

Data File : VV010677.D
Acq On : 06 May 2019 14:47
Operator : SY/MD
Sample : K2603-02MS
Misc : 5.09G/10ML/MSVOA_V/SOIL
ALS Vial : 1 Sample Multiplier: 1

Quant Time: May 07 04:05:37 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	5.67	114	50778	25.00	ug/L	0.00
28) Chlorobenzene-d5	8.90	117	47731	25.00	ug/L	0.00
60) 1,4-Dichlorobenzene-d4	11.30	152	18386	25.00	ug/L	0.00

System Monitoring Compounds

4) Vinyl Chloride-d3	1.32	65	8899	13.84	ug/L	0.00
Spiked Amount	25.000	Range	30 - 150	Recovery	=	55.36%
7) Chloroethane-d5	1.58	69	7336	16.30	ug/L	0.02
Spiked Amount	25.000	Range	30 - 150	Recovery	=	65.20%
10) 1,1-Dichloroethene-d2	2.13	63	18829	16.70	ug/L	0.00
Spiked Amount	25.000	Range	45 - 110	Recovery	=	66.80%
20) 2-Butanone-d5	3.95	46	3943	20.16	ug/L	0.01
Spiked Amount	50.000	Range	20 - 135	Recovery	=	40.32%
24) Chloroform-d	4.40	84	27624	21.06	ug/L	0.00
Spiked Amount	25.000	Range	40 - 150	Recovery	=	84.24%
26) 1,2-Dichloroethane-d4	5.09	65	15189	20.21	ug/L	0.00
Spiked Amount	25.000	Range	70 - 130	Recovery	=	80.84%
29) Benzene-d6	5.10	84	56247	22.74	ug/L	0.00
Spiked Amount	25.000	Range	20 - 135	Recovery	=	90.96%
33) 1,2-Dichloropropane-d6	6.12	67	17784	23.47	ug/L	0.00
Spiked Amount	25.000	Range	70 - 120	Recovery	=	93.88%
37) Toluene-d8	7.36	98	52084	21.91	ug/L	0.00
Spiked Amount	25.000	Range	30 - 130	Recovery	=	87.64%
38) trans-1,3-Dichloropropene-	7.67	79	5819	18.58	ug/L	0.00
Spiked Amount	25.000	Range	30 - 135	Recovery	=	74.32%
39) 2-Hexanone-d5	8.14	63	5090	37.73	ug/L	0.00
Spiked Amount	50.000	Range	20 - 135	Recovery	=	75.46%
48) 1,1,2,2-Tetrachloroethane-	10.26	84	14919	21.85	ug/L	0.00
Spiked Amount	25.000	Range	45 - 120	Recovery	=	87.40%
61) 1,2-Dichlorobenzene-d4	11.67	152	17859	25.24	ug/L	0.00
Spiked Amount	25.000	Range	75 - 120	Recovery	=	100.96%

