	100		
58	28.8	0.0	58.2





#25

Chloroform

Concen: 1.321 ug/L

RT: 4.43 min Scan# 1038

Delta R.T. 0.00 min

Lab File: VV010681.D

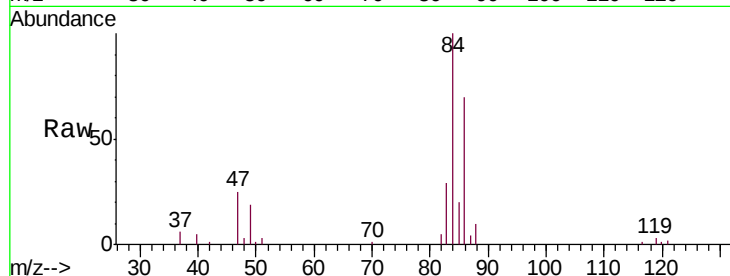
Acq: 06 May 2019 16:38

Tgt Ion: 83 Resp: 7245

Ion Ratio Lower Upper

83 100

85 83.2 46.3 86.1



Abundance Ion 83.00 (82.70 to 83.70): VV010673.D (-1018) (-)

Ion 85.00 (84.70 to 85.70): VV010681.D (-934) (-)

4.43

3000

2500

2000

1500

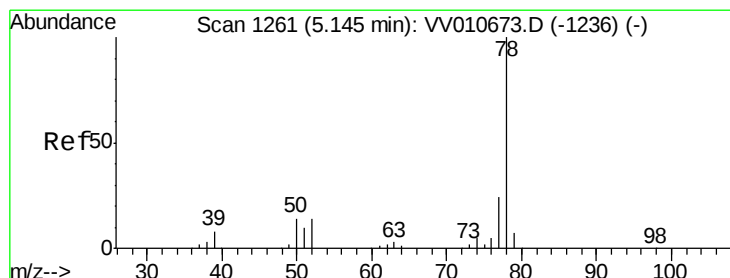
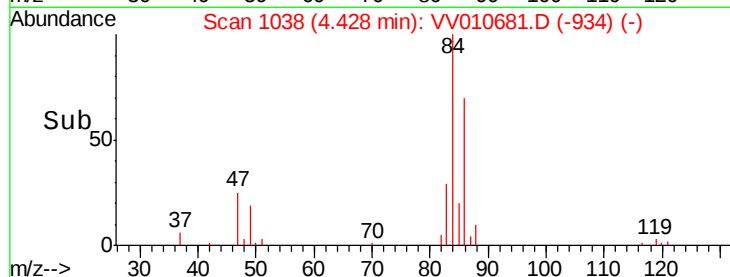
1000

500

0

4.35 4.40 4.45 4.50

Time-->



#34

Benzene

Concen: 23.967 ug/L

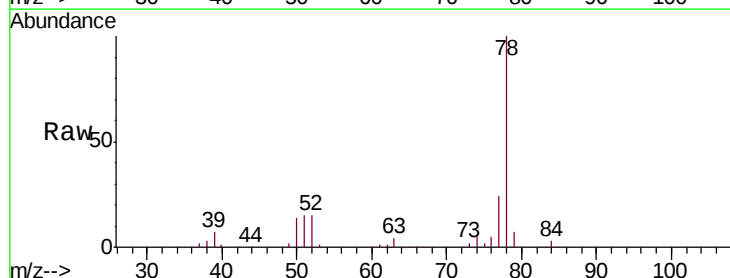
RT: 5.15 min Scan# 1262

Delta R.T. 0.00 min

Lab File: VV010681.D

Acq: 06 May 2019 16:38

Tgt Ion: 78 Resp: 245001



Abundance Ion 78.00 (77.70 to 78.70): VV010673.D (-1236) (-)

