

Data File : VV010875.D
Acq On : 14 May 2019 23:15
Operator : SY/MD
Sample : K2798-04MS
Misc : 4.34G/10ML/MSVOA_V/SOIL
ALS Vial : 1 Sample Multiplier: 1

Instrument :
MSVOA_V
ClientSampleId :
DB875MS

Quant Time: May 15 08:19:34 2019
Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_V\METHOD\SOM2VLM051319S.M
Quant Title : VOC Analysis
QLast Update : Wed May 15 08:08:35 2019
Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Difluorobenzene	5.66	114	128822	25.00	ug/L	0.00
28) Chlorobenzene-d5	8.89	117	132273	25.00	ug/L	0.00
60) 1,4-Dichlorobenzene-d4	11.30	152	58014	25.00	ug/L	0.00

System Monitoring Compounds

4) Vinyl Chloride-d3	1.32	65	33996	20.71	ug/L	0.00
Spiked Amount	25.000	Range	30 - 150	Recovery	=	82.84%
7) Chloroethane-d5	1.57	69	27043	25.28	ug/L	0.00
Spiked Amount	25.000	Range	30 - 150	Recovery	=	101.12%
10) 1,1-Dichloroethene-d2	2.13	63	72882	23.47	ug/L	0.00
Spiked Amount	25.000	Range	45 - 110	Recovery	=	93.88%
20) 2-Butanone-d5	3.93	46	23943	46.37	ug/L	0.00
Spiked Amount	50.000	Range	20 - 135	Recovery	=	92.74%
24) Chloroform-d	4.40	84	67663	18.19	ug/L	0.00
Spiked Amount	25.000	Range	40 - 150	Recovery	=	72.76%
26) 1,2-Dichloroethane-d4	5.08	65	46738	22.10	ug/L	0.00
Spiked Amount	25.000	Range	70 - 130	Recovery	=	88.40%
29) Benzene-d6	5.10	84	161130	22.01	ug/L	0.00
Spiked Amount	25.000	Range	20 - 135	Recovery	=	88.04%
33) 1,2-Dichloropropane-d6	6.12	67	52848	22.62	ug/L	0.00
Spiked Amount	25.000	Range	70 - 120	Recovery	=	90.48%
37) Toluene-d8	7.36	98	145198	20.64	ug/L	0.00
Spiked Amount	25.000	Range	30 - 130	Recovery	=	82.56%
38) trans-1,3-Dichloropropene-	7.66	79	20544	20.16	ug/L	0.00
Spiked Amount	25.000	Range	30 - 135	Recovery	=	80.64%
39) 2-Hexanone-d5	8.13	63	18692	42.23	ug/L	0.00
Spiked Amount	50.000	Range	20 - 135	Recovery	=	84.46%
48) 1,1,2,2-Tetrachloroethane-	10.26	84	44171	20.39	ug/L	0.00
Spiked Amount	25.000	Range	45 - 120	Recovery	=	81.56%
61) 1,2-Dichlorobenzene-d4	11.67	152	54858	22.64	ug/L	0.00
Spiked Amount	25.000	Range	75 - 120	Recovery	=	90.56%