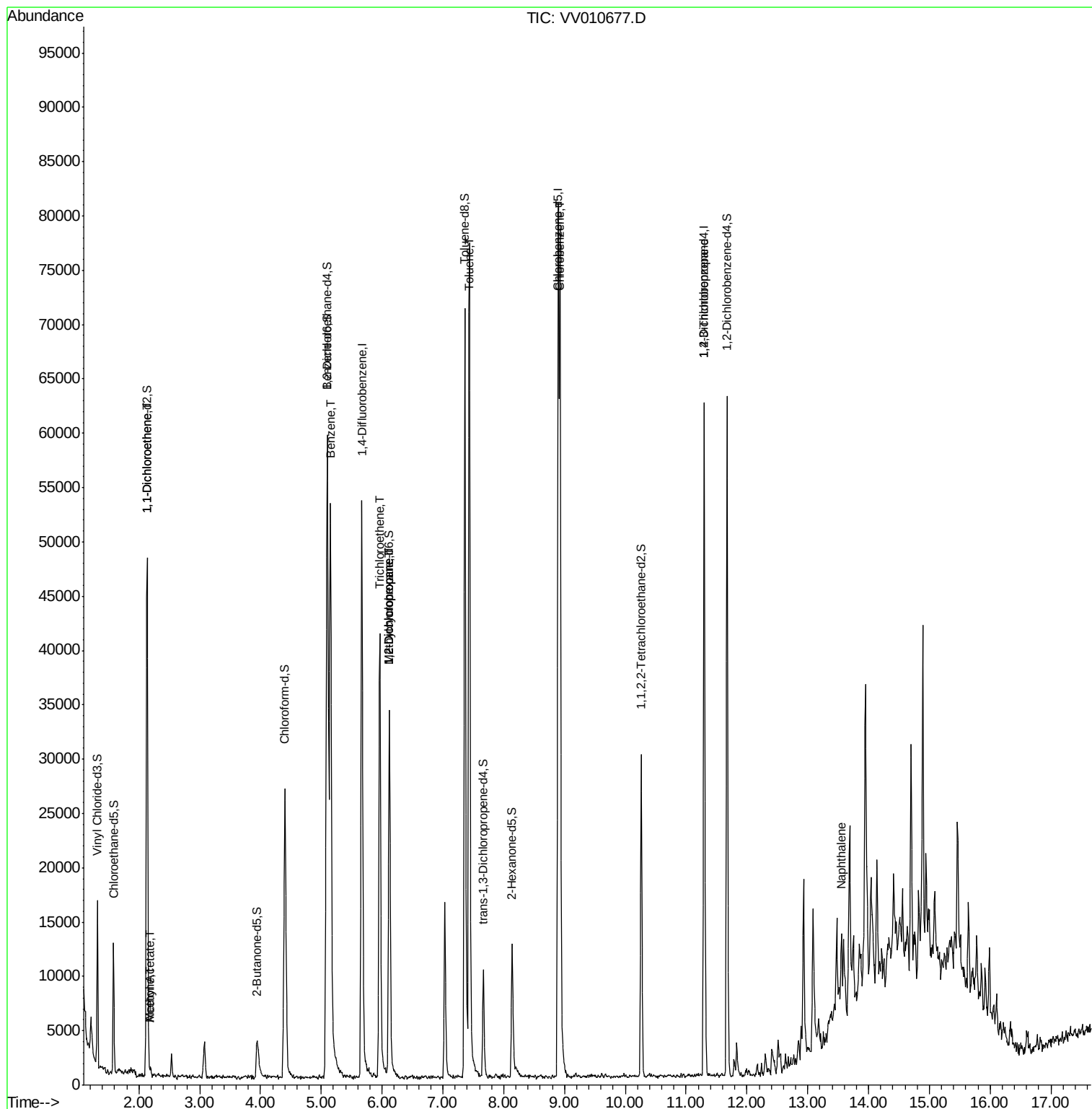
Target Compounds

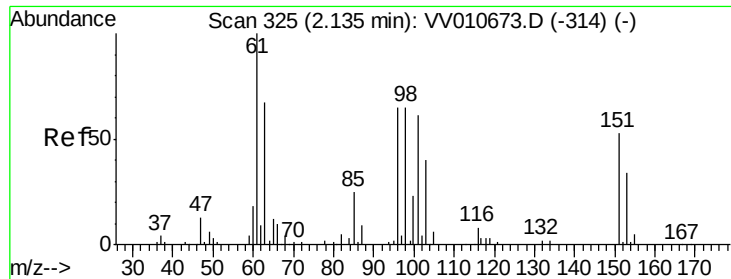
						Qvalue
12) 1,1-Dichloroethene	2.14	96	9267	18.996	ug/L	97
13) Acetone	2.19	43	804	4.795	ug/L	77
15) Methyl Acetate	2.19	43	804	2.453	ug/L #	50
34) Benzene	5.15	78	53680	23.526	ug/L	100
35) Trichloroethene	5.96	95	14977	23.012	ug/L	98
36) Methylcyclohexane	6.12	83	3930	4.226	ug/L #	25
40) 1,2-Dichloropropane	6.11	63	1789	3.015	ug/L #	87
44) Toluene	7.43	91	63253	25.118	ug/L	100
52) Chlorobenzene	8.93	112	42433	24.144	ug/L	98
59) 1,2,3-Trichloropropane	11.30	75	2094	4.503	ug/L	95
69) Naphthalene	13.56	128	5771	4.911	ug/L	97

