

Data Path : Z:\VOASRV\HPCHEM1\MSVOA W\DATA\VW061719\
 Data File : VW010826.D
 Acq On : 17 Jun 2019 14:38
 Operator : SY/VA
 Sample : K3363-07
 Misc : 3.01G/10ML/MSVOA W/SOIL
 ALS Vial : 1 Sample Multiplier: 1

Quant Time: Jun 18 07:36:59 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	197821	25.00	ug/L	0.00
28) Chlorobenzene-d5	11.63	117	98965	25.00	ug/L	0.00
60) 1,4-Dichlorobenzene-d4	13.56	152	13616	25.00	ug/L	0.00

System Monitoring Compounds

4) Vinyl Chloride-d3	2.35	65	63531	22.05	ug/L	0.00
Spiked Amount	25.000	Range	30 - 150	Recovery	=	88.20%
7) Chloroethane-d5	2.88	69	60738	27.80	ug/L	0.00
Spiked Amount	25.000	Range	30 - 150	Recovery	=	111.20%
10) 1,1-Dichloroethene-d2	4.01	63	97341m	16.30	ug/L	0.00
Spiked Amount	25.000	Range	45 - 110	Recovery	=	65.20%
20) 2-Butanone-d5	7.08	46	53364	47.21	ug/L	0.00
Spiked Amount	50.000	Range	20 - 135	Recovery	=	94.42%
24) Chloroform-d	7.65	84	74243	18.26	ug/L	0.00
Spiked Amount	25.000	Range	40 - 150	Recovery	=	73.04%
26) 1,2-Dichloroethane-d4	8.31	65	86371	26.08	ug/L	0.00
Spiked Amount	25.000	Range	70 - 130	Recovery	=	104.32%
29) Benzene-d6	8.27	84	261051	44.18	ug/L	0.00
Spiked Amount	25.000	Range	20 - 135	Recovery	=	176.72%#
33) 1,2-Dichloropropane-d6	9.27	67	104181	54.96	ug/L	0.00
Spiked Amount	25.000	Range	70 - 120	Recovery	=	219.84%#
37) Toluene-d8	10.32	98	163162	30.73	ug/L	0.00
Spiked Amount	25.000	Range	30 - 130	Recovery	=	122.92%
38) trans-1,3-Dichloropropene-	10.58	79	20032	23.60	ug/L	0.00
Spiked Amount	25.000	Range	30 - 135	Recovery	=	94.40%
39) 2-Hexanone-d5	10.93	63	47413	104.68	ug/L	0.00
Spiked Amount	50.000	Range	20 - 135	Recovery	=	209.36%#
48) 1,1,2,2-Tetrachloroethane-	12.69	84	84808	52.82	ug/L	0.00
Spiked Amount	25.000	Range	45 - 120	Recovery	=	211.28%#
61) 1,2-Dichlorobenzene-d4	13.86	152	19547	37.71	ug/L	0.00
Spiked Amount	25.000	Range	75 - 120	Recovery	=	150.84%#