Target Compounds

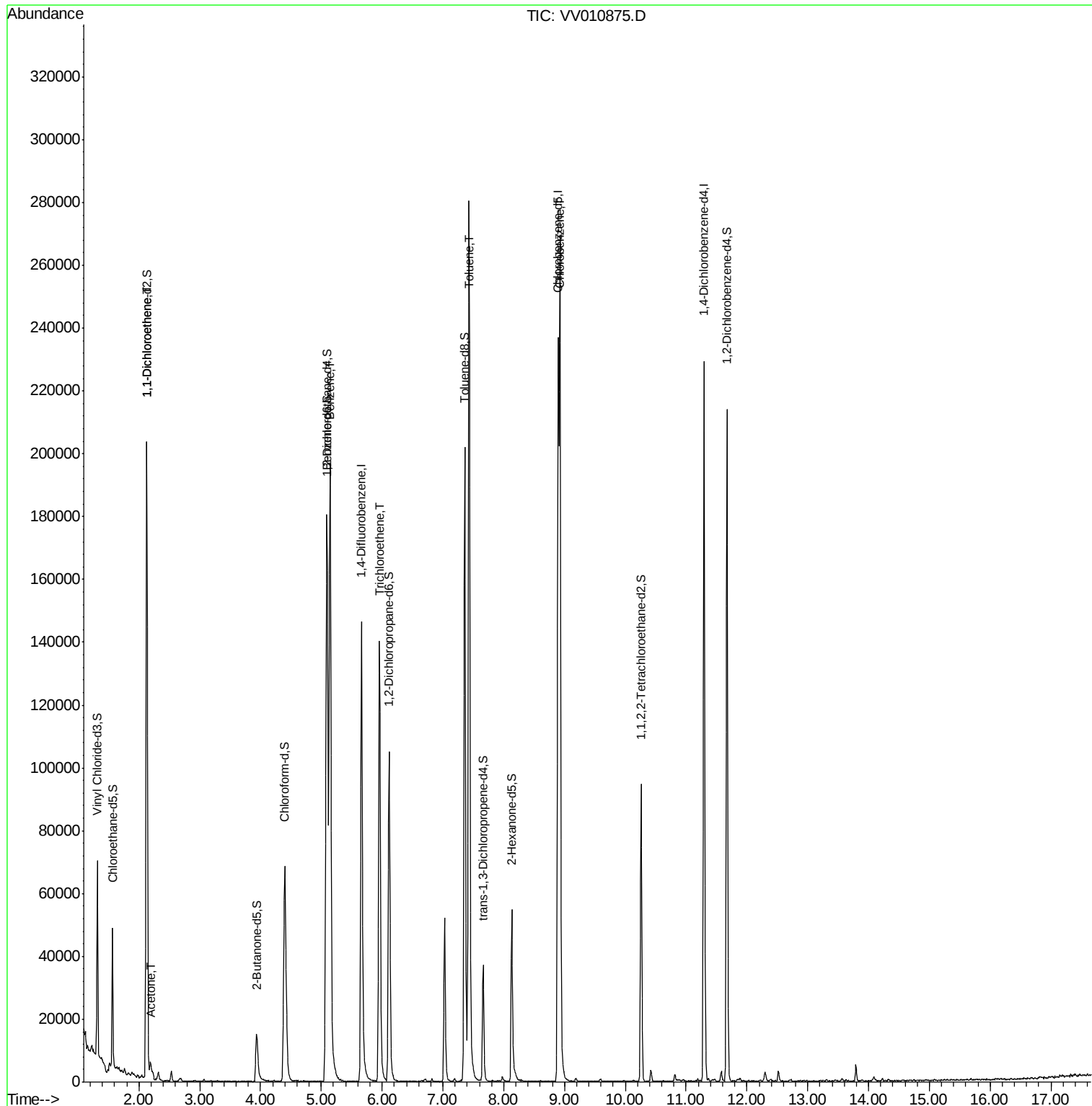
					Qvalue
12) 1,1-Dichloroethene	2.14	96	42273	28.476 ug/L	87
13) Acetone	2.19	43	2457	4.672 ug/L	100
34) Benzene	5.14	78	198216	25.711 ug/L	100
35) Trichloroethene	5.96	95	50559	25.303 ug/L	99
44) Toluene	7.43	91	214214	24.997 ug/L	96
52) Chlorobenzene	8.93	112	141552	24.253 ug/L	99

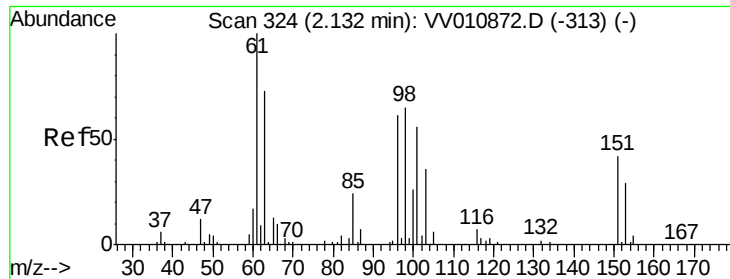
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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#12

1,1-Dichloroethene

Concen: 28.476 ug/L

RT: 2.14 min Scan# 325

Delta R.T. 0.00 min

Lab File: VV010875.D

Acq: 14 May 2019 23:15

Instrument :

MSVOA_V

ClientSampleId :

