

Data File : VW010822.D
Acq On : 17 Jun 2019 12:39
Operator : SY/VA
Sample : K3324-20
Misc : 3.66G/10ML/MSVOA_W/SOIL
ALS Vial : 1 Sample Multiplier: 1

Quant Time: Jun 18 05:52:26 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	202125	25.00	ug/L	0.00
28) Chlorobenzene-d5	11.63	117	88438	25.00	ug/L	0.00
60) 1,4-Dichlorobenzene-d4	13.56	152	10274	25.00	ug/L	0.00

System Monitoring Compounds

4) Vinyl Chloride-d3	2.34	65	74395	25.27	ug/L	0.00
Spiked Amount	25.000	Range	30 - 150	Recovery	=	101.08%
7) Chloroethane-d5	2.88	69	67713	30.33	ug/L	0.00
Spiked Amount	25.000	Range	30 - 150	Recovery	=	121.32%
10) 1,1-Dichloroethene-d2	4.01	63	118715	19.45	ug/L	0.00
Spiked Amount	25.000	Range	45 - 110	Recovery	=	77.80%
20) 2-Butanone-d5	7.08	46	87237	75.53	ug/L	0.00
Spiked Amount	50.000	Range	20 - 135	Recovery	=	151.06%#
24) Chloroform-d	7.65	84	106859	25.72	ug/L	0.00
Spiked Amount	25.000	Range	40 - 150	Recovery	=	102.88%
26) 1,2-Dichloroethane-d4	8.30	65	98919	29.23	ug/L	0.00
Spiked Amount	25.000	Range	70 - 130	Recovery	=	116.92%
29) Benzene-d6	8.27	84	276486	52.37	ug/L	0.00
Spiked Amount	25.000	Range	20 - 135	Recovery	=	209.48%#
33) 1,2-Dichloropropane-d6	9.27	67	117663	69.46	ug/L	0.00
Spiked Amount	25.000	Range	70 - 120	Recovery	=	277.84%#
37) Toluene-d8	10.32	98	163990	34.57	ug/L	0.00
Spiked Amount	25.000	Range	30 - 130	Recovery	=	138.28%#
38) trans-1,3-Dichloropropene-	10.58	79	22384	29.51	ug/L	0.00
Spiked Amount	25.000	Range	30 - 135	Recovery	=	118.04%
39) 2-Hexanone-d5	10.93	63	47864	118.26	ug/L	0.00
Spiked Amount	50.000	Range	20 - 135	Recovery	=	236.52%#
48) 1,1,2,2-Tetrachloroethane-	12.69	84	92437	64.42	ug/L	0.00
Spiked Amount	25.000	Range	45 - 120	Recovery	=	257.68%#
61) 1,2-Dichlorobenzene-d4	13.86	152	13088	33.47	ug/L	0.00
Spiked Amount	25.000	Range	75 - 120	Recovery	=	133.88%#