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

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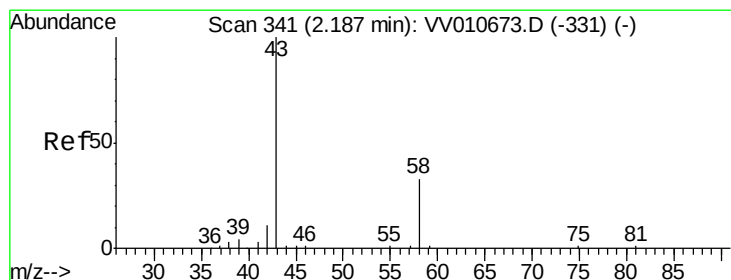
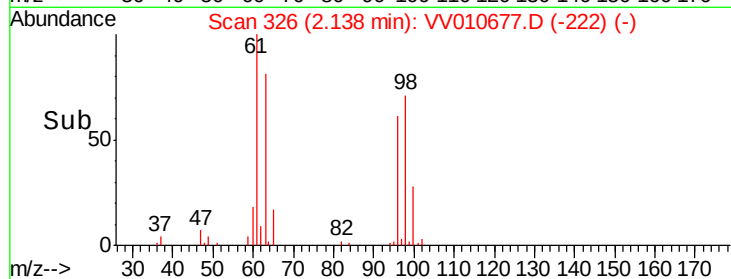
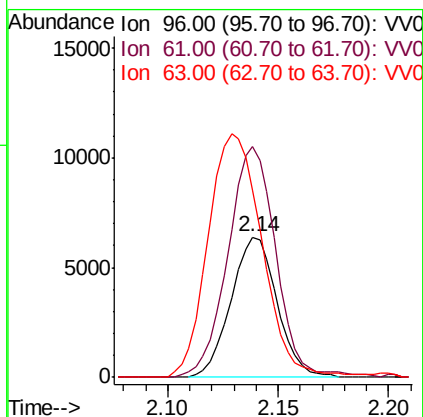
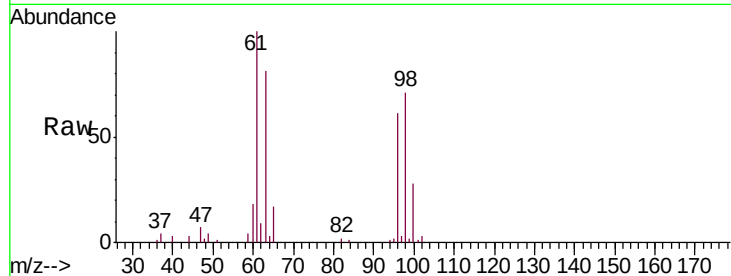
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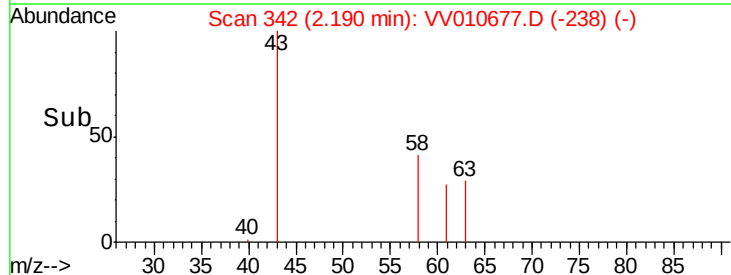
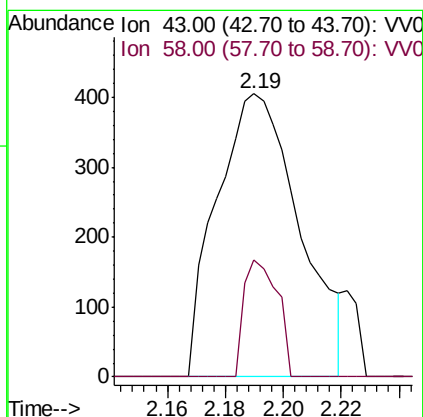
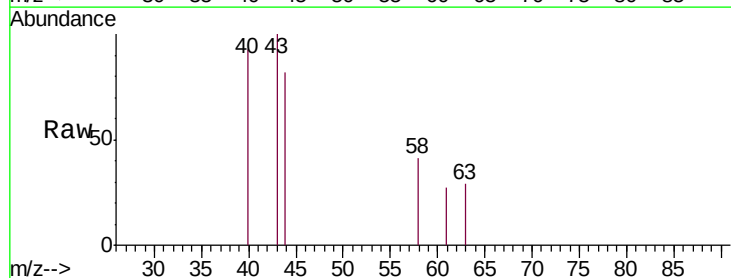
#12
 1,1-Dichloroethene
 Concen: 18.996 ug/L
 RT: 2.14 min Scan# 326
 Delta R.T. 0.00 min
 Lab File: VV010677.D
 Acq: 06 May 2019 14:47

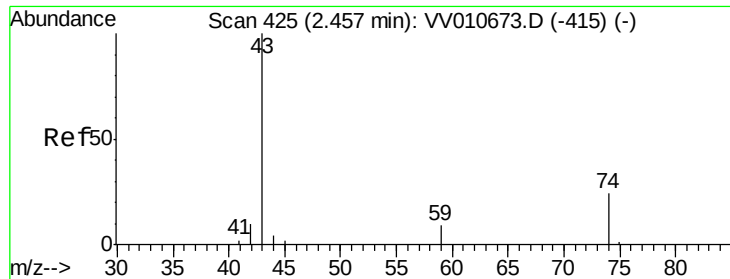
Tgt Ion:	96	Resp:	9267
Ion	Ratio	Lower	Upper
96	100		
61	164.6	111.1	206.3
63	133.8	95.2	176.8



#13
 Acetone
 Concen: 4.795 ug/L
 RT: 2.19 min Scan# 342
 Delta R.T. 0.00 min
 Lab File: VV010677.D
 Acq: 06 May 2019 14:47

