

Data File : VW010834.D
Acq On : 17 Jun 2019 18:12
Operator : SY/VA
Sample : K3363-07
Misc : 3.39G/10ML/MSVOA_W/SOIL
ALS Vial : 1 Sample Multiplier: 1

Quant Time: Jun 18 05:53:50 2019
Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_W\METHOD\SOM2WLM061119S.M
Quant Title : VOC Analysis
QLast Update : Tue Jun 18 05:48:46 2019
Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Difluorobenzene	8.84	114	128175	25.00	ug/L	0.00
28) Chlorobenzene-d5	11.63	117	46037	25.00	ug/L	0.00
60) 1,4-Dichlorobenzene-d4	13.56	152	3678	25.00	ug/L	0.00

System Monitoring Compounds

4) Vinyl Chloride-d3	2.34	65	43680	23.40	ug/L	0.00
Spiked Amount	25.000	Range	30 - 150	Recovery	=	93.60%
7) Chloroethane-d5	2.88	69	41269	29.15	ug/L	0.00
Spiked Amount	25.000	Range	30 - 150	Recovery	=	116.60%
10) 1,1-Dichloroethene-d2	4.01	63	65727	16.98	ug/L	0.00
Spiked Amount	25.000	Range	45 - 110	Recovery	=	67.92%
20) 2-Butanone-d5	7.08	46	61105	83.43	ug/L	0.00
Spiked Amount	50.000	Range	20 - 135	Recovery	=	166.86%#
24) Chloroform-d	7.65	84	64955	24.65	ug/L	0.00
Spiked Amount	25.000	Range	40 - 150	Recovery	=	98.60%
26) 1,2-Dichloroethane-d4	8.31	65	55482	25.86	ug/L	0.00
Spiked Amount	25.000	Range	70 - 130	Recovery	=	103.44%
29) Benzene-d6	8.27	84	160651	58.45	ug/L	0.00
Spiked Amount	25.000	Range	20 - 135	Recovery	=	233.80%#
33) 1,2-Dichloropropane-d6	9.27	67	68811	78.03	ug/L	0.00
Spiked Amount	25.000	Range	70 - 120	Recovery	=	312.12%#
37) Toluene-d8	10.32	98	78780	31.90	ug/L	0.00
Spiked Amount	25.000	Range	30 - 130	Recovery	=	127.60%
38) trans-1,3-Dichloropropene-	10.58	79	9175	23.23	ug/L	0.00
Spiked Amount	25.000	Range	30 - 135	Recovery	=	92.92%
39) 2-Hexanone-d5	10.93	63	30415	144.36	ug/L	0.00
Spiked Amount	50.000	Range	20 - 135	Recovery	=	288.72%#
48) 1,1,2,2-Tetrachloroethane-	12.69	84	57932	77.56	ug/L	0.00
Spiked Amount	25.000	Range	45 - 120	Recovery	=	310.24%#
61) 1,2-Dichlorobenzene-d4	13.86	152	5847	41.76	ug/L	0.00
Spiked Amount	25.000	Range	75 - 120	Recovery	=	167.04%#

Target Compounds

						Qvalue
5) Vinyl chloride	2.36	62	7363	3.518	ug/L #	81
12) 1,1-Dichloroethene	4.04	96	4497	3.017	ug/L #	1
13) Acetone	4.13	43	1822	2.315	ug/L	100
16) Methylene chloride	4.92	84	9517	5.411	ug/L	96
18) trans-1,2-Dichloroethene	5.43	96	117226	70.543	ug/L	99
21) 2-Butanone	7.14	43	7950	7.396	ug/L #	1
22) cis-1,2-Dichloroethene	7.17	96	2773273	1466.602	ug/L	98
25) Chloroform	7.68	83	35907	9.010	ug/L	98
34) Benzene	8.32	78	11358	4.011	ug/L	100
35) Trichloroethene	9.09	95	2622620	3614.171	ug/L	99
36) Methylcyclohexane	9.33	83	921	0.720	ug/L #	1
40) 1,2-Dichloropropane	9.27	63	7921	10.036	ug/L	98
42) cis-1,3-Dichloropropene	10.03	75	946	0.783	ug/L #	79
44) Toluene	10.39	91	78479	26.462	ug/L	97
47) Tetrachloroethene	10.86	164	725	1.333	ug/L	88
50) Dibromochloromethane	10.86	129	668	1.073	ug/L #	11
53) Ethylbenzene	11.73	91	3406	1.003	ug/L	95

Data Path : Z:\VOASRV\HPCHEM1\MSVOA_W\DATA\VW061719\
Quantitation Report (Not Reviewed)

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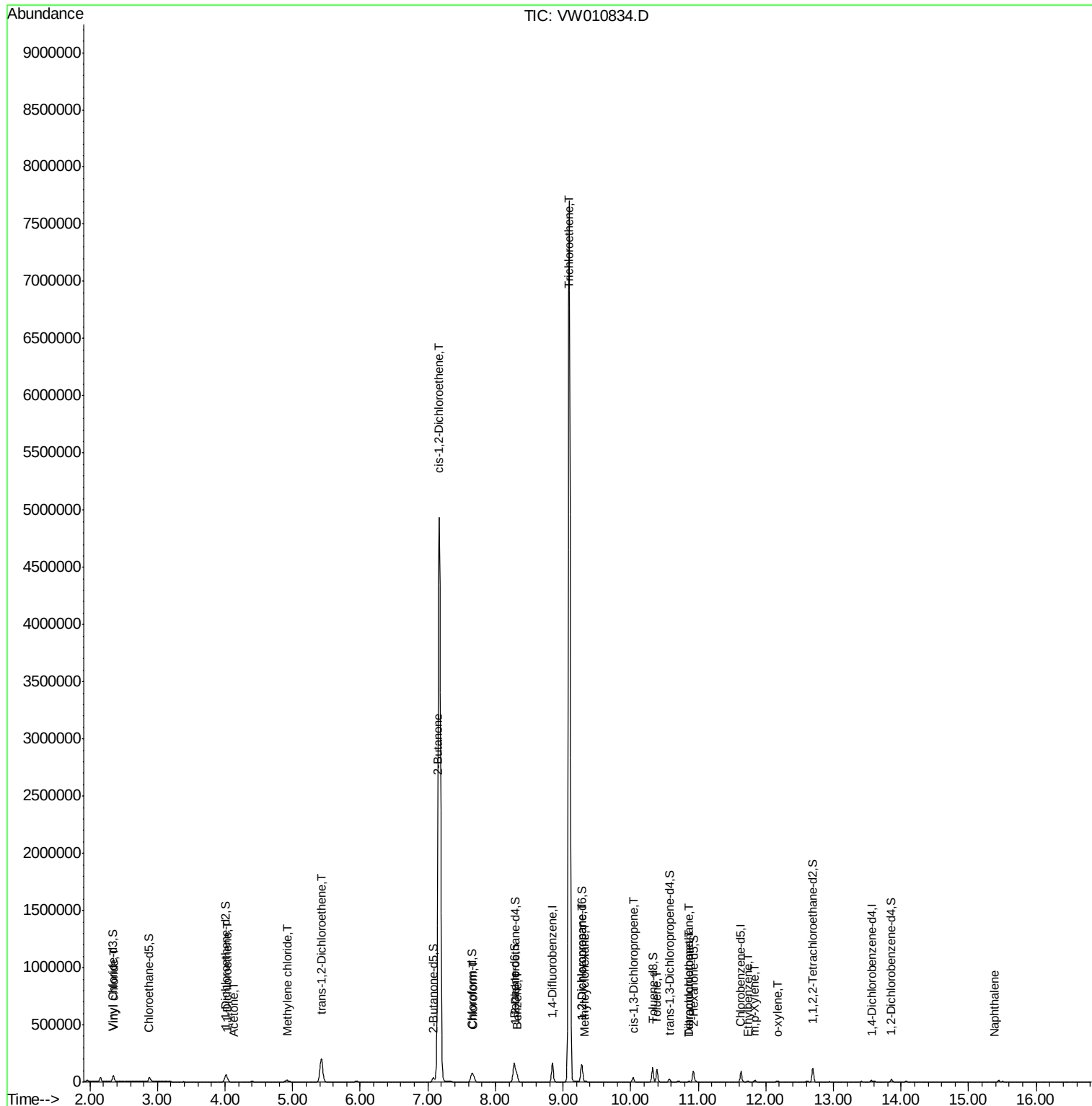
Quant Time: Jun 18 05:53:50 2019
Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_W\METHOD\SOM2WLM061119S.M
Quant Title : VOC Analysis
QLast Update : Tue Jun 18 05:48:46 2019
Response via : Initial Calibration

