

Data Path : Z:\VOASRV\HPCHEM1\MSVOA W\DATA\VW061719\
 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 08:04:14 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%#

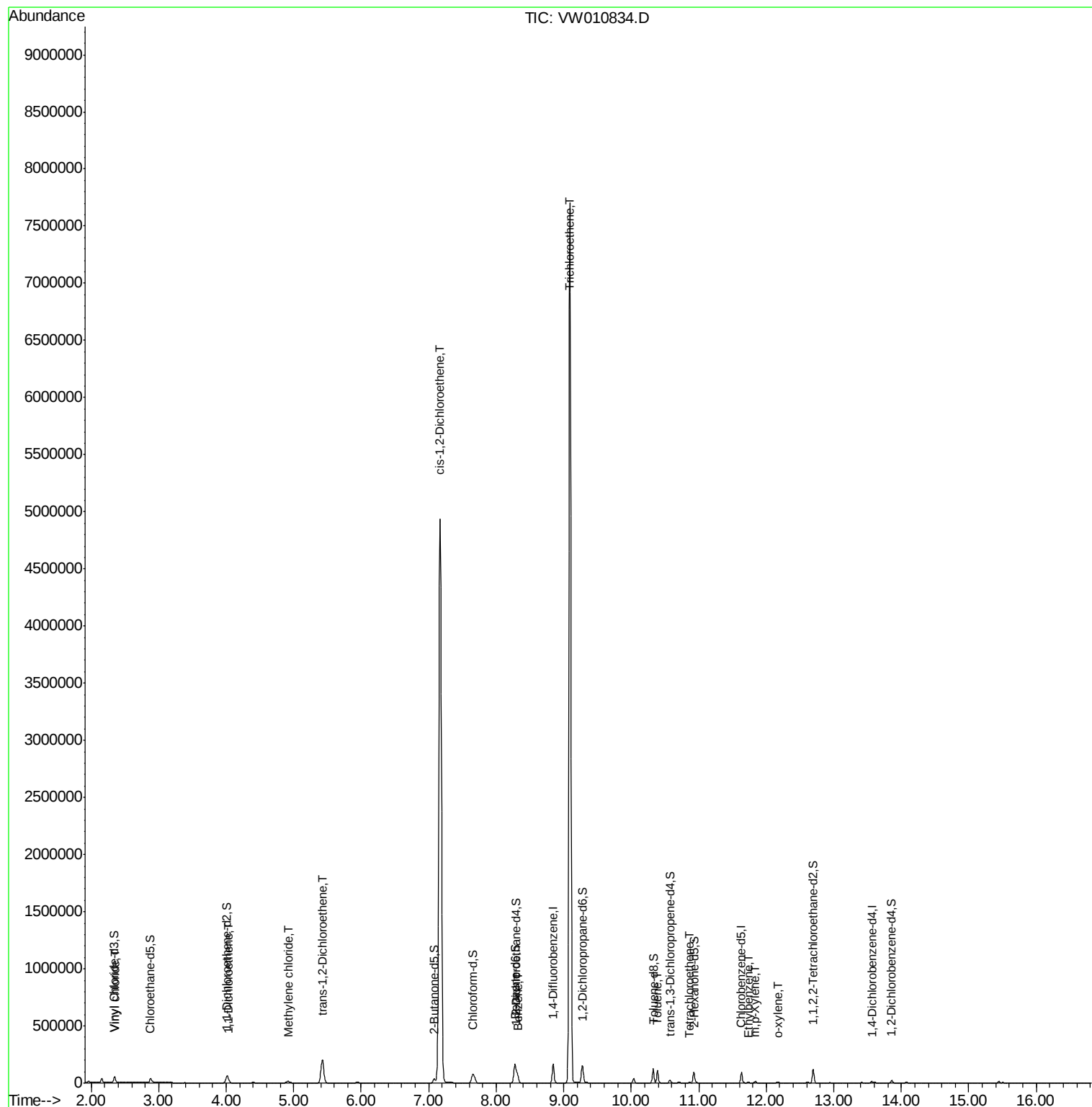
Target Compounds

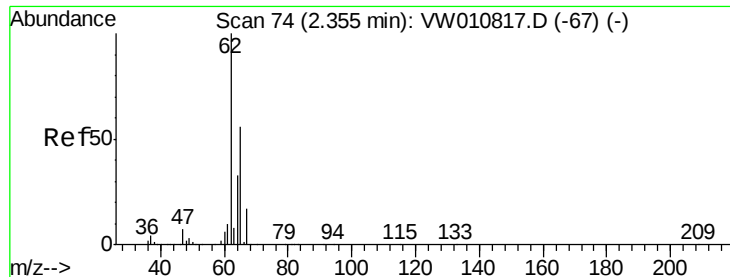
					Ovalue
5) Vinyl chloride	2.36	62	7363	3.518 ug/L #	81
12) 1,1-Dichloroethene	4.04	96	4497	3.017 ug/L #	1
16) Methylene chloride	4.92	84	9517	5.411 ug/L	96
18) trans-1,2-Dichloroethene	5.43	96	117226	70.543 ug/L	99
22) cis-1,2-Dichloroethene	7.17	96	2773273	1466.602 ug/L	98
34) Benzene	8.32	78	11358	4.011 ug/L	100
35) Trichloroethene	9.09	95	2622620	3614.171 ug/L	99
44) Toluene	10.39	91	78479	26.462 ug/L	97
47) Tetrachloroethene	10.86	164	725	1.333 ug/L	88
