

Data File : VV010680.D
Acq On : 06 May 2019 16:10
Operator : SY/MD
Sample : K2634-02MS
Misc : 5.01G/10ML/MSVOA_V/SOIL
ALS Vial : 1 Sample Multiplier: 1

Quant Time: May 07 04:06:02 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	211158	25.00	ug/L	0.00
28) Chlorobenzene-d5	8.90	117	201102	25.00	ug/L	0.00
60) 1,4-Dichlorobenzene-d4	11.30	152	90786	25.00	ug/L	0.00

System Monitoring Compounds

4) Vinyl Chloride-d3	1.32	65	34031	12.73	ug/L	0.00
Spiked Amount	25.000	Range	30 - 150	Recovery	=	50.92%
7) Chloroethane-d5	1.58	69	26863	14.35	ug/L	0.01
Spiked Amount	25.000	Range	30 - 150	Recovery	=	57.40%
10) 1,1-Dichloroethene-d2	2.13	63	70172	14.97	ug/L	0.00
Spiked Amount	25.000	Range	45 - 110	Recovery	=	59.88%
20) 2-Butanone-d5	3.94	46	21252	26.13	ug/L	0.00
Spiked Amount	50.000	Range	20 - 135	Recovery	=	52.26%
24) Chloroform-d	4.40	84	99617	18.26	ug/L	0.00
Spiked Amount	25.000	Range	40 - 150	Recovery	=	73.04%
26) 1,2-Dichloroethane-d4	5.08	65	53231	17.03	ug/L	0.00
Spiked Amount	25.000	Range	70 - 130	Recovery	=	68.12%#
29) Benzene-d6	5.10	84	222760	21.38	ug/L	0.00
Spiked Amount	25.000	Range	20 - 135	Recovery	=	85.52%
33) 1,2-Dichloropropane-d6	6.12	67	66202	20.74	ug/L	0.00
Spiked Amount	25.000	Range	70 - 120	Recovery	=	82.96%
37) Toluene-d8	7.36	98	212581	21.23	ug/L	0.00
Spiked Amount	25.000	Range	30 - 130	Recovery	=	84.92%
38) trans-1,3-Dichloropropene-	7.66	79	24109	18.27	ug/L	0.00
Spiked Amount	25.000	Range	30 - 135	Recovery	=	73.08%
39) 2-Hexanone-d5	8.13	63	18739	32.97	ug/L	0.00
Spiked Amount	50.000	Range	20 - 135	Recovery	=	65.94%
48) 1,1,2,2-Tetrachloroethane-	10.26	84	47146	16.39	ug/L	0.00
Spiked Amount	25.000	Range	45 - 120	Recovery	=	65.56%
61) 1,2-Dichlorobenzene-d4	11.67	152	77217	22.10	ug/L	0.00
Spiked Amount	25.000	Range	75 - 120	Recovery	=	88.40%

