

Data File : VW010833.D
Acq On : 17 Jun 2019 17:45
Operator : SY/VA
Sample : K3324-21
Misc : 5.65G/10ML/MSVOA_W/SOIL
ALS Vial : 1 Sample Multiplier: 1

Quant Time: Jun 18 05:53:43 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	149514	25.00	ug/L	0.00
28) Chlorobenzene-d5	11.63	117	119894	25.00	ug/L	0.00
60) 1,4-Dichlorobenzene-d4	13.56	152	42788	25.00	ug/L	0.00

System Monitoring Compounds

4) Vinyl Chloride-d3	2.35	65	35016	16.08	ug/L	0.00
Spiked Amount	25.000	Range	30 - 150	Recovery	=	64.32%
7) Chloroethane-d5	2.89	69	31941	19.34	ug/L	0.00
Spiked Amount	25.000	Range	30 - 150	Recovery	=	77.36%
10) 1,1-Dichloroethene-d2	4.01	63	55361	12.26	ug/L	0.00
Spiked Amount	25.000	Range	45 - 110	Recovery	=	49.04%
20) 2-Butanone-d5	7.09	46	20087	23.51	ug/L	0.00
Spiked Amount	50.000	Range	20 - 135	Recovery	=	47.02%
24) Chloroform-d	7.65	84	51981	16.91	ug/L	0.00
Spiked Amount	25.000	Range	40 - 150	Recovery	=	67.64%
26) 1,2-Dichloroethane-d4	8.31	65	52293	20.89	ug/L	0.00
Spiked Amount	25.000	Range	70 - 130	Recovery	=	83.56%
29) Benzene-d6	8.27	84	149798	20.93	ug/L	0.00
Spiked Amount	25.000	Range	20 - 135	Recovery	=	83.72%
33) 1,2-Dichloropropane-d6	9.27	67	54914	23.91	ug/L	0.00
Spiked Amount	25.000	Range	70 - 120	Recovery	=	95.64%
37) Toluene-d8	10.32	98	120072	18.67	ug/L	0.00
Spiked Amount	25.000	Range	30 - 130	Recovery	=	74.68%
38) trans-1,3-Dichloropropene-	10.58	79	19061	18.53	ug/L	0.00
Spiked Amount	25.000	Range	30 - 135	Recovery	=	74.12%
39) 2-Hexanone-d5	10.93	63	24466	44.59	ug/L	0.00
Spiked Amount	50.000	Range	20 - 135	Recovery	=	89.18%
48) 1,1,2,2-Tetrachloroethane-	12.69	84	48571	24.97	ug/L	0.00
Spiked Amount	25.000	Range	45 - 120	Recovery	=	99.88%
61) 1,2-Dichlorobenzene-d4	13.86	152	30910	18.98	ug/L	0.00
Spiked Amount	25.000	Range	75 - 120	Recovery	=	75.92%