53) Ethylbenzene	11.73	91	3406	1.003 ug/L	95
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

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

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QLast Update : Tue Jun 18 05:48:46 2019
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

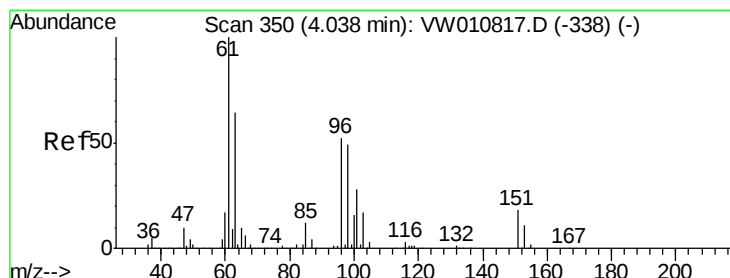
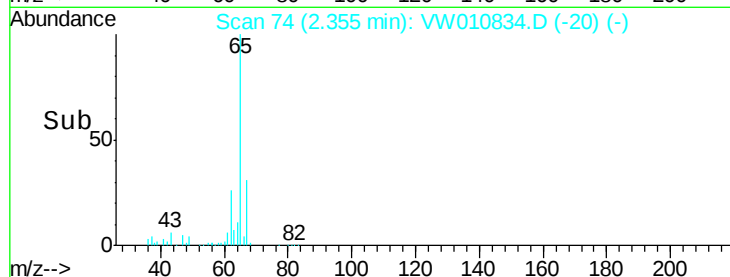
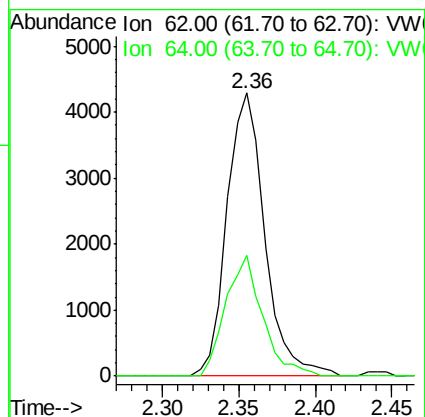
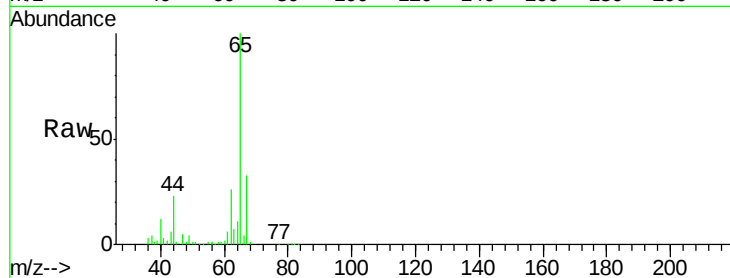
Acq: 17 Jun 2019 18:12

Tot Ion: 62 Resp: 7363

Ion Ratio Lower Upper

62 100

64 42.7 22.4 41.6#



#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

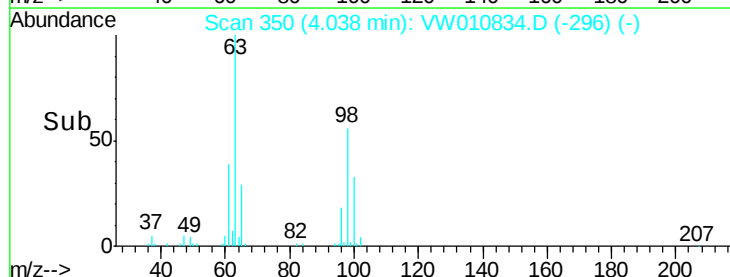
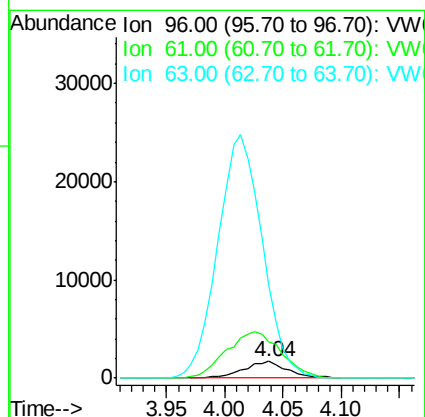
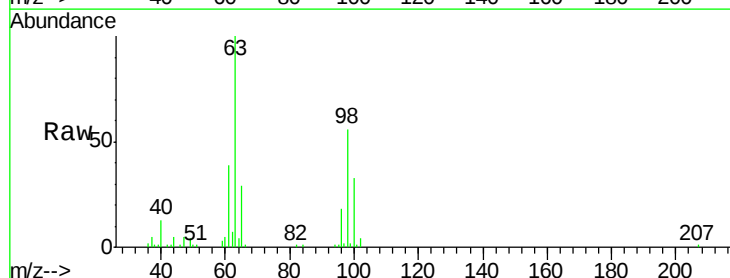
Tgt Ion: 96 Resp: 4497