DB875MS

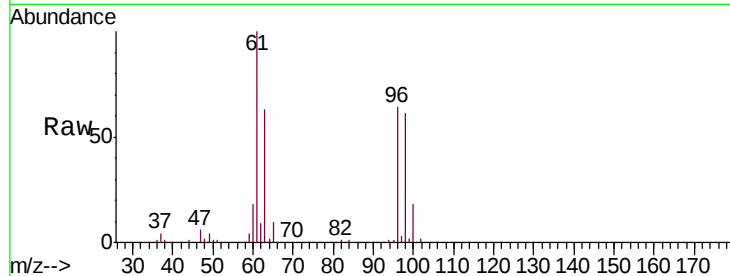
Tgt Ion: 96 Resp: 42273

Ion Ratio Lower Upper

96 100

61 155.4 117.5 218.3

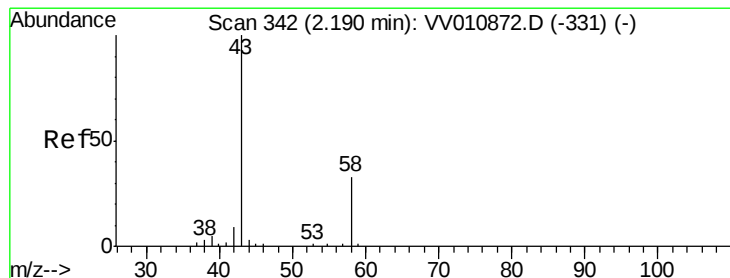
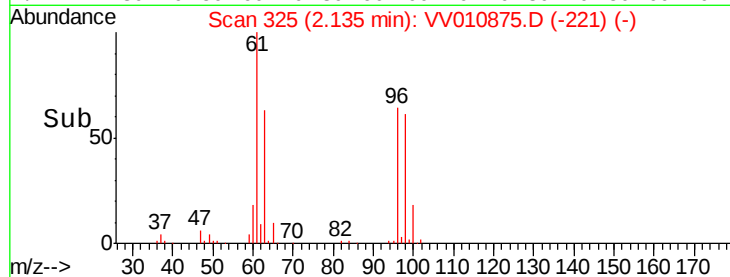
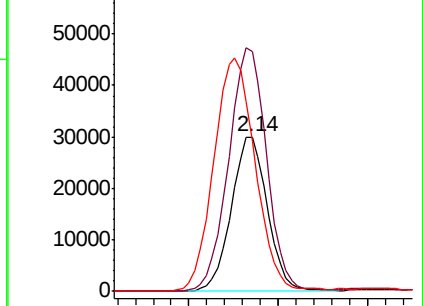
63 97.1 82.8 153.8



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: 4.672 ug/L

RT: 2.19 min Scan# 342

Delta R.T. -0.00 min

Lab File: VV010875.D

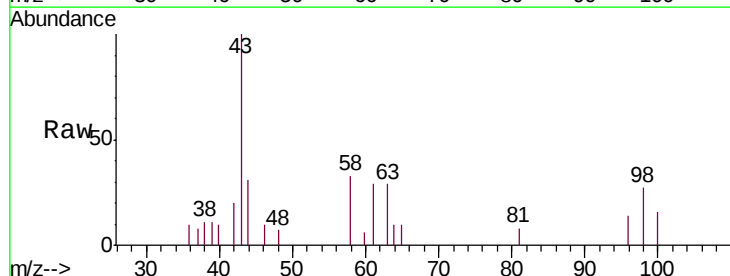
Acq: 14 May 2019 23:15

Tgt Ion: 43 Resp: 2457

Ion Ratio Lower Upper

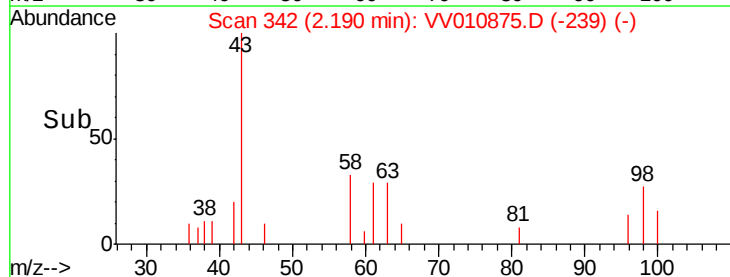
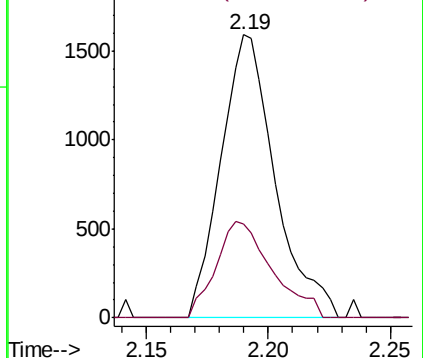
43 100