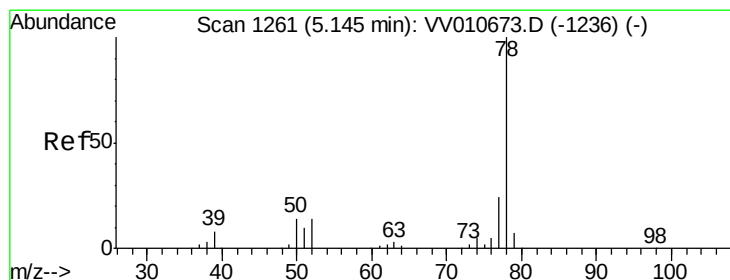
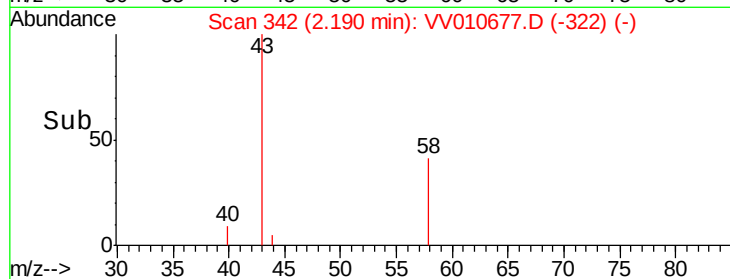
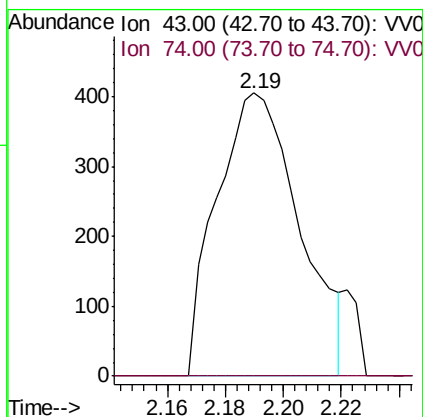
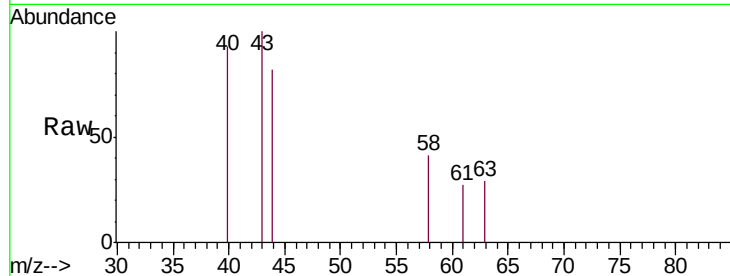
Tgt Ion:	43	Resp:	804
Ion	Ratio	Lower	Upper
43	100		
58	16.8	0.0	58.2





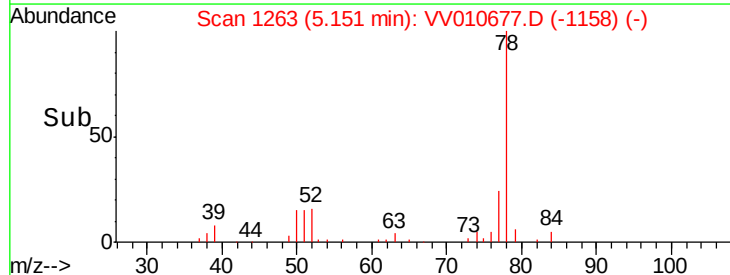
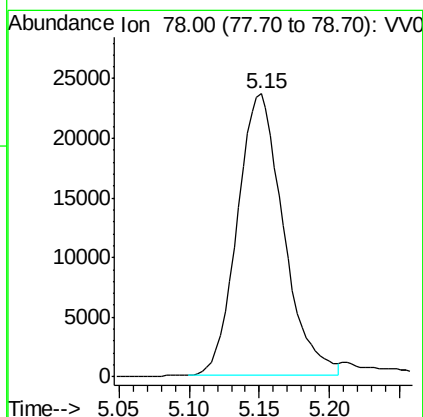
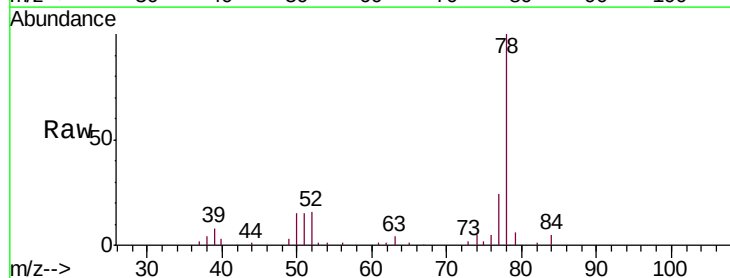
#15
Methyl Acetate
Concen: 2.453 ug/L
RT: 2.19 min Scan# 342
Delta R.T. -0.27 min
Lab File: VV010677.D
Acq: 06 May 2019 14:47