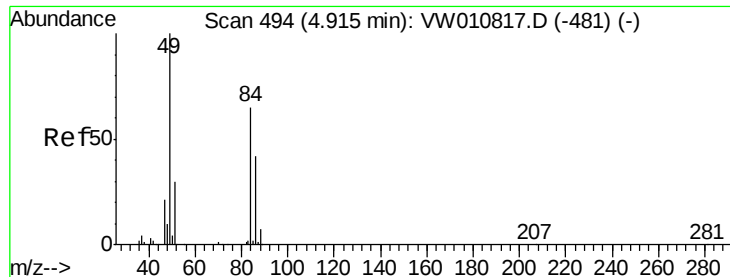
Ion Ratio Lower Upper

96 100

61 217.6 139.9 259.7

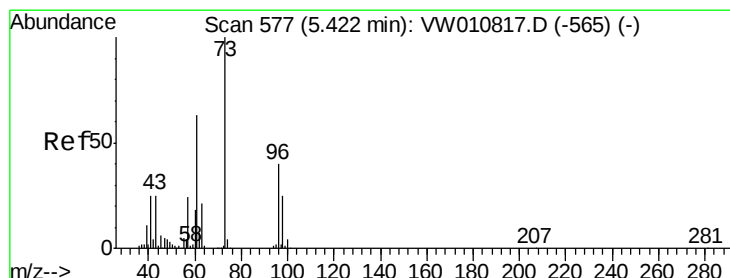
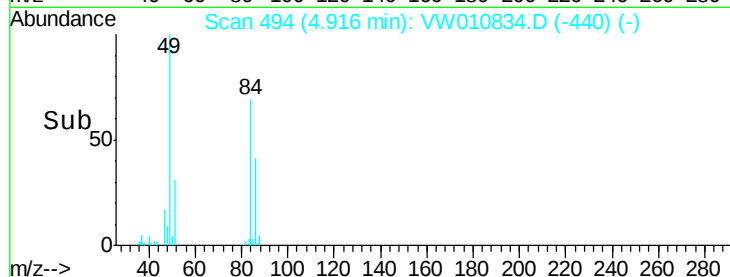
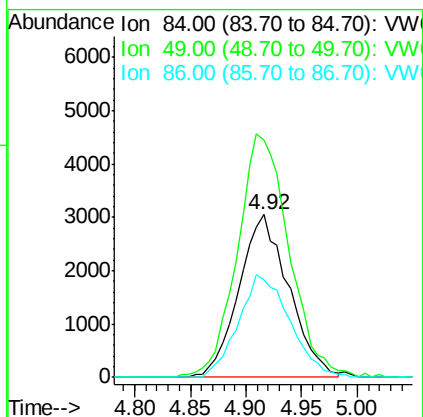
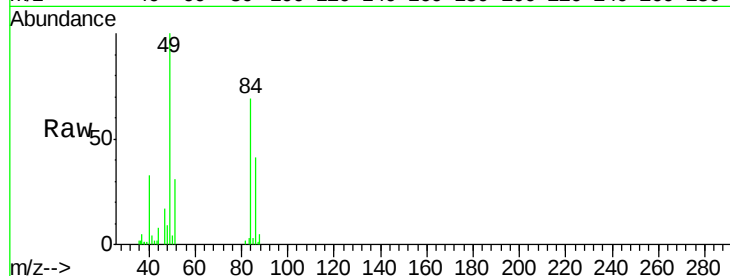
63 559.4 89.2 165.8#