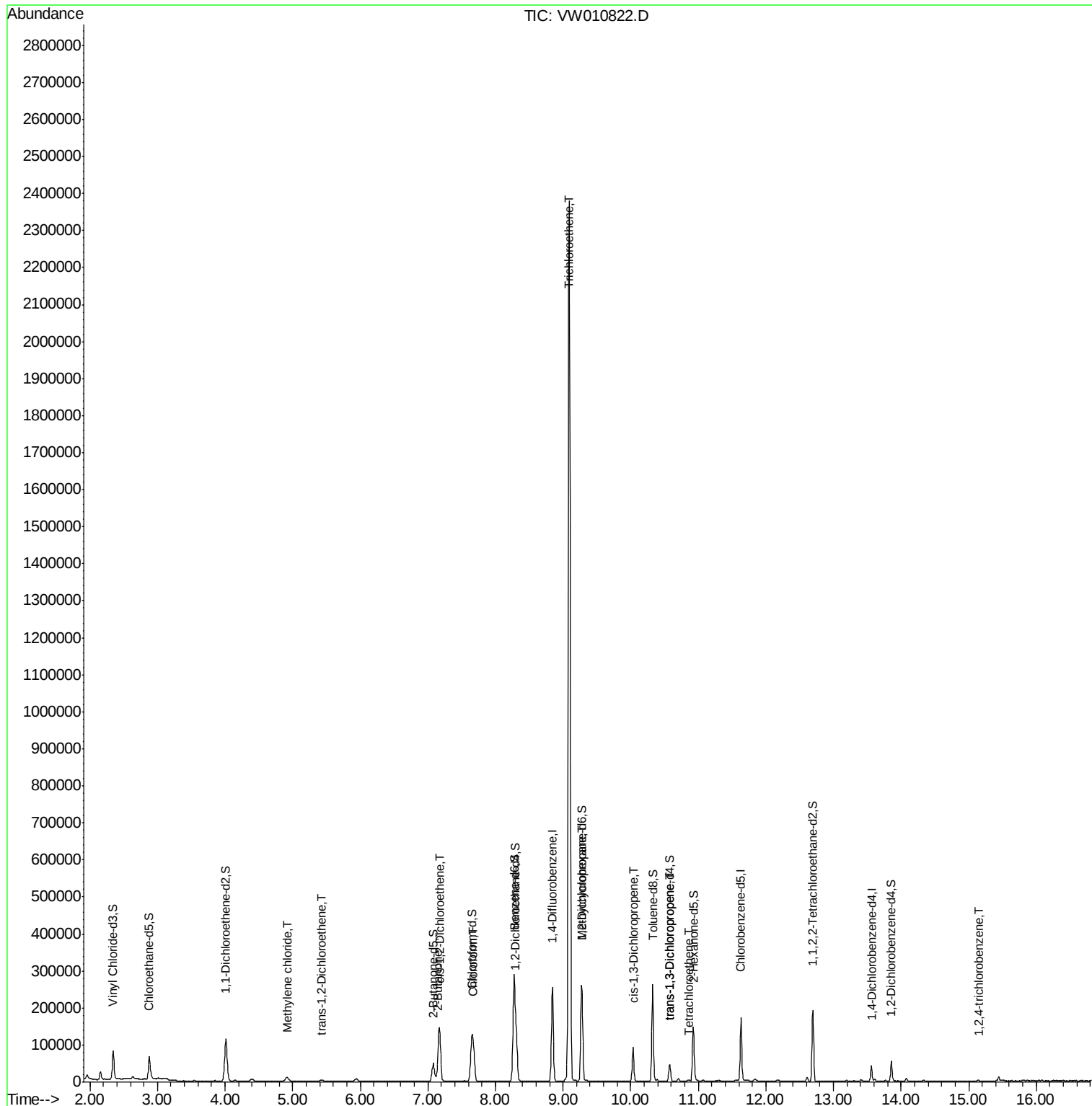
Target Compounds

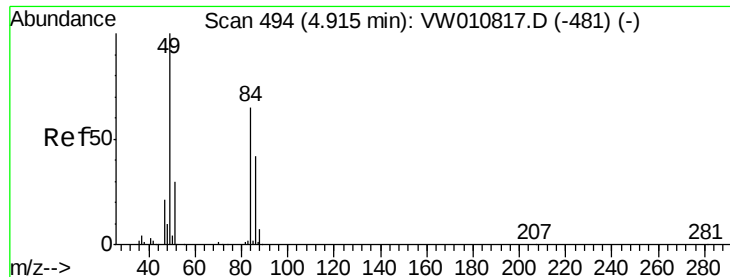
						Qvalue
16) Methylene chloride	4.92	84	8024	2.893	ug/L	89
18) trans-1,2-Dichloroethene	5.43	96	1713	0.654	ug/L	89
21) 2-Butanone	7.14	43	5032	2.969	ug/L	92
22) cis-1,2-Dichloroethene	7.17	96	80907	27.132	ug/L	99
25) Chloroform	7.68	83	69133	11.001	ug/L	98
35) Trichloroethene	9.09	95	829661	595.171	ug/L	99
36) Methylcyclohexane	9.27	83	27143	11.052	ug/L #	15
42) cis-1,3-Dichloropropene	10.04	75	2131	0.918	ug/L #	82
45) trans-1,3-Dichloropropene	10.59	75	1050	0.537	ug/L #	54
47) Tetrachloroethene	10.87	164	546	0.523	ug/L	90
68) 1,2,4-trichlorobenzene	15.14	180	558	1.329	ug/L #	64