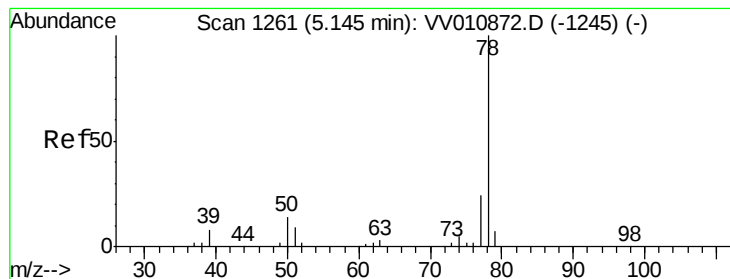
58 34.6 0.0 69.2



Abundance Ion 43.00 (42.70 to 43.70): VV0

Ion 58.00 (57.70 to 58.70): VV0





#34

Benzene

Concen: 25.711 ug/L

RT: 5.14 min Scan# 1261

Delta R.T. -0.00 min

Lab File: VV010875.D

Acq: 14 May 2019 23:15

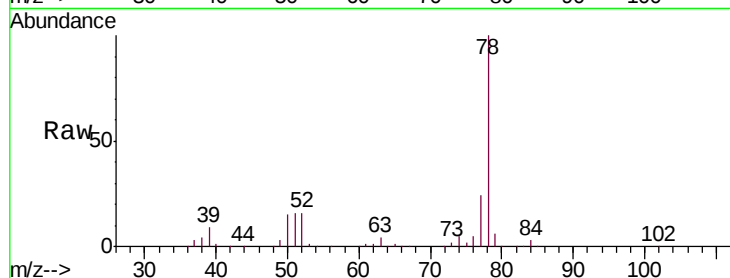
Instrument :

MSVOA_V

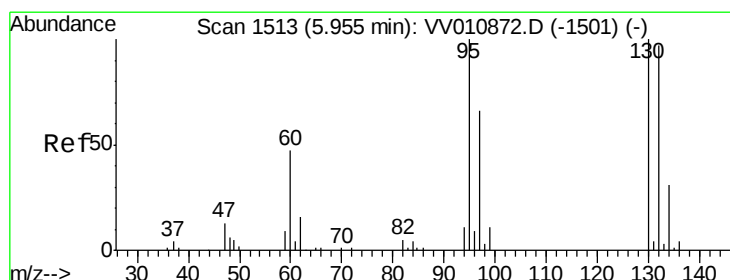
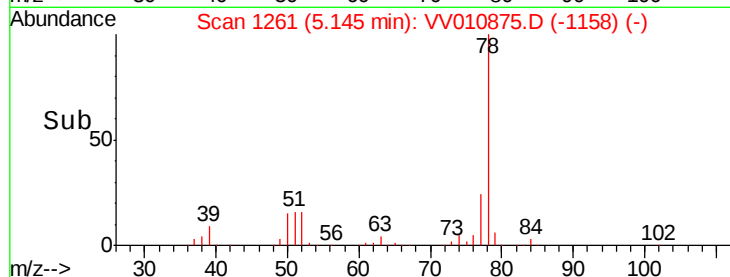
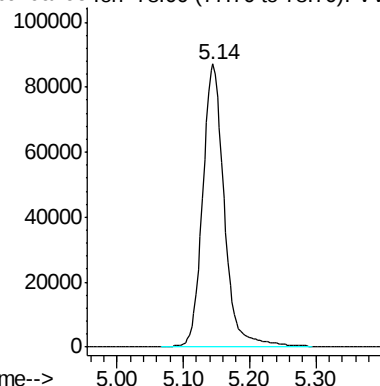
ClientSampleId :