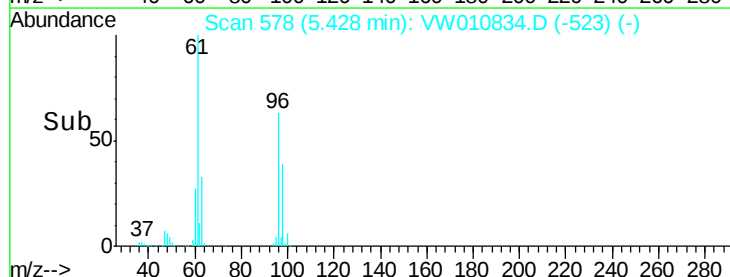
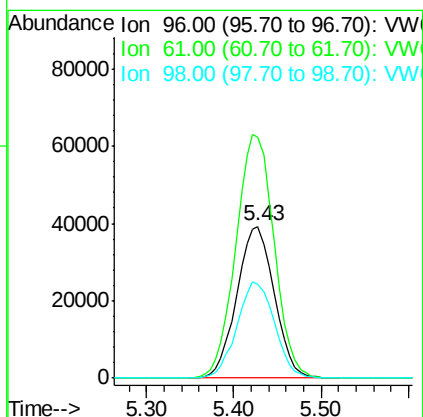
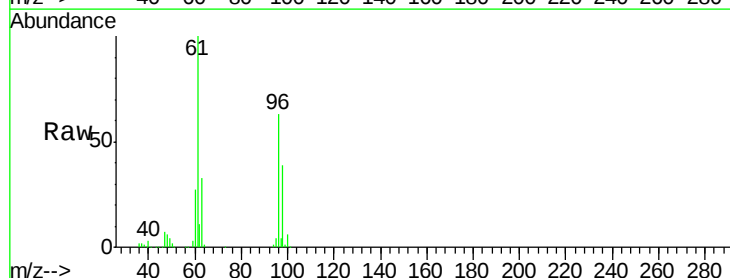
#16
Methvlene chloride
Concen: 5.411 ug/L
RT: 4.92 min Scan# 494
Delta R.T. 0.00 min
Lab File: VW010834.D
Acq: 17 Jun 2019 18:12

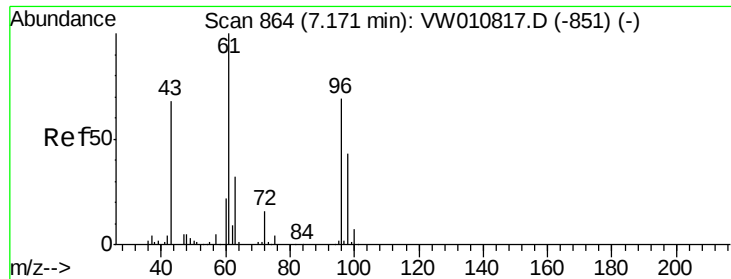
Tot Ion	84	Resp:	9517
Ion	Ratio	Lower	Upper
84	100		
49	145.6	105.2	195.4
86	59.8	43.7	81.1



#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



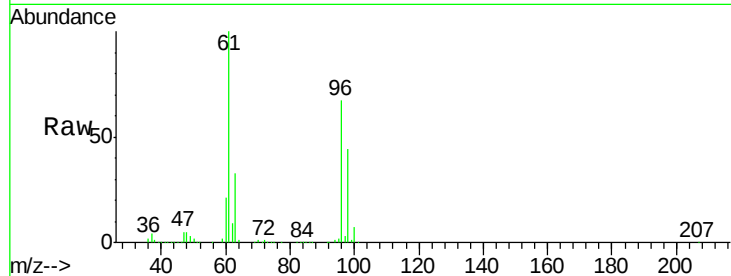


#22

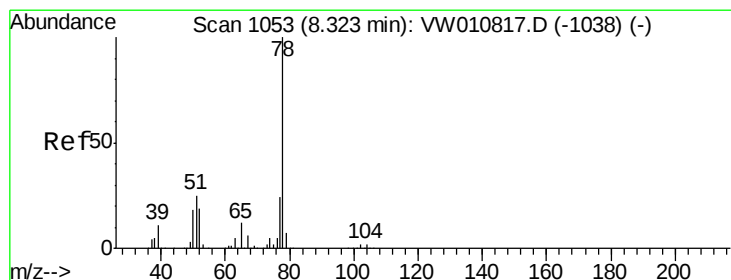
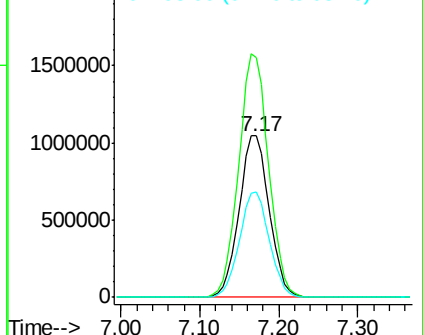
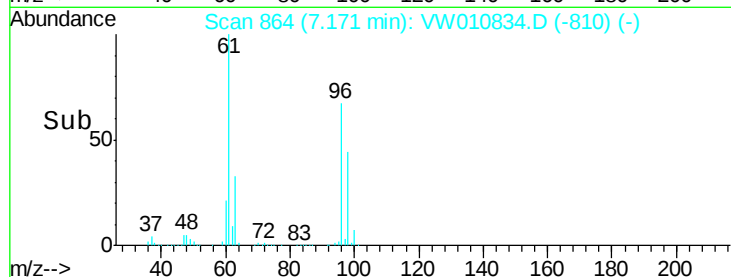
cis-1,2-Dichloroethene
Concen: 1466.602 ug/L
RT: 7.17 min Scan# 864
Delta R.T. 0.00 min
Lab File: VW010834.D
Acq: 17 Jun 2019 18:12

