

Data Path : Z:\VOASRV\HPCHEM1\MSVOA V\DATA\VV071219\
 Data File : VV011871.D
 Acq On : 12 Jul 2019 17:29
 Operator : SY/MD
 Sample : K3772-17
 Misc : 25ML/MSVOA V/WATER
 ALS Vial : 12 Sample Multiplier: 1

Instrument :
 MSVOA_V
 ClientSampleId :
 A52S2

Quant Time: Jul 13 04:42:04 2019
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_V\METHOD\SOMVTR071219WMA.M
 Quant Title : TRACE VOA SOM01.0
 QLast Update : Sat Jul 13 04:20:11 2019
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Difluorobenzene	5.67	114	160544	5.00	ug/L	0.00
28) Chlorobenzene-d5	8.89	117	154815	5.00	ug/L	0.00
60) 1,4-Dichlorobenzene-d4	11.29	152	70957	5.00	ug/L	0.00

System Monitoring Compounds

4) Vinyl Chloride-d3	1.32	65	63312	5.25	ug/L	0.00
Spiked Amount	5.000	Range	40 - 130	Recovery	=	105.00%
7) Chloroethane-d5	1.58	69	52138	5.47	ug/L	0.00
Spiked Amount	5.000	Range	65 - 130	Recovery	=	109.40%
11) 1,1-Dichloroethene-d2	2.13	63	70465	3.70	ug/L	0.00
Spiked Amount	5.000	Range	60 - 125	Recovery	=	74.00%
20) 2-Butanone-d5	3.94	46	148747	58.75	ug/L	0.00
Spiked Amount	50.000	Range	40 - 130	Recovery	=	117.50%
24) Chloroform-d	4.40	84	112465	5.14	ug/L	0.00
Spiked Amount	5.000	Range	70 - 125	Recovery	=	102.80%
26) 1,2-Dichloroethane-d4	5.08	65	61344	5.63	ug/L	0.00
Spiked Amount	5.000	Range	70 - 130	Recovery	=	112.60%
32) Benzene-d6	5.10	84	235253	5.52	ug/L	0.00
Spiked Amount	5.000	Range	70 - 125	Recovery	=	110.40%
36) 1,2-Dichloropropane-d6	6.12	67	70561	5.37	ug/L	0.00
Spiked Amount	5.000	Range	60 - 140	Recovery	=	107.40%
41) Toluene-d8	7.36	98	203666	5.23	ug/L	0.00
Spiked Amount	5.000	Range	70 - 130	Recovery	=	104.60%
43) trans-1,3-Dichloropropene-	7.67	79	23146	4.81	ug/L	0.00
Spiked Amount	5.000	Range	55 - 130	Recovery	=	96.20%
46) 2-Hexanone-d5	8.14	63	99978	52.88	ug/L	0.00
Spiked Amount	50.000	Range	45 - 130	Recovery	=	105.76%
57) 1,1,2,2-Tetrachloroethane-	10.26	84	37289	4.58	ug/L	0.00
Spiked Amount	5.000	Range	65 - 120	Recovery	=	91.60%
64) 1,2-Dichlorobenzene-d4	11.67	152	74411	5.67	ug/L	0.00
Spiked Amount	5.000	Range	80 - 120	Recovery	=	113.40%

