

Data File : VV010684.D
Acq On : 06 May 2019 18:40
Operator : SY/MD
Sample : K2633-02MS
Misc : 5.04G/10ML/MSVOA_V/SOIL
ALS Vial : 1 Sample Multiplier: 1

Quant Time: May 07 04:06:34 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	192677	25.00	ug/L	0.00
28) Chlorobenzene-d5	8.90	117	184839	25.00	ug/L	0.00
60) 1,4-Dichlorobenzene-d4	11.29	152	94230	25.00	ug/L	0.00

System Monitoring Compounds

4) Vinyl Chloride-d3	1.32	65	31162	12.77	ug/L	0.00
Spiked Amount	25.000	Range	30 - 150	Recovery	=	51.08%
7) Chloroethane-d5	1.58	69	26503	15.52	ug/L	0.01
Spiked Amount	25.000	Range	30 - 150	Recovery	=	62.08%
10) 1,1-Dichloroethene-d2	2.13	63	69082	16.15	ug/L	0.00
Spiked Amount	25.000	Range	45 - 110	Recovery	=	64.60%
20) 2-Butanone-d5	3.93	46	23007	31.00	ug/L	0.00
Spiked Amount	50.000	Range	20 - 135	Recovery	=	62.00%
24) Chloroform-d	4.40	84	102588	20.61	ug/L	0.00
Spiked Amount	25.000	Range	40 - 150	Recovery	=	82.44%
26) 1,2-Dichloroethane-d4	5.08	65	54237	19.02	ug/L	0.00
Spiked Amount	25.000	Range	70 - 130	Recovery	=	76.08%
29) Benzene-d6	5.10	84	218940	22.86	ug/L	0.00
Spiked Amount	25.000	Range	20 - 135	Recovery	=	91.44%
33) 1,2-Dichloropropane-d6	6.12	67	68083	23.20	ug/L	0.00
Spiked Amount	25.000	Range	70 - 120	Recovery	=	92.80%
37) Toluene-d8	7.36	98	210866	22.91	ug/L	0.00
Spiked Amount	25.000	Range	30 - 130	Recovery	=	91.64%
38) trans-1,3-Dichloropropene-	7.66	79	24893	20.53	ug/L	0.00
Spiked Amount	25.000	Range	30 - 135	Recovery	=	82.12%
39) 2-Hexanone-d5	8.13	63	18157	34.76	ug/L	0.00
Spiked Amount	50.000	Range	20 - 135	Recovery	=	69.52%
48) 1,1,2,2-Tetrachloroethane-	10.26	84	49958	18.89	ug/L	0.00
Spiked Amount	25.000	Range	45 - 120	Recovery	=	75.56%
61) 1,2-Dichlorobenzene-d4	11.67	152	87448	24.12	ug/L	0.00
Spiked Amount	25.000	Range	75 - 120	Recovery	=	96.48%