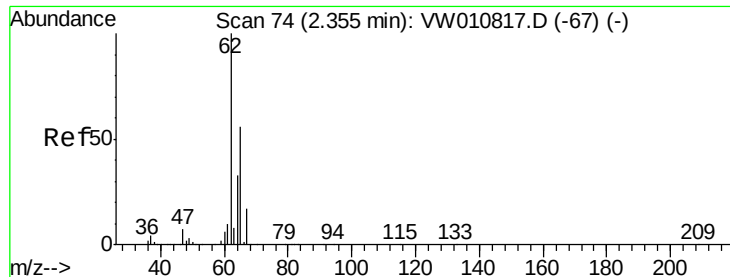
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
54) m,p-Xylene	11.84	106	3251	2.658	ug/L	97
55) o-xylene	12.17	106	1593	1.343	ug/L	82
69) Naphthalene	15.38	128	155	0.488	ug/L #	69

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

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Response via : Initial Calibration





#5

Vinyl chloride

Concen: 3.518 ug/L

RT: 2.36 min Scan# 74

Delta R.T. 0.00 min

Lab File: VW010834.D

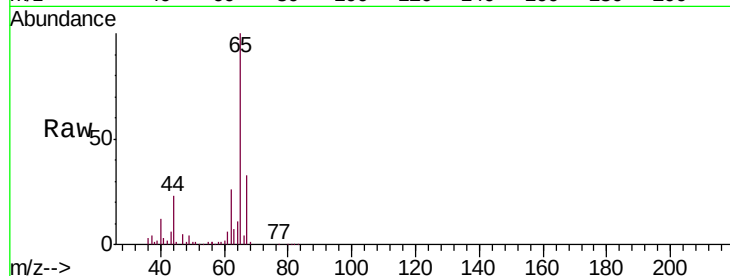
Acq: 17 Jun 2019 18:12

Tgt Ion: 62 Resp: 7363

Ion Ratio Lower Upper

62 100

64 42.7 22.4 41.6#



Abundance Ion 62.00 (61.70 to 62.70): VW

Ion 64.00 (63.70 to 64.70): VW

5000

4000

3000

2000

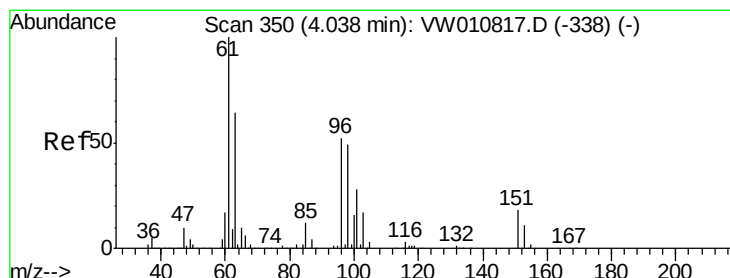
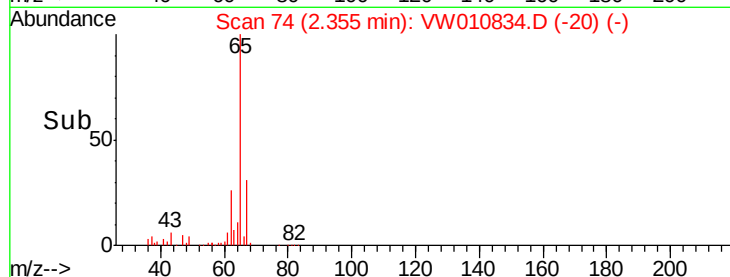
1000