Target Compounds

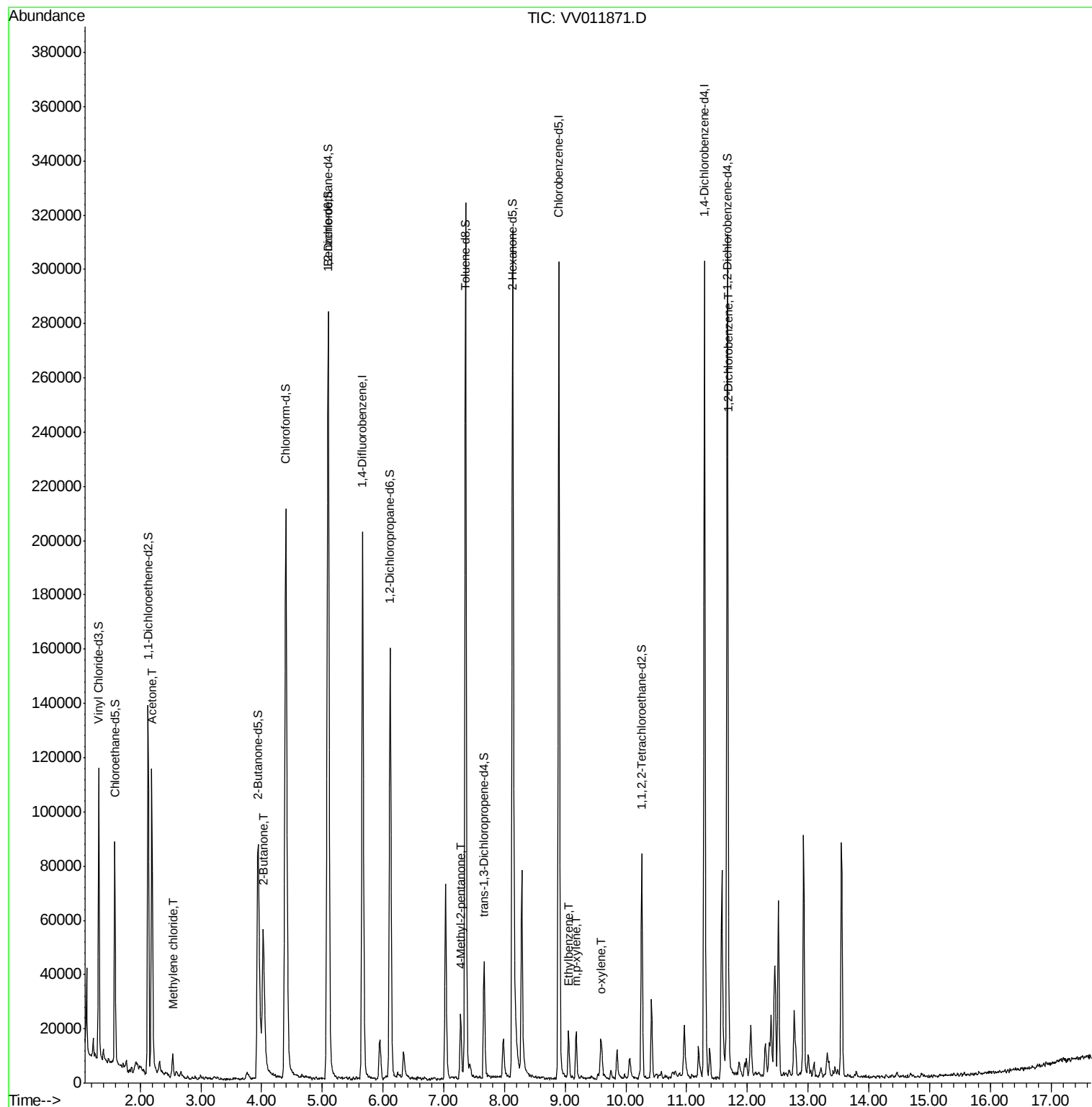
Target Compounds	R.T.	QIon	Response	Conc	Units	Ovalue
13) Acetone	2.19	43	123468	79.530	ug/L	94
16) Methylene chloride	2.53	84	3034	0.334	ug/L	95
21) 2-Butanone	4.03	43	85164	30.240	ug/L	99
40) 4-Methyl-2-pentanone	7.28	43	17579	2.451	ug/L #	88
52) Ethylbenzene	9.05	91	10623	0.190	ug/L	89
53) m,p-xylene	9.18	106	4775	0.231	ug/L	83
54) o-xylene	9.59	106	3088	0.157	ug/L	94
65) 1,2-Dichlorobenzene	11.69	146	3993	0.184	ug/L	94

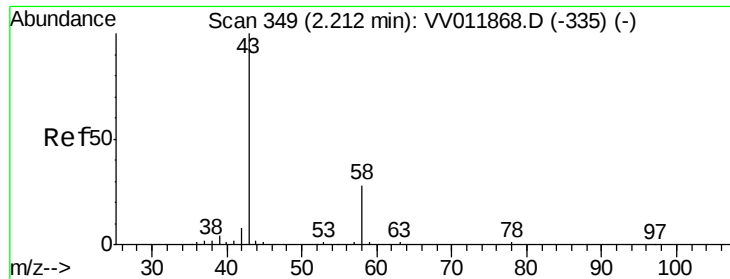
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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Response via : Initial Calibration