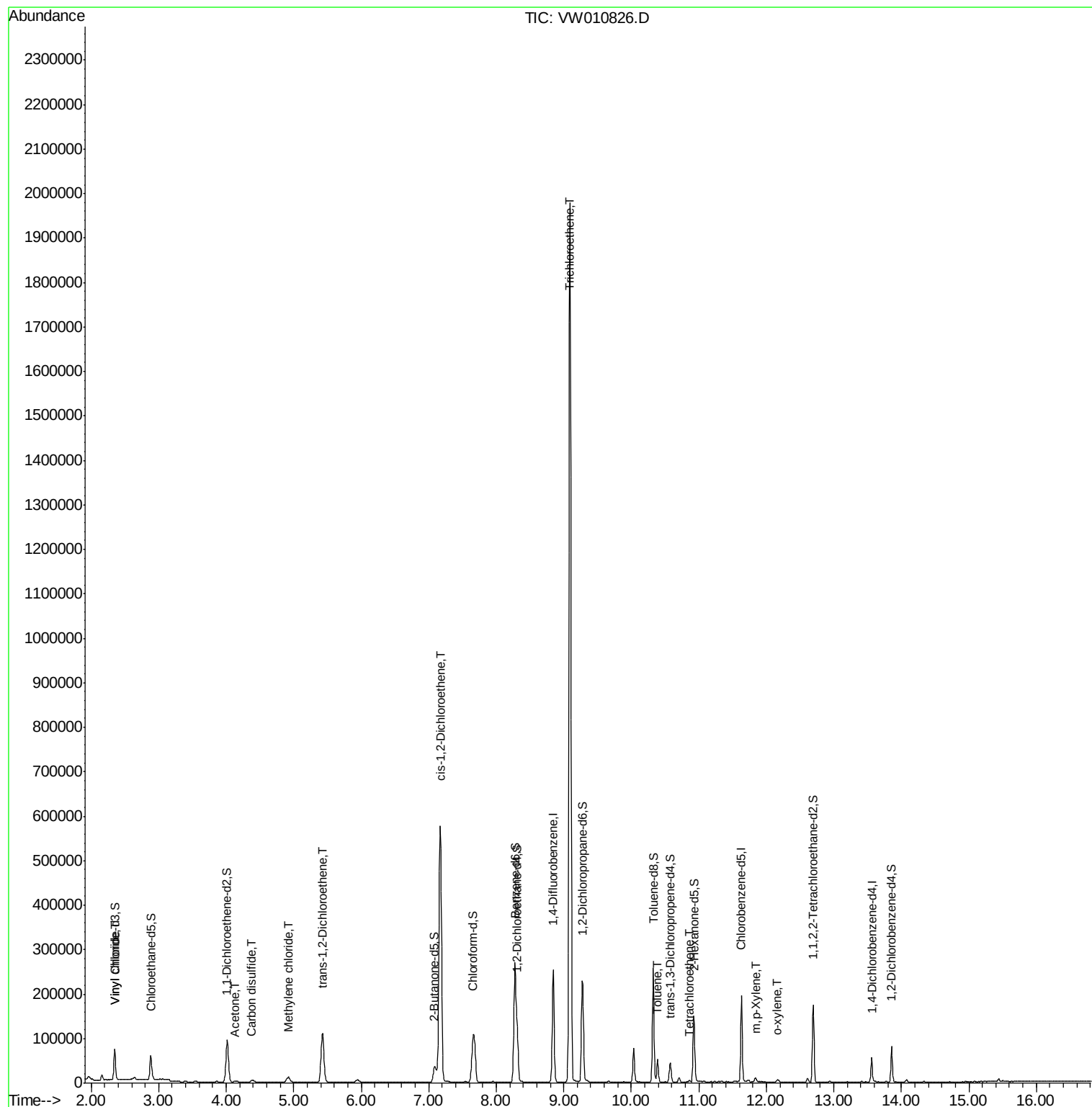
Target Compounds

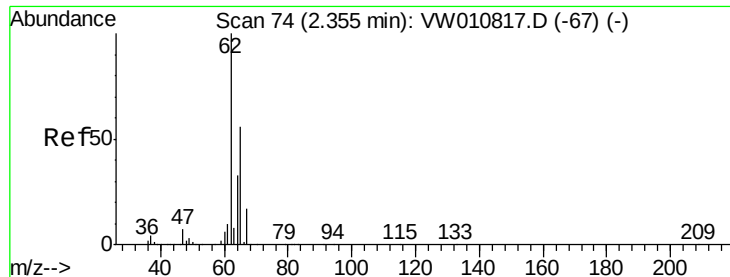
Target Compounds	R.T.	QIon	Response	Conc	Units	Ovalue
5) Vinyl chloride	2.35	62	3366	1.042	ug/L #	64
13) Acetone	4.13	43	3866m	3.183	ug/L	
14) Carbon disulfide	4.38	76	6160	0.908	ug/L #	90
16) Methylene chloride	4.92	84	8265	3.045	ug/L	97
18) trans-1,2-Dichloroethene	5.43	96	63804	24.878	ug/L	97
22) cis-1,2-Dichloroethene	7.17	96	321102	110.026	ug/L	99
35) Trichloroethene	9.09	95	684539	438.831	ug/L	99
44) Toluene	10.39	91	35527	5.573	ug/L	100
47) Tetrachloroethene	10.86	164	636	0.544	ug/L	92
54) m,p-Xylene	11.83	106	2440	0.928	ug/L	67
55) o-xylene	12.16	106	1320	0.518	ug/L	59