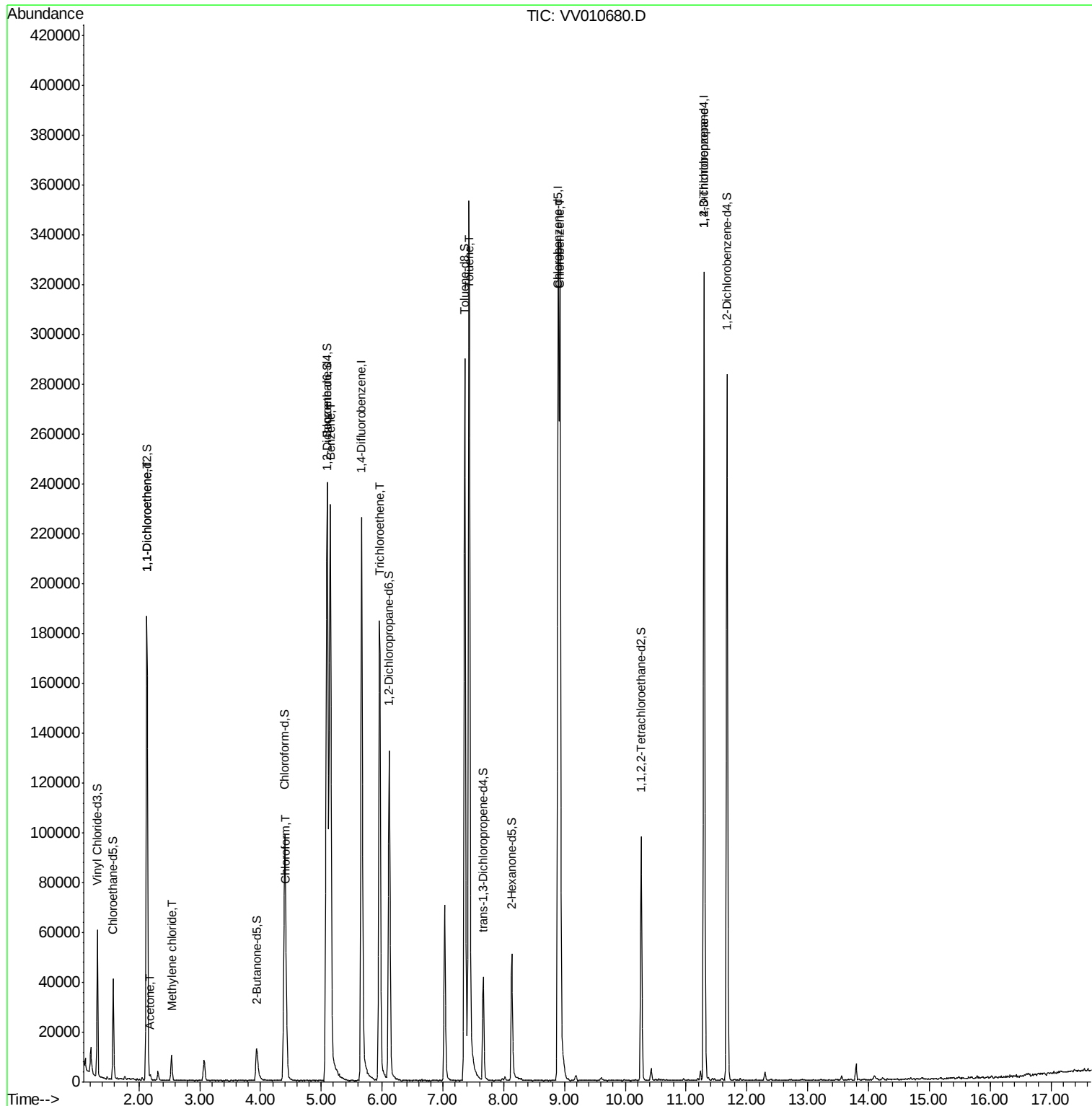
Target Compounds

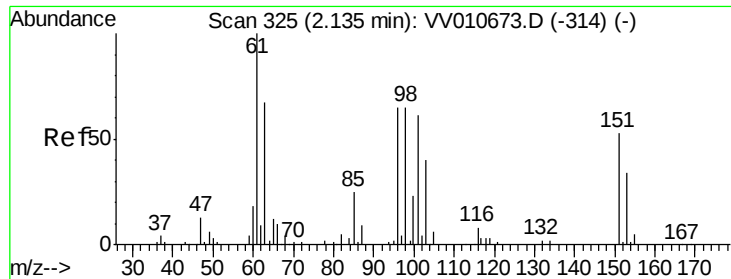
						Qvalue
12) 1,1-Dichloroethene	2.14	96	35995	17.743	ug/L	88
13) Acetone	2.19	43	1070	1.534	ug/L	85
16) Methylene chloride	2.54	84	4731	1.606	ug/L	88
25) Chloroform	4.43	83	11987	2.302	ug/L	89
34) Benzene	5.15	78	239177	24.880	ug/L	100
35) Trichloroethene	5.96	95	65198	23.777	ug/L	97
44) Toluene	7.43	91	278279	26.228	ug/L	98
52) Chlorobenzene	8.93	112	185416	25.040	ug/L	100
59) 1,2,3-Trichloropropane	11.29	75	10071	5.140	ug/L	89