#13

Acetone

Concen: 79.530 ug/L

RT: 2.19 min Scan# 343

Delta R.T. -0.02 min

Lab File: VV011871.D

Acq: 12 Jul 2019 17:29

Instrument :

MSVOA_V

ClientSampleId :

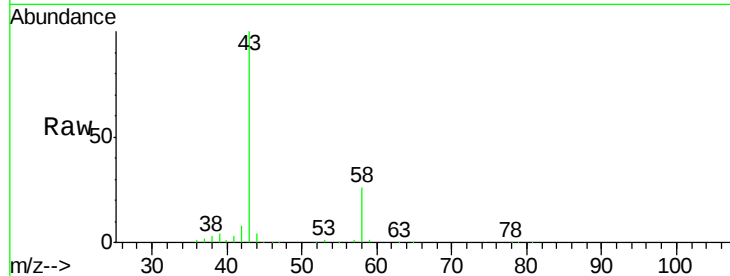
A52S2

Tot Ion: 43 Resp: 123468

Ion Ratio Lower Upper

43 100

58 25.9 0.0 58.4



Abundance Ion 43.05 (42.75 to 43.75): VV0

Ion 58.05 (57.75 to 58.75): VV0

2.19

80000

60000

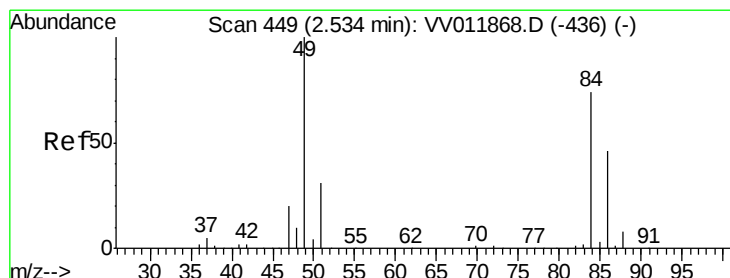
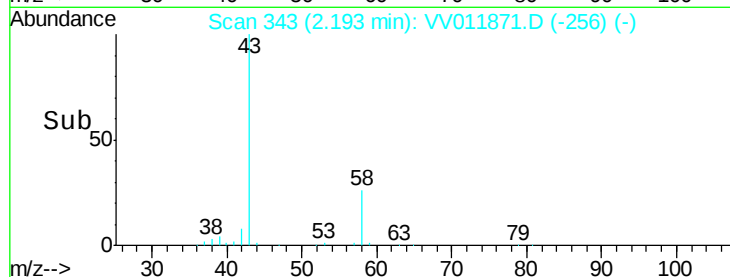
40000