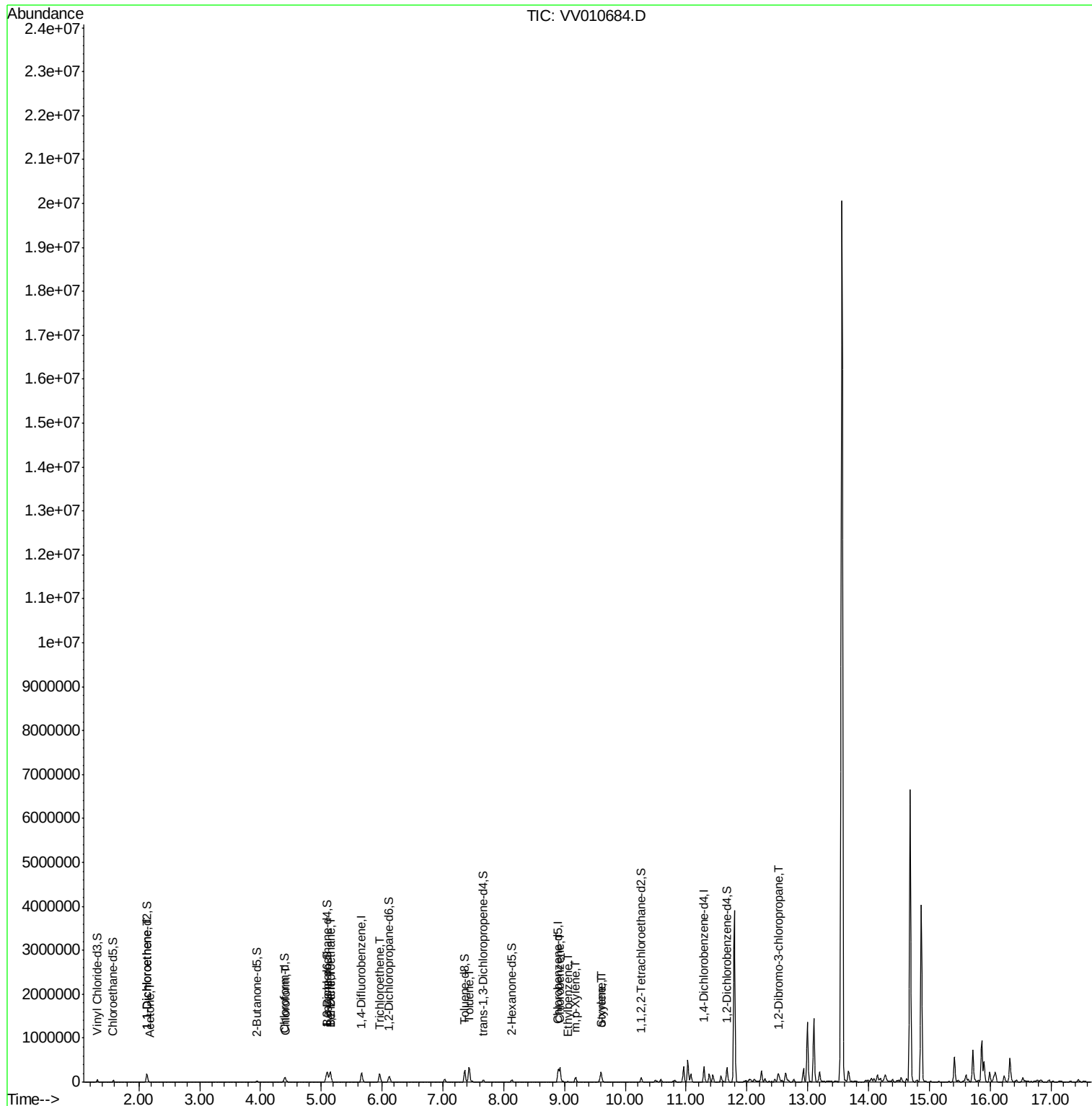
Target Compounds

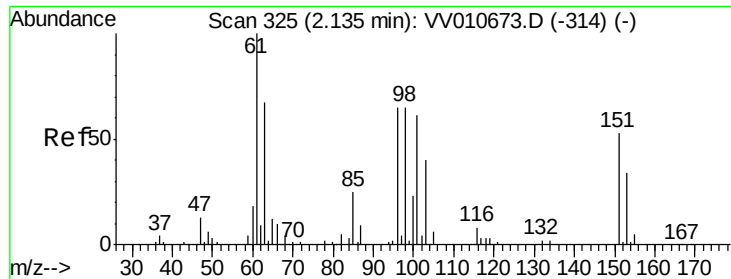
						Qvalue
12) 1,1-Dichloroethene	2.14	96	35367	19.106	ug/L	98
13) Acetone	2.19	43	1460	2.295	ug/L	95
25) Chloroform	4.43	83	5946	1.251	ug/L	80
27) 1,2-Dichloroethane	5.14	62	2210	0.718	ug/L #	77
34) Benzene	5.15	78	232774	26.344	ug/L	100
35) Trichloroethene	5.96	95	65472	25.978	ug/L	100
44) Toluene	7.43	91	275092	28.209	ug/L	100
52) Chlorobenzene	8.93	112	183427	26.951	ug/L	98
53) Ethylbenzene	9.05	91	9717	0.881	ug/L	99
54) m,p-Xylene	9.18	106	34633	8.287	ug/L	94
55) o-xylene	9.59	106	28912	7.081	ug/L	97
56) Styrene	9.60	104	101806	14.692	ug/L	96
66) 1,2-Dibromo-3-chloropropan	12.53	75	2851	7.302	ug/L #	1

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

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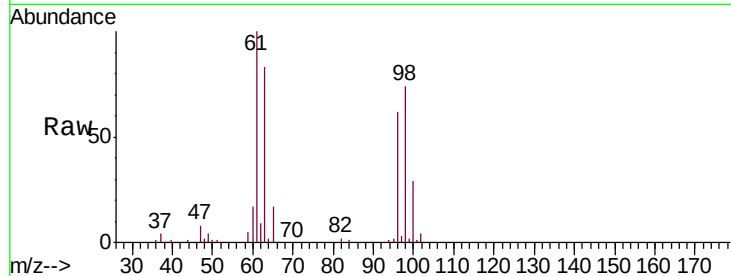
Quant Time: May 07 04:06:34 2019
Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_V\METHOD\SOM2VLM050219S.M
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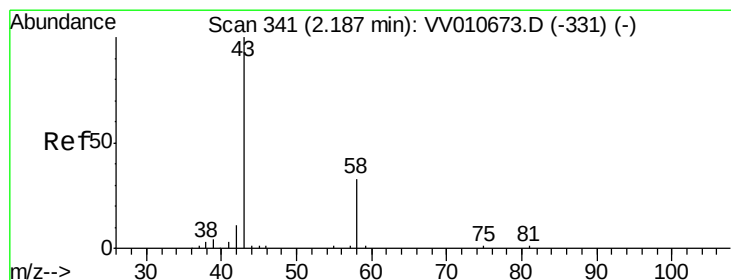
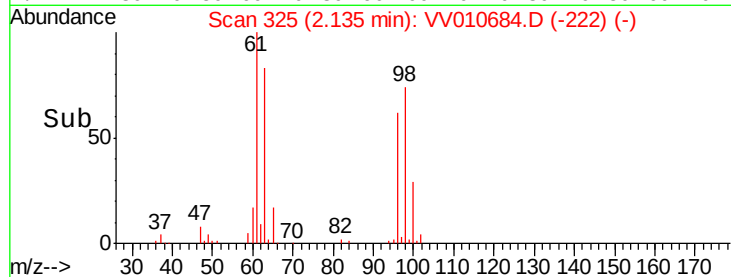
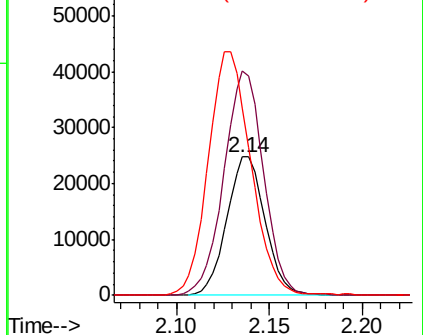