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

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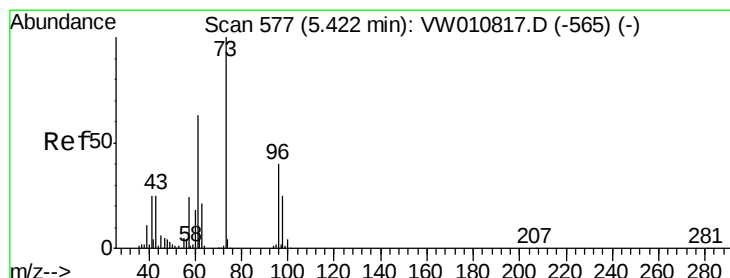
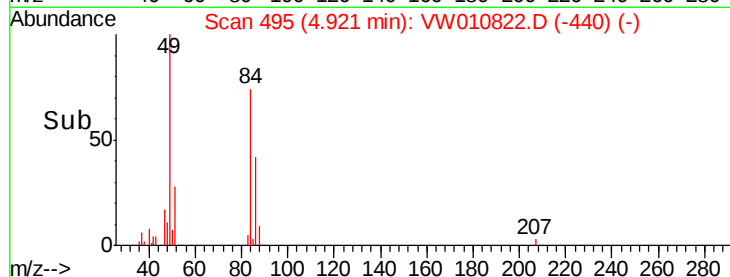
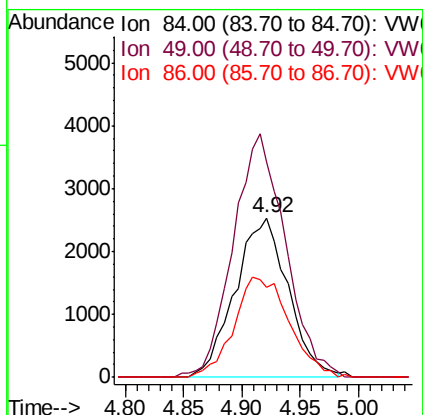
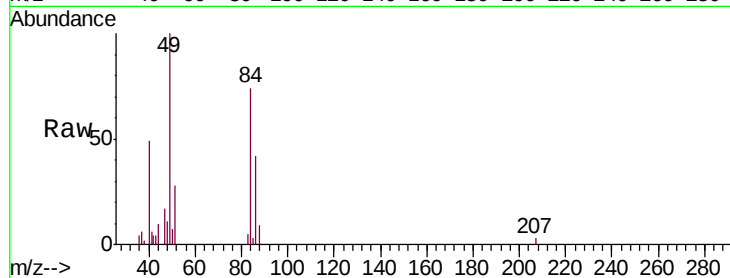
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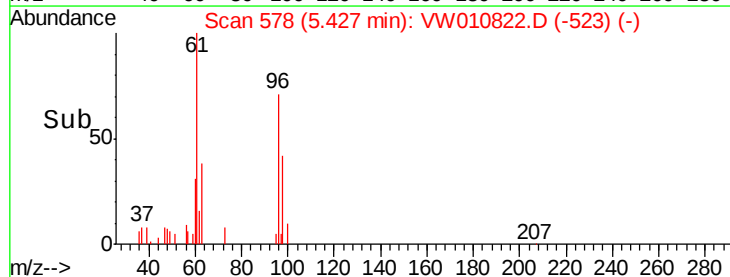
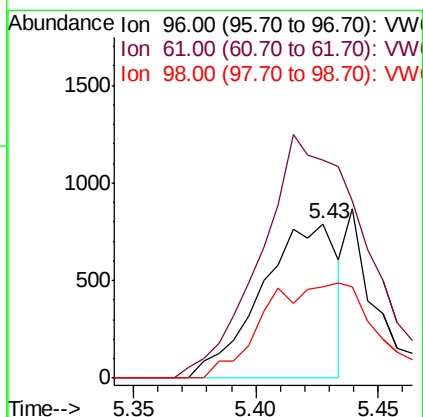
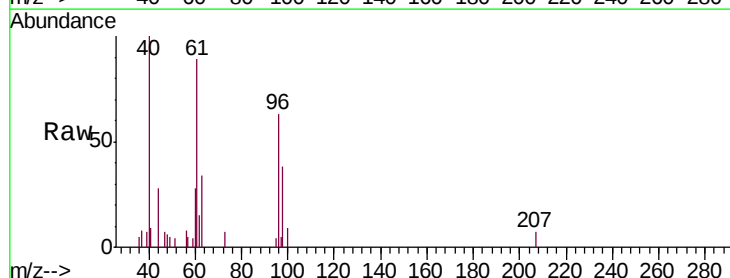
#16
Methylene chloride
Concen: 2.893 ug/L
RT: 4.92 min Scan# 495
Delta R.T. 0.01 min
Lab File: VW010822.D
Acq: 17 Jun 2019 12:39

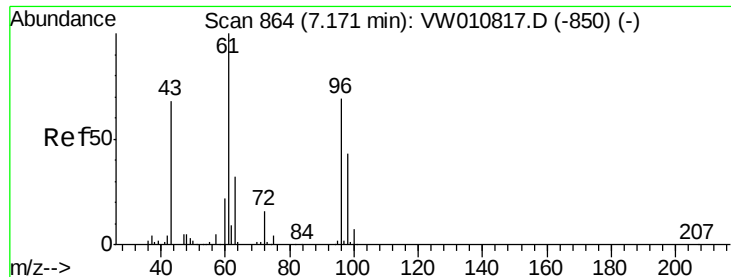
Tgt Ion: 84 Resp: 8024
Ion Ratio Lower Upper
84 100
49 135.1 105.2 195.4
86 56.2 43.7 81.1



#18
trans-1,2-Dichloroethene
Concen: 0.654 ug/L
RT: 5.43 min Scan# 578
Delta R.T. 0.01 min
Lab File: VW010822.D
Acq: 17 Jun 2019 12:39