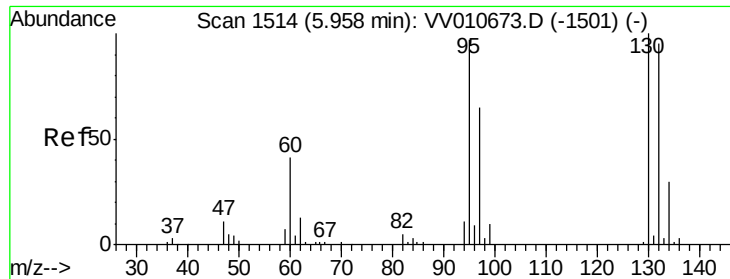
Tgt Ion: 43 Resp: 804
Ion Ratio Lower Upper
43 100
74 0.0 20.0 30.0#



#34
Benzene
Concen: 23.526 ug/L
RT: 5.15 min Scan# 1263
Delta R.T. 0.01 min
Lab File: VV010677.D
Acq: 06 May 2019 14:47

Tgt Ion: 78 Resp: 53680





#35

Trichloroethene

Concen: 23.012 ug/L

RT: 5.96 min Scan# 1515

Delta R.T. 0.00 min

Lab File: VV010677.D

Acq: 06 May 2019 14:47

Tgt Ion: 95 Resp: 14977

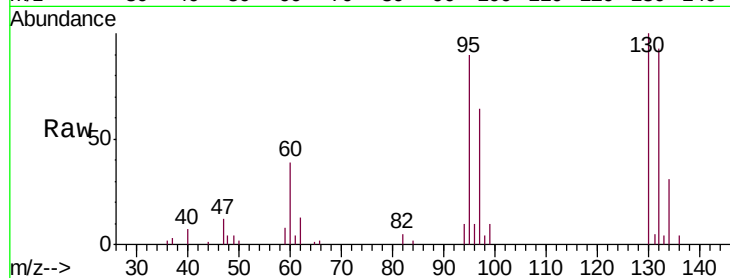
Ion Ratio Lower Upper

95 100

97 65.5 45.0 83.6

132 102.6 69.9 129.9

130 104.3 71.3 132.3

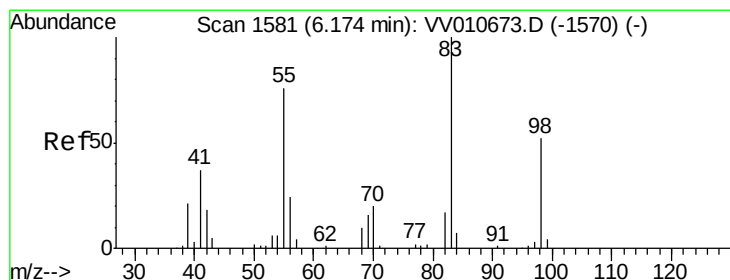
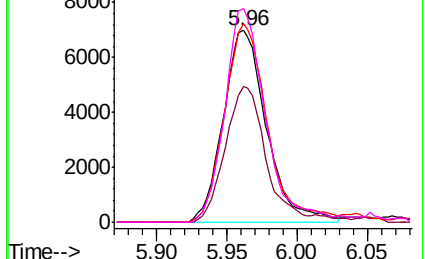
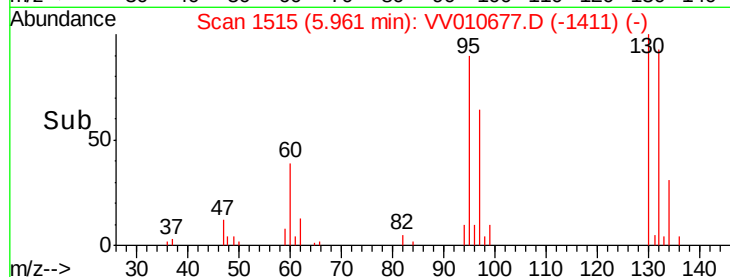