0

2.36

2.30 2.35 2.40 2.45

Time-->



#12

1,1-Dichloroethene

Concen: 3.017 ug/L

RT: 4.04 min Scan# 350

Delta R.T. 0.00 min

Lab File: VW010834.D

Acq: 17 Jun 2019 18:12

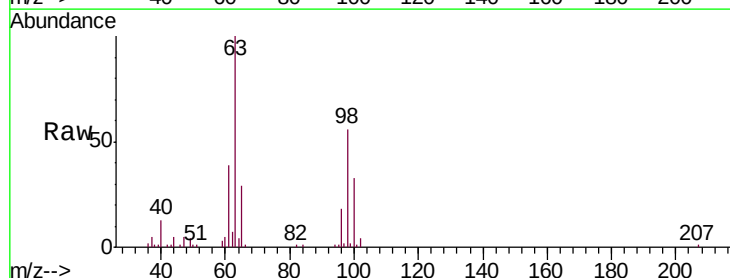
Tgt Ion: 96 Resp: 4497

Ion Ratio Lower Upper

96 100

61 217.6 139.9 259.7

63 559.4 89.2 165.8#



Abundance Ion 96.00 (95.70 to 96.70): VW

Ion 61.00 (60.70 to 61.70): VW

Ion 63.00 (62.70 to 63.70): VW

30000

20000

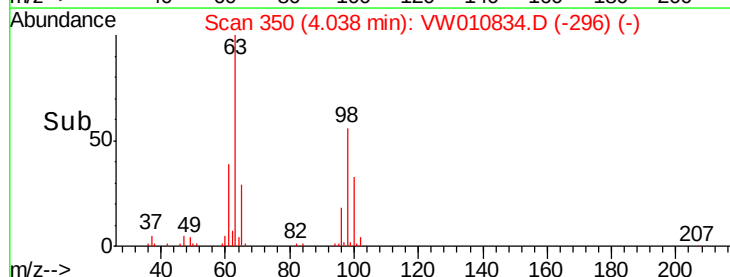
10000

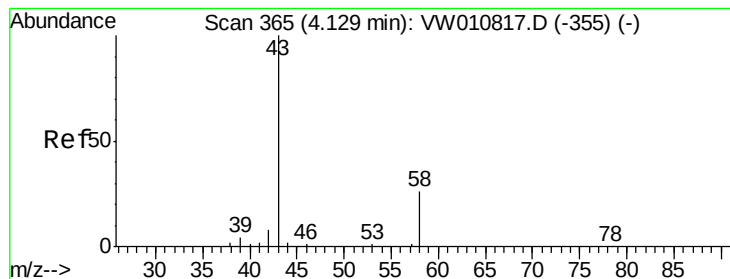
0

4.04

3.95 4.00 4.05 4.10

Time-->





#13

Acetone

Concen: 2.315 ug/L

RT: 4.13 min Scan# 365

Delta R.T. 0.00 min

Lab File: VW010834.D

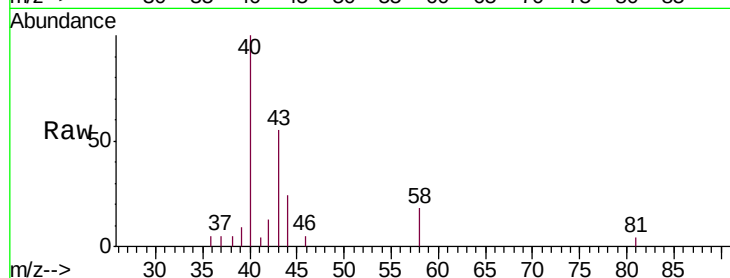
Acq: 17 Jun 2019 18:12

Tgt Ion: 43 Resp: 1822

Ion Ratio Lower Upper

43 100

58 27.2 0.0 54.6



Abundance Ion 43.00 (42.70 to 43.70): VW

Ion 58.00 (57.70 to 58.70): VW

4.13

800

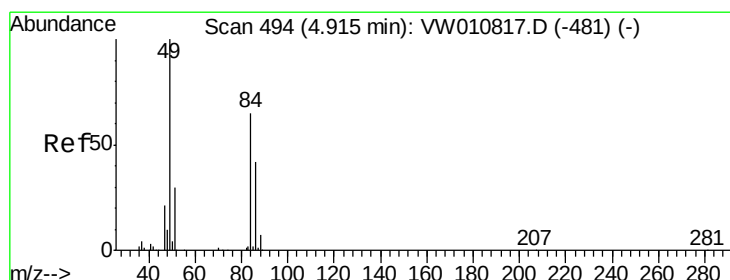
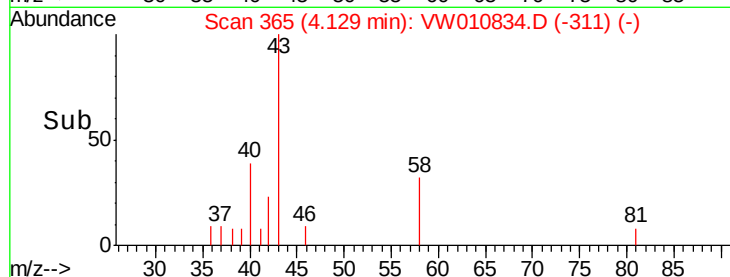
600

400

200

0

Time-->



#16

Methylene chloride

Concen: 5.411 ug/L

RT: 4.92 min Scan# 494

Delta R.T. 0.00 min

Lab File: VW010834.D

Acq: 17 Jun 2019 18:12

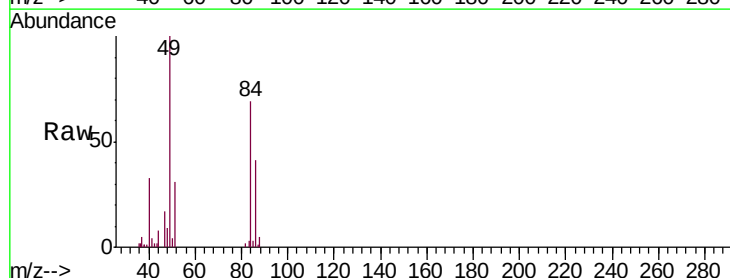
Tgt Ion: 84 Resp: 9517

Ion Ratio Lower Upper

84 100

49 145.6 105.2 195.4

86 59.8 43.7 81.1



Abundance Ion 84.00 (83.70 to 84.70): VW

Ion 49.00 (48.70 to 49.70): VW

Ion 86.00 (85.70 to 86.70): VW

6000

5000

4000

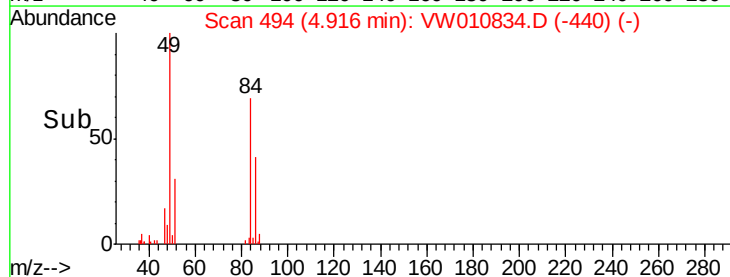
3000

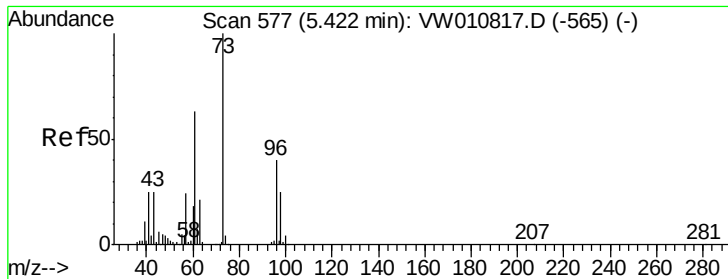
2000

1000

0

Time-->





#18

trans-1,2-Dichloroethene

Concen: 70.543 ug/L

RT: 5.43 min Scan# 578

Delta R.T. 0.01 min

Lab File: VW010834.D

Acq: 17 Jun 2019 18:12

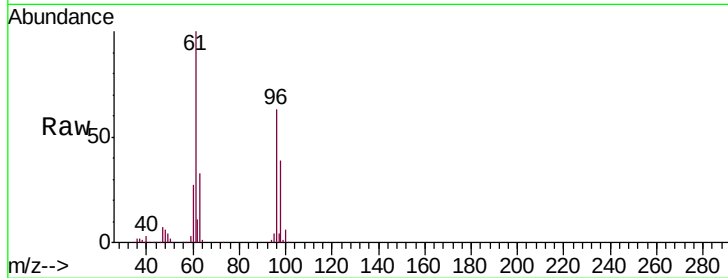
Tgt Ion: 96 Resp: 117226

Ion Ratio Lower Upper

96 100

61 158.9 111.5 207.1

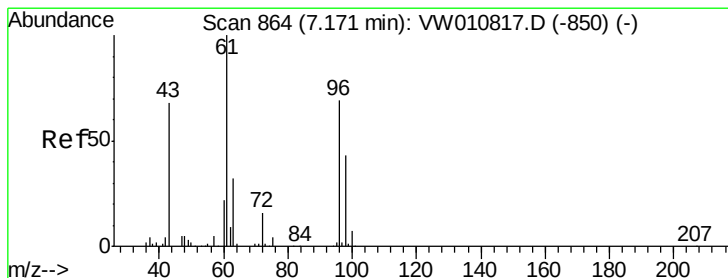
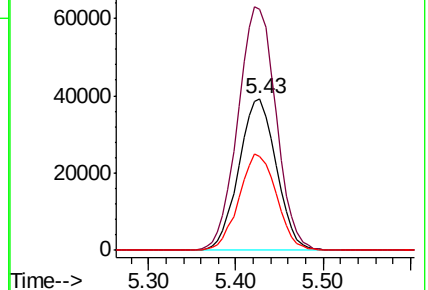
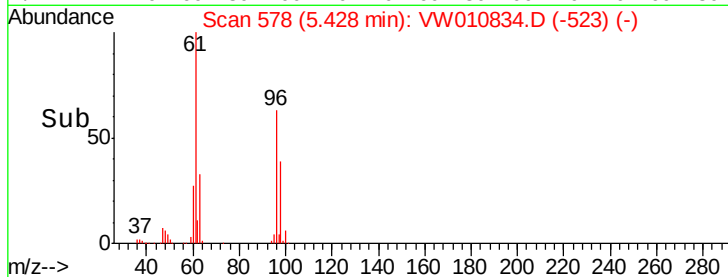
98 61.7 44.1 81.9



Abundance Ion 96.00 (95.70 to 96.70): VW

Ion 61.00 (60.70 to 61.70): VW

Ion 98.00 (97.70 to 98.70): VW



#21

2-Butanone

Concen: 7.396 ug/L

RT: 7.14 min Scan# 859

Delta R.T. -0.03 min

Lab File: VW010834.D

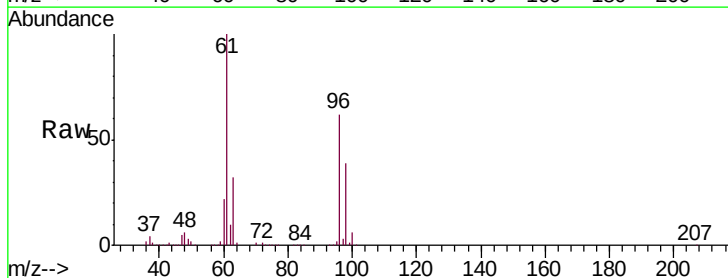
Acq: 17 Jun 2019 18:12

Tgt Ion: 43 Resp: 7950

Ion Ratio Lower Upper

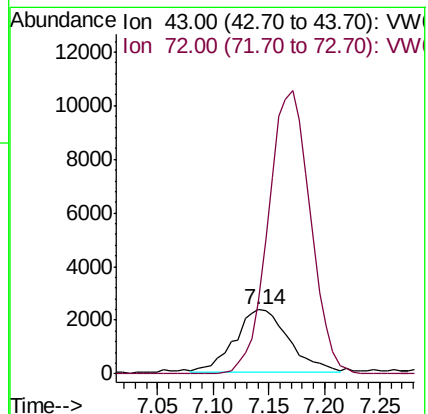
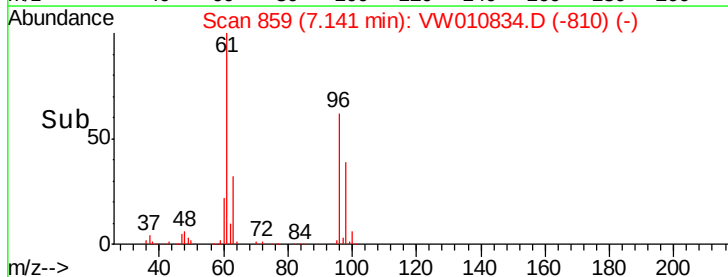
43 100