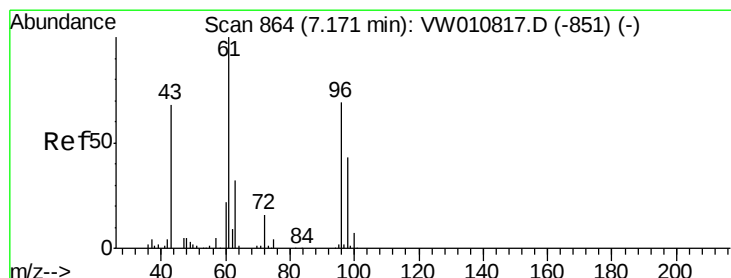
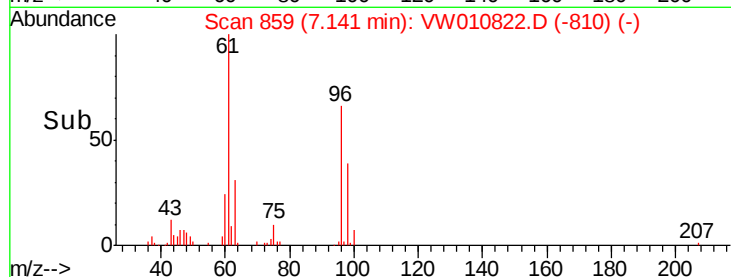
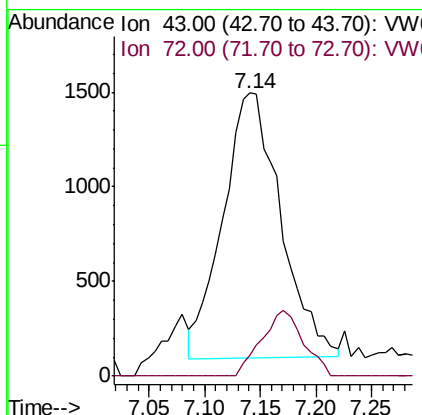
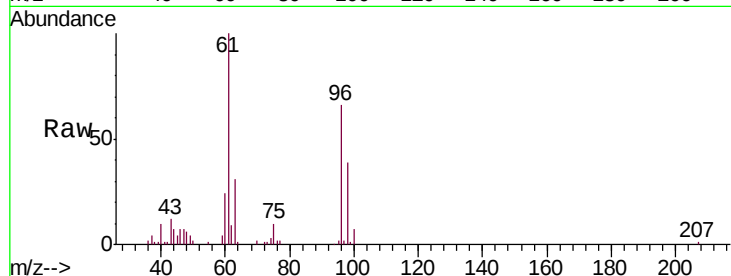
Tgt Ion: 96 Resp: 1713
Ion Ratio Lower Upper
96 100
61 141.6 111.5 207.1
98 59.5 44.1 81.9





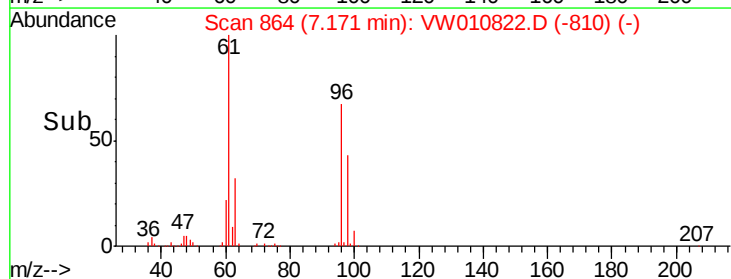
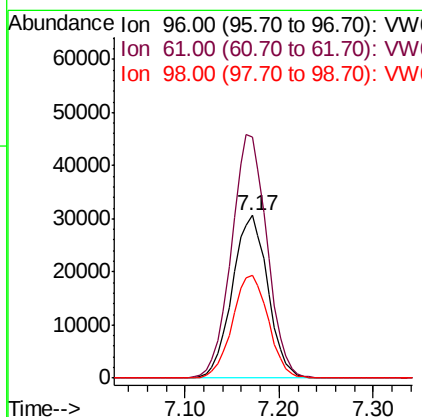
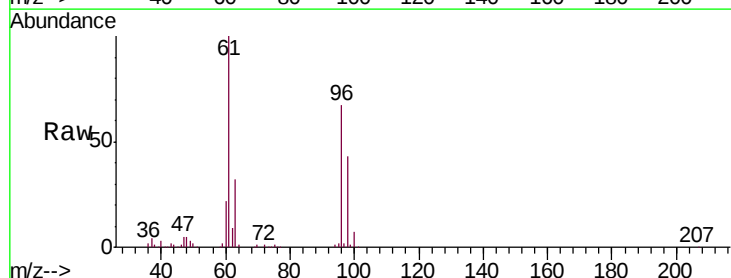
#21
2-Butanone
Concen: 2.969 ug/L
RT: 7.14 min Scan# 859
Delta R.T. -0.03 min
Lab File: VW010822.D
Acq: 17 Jun 2019 12:39