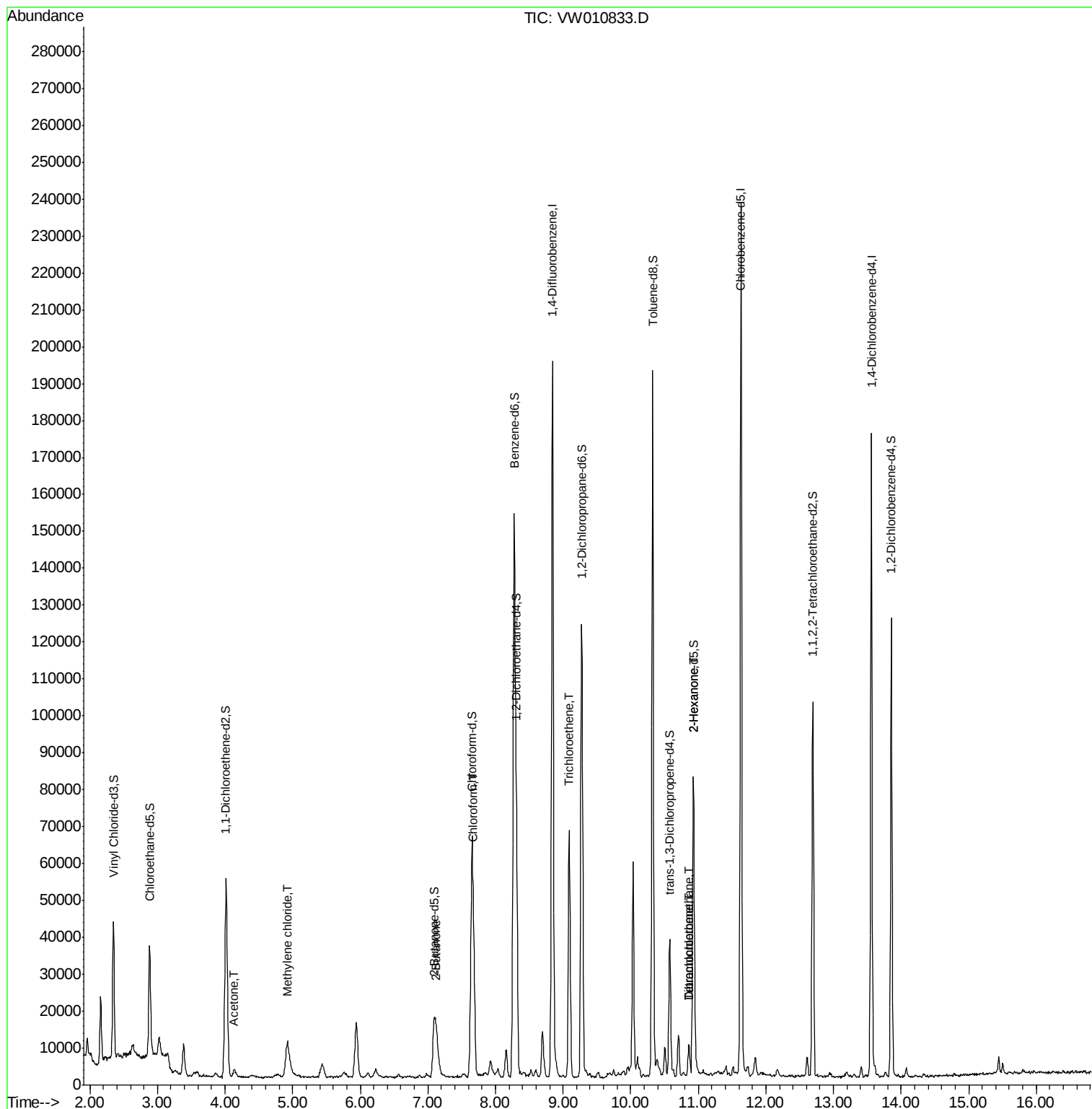
Target Compounds

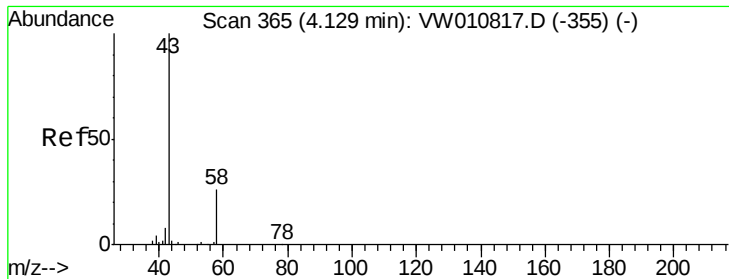
					Qvalue
13) Acetone	4.13	43	1464	1.595 ug/L	94
16) Methylene chloride	4.92	84	6176	3.010 ug/L	99
21) 2-Butanone	7.13	43	2535	2.022 ug/L #	61
25) Chloroform	7.68	83	27529	5.922 ug/L	100
35) Trichloroethene	9.09	95	22157	11.724 ug/L	98
47) Tetrachloroethene	10.87	164	1725	1.218 ug/L	88
49) 2-Hexanone	10.93	43	7108	4.855 ug/L #	66
50) Dibromochloromethane	10.86	129	1636	1.009 ug/L #	11