120000

100000

80000

60000

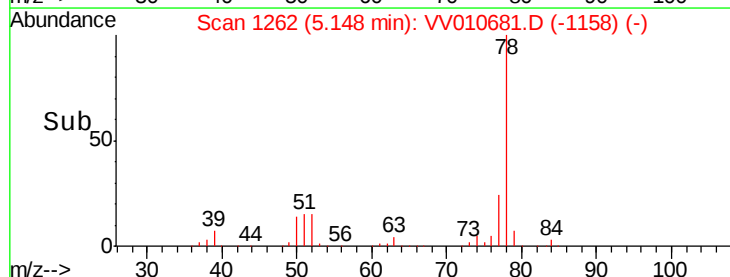
40000

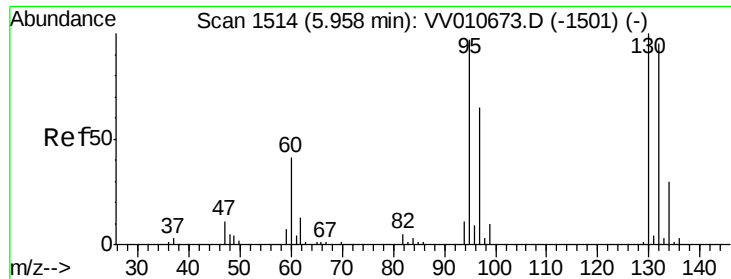
20000

0

5.00 5.10 5.20 5.30

Time-->





#35

Trichloroethene

Concen: 23.005 ug/L

RT: 5.96 min Scan# 1514

Delta R.T. 0.00 min

Lab File: VV010681.D

Acq: 06 May 2019 16:38

Tgt Ion: 95 Resp: 67076

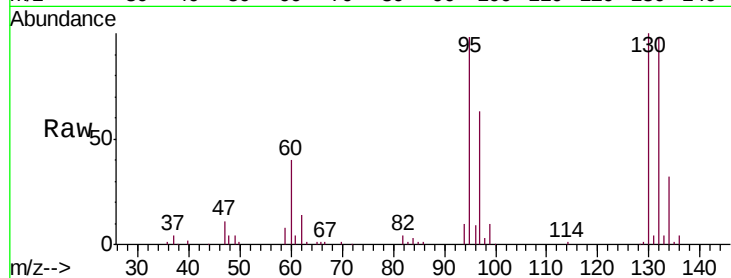
Ion Ratio Lower Upper

95 100

97 65.4 45.0 83.6

132 100.6 69.9 129.9

130 102.8 71.3 132.3

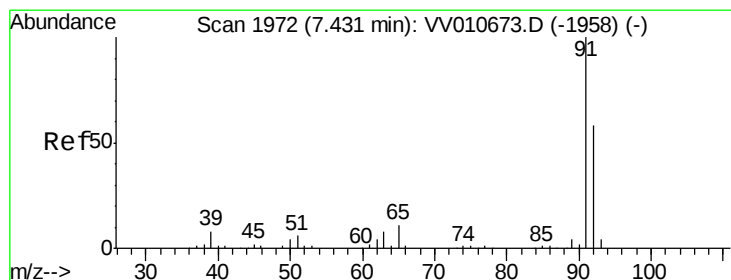
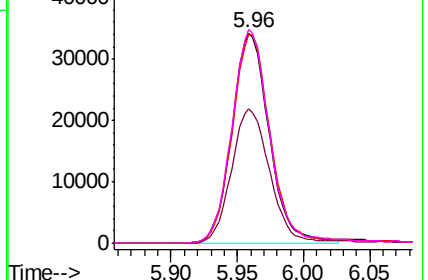
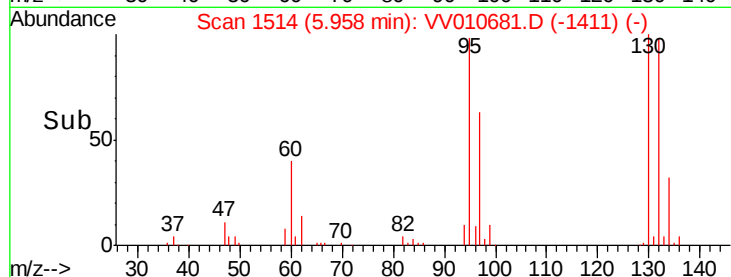


Abundance Ion 95.00 (94.70 to 95.70): VV0

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: 25.427 ug/L

RT: 7.43 min Scan# 1972

Delta R.T. 0.00 min

Lab File: VV010681.D

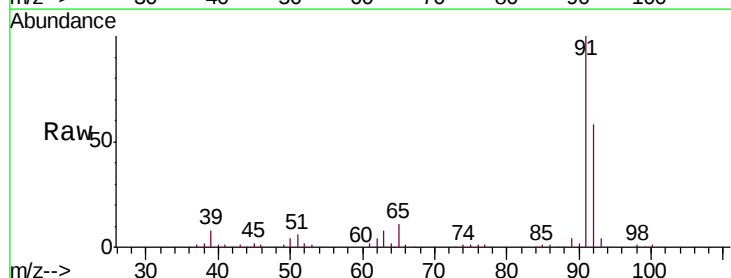
Acq: 06 May 2019 16:38

Tgt Ion: 91 Resp: 286870

Ion Ratio Lower Upper

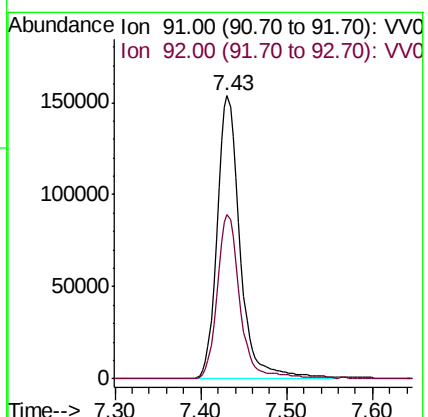
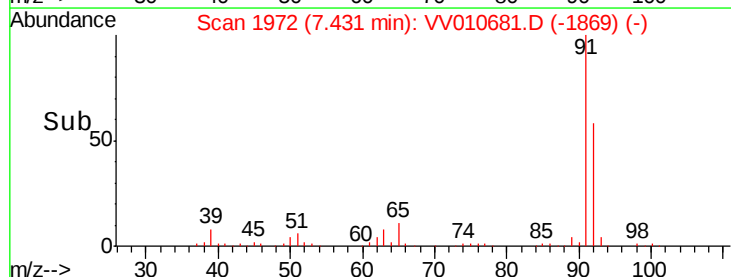
91 100