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

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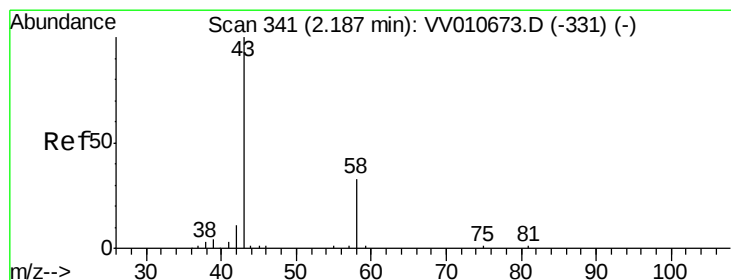
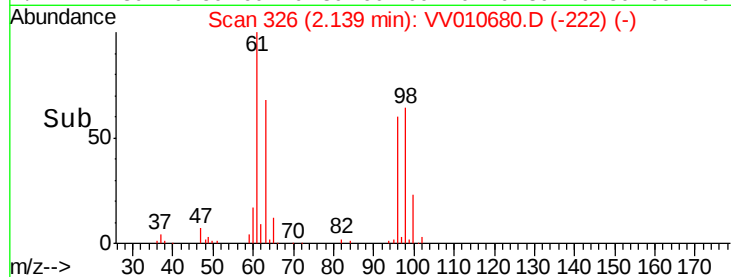
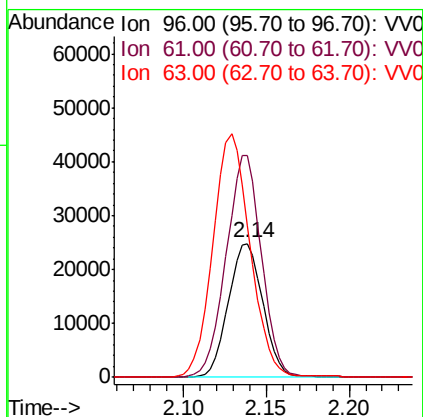
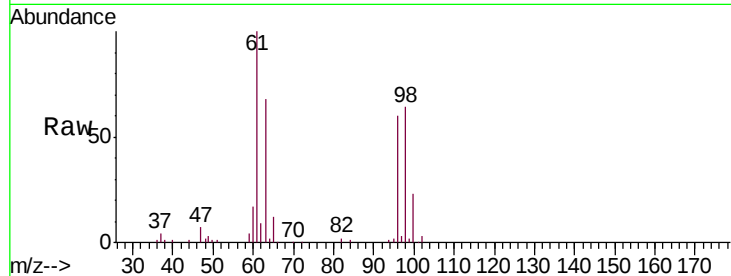
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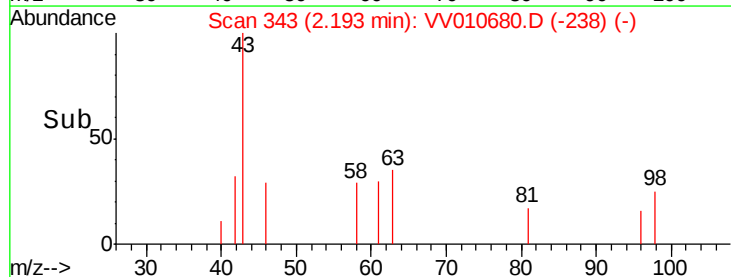
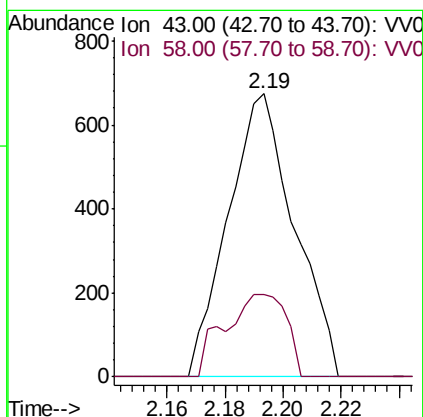
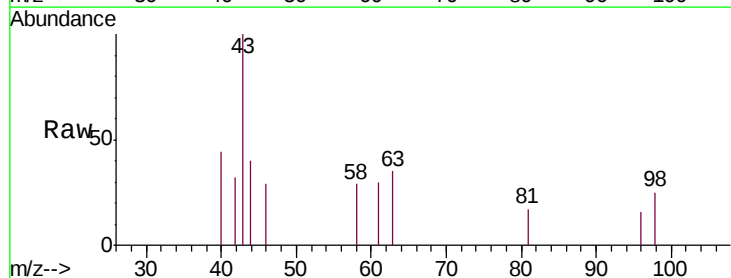
#12
 1,1-Dichloroethene
 Concen: 17.743 ug/L
 RT: 2.14 min Scan# 326
 Delta R.T. 0.00 min
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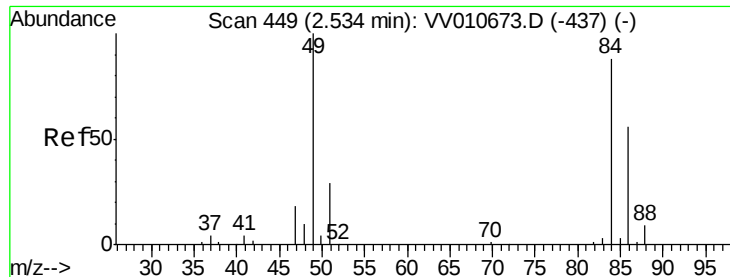
Tgt Ion	Resp	Lower	Upper
96	35995		
96	100		
61	166.1	111.1	206.3
63	113.3	95.2	176.8