20000

0

Time-->

2.10 2.20 2.30



#16

Methylene chloride

Concen: 0.334 ug/L

RT: 2.53 min Scan# 449

Delta R.T. 0.00 min

Lab File: VV011871.D

Acq: 12 Jul 2019 17:29

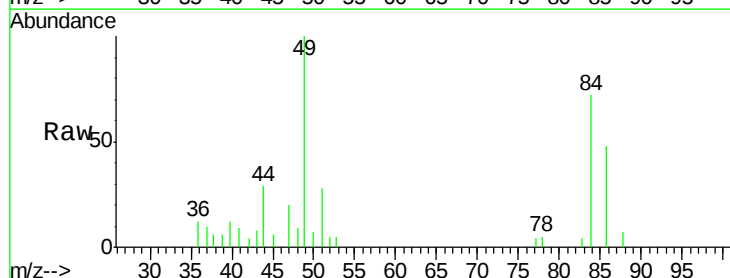
Tgt Ion: 84 Resp: 3034

Ion Ratio Lower Upper

84 100

86 66.9 43.9 81.5

49 138.0 92.6 172.0



Abundance Ion 84.05 (83.75 to 84.75): VV0

Ion 86.00 (85.70 to 86.70): VV0

Ion 49.10 (48.80 to 49.80): VV0

3000

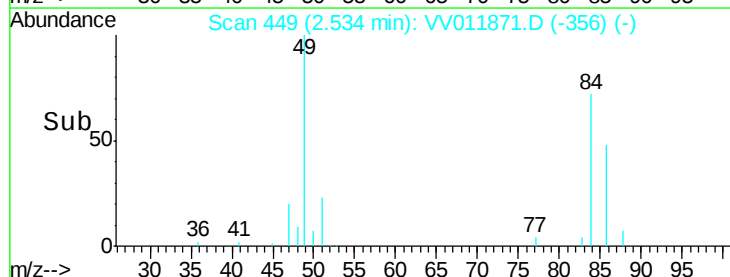
2000

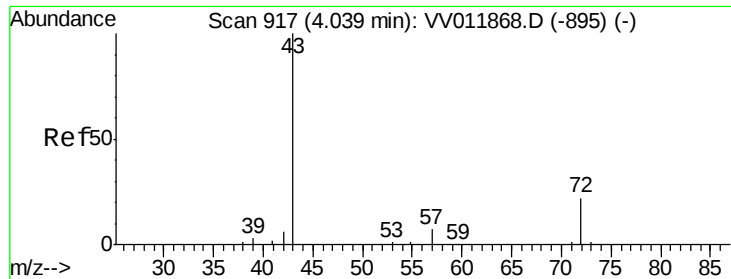
1000

0

Time-->

2.50 2.55





#21

2-Butanone

Concen: 30.240 ug/L

RT: 4.03 min Scan# 913

Delta R.T. -0.01 min

Lab File: VV011871.D

Acq: 12 Jul 2019 17:29

Instrument :

MSVOA_V

ClientSampleId :

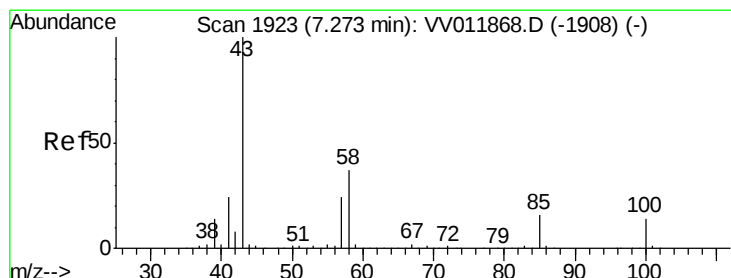
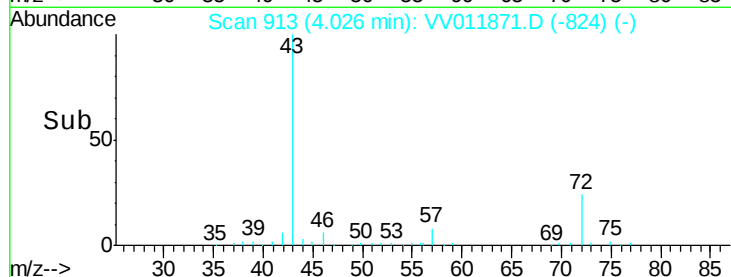
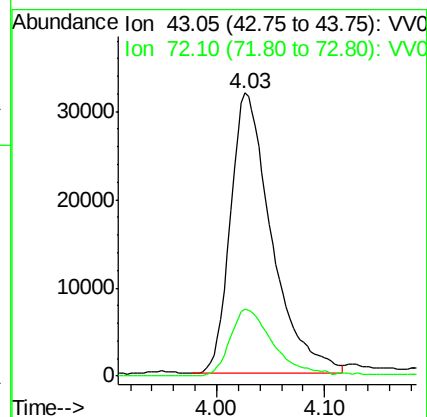
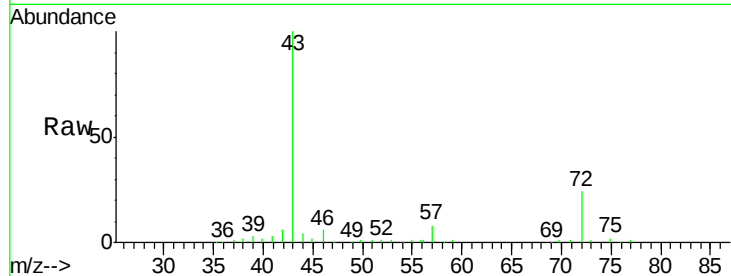
A52S2