DB875MS

Tgt Ion: 78 Resp: 198216



Abundance Ion 78.00 (77.70 to 78.70): VV0



#35

Trichloroethene

Concen: 25.303 ug/L

RT: 5.96 min Scan# 1514

Delta R.T. 0.00 min

Lab File: VV010875.D

Acq: 14 May 2019 23:15

Tgt Ion: 95 Resp: 50559

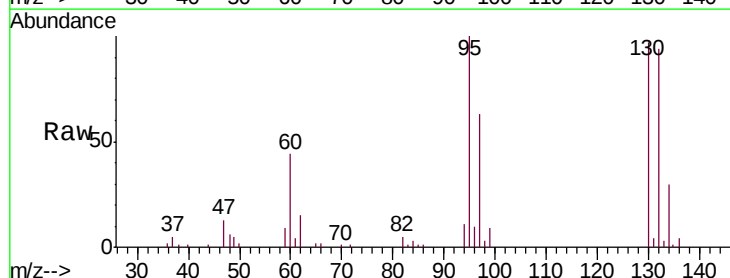
Ion	Ratio	Lower	Upper
95	100		
97	64.3	46.0	85.4
132	95.3	67.4	125.2
130	98.1	68.5	127.1

95 100

97 64.3 46.0 85.4

132 95.3 67.4 125.2

130 98.1 68.5 127.1

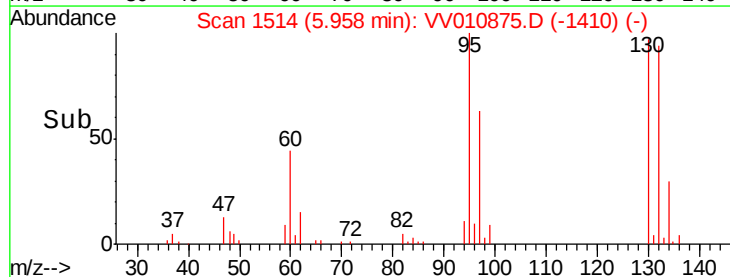
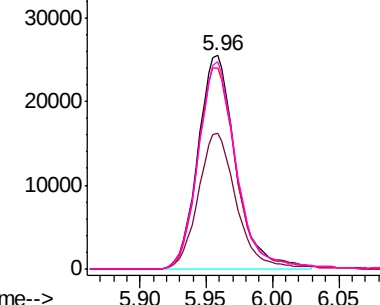


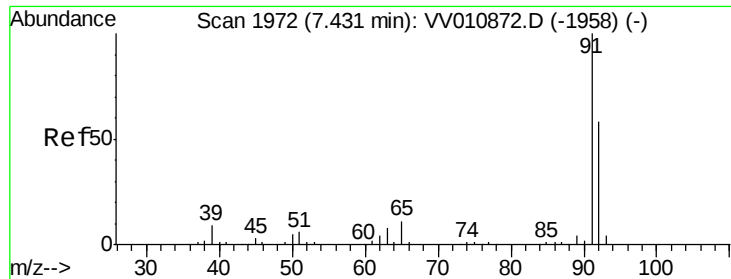
Abundance Ion 95.00 (94.70 to 95.70): VV0

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: 24.997 ug/L

RT: 7.43 min Scan# 1972

Delta R.T. -0.00 min

Lab File: VV010875.D

Acq: 14 May 2019 23:15

Instrument :

MSVOA_V

ClientSampleId :

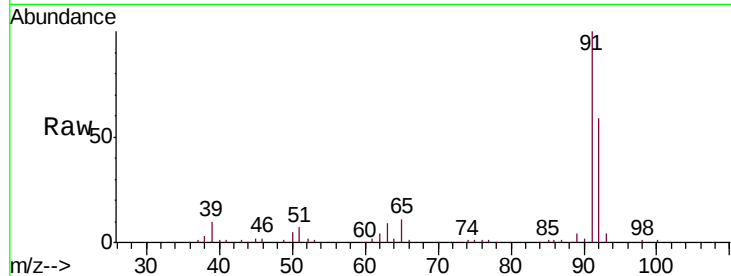
DB875MS

Tgt Ion: 91 Resp: 214214

Ion Ratio Lower Upper

91 100

92 58.5 39.1 72.7



Abundance Ion 91.00 (90.70 to 91.70): VV010872.D (-1958) (-)