#12
 1,1-Dichloroethene
 Concen: 19.106 ug/L
 RT: 2.14 min Scan# 325
 Delta R.T. 0.00 min
 Lab File: VV010684.D
 Acq: 06 May 2019 18:40

Tgt Ion:	96	Resp:	35367
Ion	Ratio	Lower	Upper
96	100		
61	162.1	111.1	206.3
63	135.4	95.2	176.8

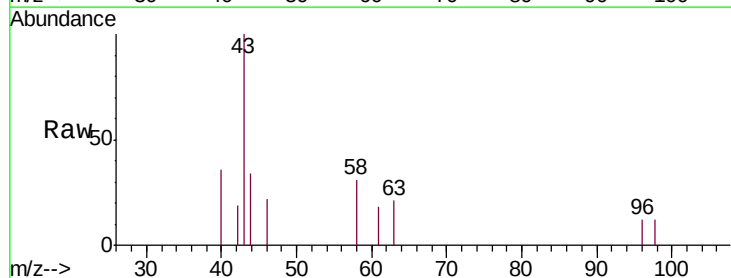


Abundance Ion 96.00 (95.70 to 96.70): VV0
 Ion 61.00 (60.70 to 61.70): VV0
 Ion 63.00 (62.70 to 63.70): VV0

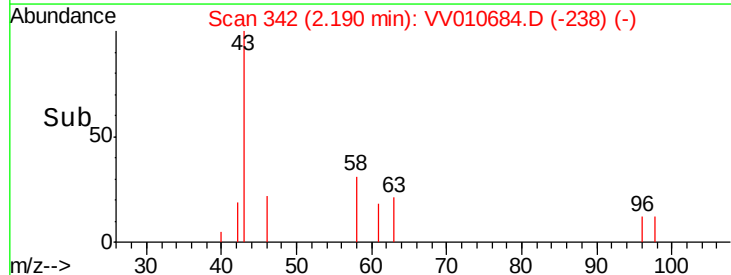
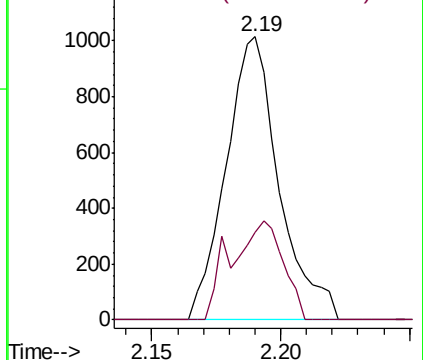


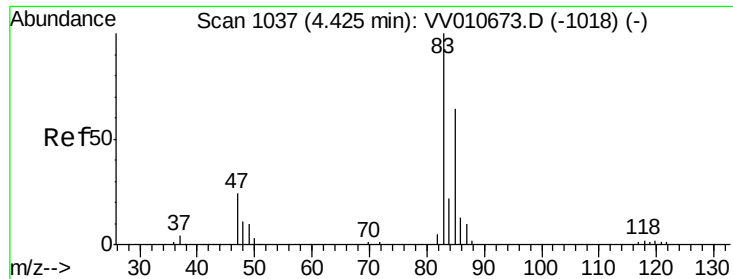
#13
 Acetone
 Concen: 2.295 ug/L
 RT: 2.19 min Scan# 342
 Delta R.T. 0.00 min
 Lab File: VV010684.D
 Acq: 06 May 2019 18:40

Tgt Ion:	43	Resp:	1460
Ion	Ratio	Lower	Upper
43	100		
58	26.5	0.0	58.2



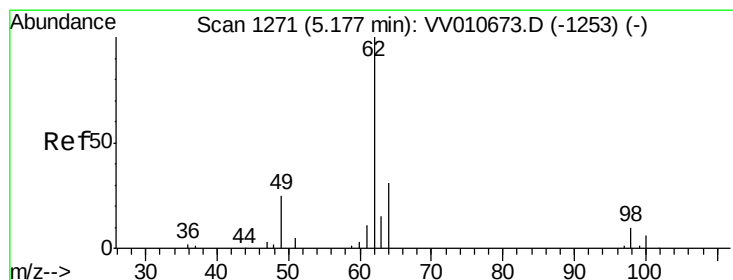
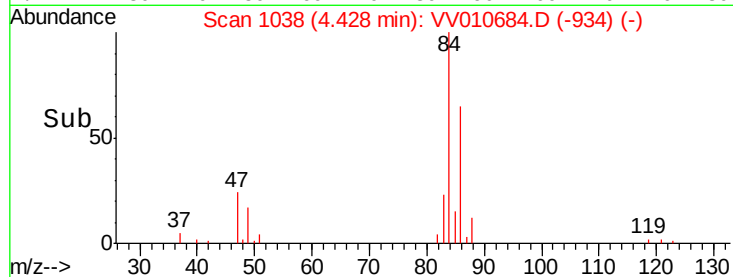
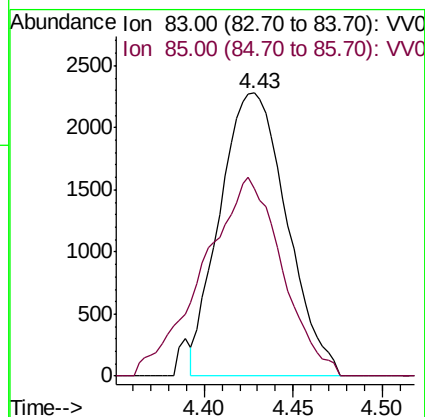
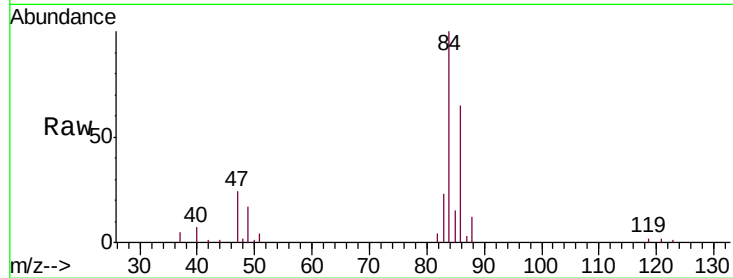
Abundance Ion 43.00 (42.70 to 43.70): VV0
 Ion 58.00 (57.70 to 58.70): VV0