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

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#13

Acetone

Concen: 1.595 ug/L

RT: 4.13 min Scan# 365

Delta R.T. -0.00 min

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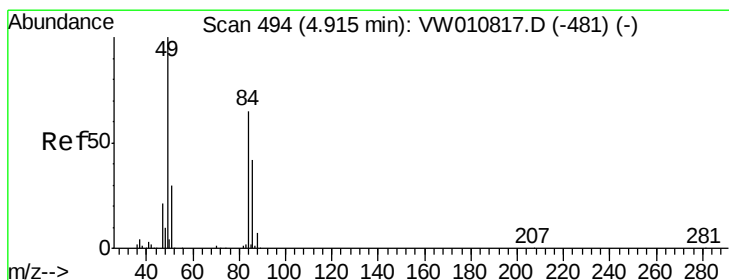
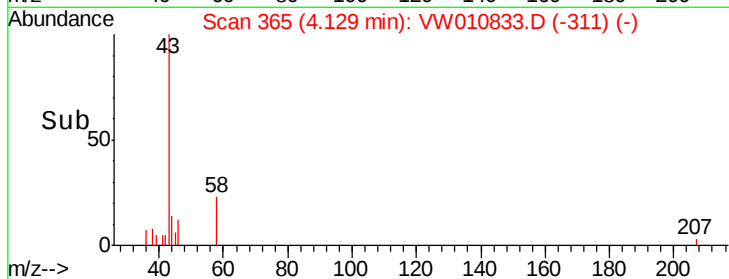
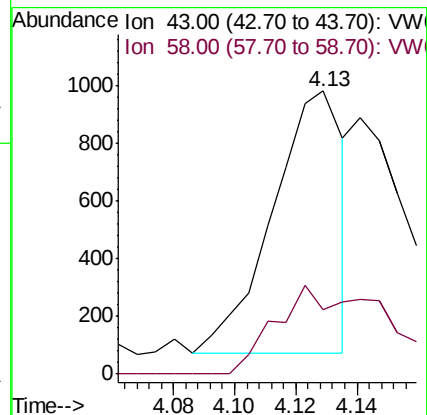
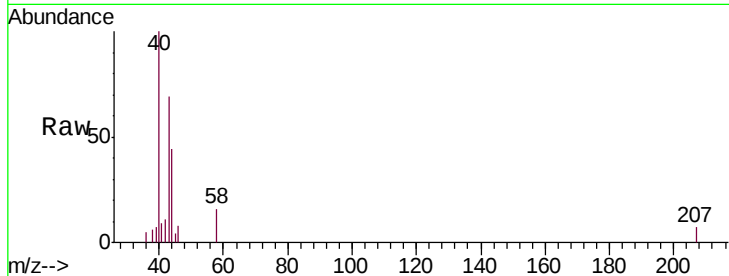
Acq: 17 Jun 2019 17:45

Tgt Ion: 43 Resp: 1464

Ion Ratio Lower Upper

43 100

58 24.0 0.0 54.6



#16

Methylene chloride

Concen: 3.010 ug/L

RT: 4.92 min Scan# 494

Delta R.T. -0.00 min

Lab File: VW010833.D

Acq: 17 Jun 2019 17:45

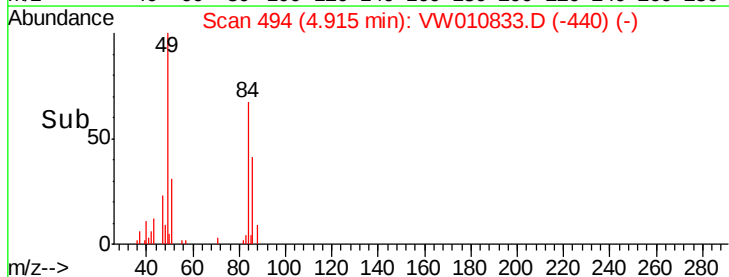
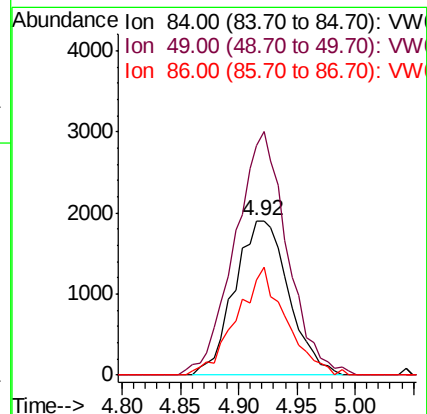
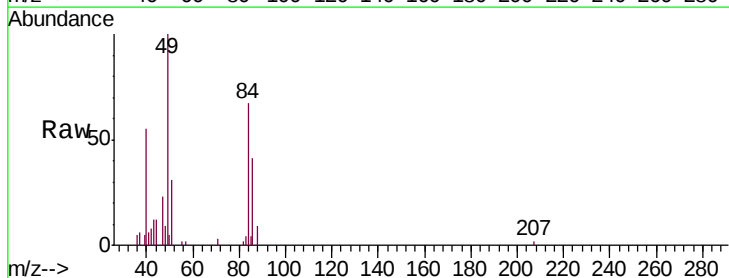
Tgt Ion: 84 Resp: 6176