(#) = 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: 1.042 ug/L

RT: 2.35 min Scan# 74

Delta R.T. -0.00 min

Lab File: VW010826.D

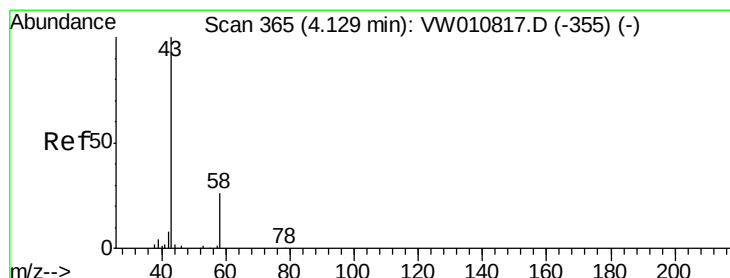
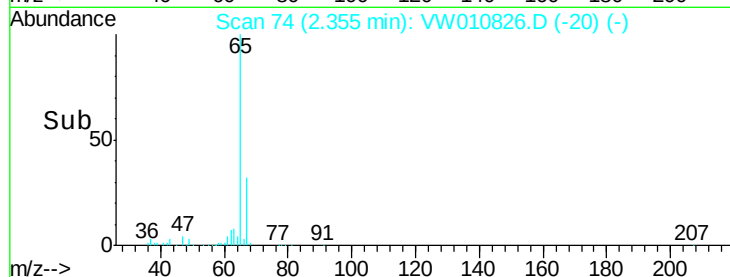
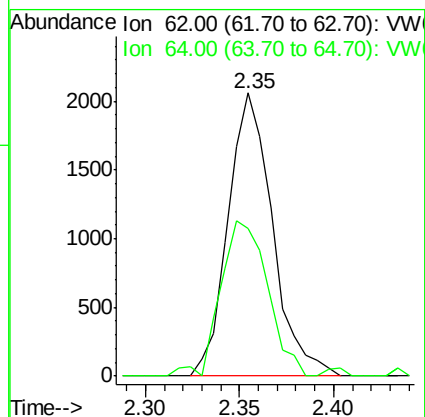
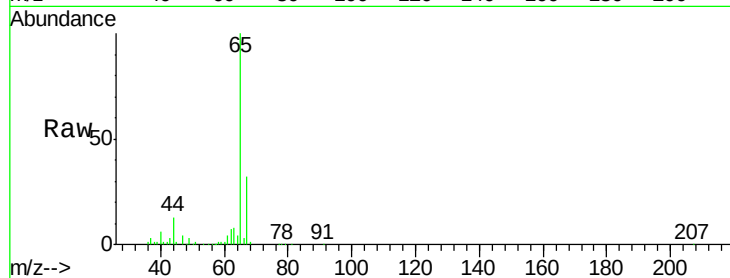
Acq: 17 Jun 2019 14:38

Tot Ion: 62 Resp: 3366

Ion Ratio Lower Upper

62 100

64 52.2 22.4 41.6#



#13

Acetone

Concen: 3.183 ug/L m

RT: 4.13 min Scan# 365

Delta R.T. -0.00 min

Lab File: VW010826.D

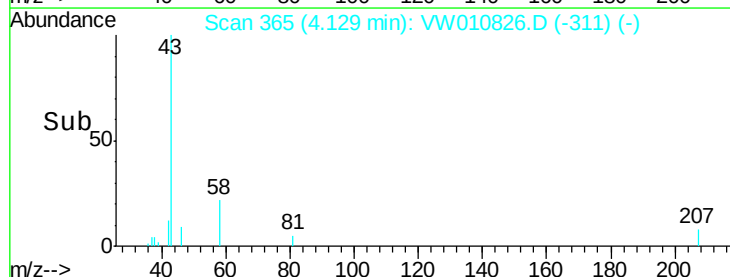
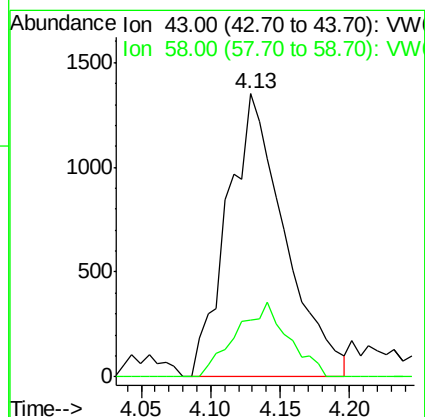
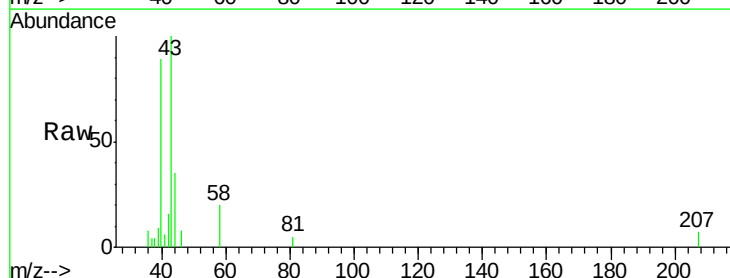
Acq: 17 Jun 2019 14:38