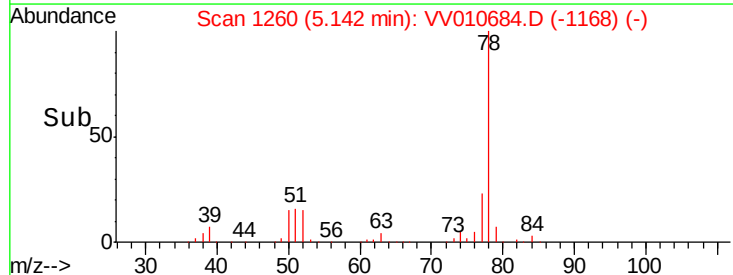
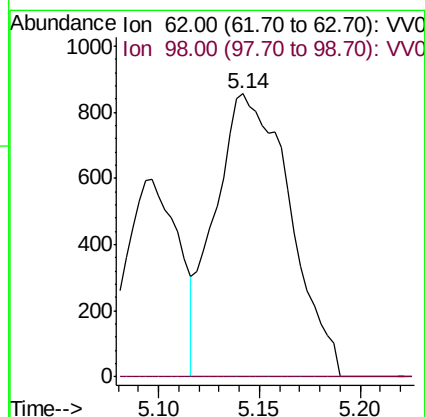
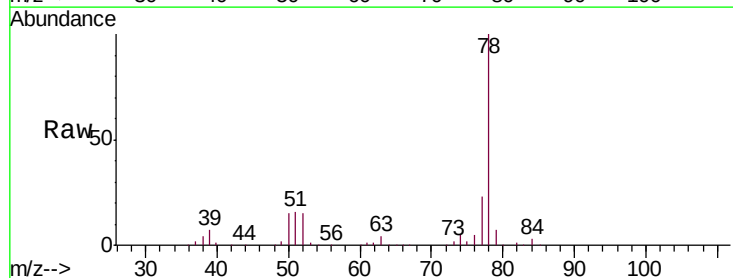
#25
Chloroform
Concen: 1.251 ug/L
RT: 4.43 min Scan# 1038
Delta R.T. 0.00 min
Lab File: VV010684.D
Acq: 06 May 2019 18:40

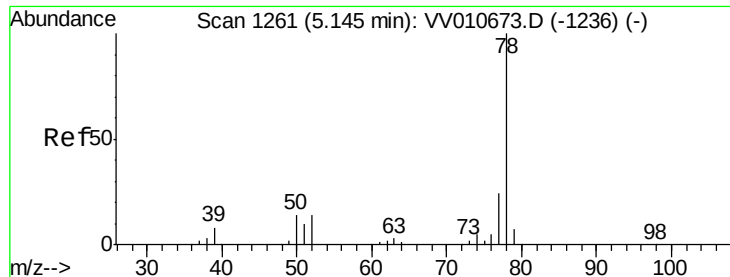
Tgt Ion: 83 Resp: 5946
Ion Ratio Lower Upper
83 100
85 82.5 46.3 86.1



#27
1,2-Dichloroethane
Concen: 0.718 ug/L
RT: 5.14 min Scan# 1260
Delta R.T. -0.04 min
Lab File: VV010684.D
Acq: 06 May 2019 18:40