Tot Ion: 96 Resp: 2773273

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



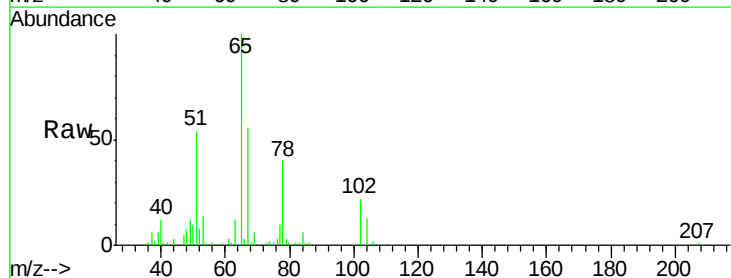
Abundance Ion 96.00 (95.70 to 96.70): VW
Ion 61.00 (60.70 to 61.70): VW
Ion 98.00 (97.70 to 98.70): VW



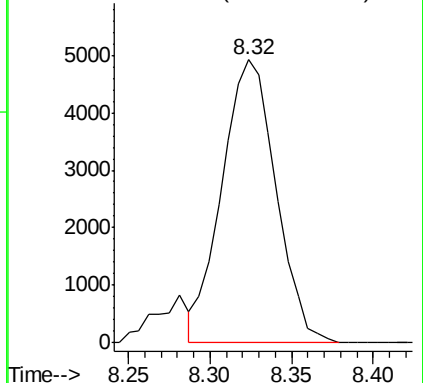
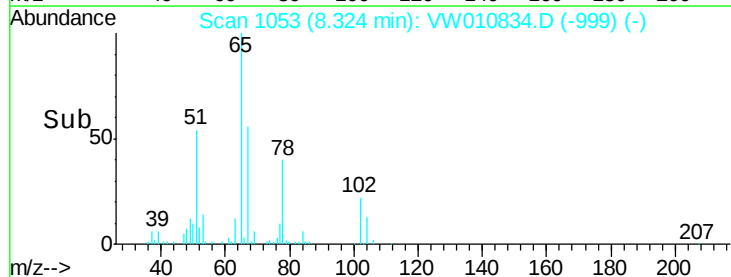
#34

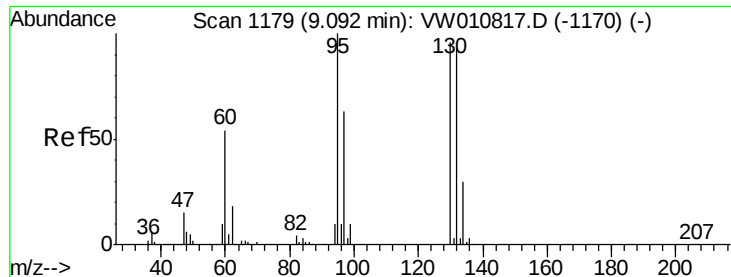
Benzene
Concen: 4.011 ug/L
RT: 8.32 min Scan# 1053
Delta R.T. 0.00 min
Lab File: VW010834.D
Acq: 17 Jun 2019 18:12