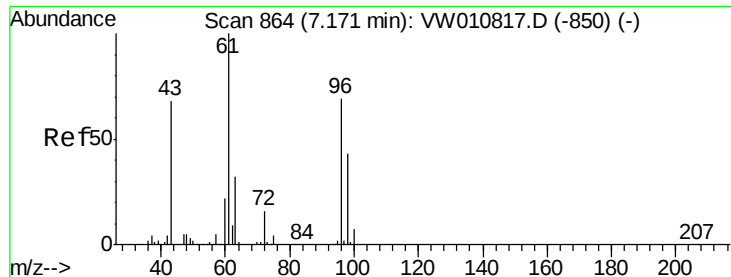
Ion Ratio Lower Upper

84 100

49 148.7 105.2 195.4

86 61.6 43.7 81.1





#21

2-Butanone

Concen: 2.022 ug/L

RT: 7.13 min Scan# 857

Delta R.T. -0.04 min

Lab File: VW010833.D

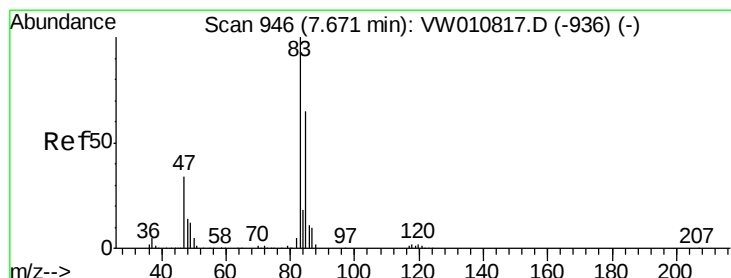
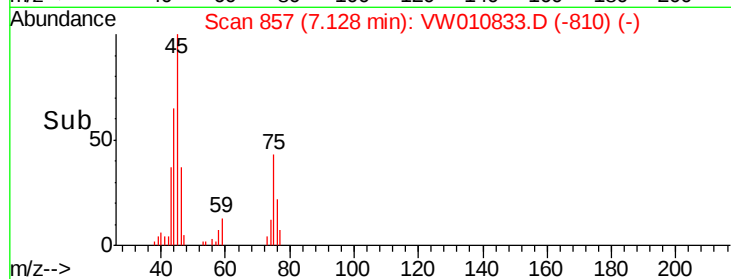
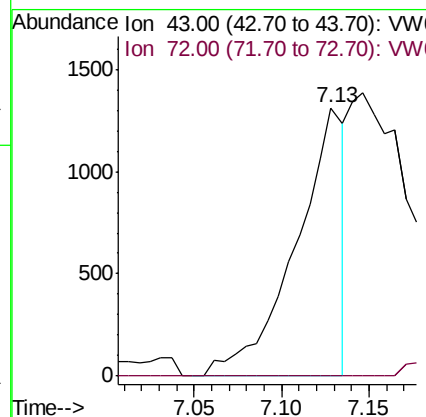
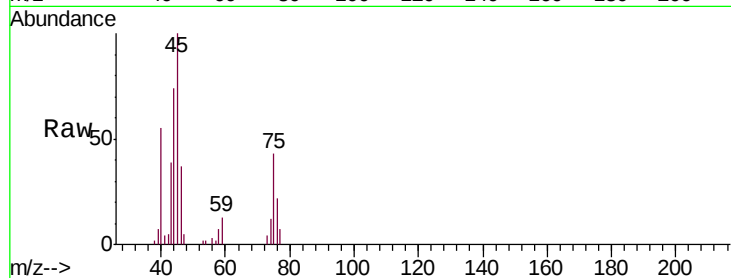
Acq: 17 Jun 2019 17:45