Tgt Ion: 62 Resp: 2210
Ion Ratio Lower Upper
62 100
98 0.0 6.6 10.0#





#34

Benzene

Concen: 26.344 ug/L

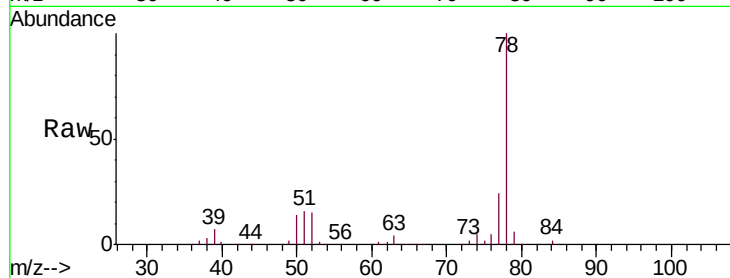
RT: 5.15 min Scan# 1262

Delta R.T. 0.00 min

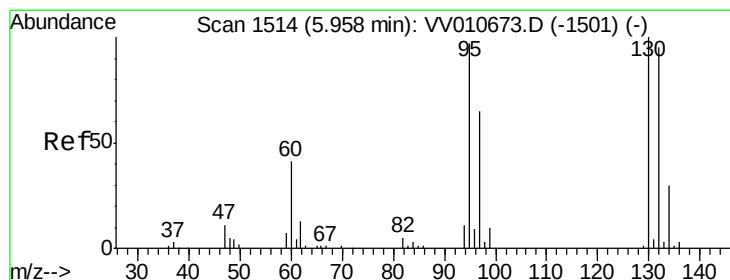
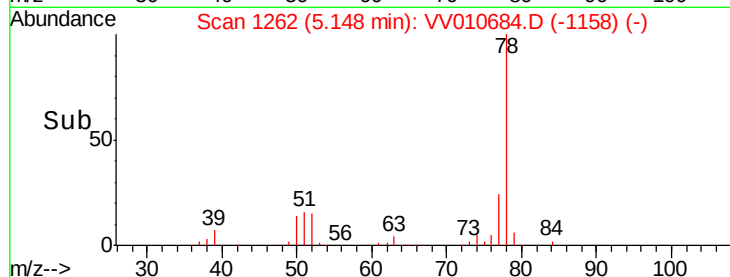
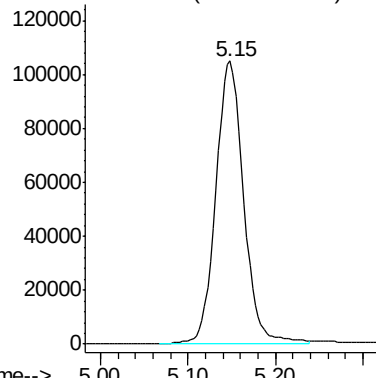
Lab File: VV010684.D

Acq: 06 May 2019 18:40

Tgt Ion: 78 Resp: 232774



Abundance Ion 78.00 (77.70 to 78.70): VV0



#35

Trichloroethene

Concen: 25.978 ug/L

RT: 5.96 min Scan# 1514

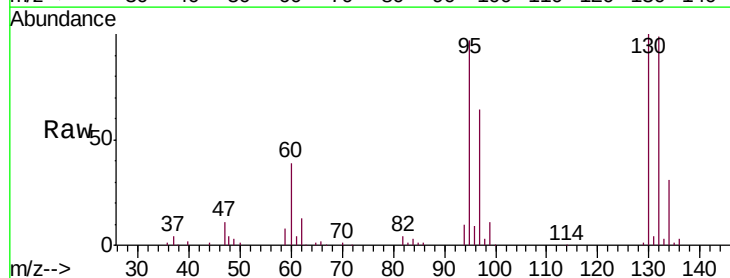
Delta R.T. 0.00 min

Lab File: VV010684.D

Acq: 06 May 2019 18:40

Tgt Ion: 95 Resp: 65472

Ion	Ratio	Lower	Upper
95	100		
97	64.3	45.0	83.6
132	100.3	69.9	129.9
130	101.0	71.3	132.3

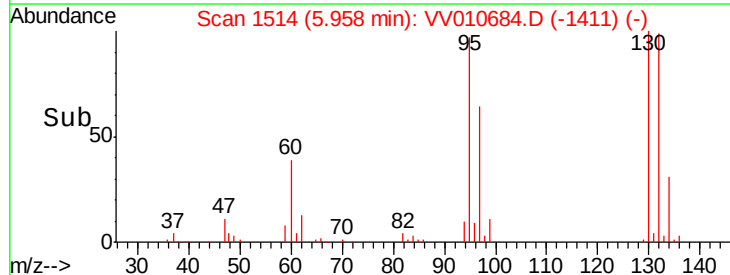
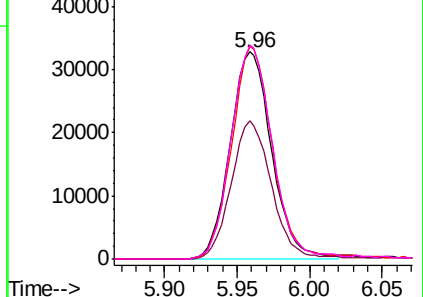


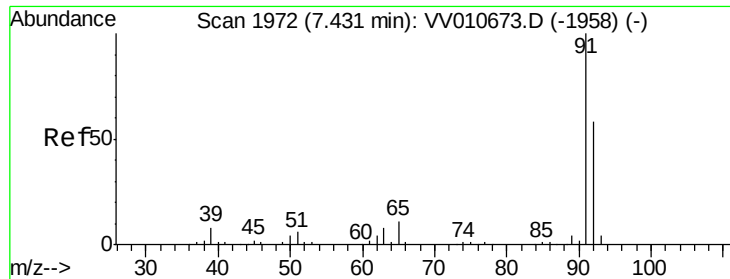
Abundance Ion 95.00 (94.70 to 95.70): VV0

Ion 97.00 (96.70 to 97.70): VV0

Ion 132.00 (131.70 to 132.70): V

Ion 130.00 (129.70 to 130.70): V





#44

Toluene

Concen: 28.209 ug/L

RT: 7.43 min Scan# 1972

Delta R.T. 0.00 min

Lab File: VV010684.D

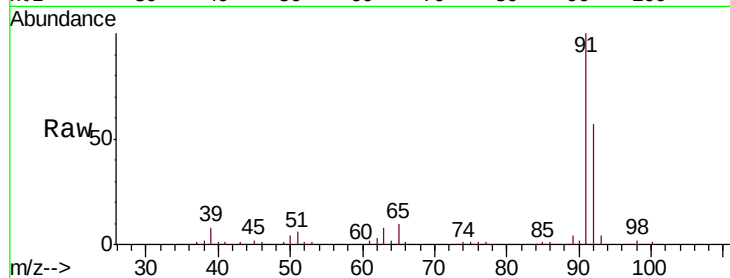
Acq: 06 May 2019 18:40

Tgt Ion: 91 Resp: 275092

Ion Ratio Lower Upper

91 100

92 57.4 40.1 74.5



Abundance Ion 91.00 (90.70 to 91.70): VV010684.D (-1869) (-)