Tot Ion: 43 Resp: 85164

Ion Ratio Lower Upper

43 100

72 24.9 12.2 36.4



#40

4-Methyl-2-pentanone

Concen: 2.451 ug/L

RT: 7.28 min Scan# 1924

Delta R.T. 0.00 min

Lab File: VV011871.D

Acq: 12 Jul 2019 17:29

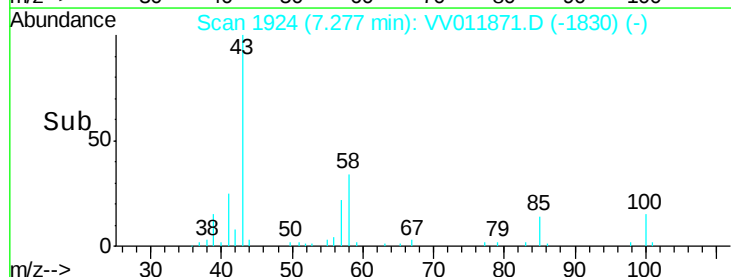
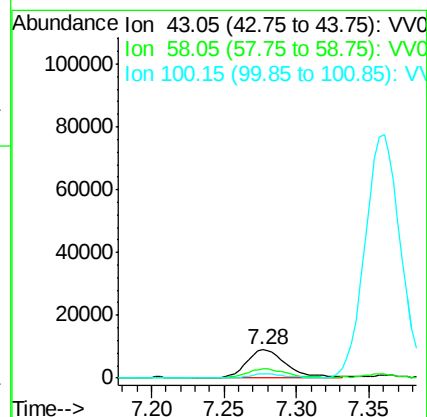
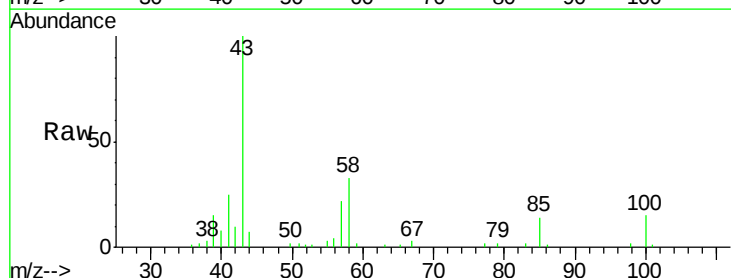
Tgt Ion: 43 Resp: 17579

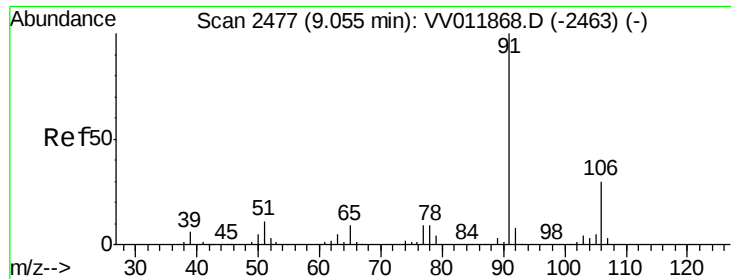
Ion Ratio Lower Upper

43 100

58 34.1 29.1 43.7

100 0.0 11.2 16.8#





#52

Ethylbenzene

Concen: 0.190 ug/L

RT: 9.05 min Scan# 2477

Delta R.T. 0.00 min

Lab File: VV011871.D

Acq: 12 Jul 2019 17:29

Instrument :

MSVOA_V

ClientSampleId :

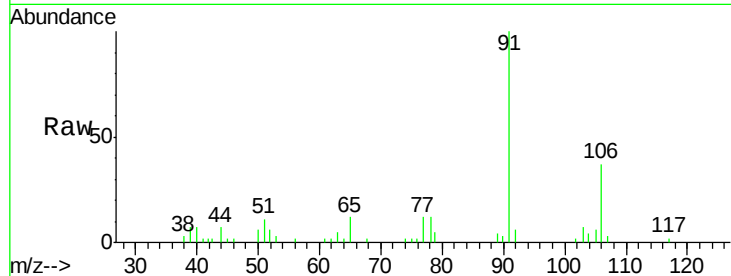
A52S2

Tot Ion: 91 Resp: 10623

Ion Ratio Lower Upper

91 100

106 37.0 21.6 40.2



Abundance Ion 91.15 (90.85 to 91.85): VV011868.D (-2463) (-)