#13
 Acetone
 Concen: 1.534 ug/L
 RT: 2.19 min Scan# 343
 Delta R.T. 0.01 min
 Lab File: VV010680.D
 Acq: 06 May 2019 16:10

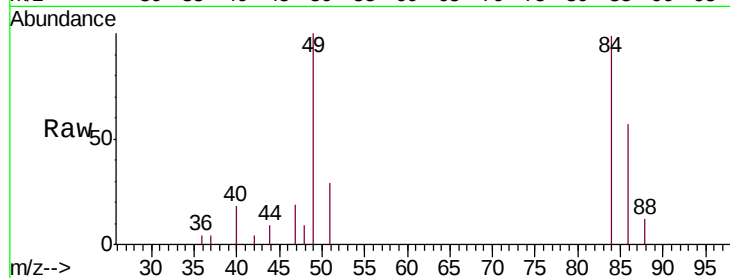
Tgt Ion	Resp	Lower	Upper
43	1070		
43	100		
58	21.0	0.0	58.2



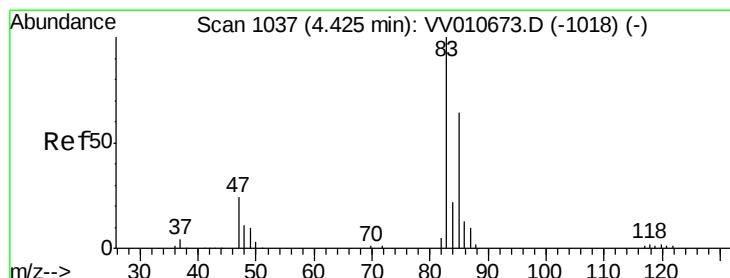
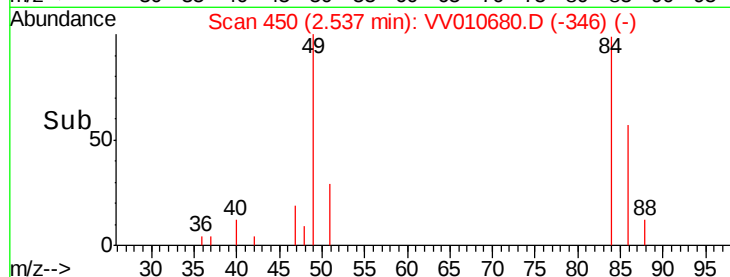
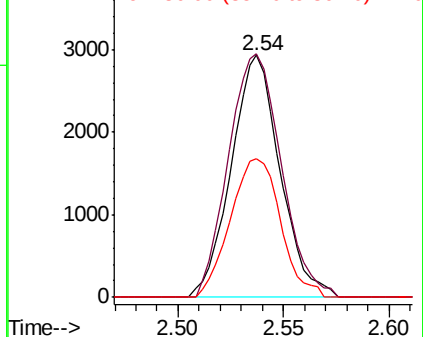