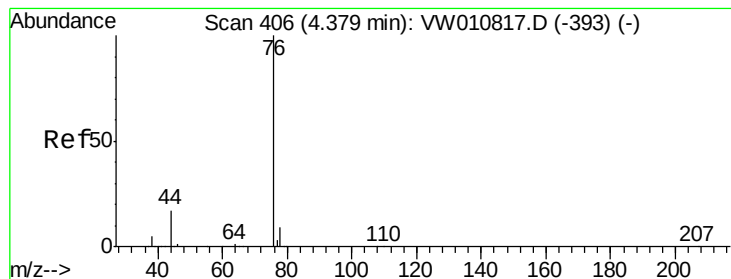
Tgt Ion: 43 Resp: 3866

Ion Ratio Lower Upper

43 100

58 14.4 0.0 54.6





#14

Carbon disulfide

Concen: 0.908 ug/L

RT: 4.38 min Scan# 406

Delta R.T. -0.00 min

Lab File: VW010826.D

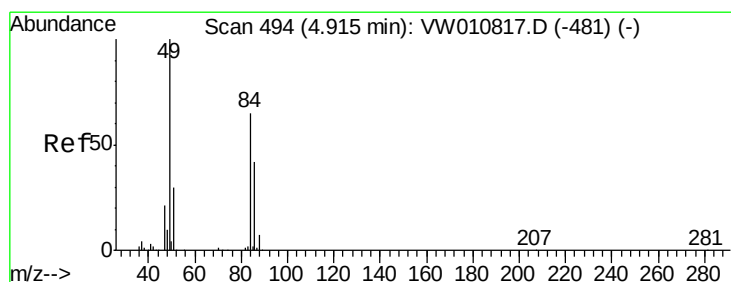
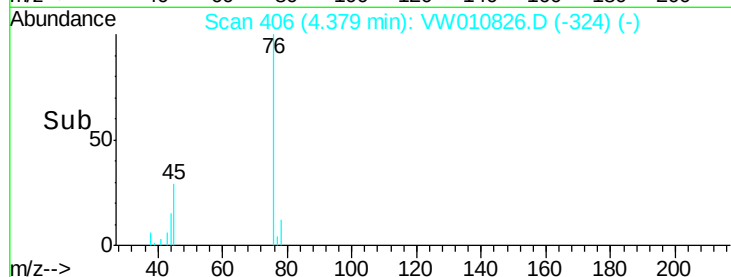
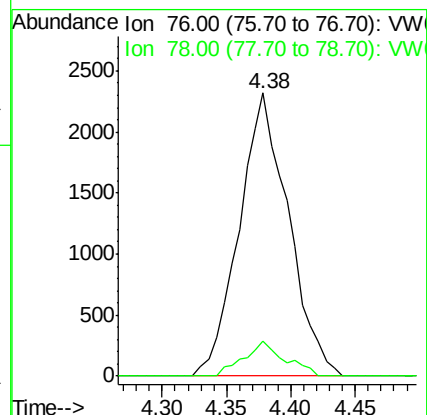
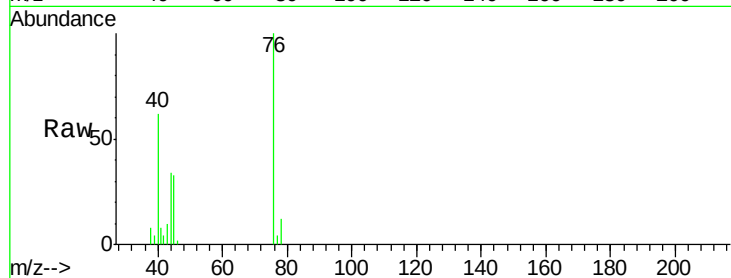
Acq: 17 Jun 2019 14:38

Tot Ion: 76 Resp: 6160

Ion Ratio Lower Upper

76 100

78 12.3 7.0 10.4#



#16

Methylene chloride

Concen: 3.045 ug/L

RT: 4.92 min Scan# 495

Delta R.T. 0.01 min

Lab File: VW010826.D

Acq: 17 Jun 2019 14:38

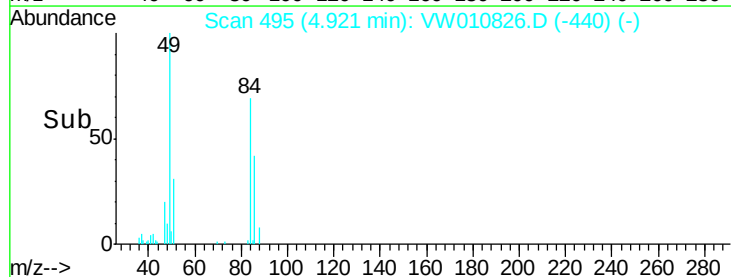
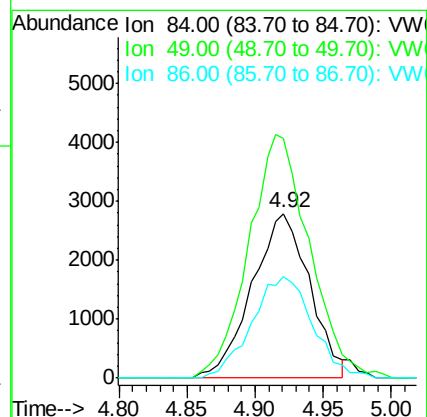
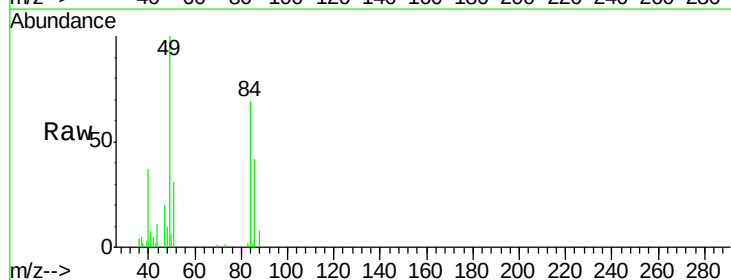
Tgt Ion: 84 Resp: 8265