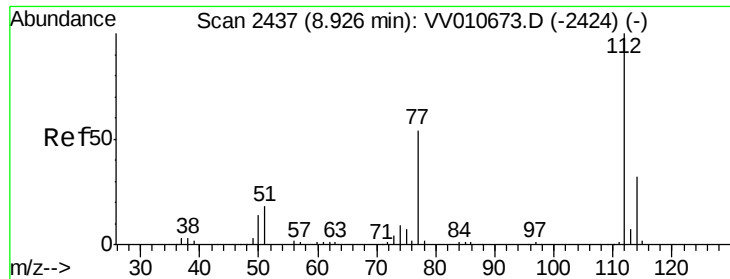
92 58.0 40.1 74.5



Abundance Ion 91.00 (90.70 to 91.70): VV0

Ion 92.00 (91.70 to 92.70): VV0





#52

Chlorobenzene

Concen: 23.829 ug/L

RT: 8.93 min Scan# 2437

Delta R.T. 0.00 min

Lab File: VV010681.D

Acq: 06 May 2019 16:38

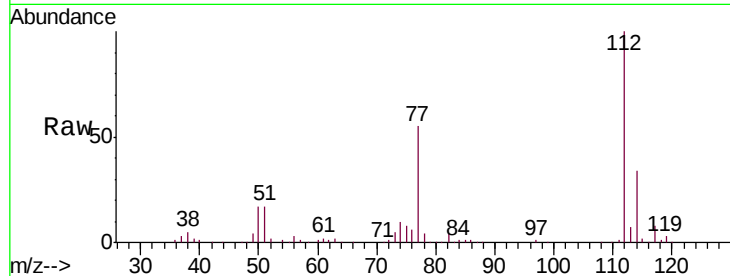
Tgt Ion: 112 Resp: 187626

Ion Ratio Lower Upper

112 100

77 55.0 44.5 66.7

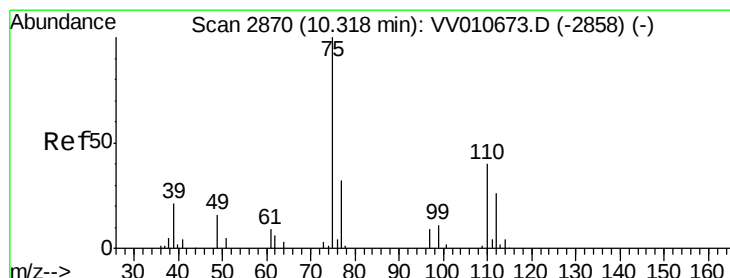
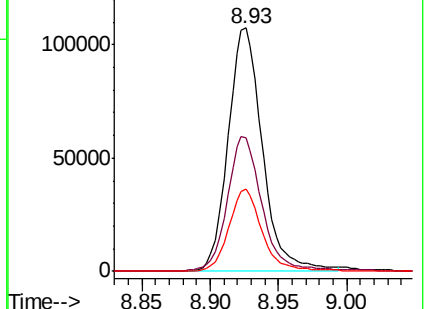
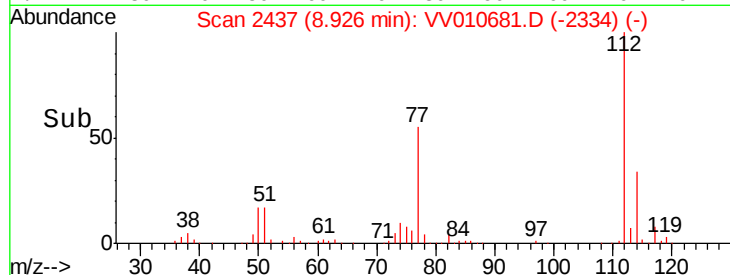
114 33.9 22.5 41.7



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



#59

1,2,3-Trichloropropane

Concen: 5.109 ug/L

RT: 11.29 min Scan# 3173

Delta R.T. 0.97 min

Lab File: VV010681.D

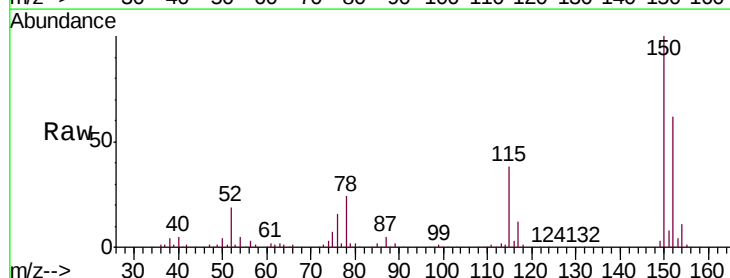
Acq: 06 May 2019 16:38

Tgt Ion: 75 Resp: 10645

Ion Ratio Lower Upper

75 100

77 37.9 25.6 38.4



Abundance Ion 75.00 (74.70 to 75.70): VV0

Ion 77.00 (76.70 to 77.70): VV0