#16
Methylene chloride
Concen: 1.606 ug/L
RT: 2.54 min Scan# 450
Delta R.T. 0.00 min
Lab File: VV010680.D
Acq: 06 May 2019 16:10

Tgt Ion: 84 Resp: 4731
Ion Ratio Lower Upper
84 100
49 100.5 81.9 152.1
86 57.1 44.0 81.6

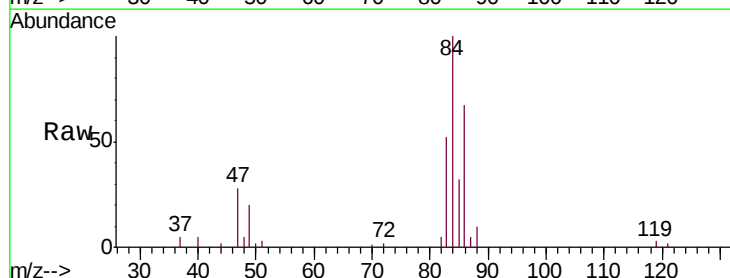


Abundance Ion 84.00 (83.70 to 84.70): VV0
Ion 49.00 (48.70 to 49.70): VV0
Ion 86.00 (85.70 to 86.70): VV0

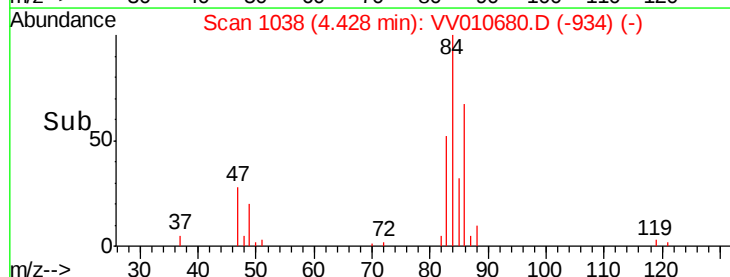
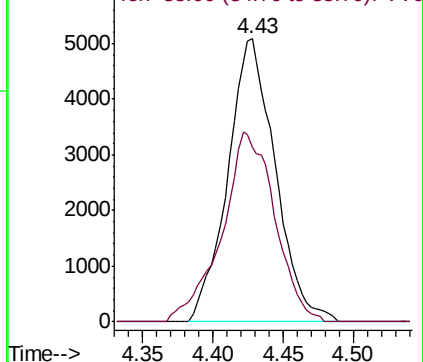


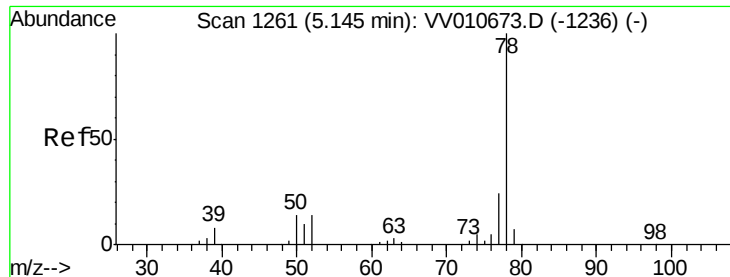
#25
Chloroform
Concen: 2.302 ug/L
RT: 4.43 min Scan# 1038
Delta R.T. 0.00 min
Lab File: VV010680.D
Acq: 06 May 2019 16:10