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

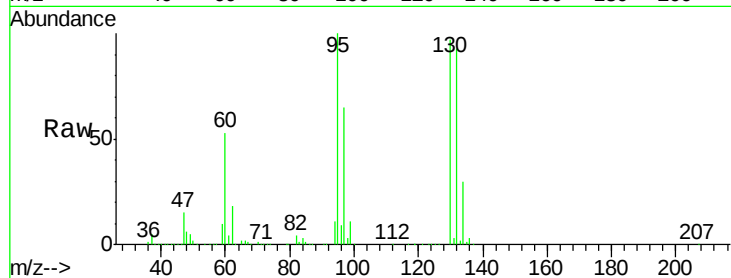
Delta R.T. 0.00 min

Lab File: VW010834.D

Acq: 17 Jun 2019 18:12

Tot 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



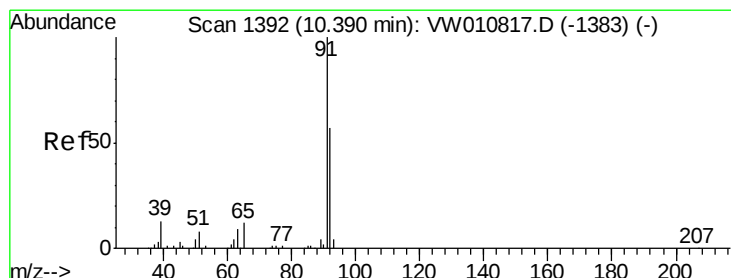
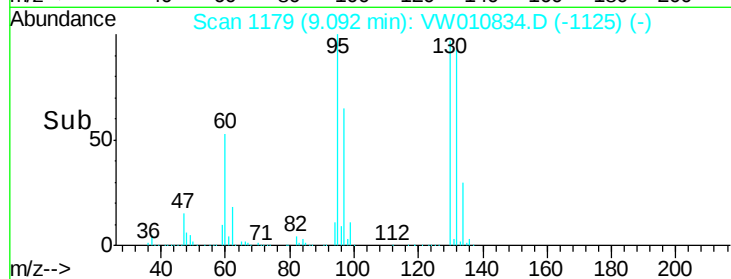
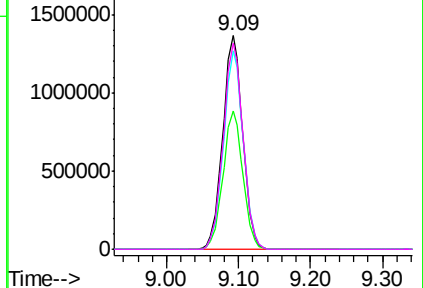
Abundance

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



#44

Toluene

Concen: 26.462 ug/L

RT: 10.39 min Scan# 1392

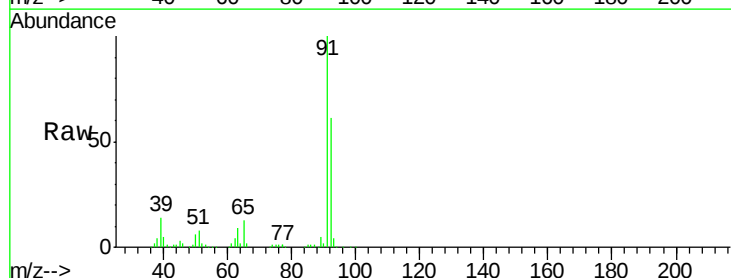
Delta R.T. 0.00 min

Lab File: VW010834.D

Acq: 17 Jun 2019 18:12

Tgt Ion: 91 Resp: 78479

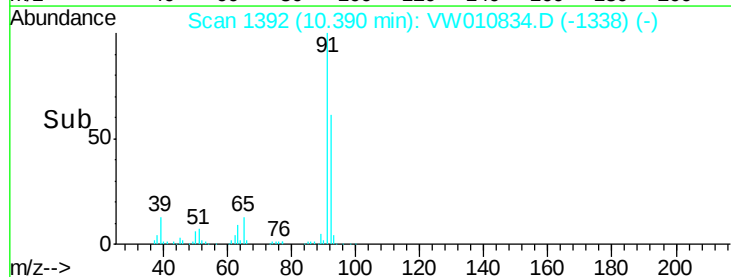
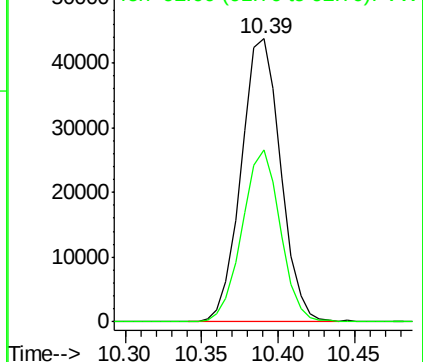
Ion	Ratio	Lower	Upper
91	100		
92	60.9	41.0	76.2