Abundance Ion 95.00 (94.70 to 95.70): VV0

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



#36

Methylcyclohexane

Concen: 4.226 ug/L

RT: 6.12 min Scan# 1564

Delta R.T. -0.05 min

Lab File: VV010677.D

Acq: 06 May 2019 14:47

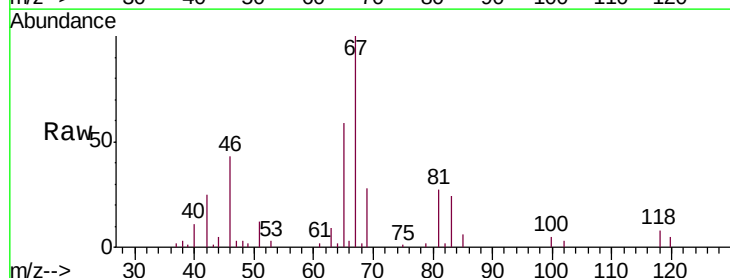
Tgt Ion: 83 Resp: 3930

Ion Ratio Lower Upper

83 100

55 0.0 61.4 92.0#

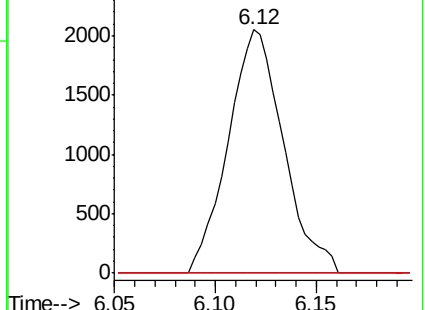
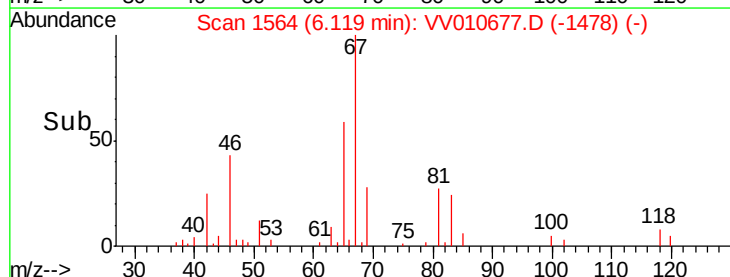
98 12.7 37.4 56.2#

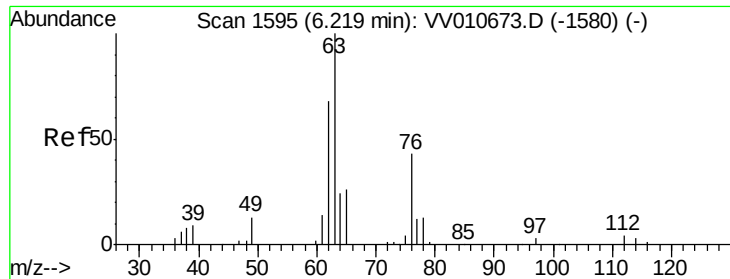


Abundance Ion 83.00 (82.70 to 83.70): VV0

Ion 55.00 (54.70 to 55.70): VV0

Ion 98.00 (97.70 to 98.70): VV0





#40

1,2-Dichloropropane

Concen: 3.015 ug/L

RT: 6.11 min Scan# 1562

Delta R.T. -0.11 min

Lab File: VV010677.D

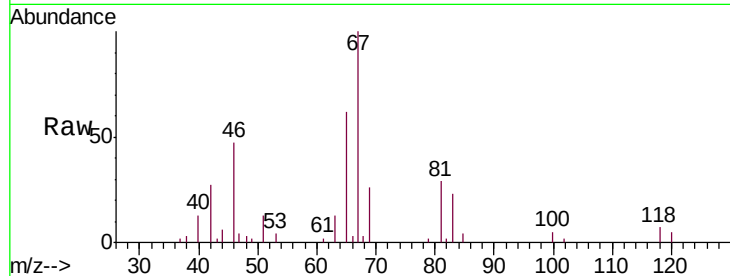
Acq: 06 May 2019 14:47

Tgt Ion: 63 Resp: 1789

Ion Ratio Lower Upper

63 100

112 0.0 3.4 5.0#



Abundance Ion 63.00 (62.70 to 63.70): VV010677.D (-1580) (-)

Ion 112.00 (111.70 to 112.70): VV010677.D (-1580) (-)

6.11

1000

800

600

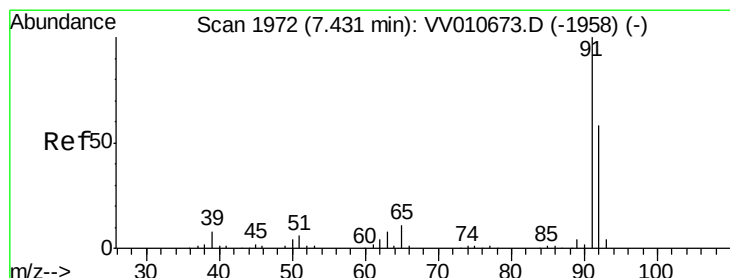
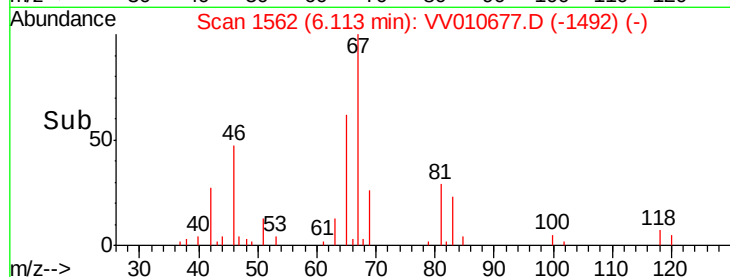
400