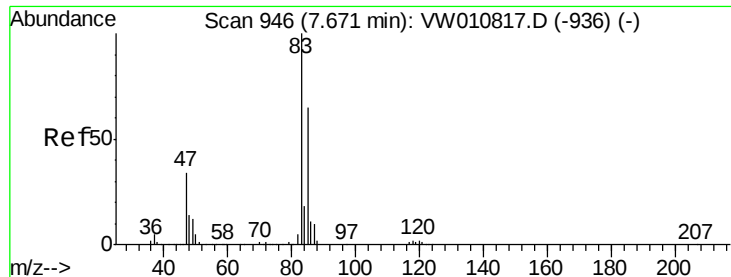
Tgt Ion: 43 Resp: 5032
Ion Ratio Lower Upper
43 100
72 18.0 11.0 33.0



#22
cis-1,2-Dichloroethene
Concen: 27.132 ug/L
RT: 7.17 min Scan# 864
Delta R.T. -0.00 min
Lab File: VW010822.D
Acq: 17 Jun 2019 12:39

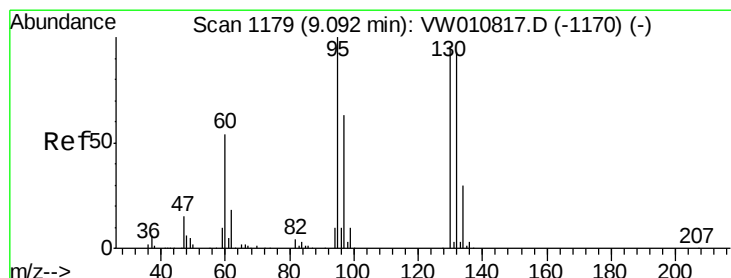
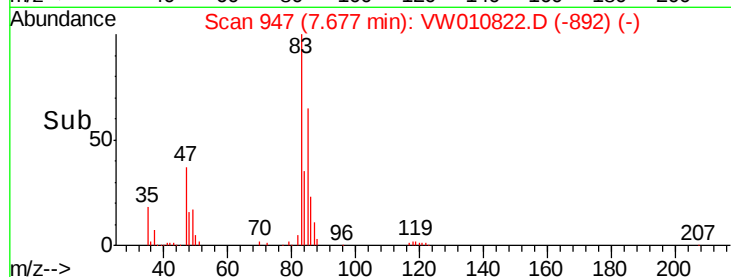
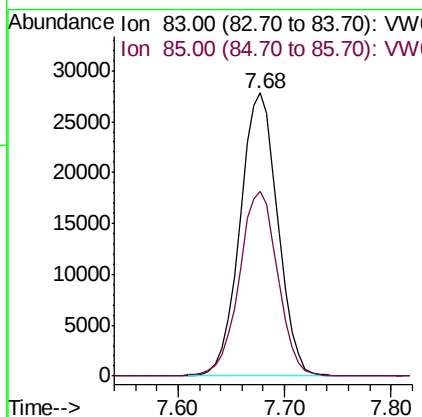
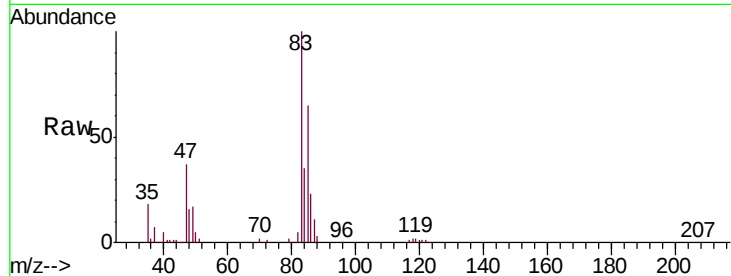
Tgt Ion: 96 Resp: 80907
Ion Ratio Lower Upper
96 100
61 148.2 105.3 195.6
98 63.4 44.6 82.8