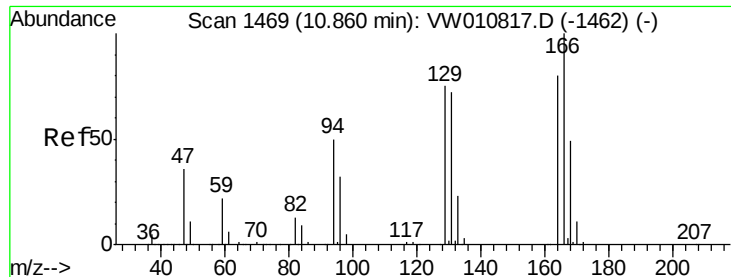


Abundance

Ion 91.00 (90.70 to 91.70): VW

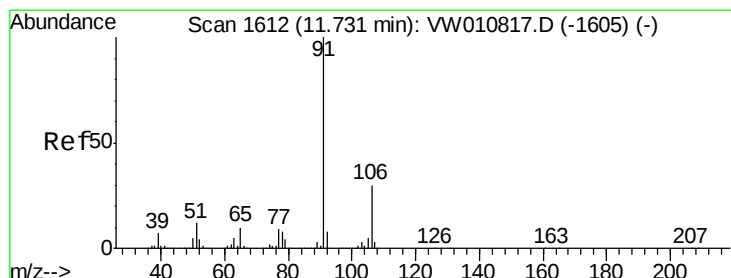
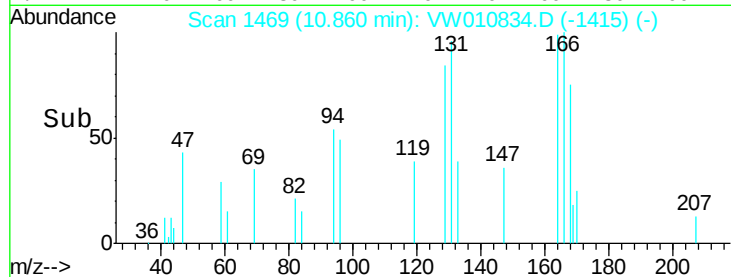
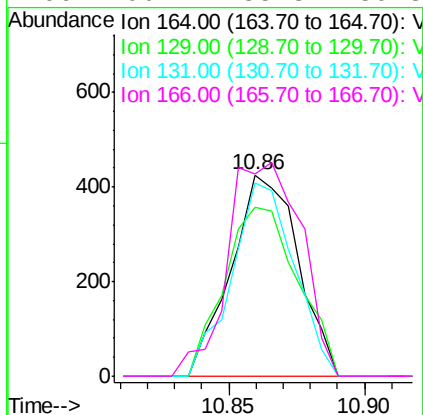
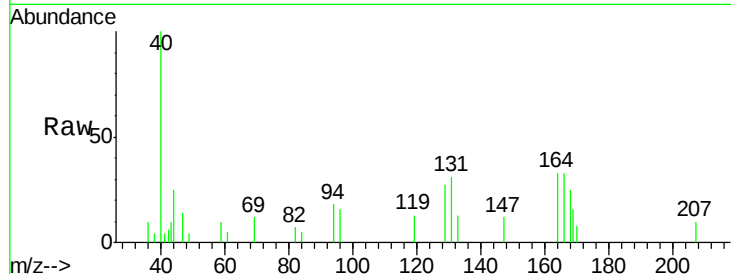
Ion 92.00 (91.70 to 92.70): VW





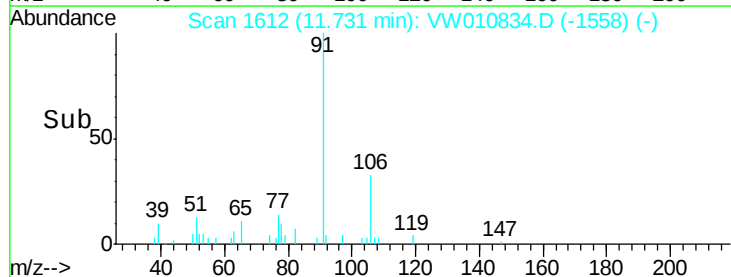
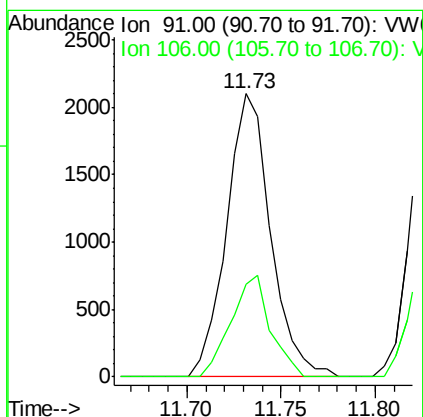
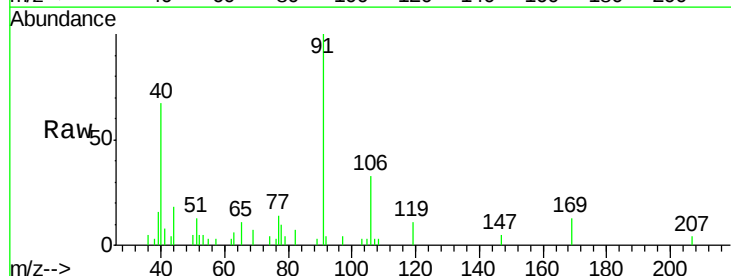
#47
 Tetrachloroethene
 Concen: 1.333 ug/L
 RT: 10.86 min Scan# 1469
 Delta R.T. 0.00 min
 Lab File: VW010834.D
 Acq: 17 Jun 2019 18:12