Tgt Ion: 83 Resp: 11987
Ion Ratio Lower Upper
83 100
85 74.6 46.3 86.1



Abundance Ion 83.00 (82.70 to 83.70): VV0
Ion 85.00 (84.70 to 85.70): VV0





#34

Benzene

Concen: 24.880 ug/L

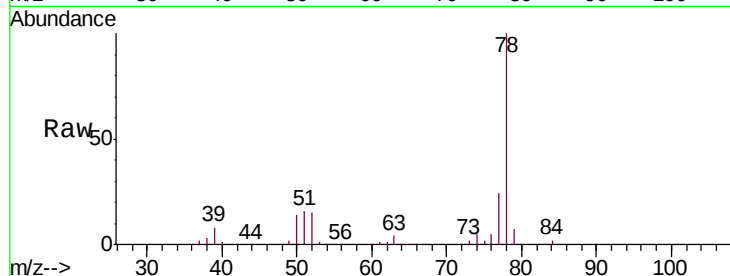
RT: 5.15 min Scan# 1262

Delta R.T. 0.00 min

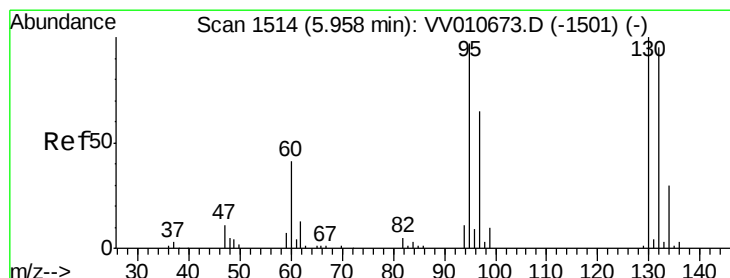
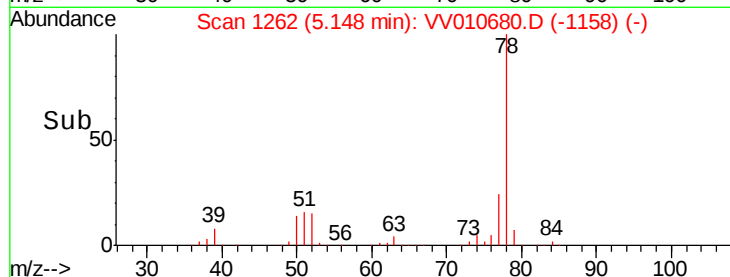
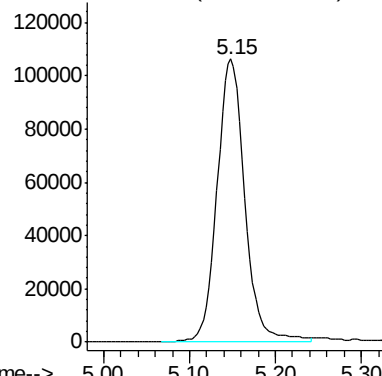
Lab File: VV010680.D

Acq: 06 May 2019 16:10

Tgt Ion: 78 Resp: 239177



Abundance Ion 78.00 (77.70 to 78.70): VV0



#35

Trichloroethene

Concen: 23.777 ug/L

RT: 5.96 min Scan# 1514

Delta R.T. -0.00 min

Lab File: VV010680.D

Acq: 06 May 2019 16:10

Tgt Ion: 95 Resp: 65198

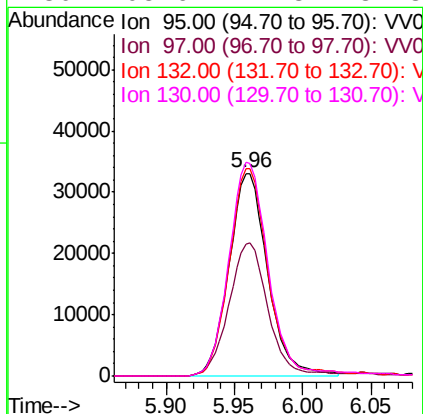
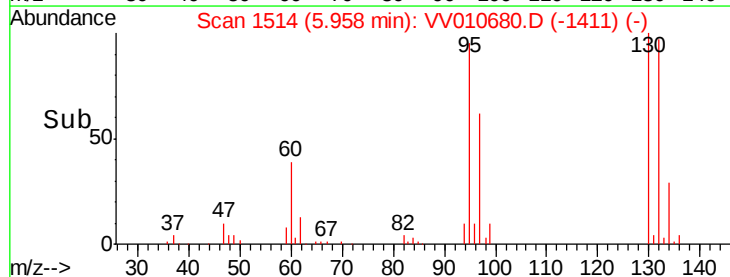
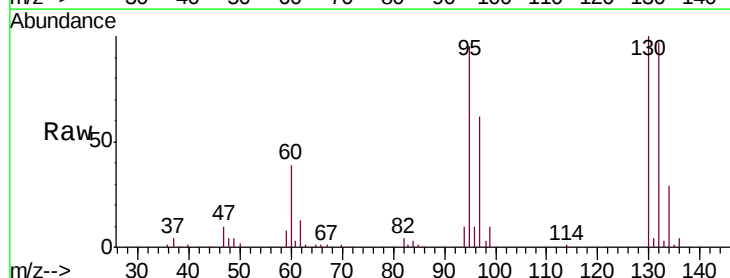
Ion	Ratio	Lower	Upper
95	100		
97	65.1	45.0	83.6
132	102.4	69.9	129.9
130	105.6	71.3	132.3