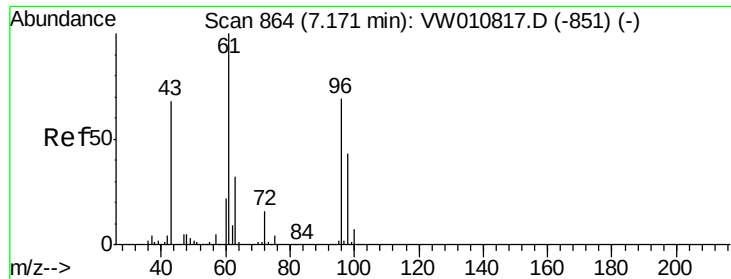
72 351.0 11.0 33.0#



Abundance Ion 43.00 (42.70 to 43.70): VW

Ion 72.00 (71.70 to 72.70): VW



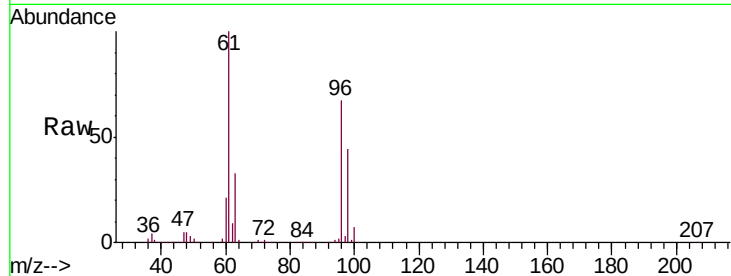


#22

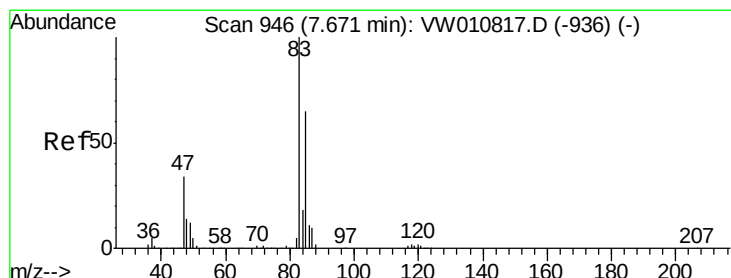
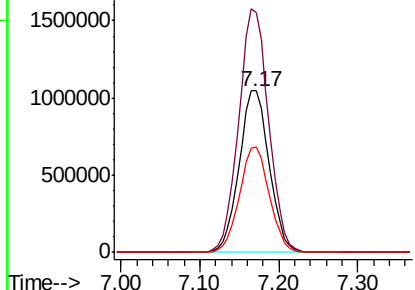
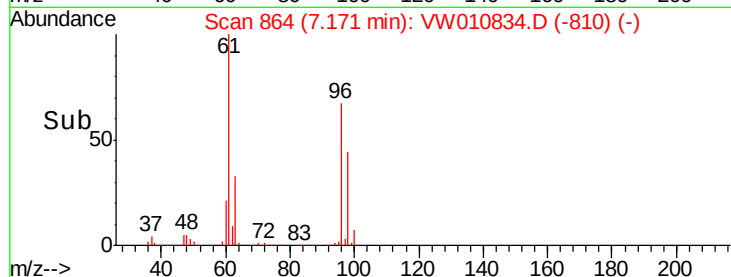
cis-1,2-Dichloroethene
 Concen: 1466.602 ug/L
 RT: 7.17 min Scan# 864
 Delta R.T. 0.00 min
 Lab File: VW010834.D
 Acq: 17 Jun 2019 18:12

Tgt Ion: 96 Resp: 2773273

Ion	Ratio	Lower	Upper
96	100		
61	148.4	105.3	195.6
98	65.1	44.6	82.8



Abundance Ion 96.00 (95.70 to 96.70): VW
 Ion 61.00 (60.70 to 61.70): VW
 Ion 98.00 (97.70 to 98.70): VW

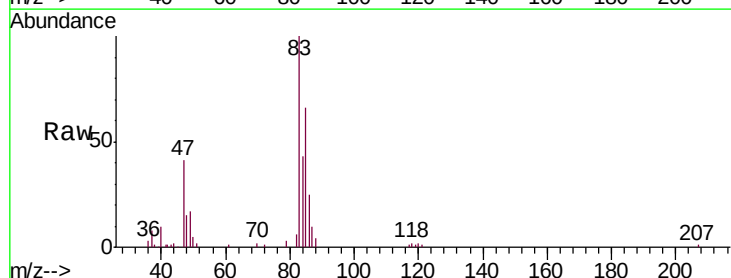


#25

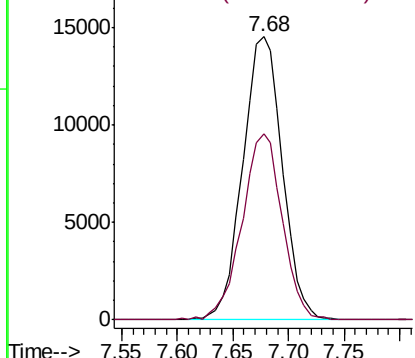
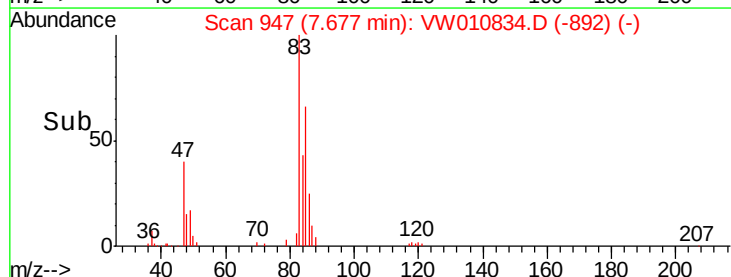
Chloroform
 Concen: 9.010 ug/L
 RT: 7.68 min Scan# 947
 Delta R.T. 0.01 min
 Lab File: VW010834.D
 Acq: 17 Jun 2019 18:12