Ion 92.00 (91.70 to 92.70): VV010684.D (-1869) (-)

7.43

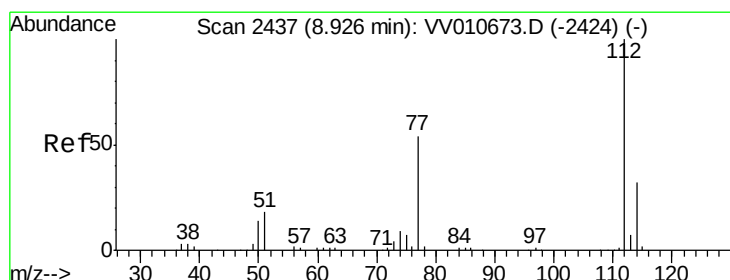
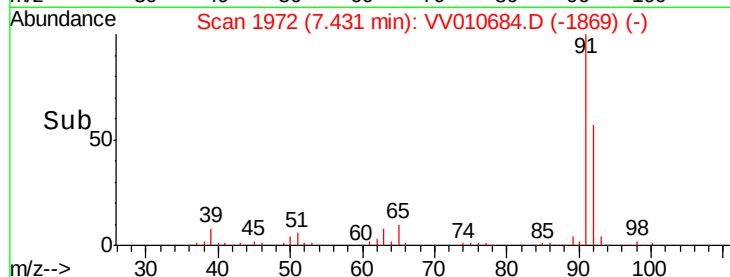
150000

100000

50000

0

Time-->



#52

Chlorobenzene

Concen: 26.951 ug/L

RT: 8.93 min Scan# 2437

Delta R.T. 0.00 min

Lab File: VV010684.D

Acq: 06 May 2019 18:40

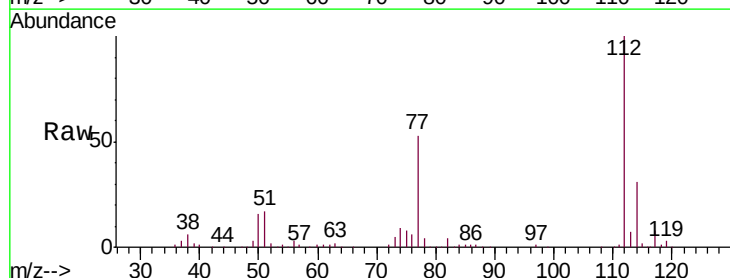
Tgt Ion: 112 Resp: 183427

Ion Ratio Lower Upper

112 100

77 53.5 44.5 66.7

114 31.4 22.5 41.7



Abundance Ion 112.00 (111.70 to 112.70): VV010684.D (-2334) (-)

Ion 77.00 (76.70 to 77.70): VV010684.D (-2334) (-)

Ion 114.00 (113.70 to 114.70): VV010684.D (-2334) (-)

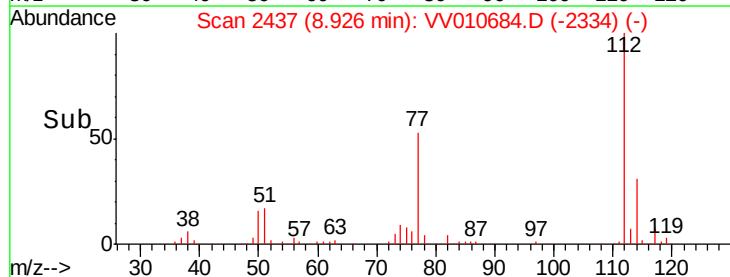
8.93

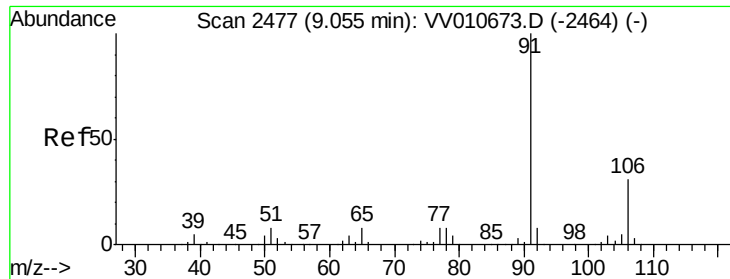
100000

50000

0

Time-->





#53

Ethylbenzene

Concen: 0.881 ug/L

RT: 9.05 min Scan# 2477

Delta R.T. 0.00 min

Lab File: VV010684.D

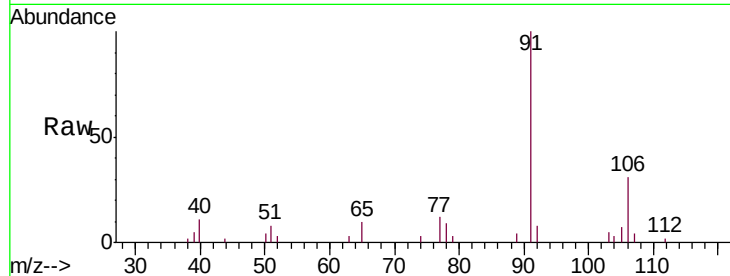
Acq: 06 May 2019 18:40

Tgt Ion: 91 Resp: 9717

Ion Ratio Lower Upper

91 100

106 30.9 22.0 41.0



Abundance Ion 91.00 (90.70 to 91.70): VV010673.D (-2464) (-)