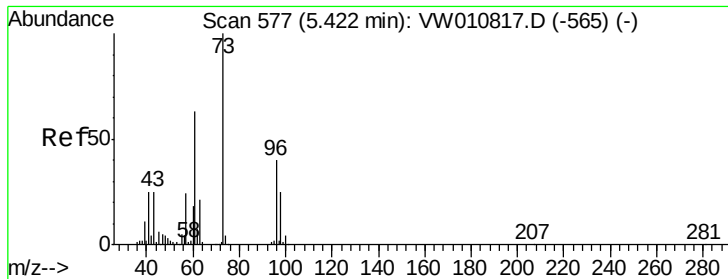
Ion Ratio Lower Upper

84 100

49 145.9 105.2 195.4

86 61.6 43.7 81.1





#18

trans-1,2-Dichloroethene

Concen: 24.878 ug/L

RT: 5.43 min Scan# 578

Delta R.T. 0.01 min

Lab File: VW010826.D

Acq: 17 Jun 2019 14:38

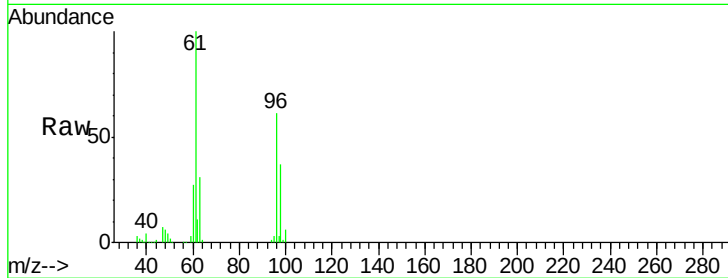
Tot Ion: 96 Resp: 63804

Ion Ratio Lower Upper

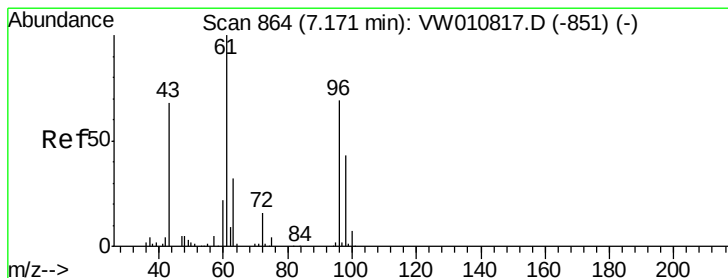
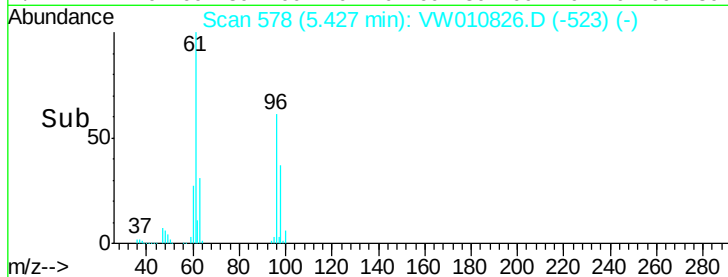
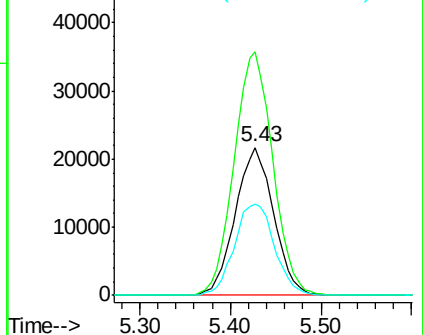
96 100