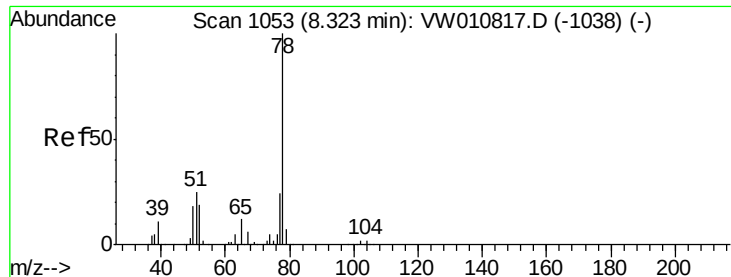
Tgt Ion: 83 Resp: 35907

Ion	Ratio	Lower	Upper
83	100		
85	66.4	45.4	84.4



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





#34

Benzene

Concen: 4.011 ug/L

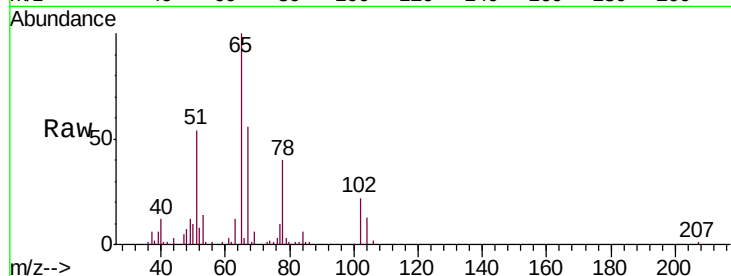
RT: 8.32 min Scan# 1053

Delta R.T. 0.00 min

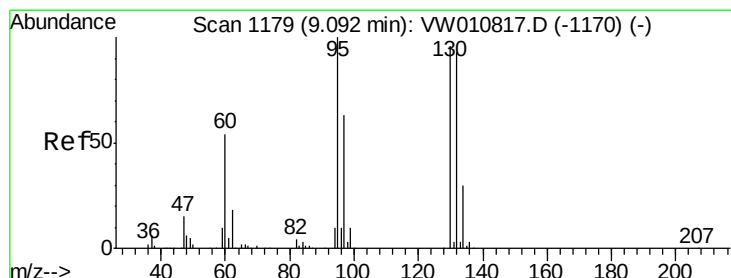
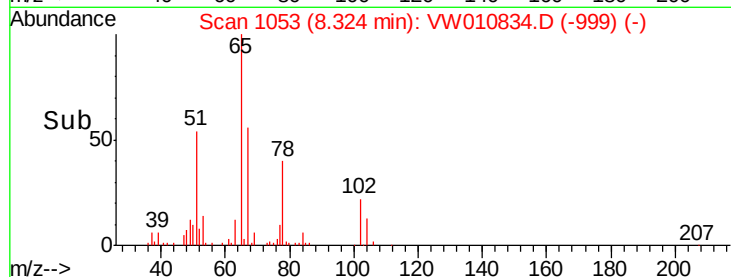
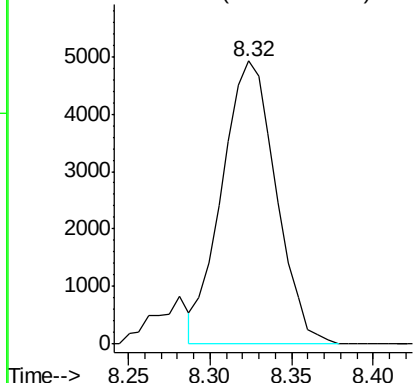
Lab File: VW010834.D

Acq: 17 Jun 2019 18:12

Tgt Ion: 78 Resp: 11358



Abundance Ion 78.00 (77.70 to 78.70): VW



#35

Trichloroethene

Concen: 3614.171 ug/L

RT: 9.09 min Scan# 1179

Delta R.T. 0.00 min

Lab File: VW010834.D

Acq: 17 Jun 2019 18:12

Tgt Ion: 95 Resp: 2622620

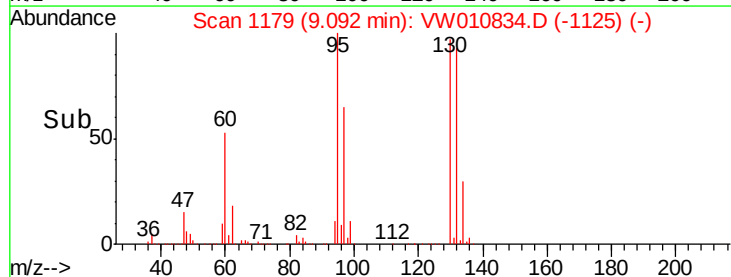
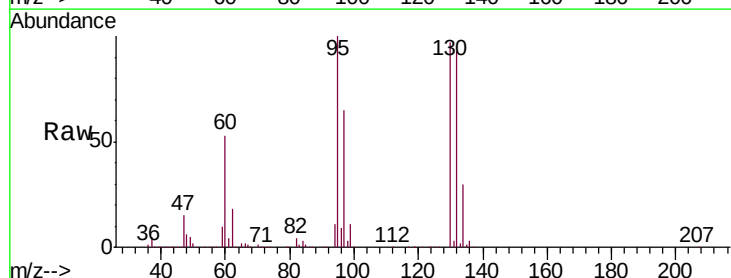
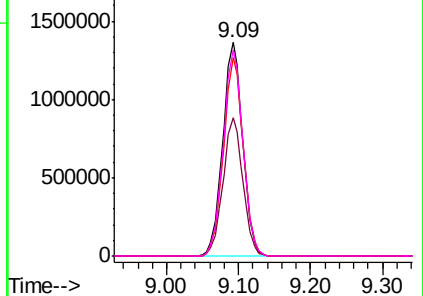
Ion	Ratio	Lower	Upper
95	100		
97	64.5	45.4	84.2
132	92.2	65.0	120.6
130	95.9	68.3	126.9

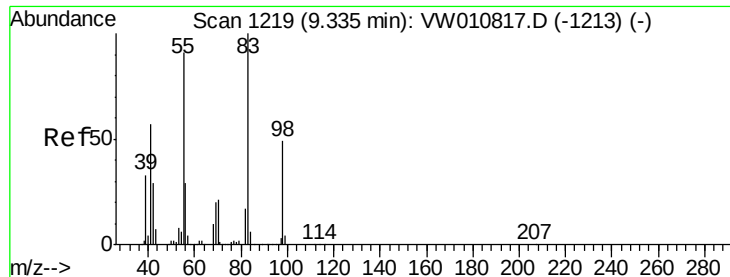
Abundance Ion 95.00 (94.70 to 95.70): VW

Ion 97.00 (96.70 to 97.70): VW

Ion 132.00 (131.70 to 132.70): V

Ion 130.00 (129.70 to 130.70): V





#36

Methylcyclohexane

Concen: 0.720 ug/L

RT: 9.33 min Scan# 1218

Delta R.T. -0.01 min

Lab File: VW010834.D

Acq: 17 Jun 2019 18:12

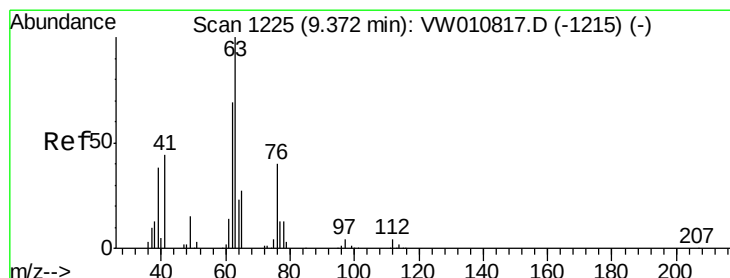
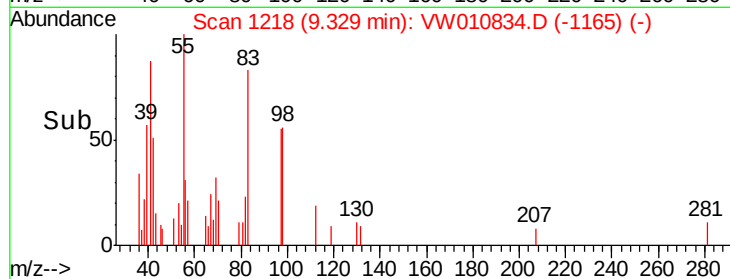
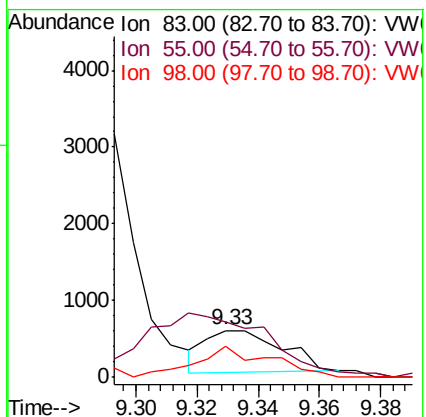
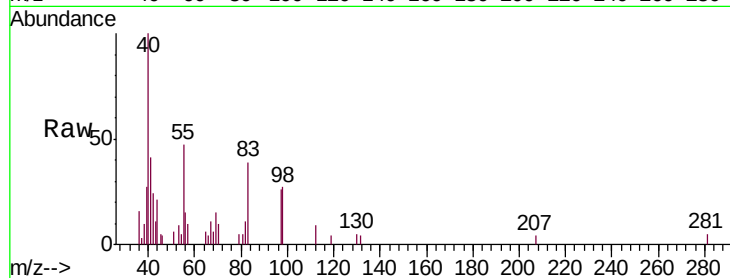
Tgt Ion: 83 Resp: 921