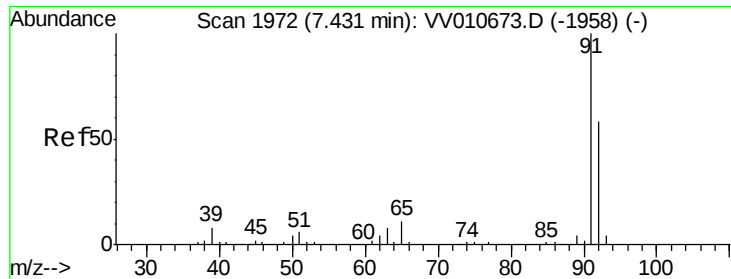
Abundance Ion 95.00 (94.70 to 95.70): VV0

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: 26.228 ug/L

RT: 7.43 min Scan# 1972

Delta R.T. -0.00 min

Lab File: VV010680.D

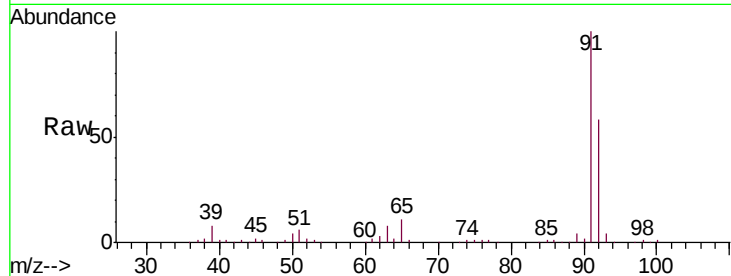
Acq: 06 May 2019 16:10

Tgt Ion: 91 Resp: 278279

Ion Ratio Lower Upper

91 100

92 58.4 40.1 74.5



Abundance Ion 91.00 (90.70 to 91.70): VV010673.D (-1958) (-)

Ion 92.00 (91.70 to 92.70): VV010673.D (-1958) (-)

7.43

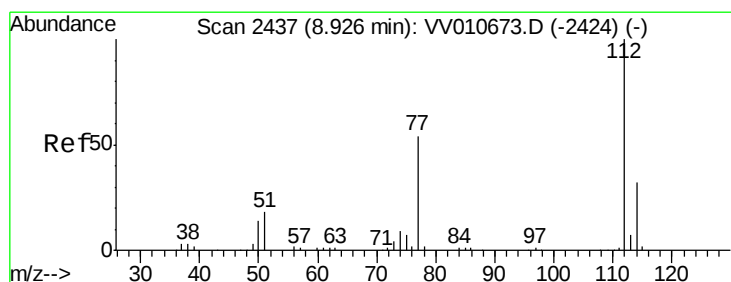
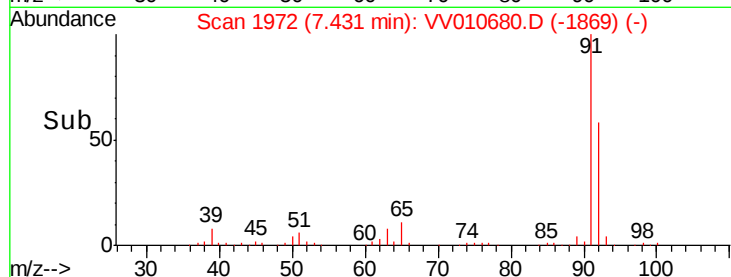
150000