Ion 106.15 (105.85 to 106.85): VV011868.D (-2463) (-)

9.05

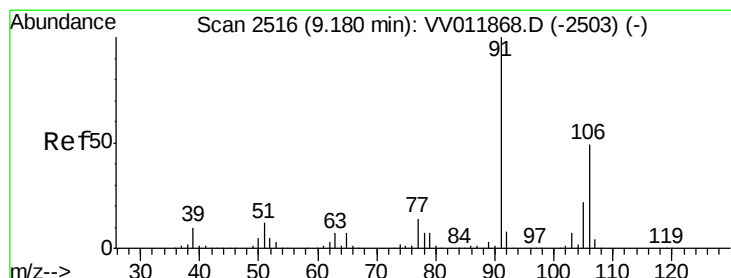
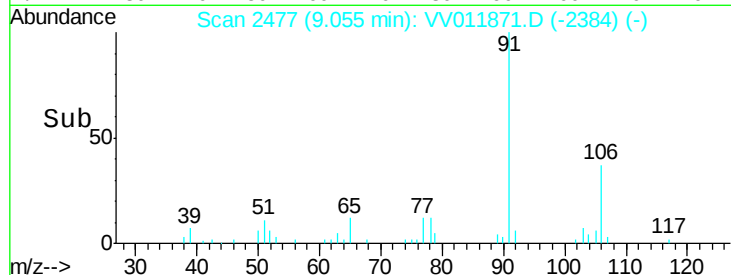
6000

4000

2000

0

Time--> 9.00 9.05 9.10



#53

m,p-xylene

Concen: 0.231 ug/L

RT: 9.18 min Scan# 2516

Delta R.T. 0.00 min

Lab File: VV011871.D

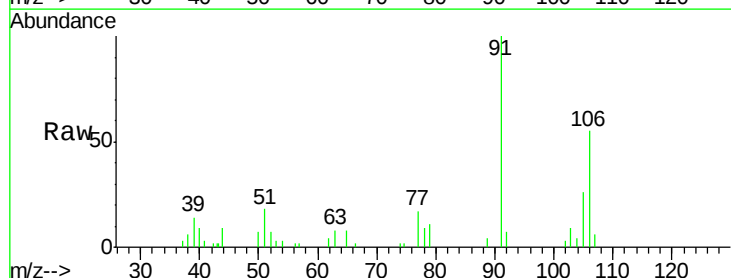
Acq: 12 Jul 2019 17:29

Tgt Ion: 106 Resp: 4775

Ion Ratio Lower Upper

106 100

91 181.5 145.0 269.2



Abundance Ion 106.15 (105.85 to 106.85): VV011868.D (-2503) (-)

Ion 91.15 (90.85 to 91.85): VV011868.D (-2503) (-)

9.18

6000

5000

4000

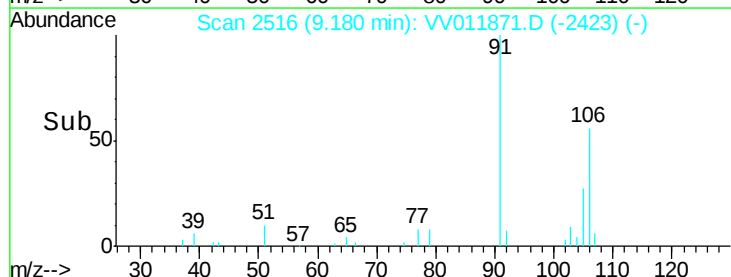
3000

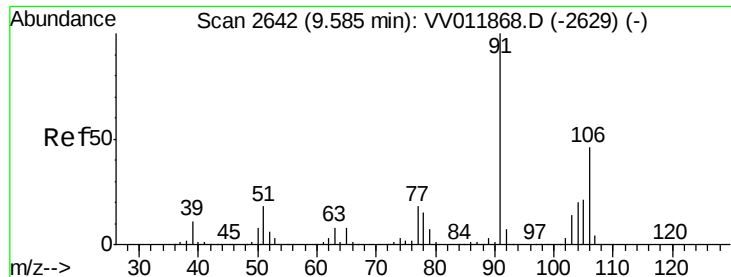
2000

1000

0

Time--> 9.15 9.20 9.25





#54

o-xylene

Concen: 0.157 ug/L

RT: 9.59 min Scan# 2643

Delta R.T. 0.00 min

Lab File: VV011871.D

Acq: 12 Jul 2019 17:29

Instrument :