Ion Ratio Lower Upper

83 100

55 258.5 71.6 107.4#

98 48.2 38.2 57.2



#40

1,2-Dichloropropane

Concen: 10.036 ug/L

RT: 9.27 min Scan# 1209

Delta R.T. -0.10 min

Lab File: VW010834.D

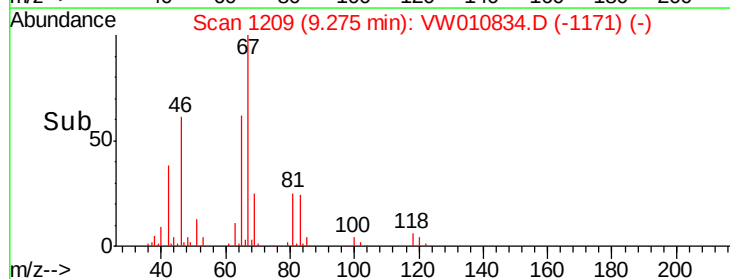
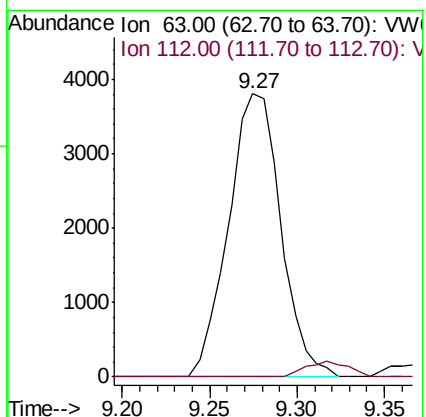
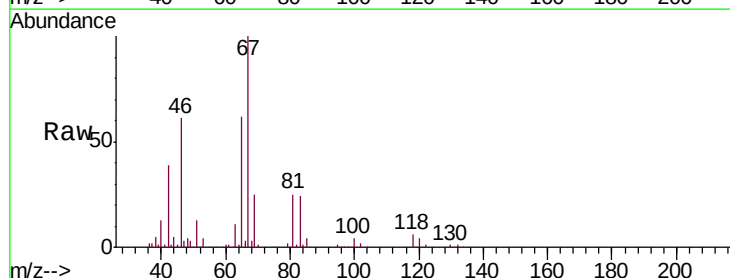
Acq: 17 Jun 2019 18:12

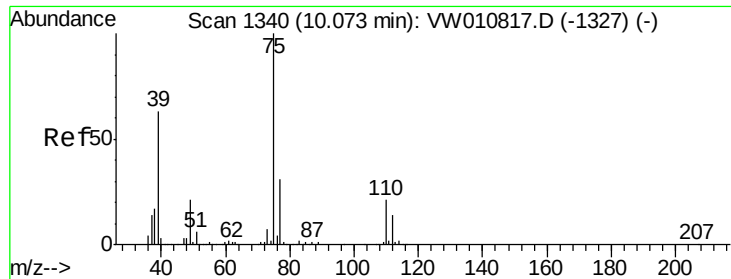
Tgt Ion: 63 Resp: 7921

Ion Ratio Lower Upper

63 100

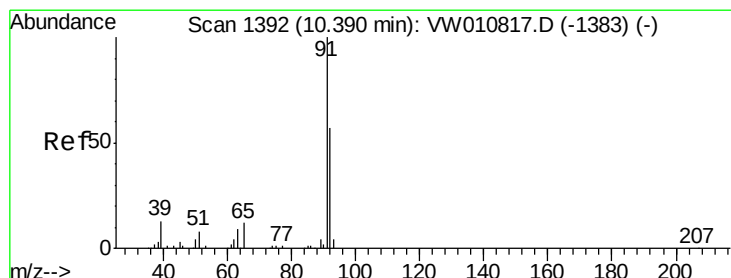
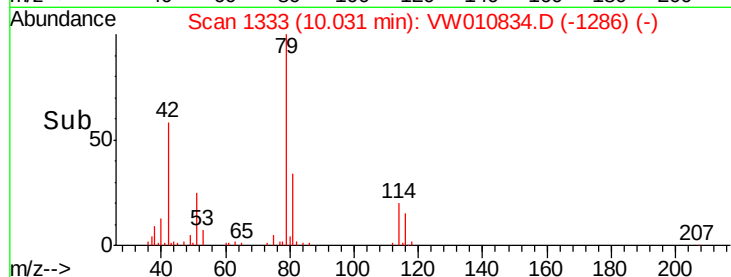
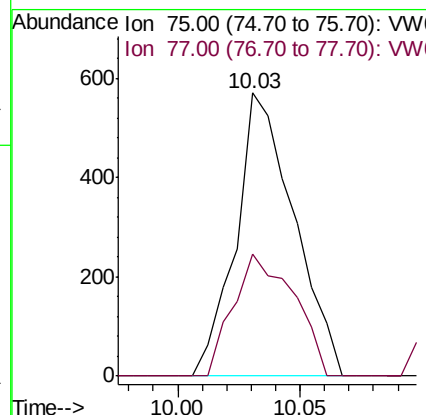
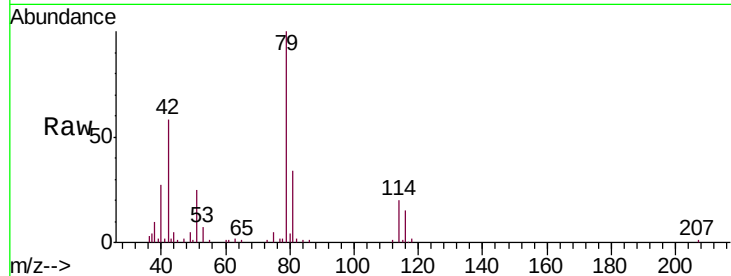
112 4.5 3.1 4.7





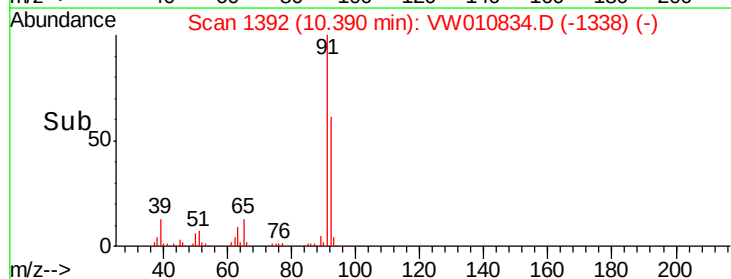
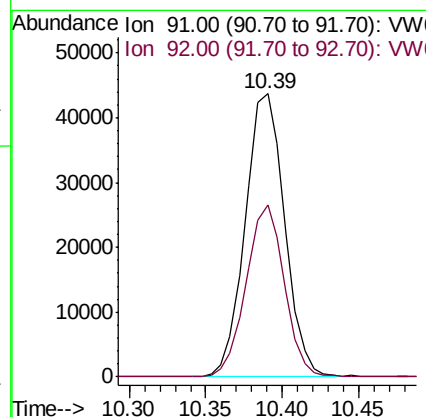
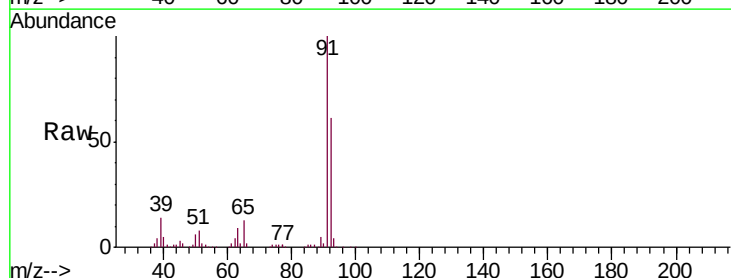
#42
 cis-1,3-Dichloropropene
 Concen: 0.783 ug/L
 RT: 10.03 min Scan# 1333
 Delta R.T. -0.04 min
 Lab File: VW010834.D
 Acq: 17 Jun 2019 18:12