61 164.7 111.5 207.1

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



#22

cis-1,2-Dichloroethene

Concen: 110.026 ug/L

RT: 7.17 min Scan# 864

Delta R.T. -0.00 min

Lab File: VW010826.D

Acq: 17 Jun 2019 14:38

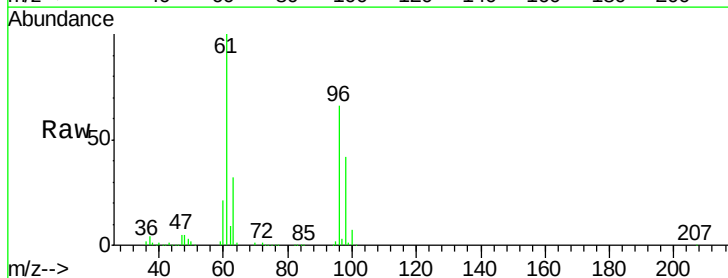
Tgt Ion: 96 Resp: 321102

Ion Ratio Lower Upper

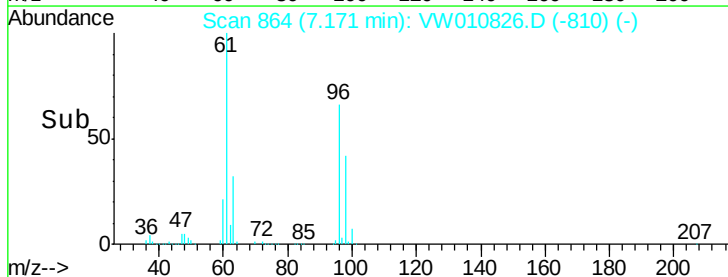
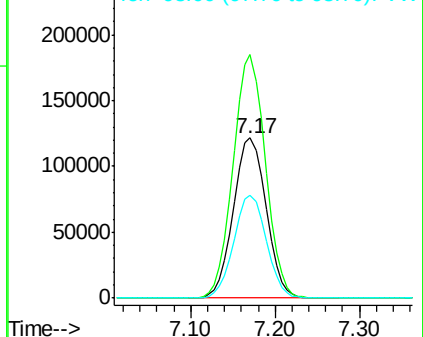
96 100

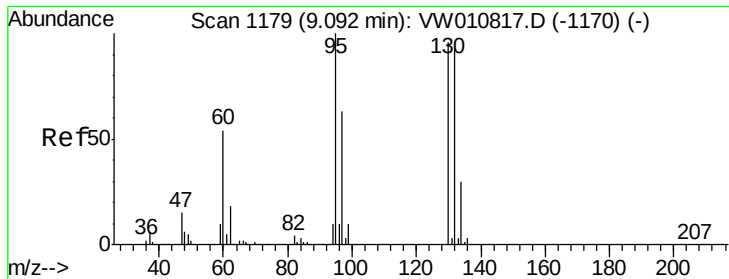
61 151.9 105.3 195.6

98 64.5 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





#35

Trichloroethene

Concen: 438.831 ug/L

RT: 9.09 min Scan# 1179

Delta R.T. -0.00 min

Lab File: VW010826.D

Acq: 17 Jun 2019 14:38

Tot Ion: 95 Resp: 684539

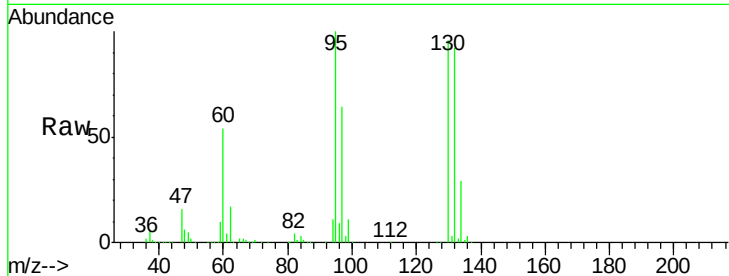
Ion	Ratio	Lower	Upper
95	100		
97	64.6	45.4	84.2
132	92.3	65.0	120.6
130	96.5	68.3	126.9

95 100

97 64.6 45.4 84.2

132 92.3 65.0 120.6

130 96.5 68.3 126.9

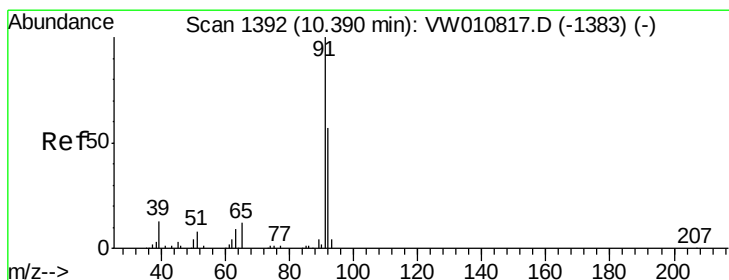
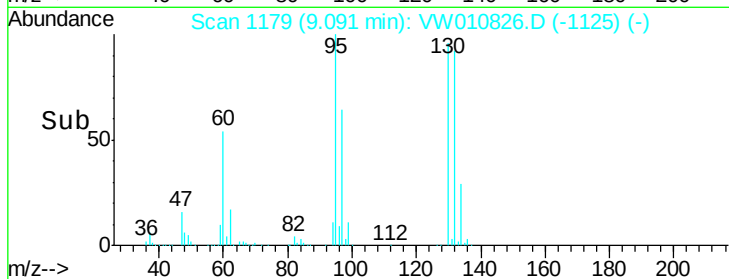
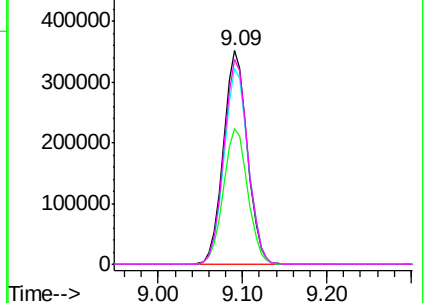