Ion 92.00 (91.70 to 92.70): VV010872.D (-1958) (-)

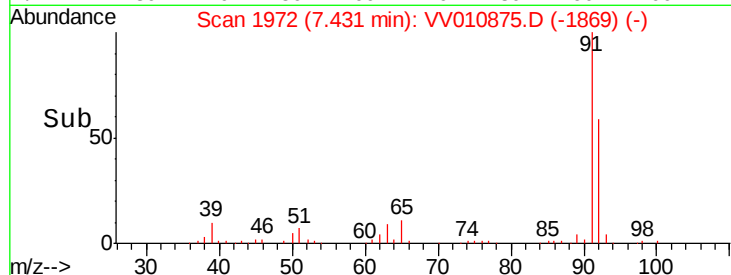
7.43

100000

50000

0

Time-->



Abundance Ion 91.00 (90.70 to 91.70): VV010875.D (-1869) (-)

Ion 92.00 (91.70 to 92.70): VV010875.D (-1869) (-)

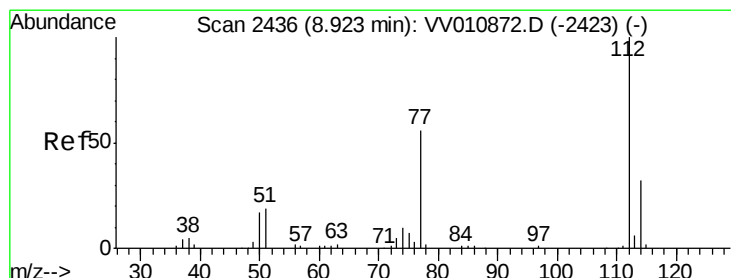
7.43

100000

50000

0

Time-->



#52

Chlorobenzene

Concen: 24.253 ug/L

RT: 8.93 min Scan# 2437

Delta R.T. 0.00 min

Lab File: VV010875.D

Acq: 14 May 2019 23:15

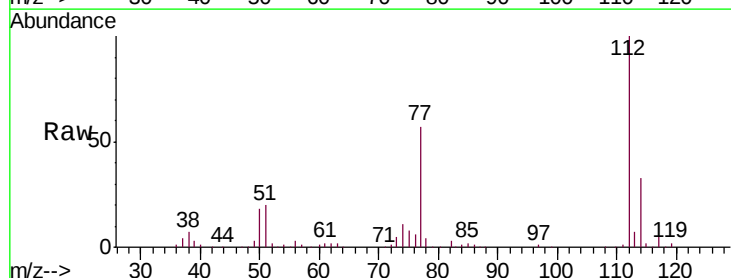
Tgt Ion: 112 Resp: 141552

Ion Ratio Lower Upper

112 100

77 56.7 45.4 68.0

114 33.1 22.4 41.6



Abundance Ion 112.00 (111.70 to 112.70): VV010872.D (-2423) (-)

Ion 77.00 (76.70 to 77.70): VV010872.D (-2423) (-)

Ion 114.00 (113.70 to 114.70): VV010872.D (-2423) (-)

8.93

100000

80000

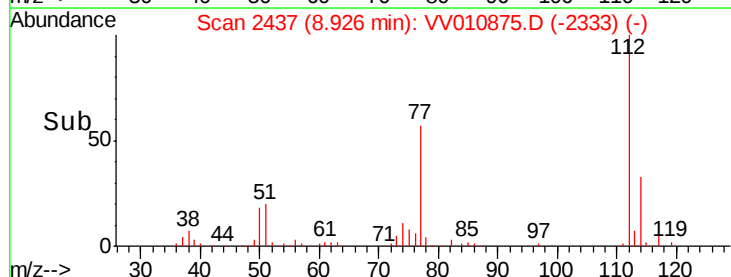
60000

40000

20000

0

Time-->



Abundance Ion 112.00 (111.70 to 112.70): VV010875.D (-2333) (-)

Ion 77.00 (76.70 to 77.70): VV010875.D (-2333) (-)

Ion 114.00 (113.70 to 114.70): VV010875.D (-2333) (-)

8.93

100000

80000

60000

40000

20000

0

Time-->