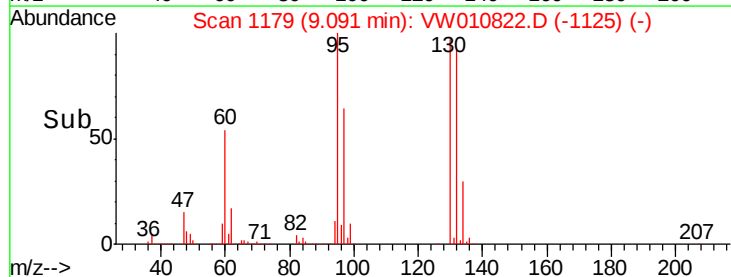
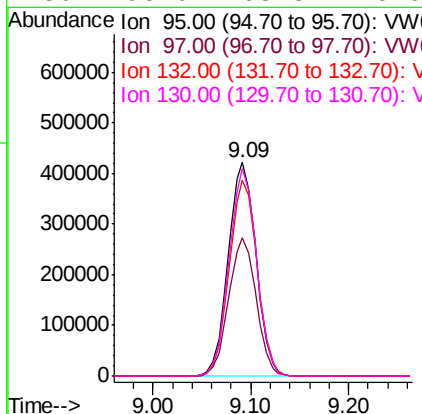
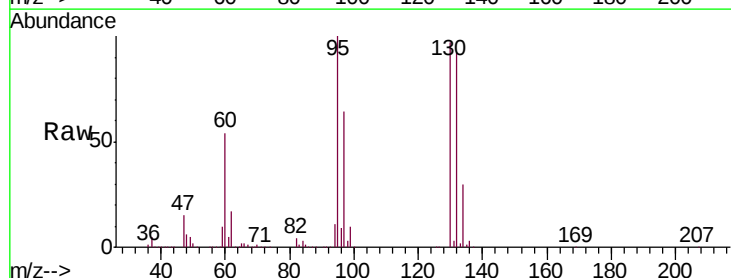
#25
Chloroform
Concen: 11.001 ug/L
RT: 7.68 min Scan# 947
Delta R.T. 0.01 min
Lab File: VW010822.D
Acq: 17 Jun 2019 12:39

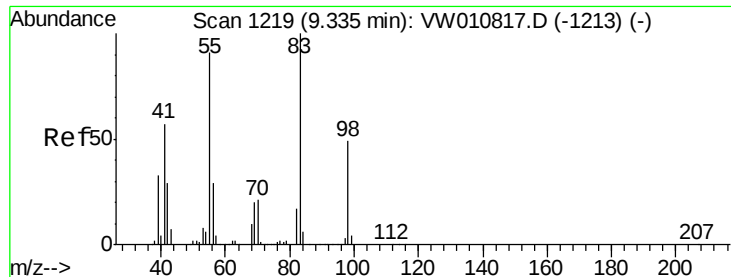
Tgt Ion: 83 Resp: 69133
Ion Ratio Lower Upper
83 100
85 66.6 45.4 84.4



#35
Trichloroethene
Concen: 595.171 ug/L
RT: 9.09 min Scan# 1179
Delta R.T. -0.00 min
Lab File: VW010822.D
Acq: 17 Jun 2019 12:39

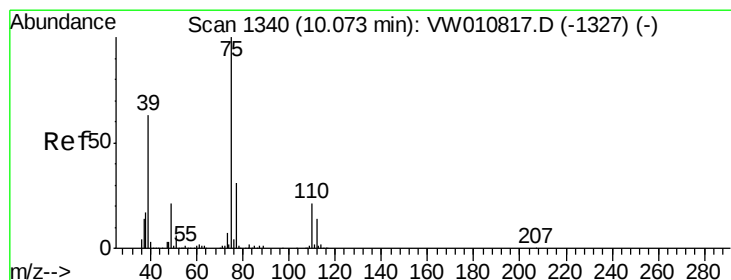
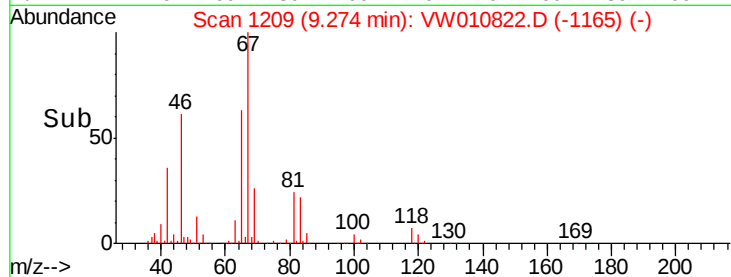
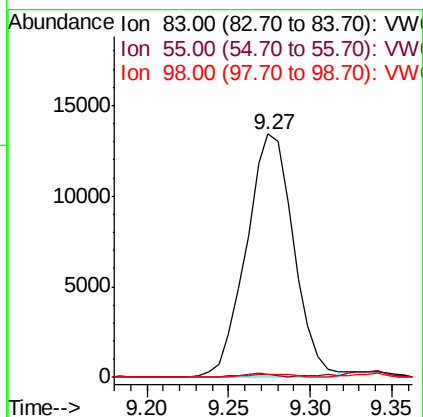
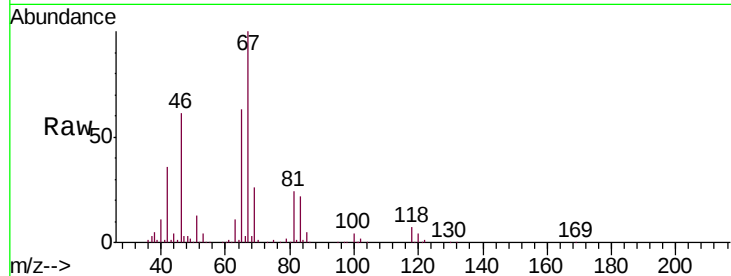
Tgt Ion: 95 Resp: 829661
Ion Ratio Lower Upper
95 100
97 64.3 45.4 84.2
132 92.0 65.0 120.6
130 96.0 68.3 126.9