Abundance Ion 95.00 (94.70 to 95.70): VW

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: 5.573 ug/L

RT: 10.39 min Scan# 1392

Delta R.T. -0.00 min

Lab File: VW010826.D

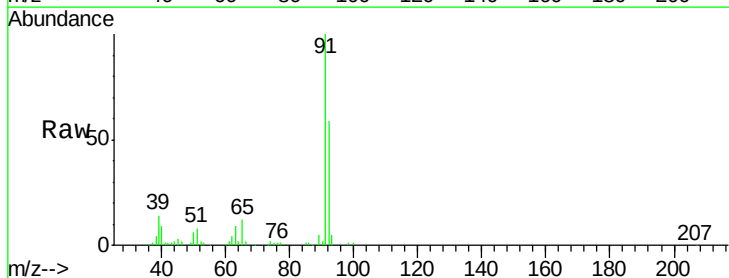
Acq: 17 Jun 2019 14:38

Tgt Ion: 91 Resp: 35527

Ion	Ratio	Lower	Upper
91	100		
92	58.8	41.0	76.2

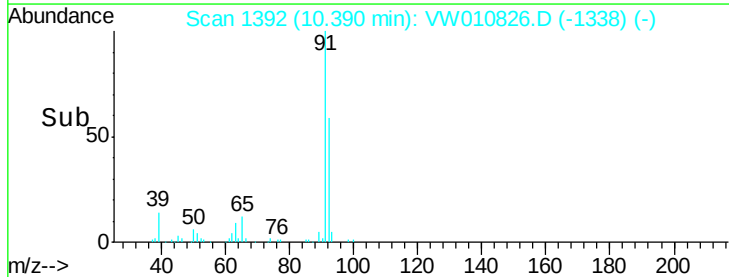
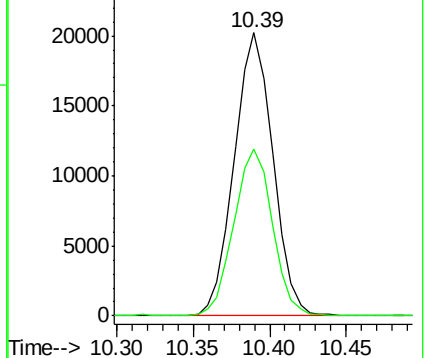
91 100

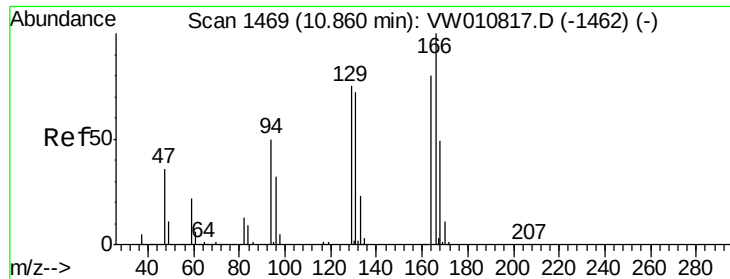
92 58.8 41.0 76.2



Abundance Ion 91.00 (90.70 to 91.70): VW

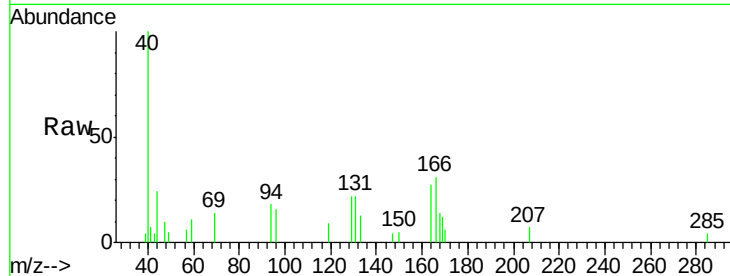
Ion 92.00 (91.70 to 92.70): VW



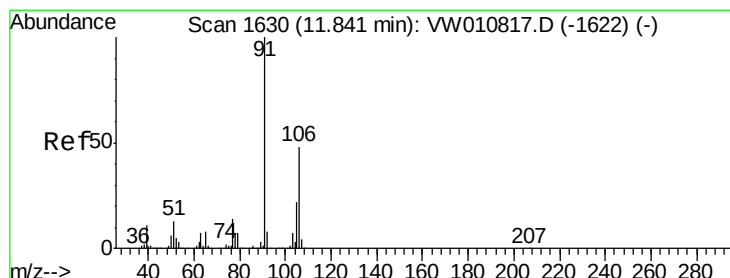
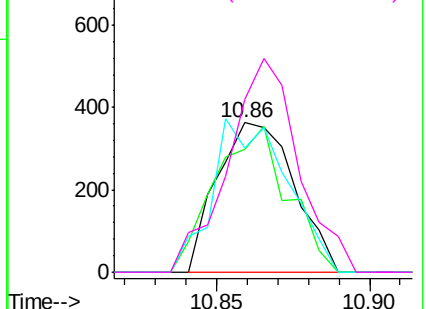
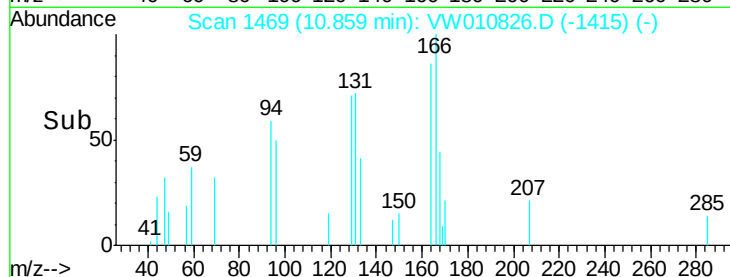