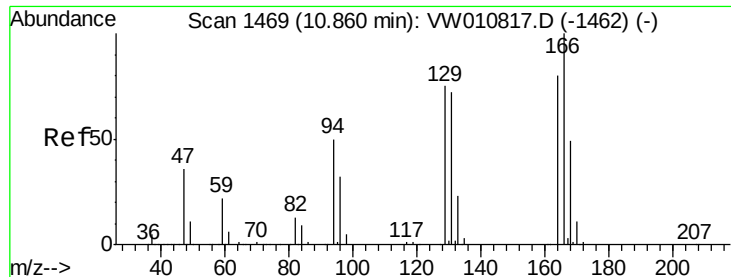
Tgt Ion: 75 Resp: 946
 Ion Ratio Lower Upper
 75 100
 77 43.2 22.0 41.0#



#44
 Toluene
 Concen: 26.462 ug/L
 RT: 10.39 min Scan# 1392
 Delta R.T. 0.00 min
 Lab File: VW010834.D
 Acq: 17 Jun 2019 18:12

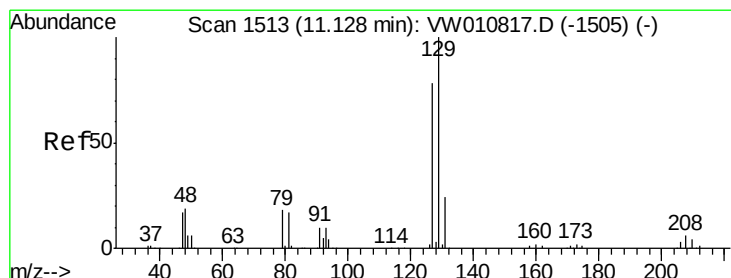
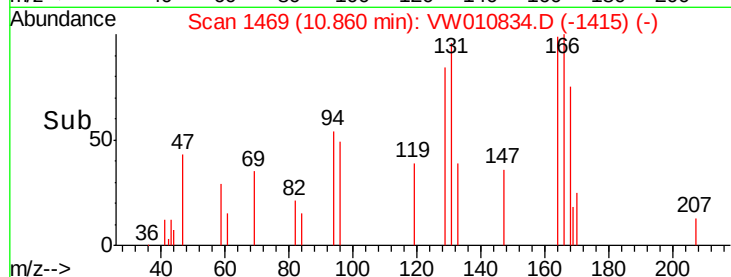
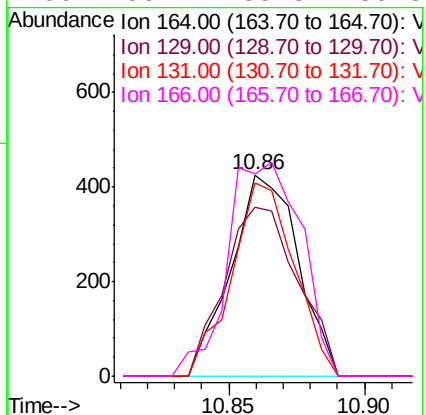
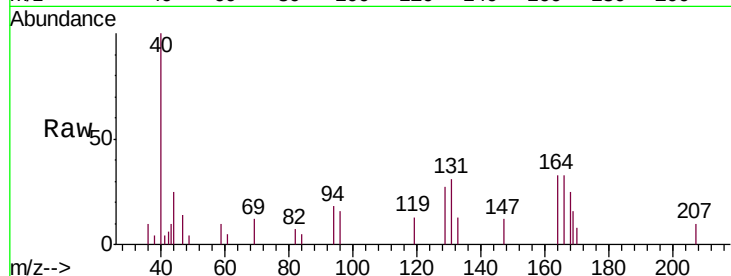
Tgt Ion: 91 Resp: 78479
 Ion Ratio Lower Upper
 91 100
 92 60.9 41.0 76.2





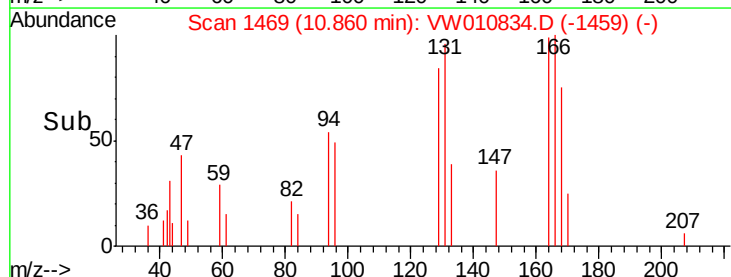
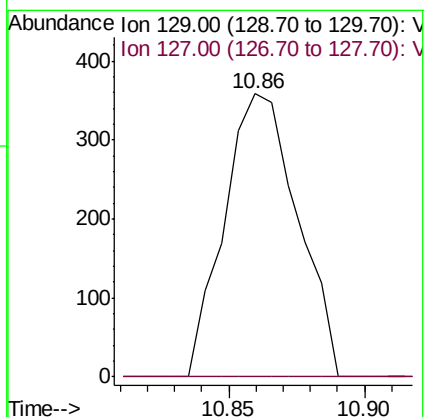
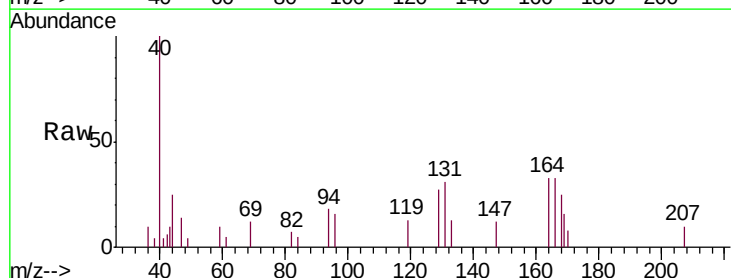
#47
Tetrachloroethene
Concen: 1.333 ug/L
RT: 10.86 min Scan# 1469
Delta R.T. 0.00 min
Lab File: VW010834.D
Acq: 17 Jun 2019 18:12

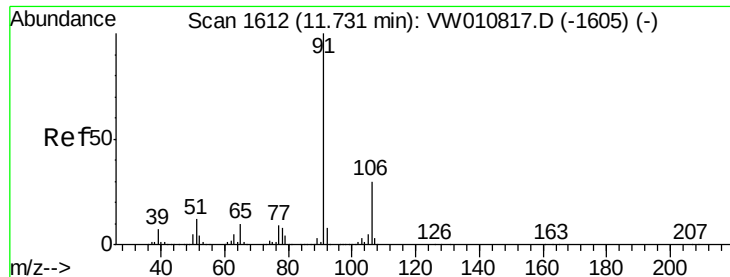
Tgt Ion	Ratio	Lower	Upper
164	100		
129	84.2	64.5	119.7
131	96.2	63.6	118.0
166	100.7	85.8	159.3



#50
Dibromochloromethane
Concen: 1.073 ug/L
RT: 10.86 min Scan# 1469
Delta R.T. -0.27 min
Lab File: VW010834.D
Acq: 17 Jun 2019 18:12