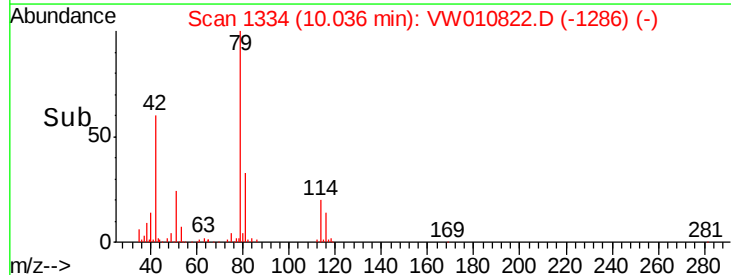
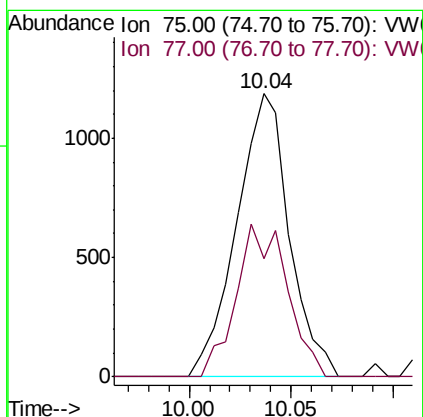
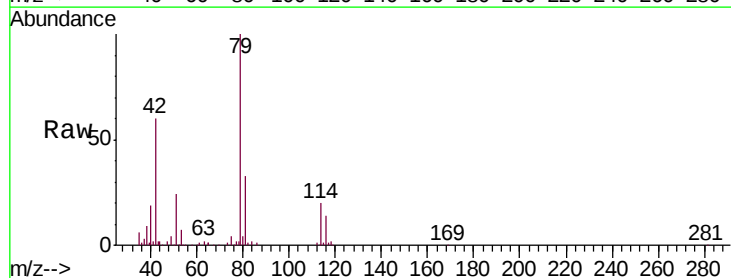
#36
Methylcyclohexane
Concen: 11.052 ug/L
RT: 9.27 min Scan# 1209
Delta R.T. -0.06 min
Lab File: VW010822.D
Acq: 17 Jun 2019 12:39

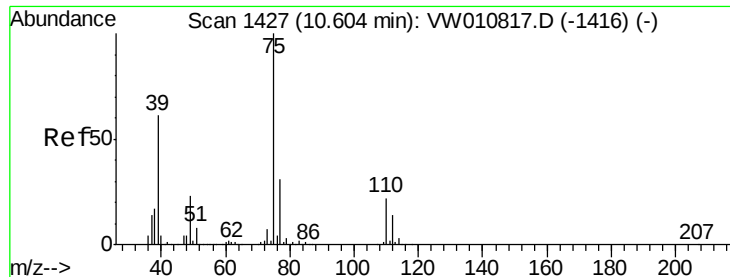
Tgt Ion: 83 Resp: 27143
Ion Ratio Lower Upper
83 100
55 1.1 71.6 107.4#
98 1.4 38.2 57.2#



#42
cis-1,3-Dichloropropene
Concen: 0.918 ug/L
RT: 10.04 min Scan# 1334
Delta R.T. -0.04 min
Lab File: VW010822.D
Acq: 17 Jun 2019 12:39