Ion 106.00 (105.70 to 106.70): VV010673.D (-2464) (-)

9.05

6000

5000

4000

3000

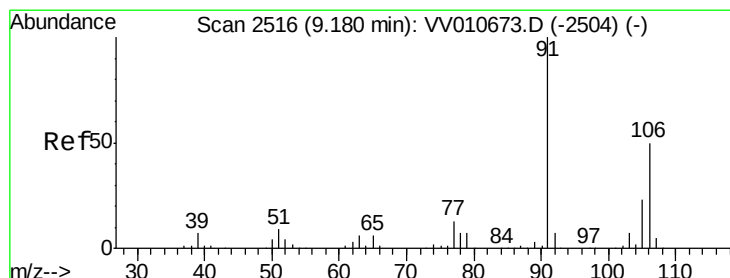
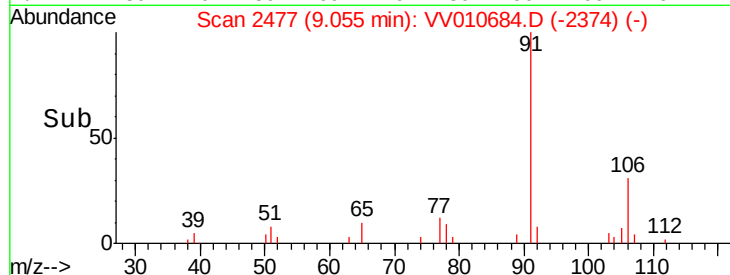
2000

1000

0

9.00 9.05 9.10

Time-->



#54

m,p-Xylene

Concen: 8.287 ug/L

RT: 9.18 min Scan# 2516

Delta R.T. 0.00 min

Lab File: VV010684.D

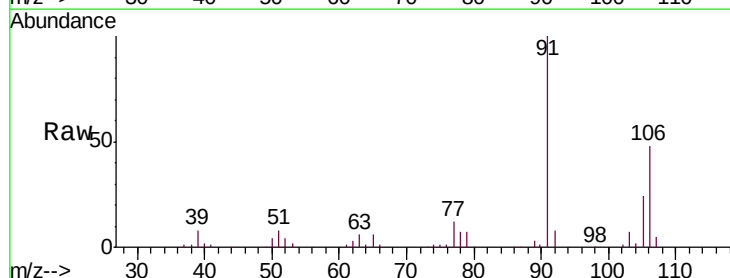
Acq: 06 May 2019 18:40

Tgt Ion: 106 Resp: 34633

Ion Ratio Lower Upper

106 100

91 209.8 140.4 260.8



Abundance Ion 106.00 (105.70 to 106.70): VV010673.D (-2504) (-)

Ion 91.00 (90.70 to 91.70): VV010673.D (-2504) (-)