Tgt Ion	Ratio	Lower	Upper
129	100		
127	0.0	53.1	98.7#





#53

Ethylbenzene

Concen: 1.003 ug/L

RT: 11.73 min Scan# 1612

Delta R.T. 0.00 min

Lab File: VW010834.D

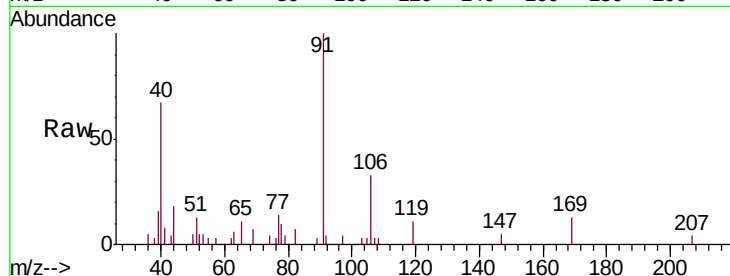
Acq: 17 Jun 2019 18:12

Tgt Ion: 91 Resp: 3406

Ion Ratio Lower Upper

91 100

106 32.7 21.1 39.3



Abundance Ion 91.00 (90.70 to 91.70): VW

Ion 106.00 (105.70 to 106.70): V

11.73

2000

1500

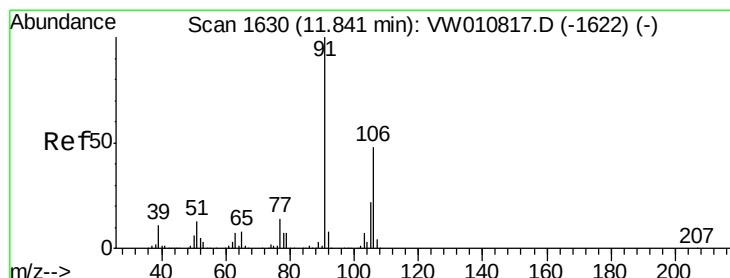
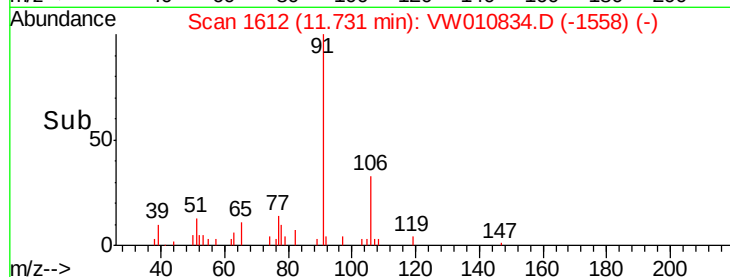
1000

500

0

Time-->

11.70 11.75 11.80



#54

m,p-Xylene

Concen: 2.658 ug/L

RT: 11.84 min Scan# 1629

Delta R.T. -0.01 min

Lab File: VW010834.D

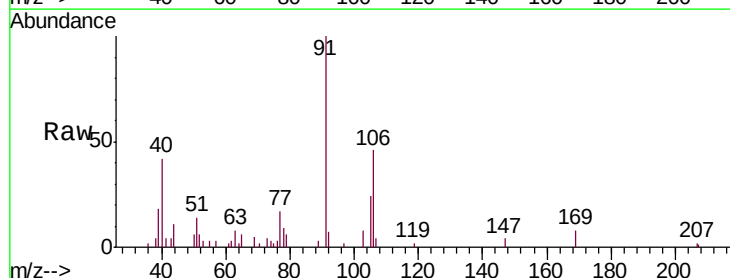
Acq: 17 Jun 2019 18:12

Tgt Ion: 106 Resp: 3251

Ion Ratio Lower Upper

106 100

91 217.3 148.7 276.1



Abundance Ion 106.00 (105.70 to 106.70): V

Ion 91.00 (90.70 to 91.70): VW

11.84

4000

3000

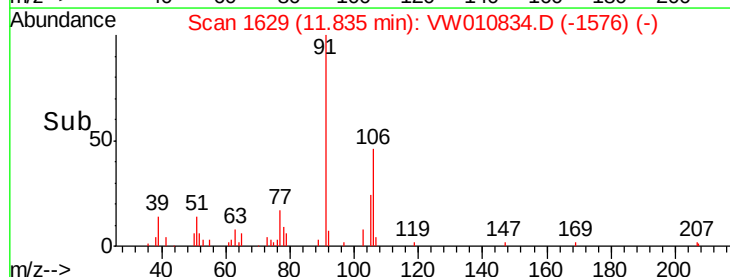
2000

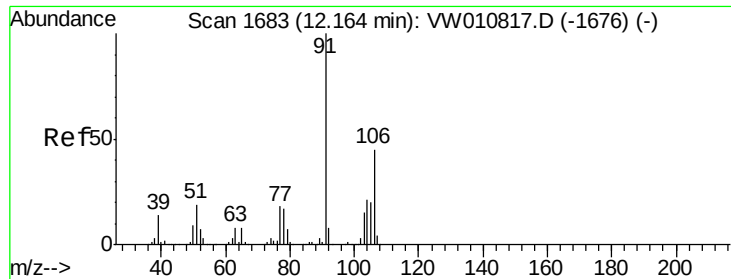
1000

0

Time-->

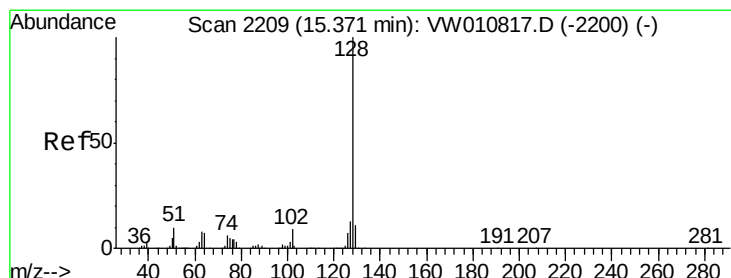
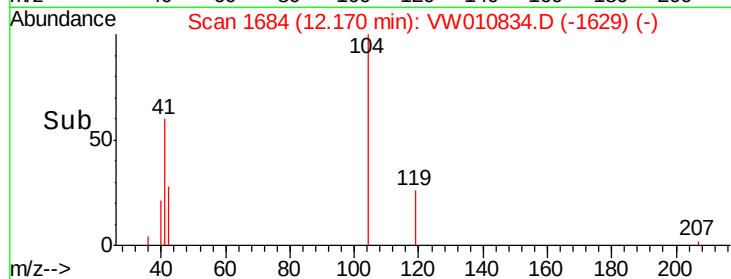
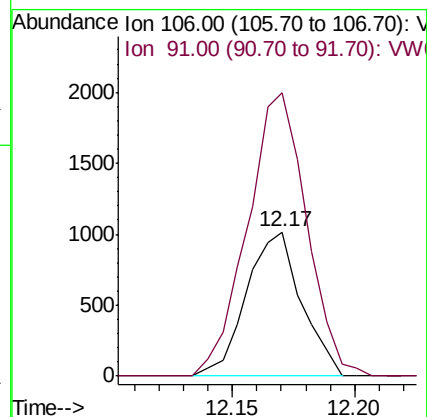
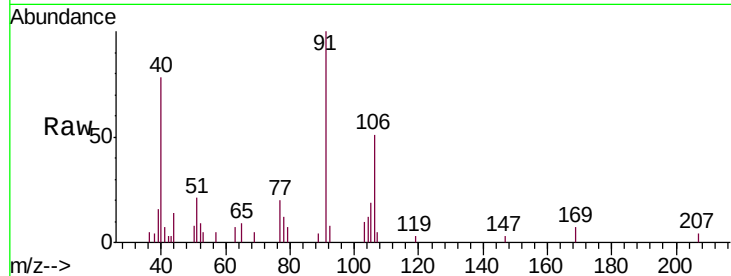
11.80 11.85





#55
o-xylene
Concen: 1.343 ug/L
RT: 12.17 min Scan# 1684
Delta R.T. 0.01 min
Lab File: VW010834.D
Acq: 17 Jun 2019 18:12

Tgt Ion:106 Resp: 1593
Ion Ratio Lower Upper
106 100
91 196.4 157.8 293.1



#69
Naphthalene
Concen: 0.488 ug/L
RT: 15.38 min Scan# 2211
Delta R.T. 0.01 min
Lab File: VW010834.D
Acq: 17 Jun 2019 18:12

Tgt Ion:128 Resp: 155
Ion Ratio Lower Upper
128 100
129 0.0 8.6 13.0#
127 0.0 10.4 15.6#