#47
Tetrachloroethene
Concen: 0.544 ug/L
RT: 10.86 min Scan# 1469
Delta R.T. -0.00 min
Lab File: VW010826.D
Acq: 17 Jun 2019 14:38

Tot Ion:164	Resp: 636
Ion Ratio	Lower Upper
164 100	
129 82.0	64.5 119.7
131 83.1	63.6 118.0
166 116.0	85.8 159.3

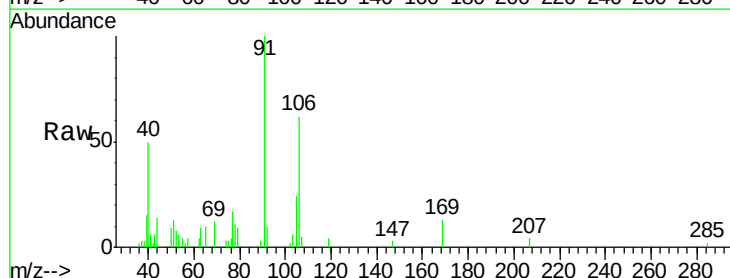


Abundance Ion 164.00 (163.70 to 164.70): V
Ion 129.00 (128.70 to 129.70): V
Ion 131.00 (130.70 to 131.70): V
Ion 166.00 (165.70 to 166.70): V

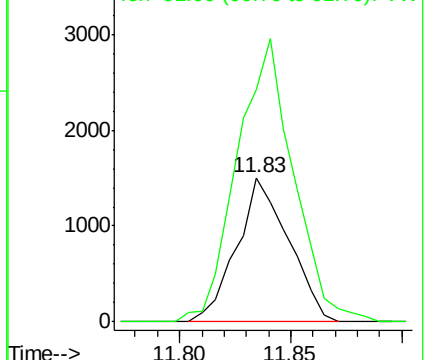
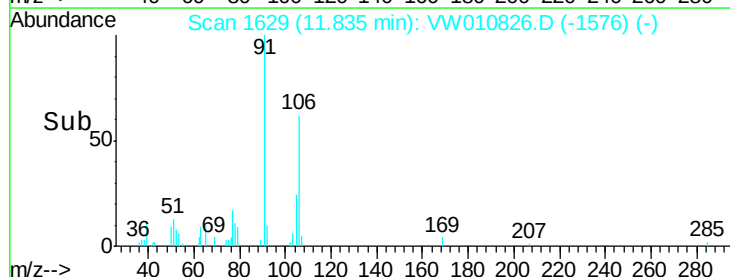


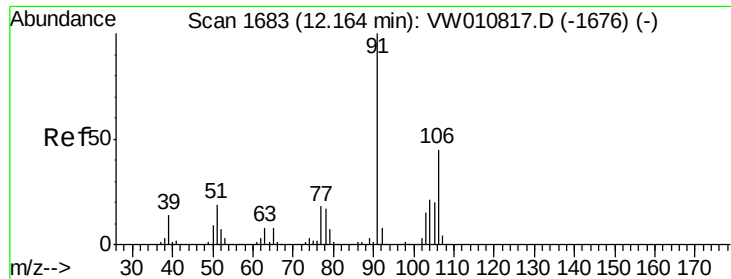
#54
m,p-Xylene
Concen: 0.928 ug/L
RT: 11.83 min Scan# 1629
Delta R.T. -0.01 min
Lab File: VW010826.D
Acq: 17 Jun 2019 14:38

Tgt	Ion:106	Resp:	2440
Ion	Ratio	Lower	Upper
106	100		
91	161.0	148.7	276.1



Abundance Ion 106.00 (105.70 to 106.70): V
Ion 91.00 (90.70 to 91.70): V





#55
o-xylene
Concen: 0.518 ug/L
RT: 12.16 min Scan# 1682
Delta R.T. -0.01 min
Lab File: VW010826.D
Acq: 17 Jun 2019 14:38

Tot Ion:106 Resp: 1320
Ion Ratio Lower Upper
106 100
91 158.5 157.8 293.1