9.18

40000

30000

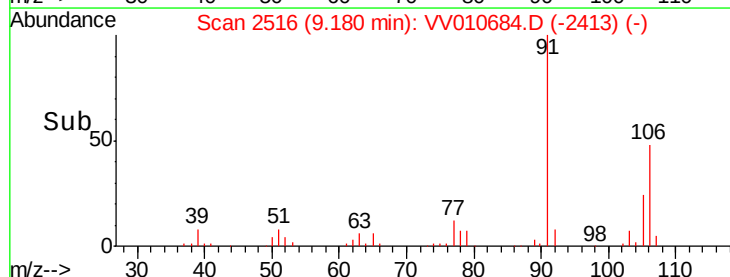
20000

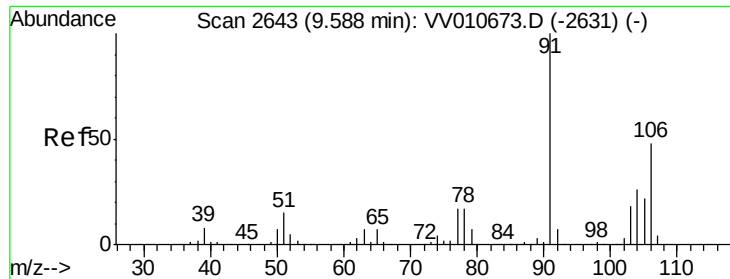
10000

0

9.15 9.20 9.25

Time-->





#55

o-xylene

Concen: 7.081 ug/L

RT: 9.59 min Scan# 2643

Delta R.T. 0.00 min

Lab File: VV010684.D

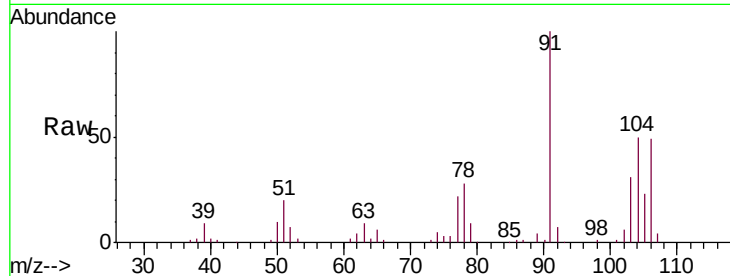
Acq: 06 May 2019 18:40

Tgt Ion:106 Resp: 28912

Ion Ratio Lower Upper

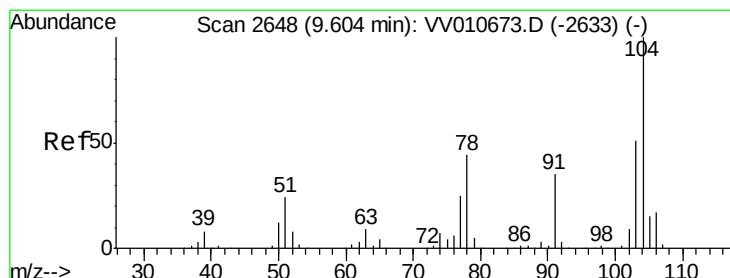
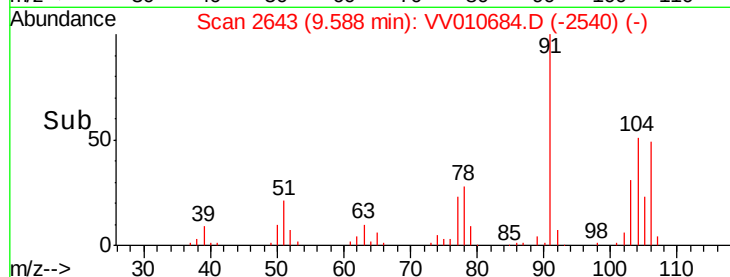
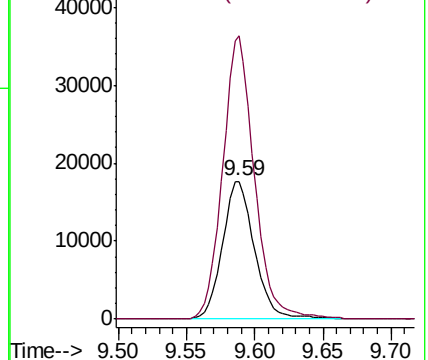
106 100

91 205.1 147.3 273.5



Abundance Ion 106.00 (105.70 to 106.70): V

Ion 91.00 (90.70 to 91.70): VV0



#56

Styrene

Concen: 14.692 ug/L

RT: 9.60 min Scan# 2648

Delta R.T. 0.00 min

Lab File: VV010684.D

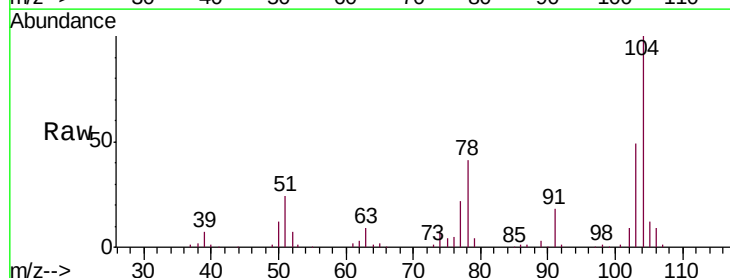
Acq: 06 May 2019 18:40

Tgt Ion:104 Resp: 101806

Ion Ratio Lower Upper

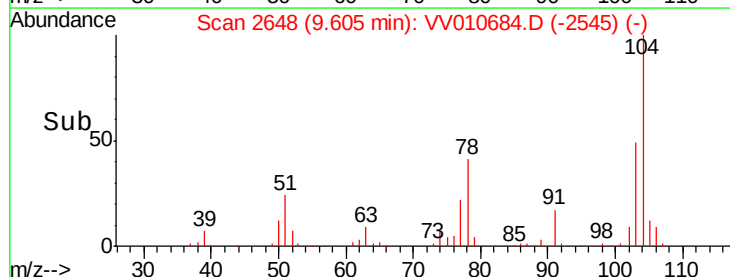
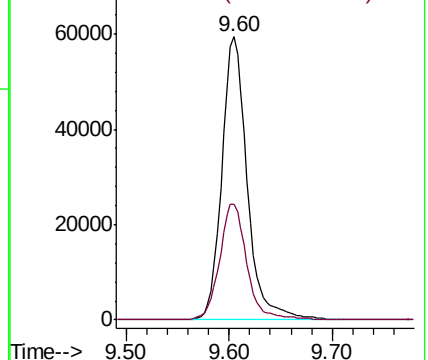
104 100

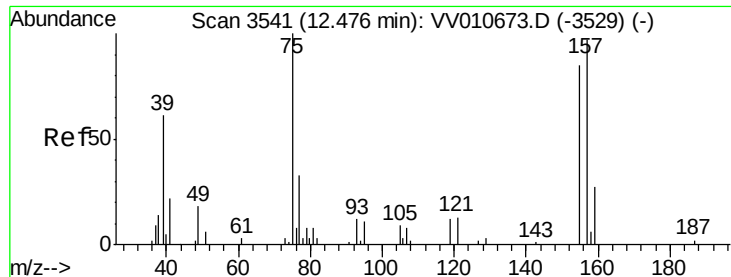
78 40.8 30.4 56.5



Abundance Ion 104.00 (103.70 to 104.70): V

Ion 78.00 (77.70 to 78.70): VV0





#66
 1,2-Dibromo-3-chloropropane
 Concen: 7.302 ug/L
 RT: 12.53 min Scan# 3558
 Delta R.T. 0.05 min
 Lab File: VV010684.D
 Acq: 06 May 2019 18:40

Tgt Ion: 75 Resp: 2851
 Ion Ratio Lower Upper
 75 100
 157 0.0 91.1 136.7#
 155 0.0 61.0 91.6#