200

0

6.10 6.15

Time-->



#44

Toluene

Concen: 25.118 ug/L

RT: 7.43 min Scan# 1973

Delta R.T. 0.00 min

Lab File: VV010677.D

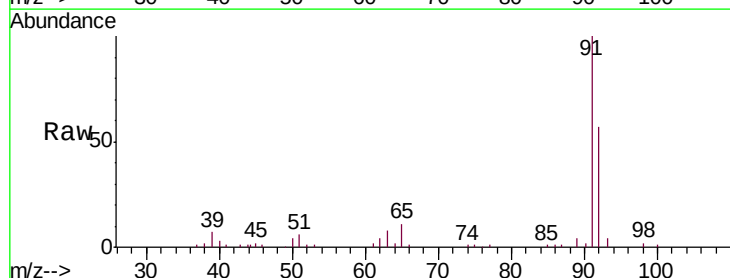
Acq: 06 May 2019 14:47

Tgt Ion: 91 Resp: 63253

Ion Ratio Lower Upper

91 100

92 57.3 40.1 74.5



Abundance Ion 91.00 (90.70 to 91.70): VV010677.D (-1958) (-)

Ion 92.00 (91.70 to 92.70): VV010677.D (-1958) (-)

7.43

30000

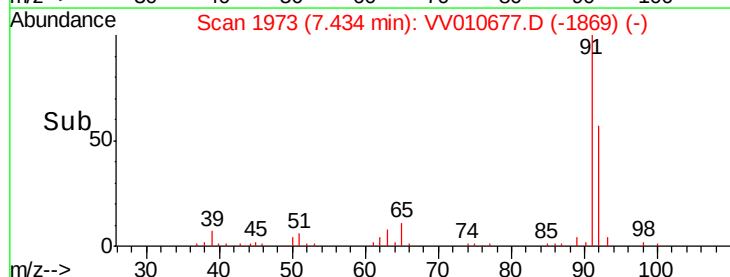
20000

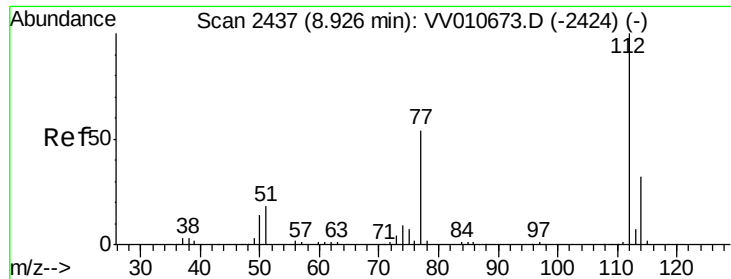
10000

0

7.40 7.50 7.60

Time-->





#52

Chlorobenzene

Concen: 24.144 ug/L

RT: 8.93 min Scan# 2437

Delta R.T. -0.00 min

Lab File: VV010677.D

Acq: 06 May 2019 14:47

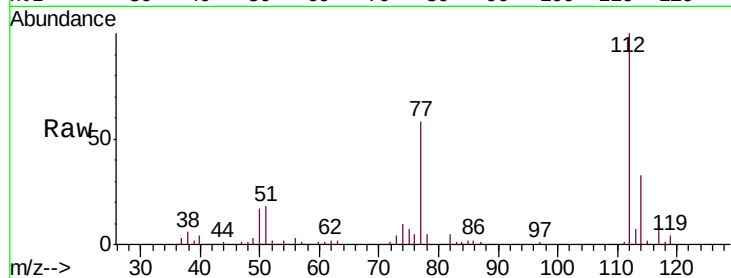
Tgt Ion: 112 Resp: 42433

Ion Ratio Lower Upper

112 100

77 57.6 44.5 66.7

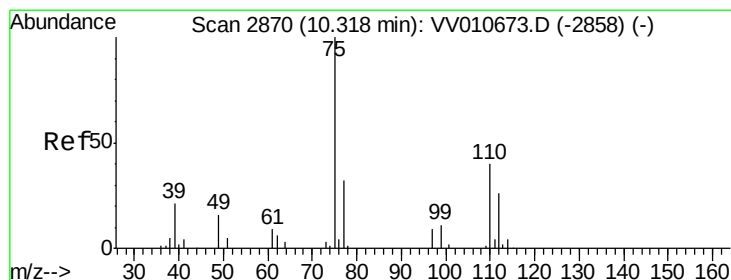
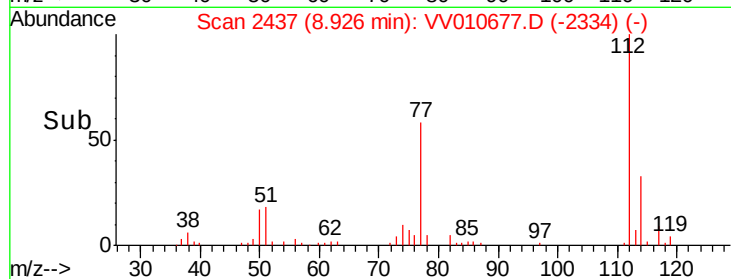
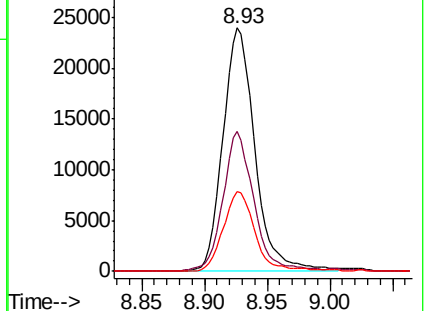
114 32.7 22.5 41.7