100000

50000

0

Time-->



#52

Chlorobenzene

Concen: 25.040 ug/L

RT: 8.93 min Scan# 2437

Delta R.T. -0.00 min

Lab File: VV010680.D

Acq: 06 May 2019 16:10

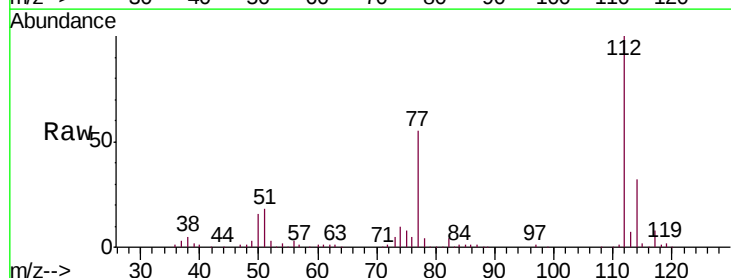
Tgt Ion: 112 Resp: 185416

Ion Ratio Lower Upper

112 100

77 55.2 44.5 66.7

114 32.0 22.5 41.7



Abundance Ion 112.00 (111.70 to 112.70): VV010673.D (-2424) (-)

Ion 77.00 (76.70 to 77.70): VV010673.D (-2424) (-)

Ion 114.00 (113.70 to 114.70): VV010673.D (-2424) (-)

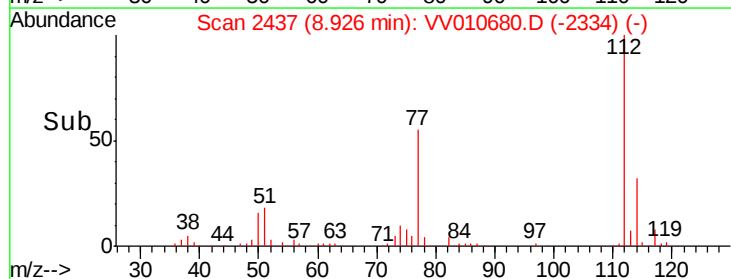
8.93

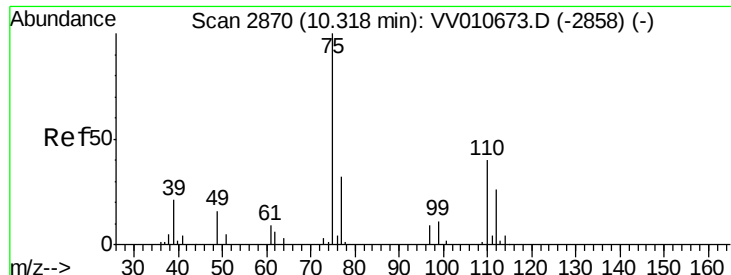
100000

50000

0

Time-->





#59

1,2,3-Trichloropropane

Concen: 5.140 ug/L

RT: 11.29 min Scan# 3173

Delta R.T. 0.97 min

Lab File: VV010680.D

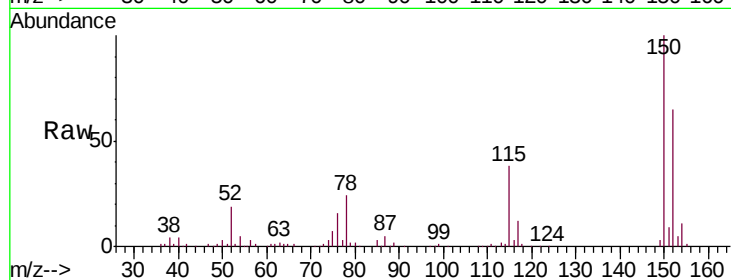
Acq: 06 May 2019 16:10

Tgt Ion: 75 Resp: 10071

Ion Ratio Lower Upper

75 100

77 38.3 25.6 38.4



Abundance Ion 75.00 (74.70 to 75.70): VV0

Ion 77.00 (76.70 to 77.70): VV0