Tgt Ion: 75 Resp: 2131
Ion Ratio Lower Upper
75 100
77 41.7 22.0 41.0#





#45

trans-1,3-Dichloropropene

Concen: 0.537 ug/L

RT: 10.59 min Scan# 1424

Delta R.T. -0.02 min

Lab File: VW010822.D

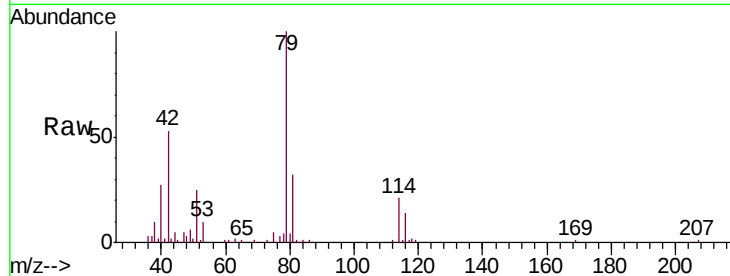
Acq: 17 Jun 2019 12:39

Tgt Ion: 75 Resp: 1050

Ion Ratio Lower Upper

75 100

77 57.9 22.5 41.7#



Abundance Ion 75.00 (74.70 to 75.70): VW

Ion 77.00 (76.70 to 77.70): VW

10.59

600

500

400

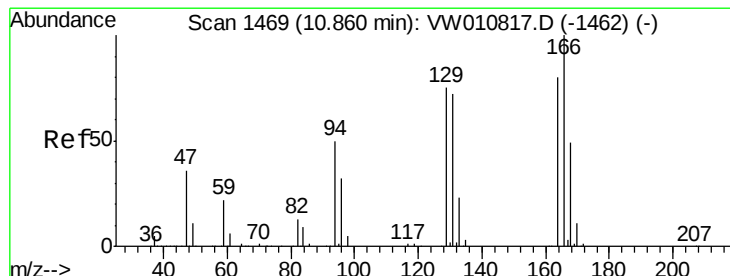
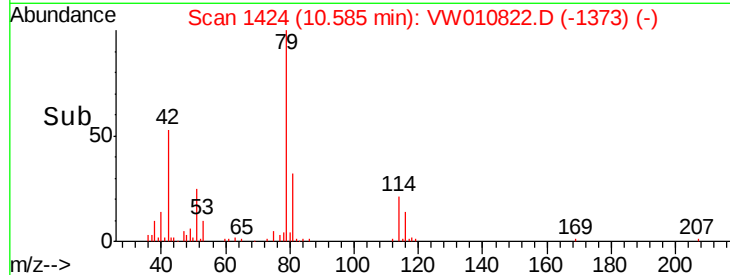
300

200

100

0

Time-->



#47

Tetrachloroethene

Concen: 0.523 ug/L

RT: 10.87 min Scan# 1470

Delta R.T. 0.01 min

Lab File: VW010822.D

Acq: 17 Jun 2019 12:39

Tgt Ion: 164 Resp: 546

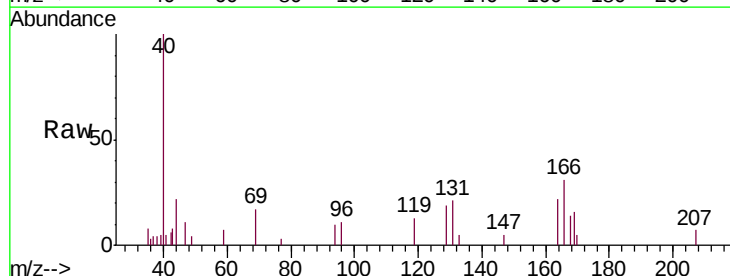
Ion Ratio Lower Upper

164 100

129 89.0 64.5 119.7

131 95.7 63.6 118.0

166 143.1 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

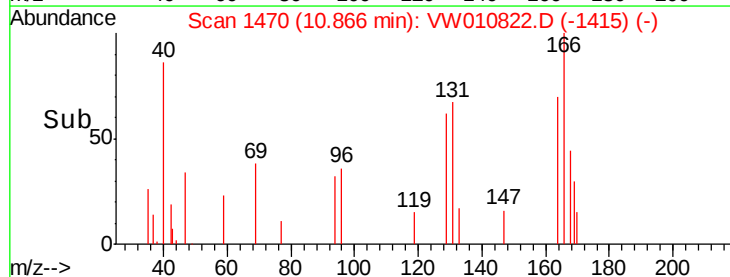
600

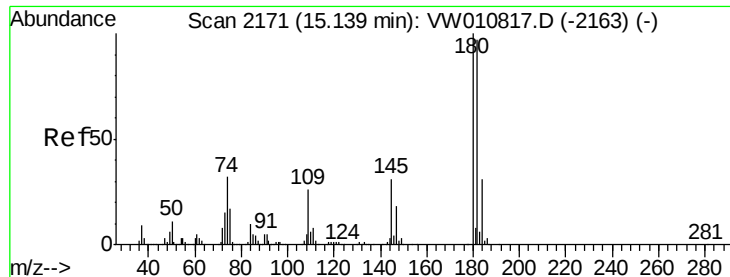
400

200

0

Time-->





#68
 1,2,4-trichlorobenzene
 Concen: 1.329 ug/L
 RT: 15.14 min Scan# 2171
 Delta R.T. -0.00 min
 Lab File: VW010822.D
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Tgt Ion	Ratio	Lower	Upper
180	100		
182	57.7	76.4	114.6#
145	45.7	24.8	37.2#