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: 4.503 ug/L

RT: 11.30 min Scan# 3175

Delta R.T. 0.98 min

Lab File: VV010677.D

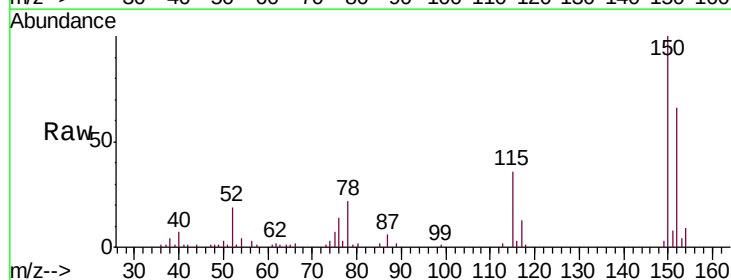
Acq: 06 May 2019 14:47

Tgt Ion: 75 Resp: 2094

Ion Ratio Lower Upper

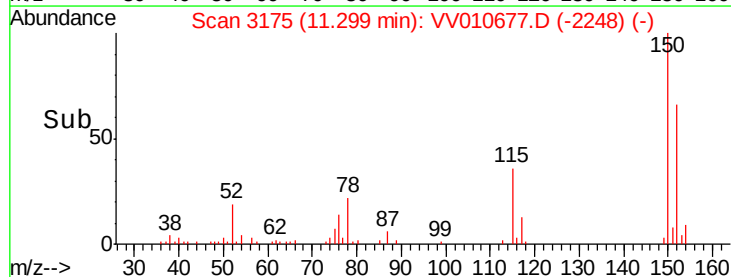
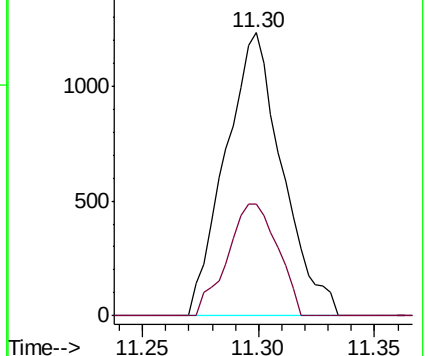
75 100

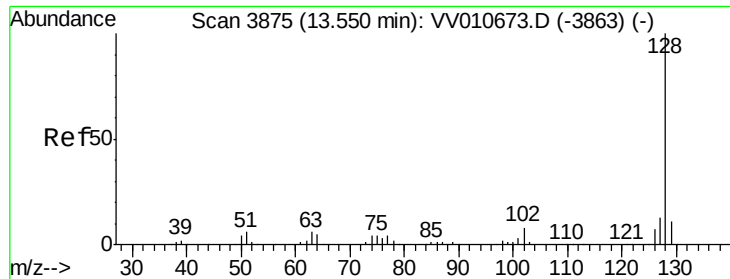
77 34.9 25.6 38.4



Abundance Ion 75.00 (74.70 to 75.70): VV0

Ion 77.00 (76.70 to 77.70): VV0





#69

Naphthalene

Concen: 4.911 ug/L

RT: 13.56 min Scan# 3877

Delta R.T. 0.01 min

Lab File: VV010677.D

Acq: 06 May 2019 14:47

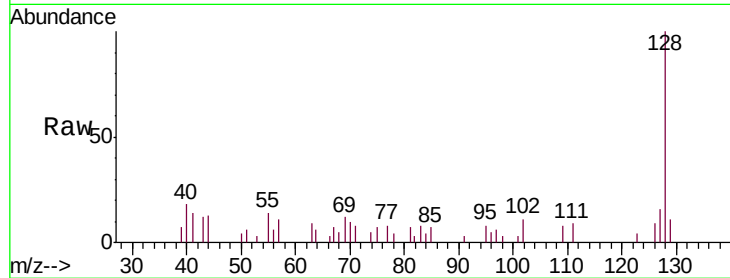
Tgt Ion:128 Resp: 5771

Ion Ratio Lower Upper

128 100

129 10.0 8.6 13.0

127 12.0 10.6 15.8



Abundance Ion 128.00 (127.70 to 128.70): V
Ion 129.00 (128.70 to 129.70): V
Ion 127.00 (126.70 to 127.70): V