MSVOA_V

ClientSampled :

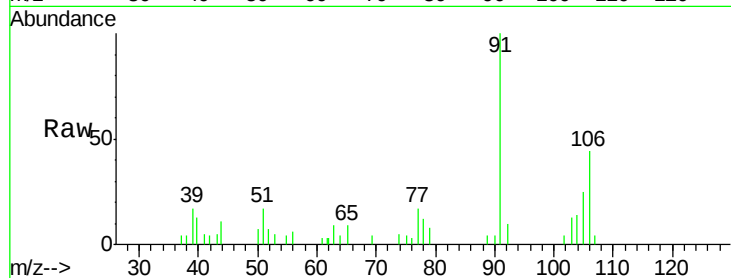
A52S2

Tot Ion:106 Resp: 3088

Ion Ratio Lower Upper

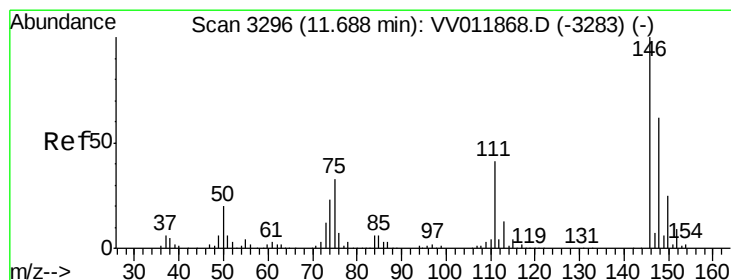
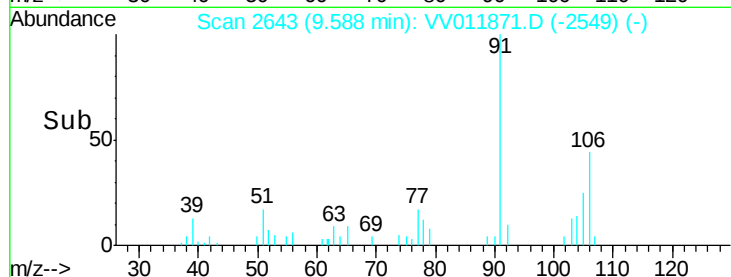
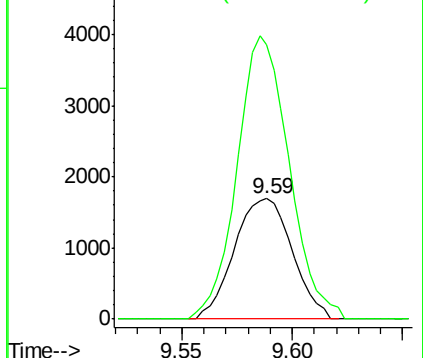
106 100

91 228.0 152.9 283.9



Abundance Ion 106.15 (105.85 to 106.85): V

Ion 91.15 (90.85 to 91.85): VV0



#65

1,2-Dichlorobenzene

Concen: 0.184 ug/L

RT: 11.69 min Scan# 3296

Delta R.T. 0.00 min

Lab File: VV011871.D

Acq: 12 Jul 2019 17:29

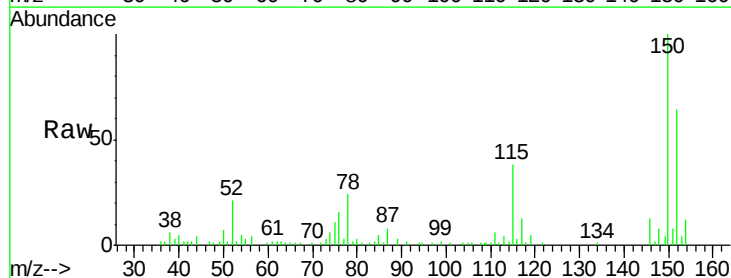
Tgt Ion:146 Resp: 3993

Ion Ratio Lower Upper

146 100

111 50.0 34.7 52.1

148 66.7 51.4 77.0



Abundance Ion 145.95 (145.65 to 146.65): V

Ion 111.00 (110.70 to 111.70): V

Ion 148.00 (147.70 to 148.70): V