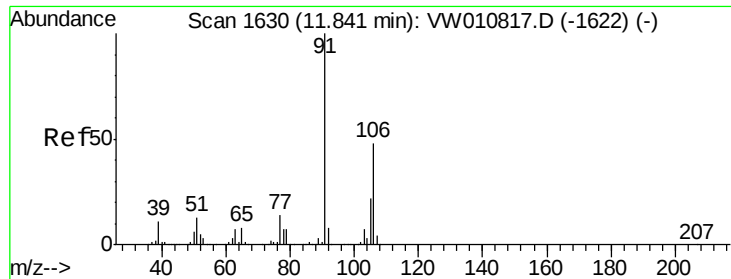
Tot Ion:	164	Resp:	725
Ion	Ratio	Lower	Upper
164	100		
129	84.2	64.5	119.7
131	96.2	63.6	118.0
166	100.7	85.8	159.3



#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





#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

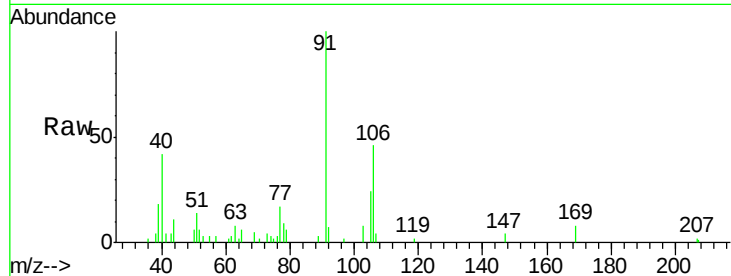
Acq: 17 Jun 2019 18:12

Tot Ion:106 Resp: 3251

Ion Ratio Lower Upper

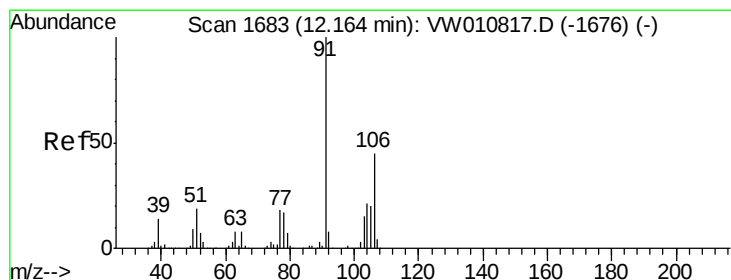
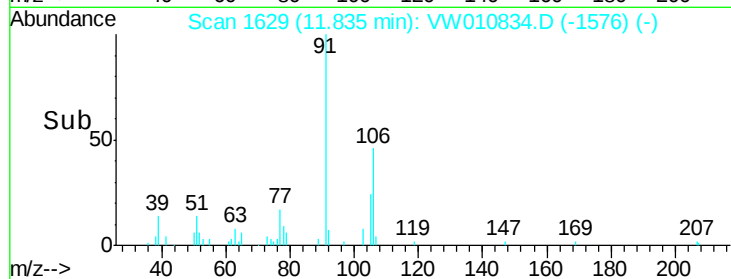
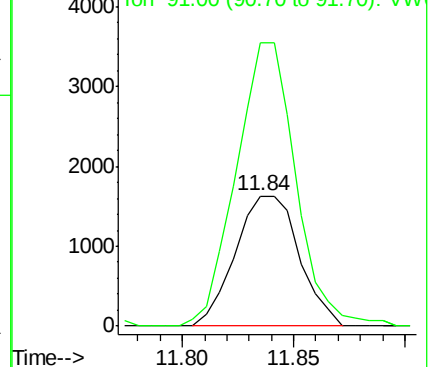
106 100

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



#55

o-xylene

Concen: 1.343 ug/L

RT: 12.17 min Scan# 1684

Delta R.T. 0.01 min

Lab File: VW010834.D

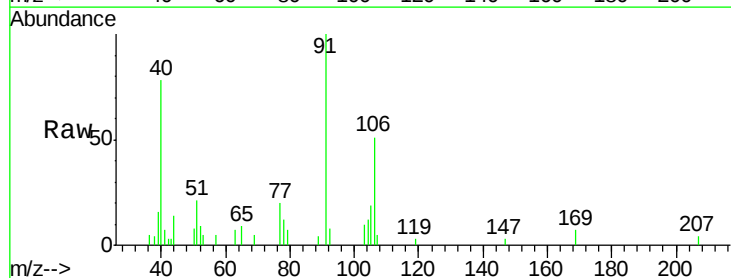
Acq: 17 Jun 2019 18:12

Tgt Ion:106 Resp: 1593

Ion Ratio Lower Upper

106 100

91 196.4 157.8 293.1



Abundance Ion 106.00 (105.70 to 106.70): V

Ion 91.00 (90.70 to 91.70): VW