Tgt Ion: 43 Resp: 2535

Ion Ratio Lower Upper

43 100

72 3.4 11.0 33.0#



#25

Chloroform

Concen: 5.922 ug/L

RT: 7.68 min Scan# 947

Delta R.T. 0.01 min

Lab File: VW010833.D

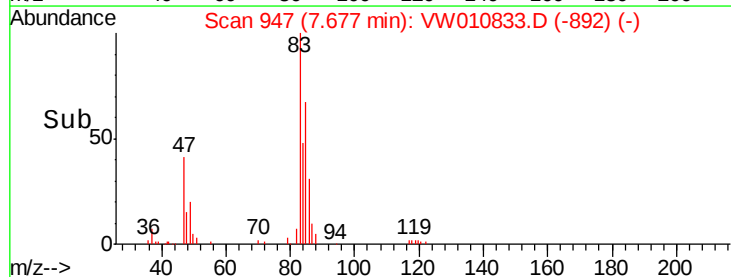
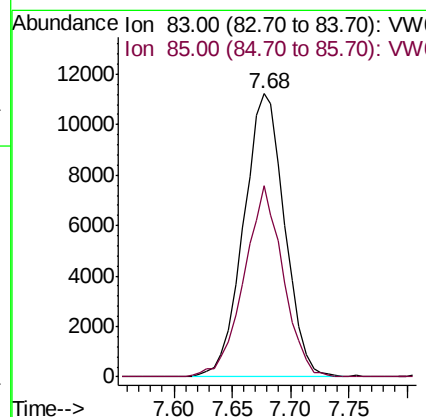
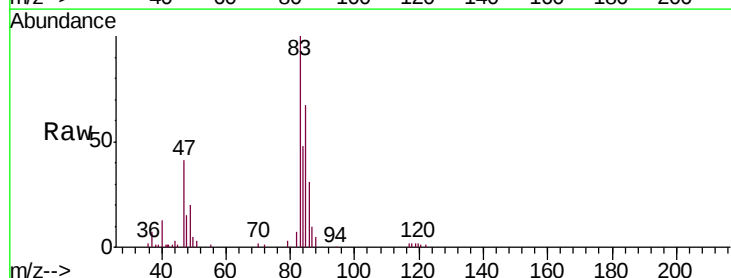
Acq: 17 Jun 2019 17:45

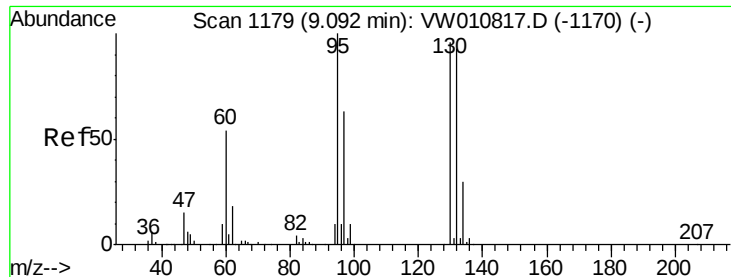
Tgt Ion: 83 Resp: 27529

Ion Ratio Lower Upper

83 100

85 64.6 45.4 84.4





#35

Trichloroethene

Concen: 11.724 ug/L

RT: 9.09 min Scan# 1179

Delta R.T. -0.00 min

Lab File: VW010833.D

Acq: 17 Jun 2019 17:45

Tgt Ion: 95 Resp: 22157

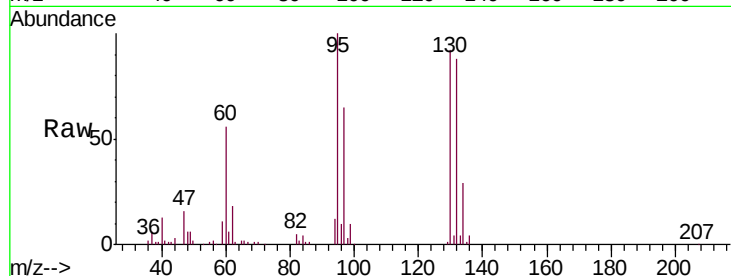
Ion	Ratio	Lower	Upper
95	100		
97	65.3	45.4	84.2
132	92.3	65.0	120.6
130	92.1	68.3	126.9

95 100

97 65.3 45.4 84.2

132 92.3 65.0 120.6

130 92.1 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

15000

10000

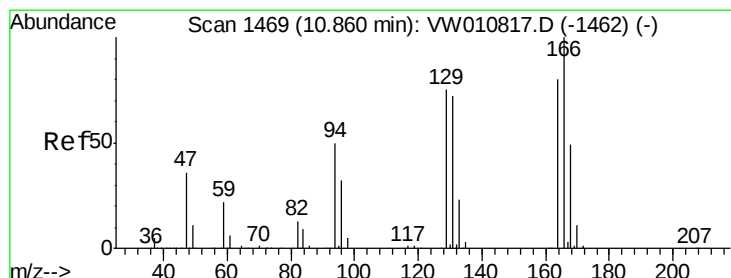
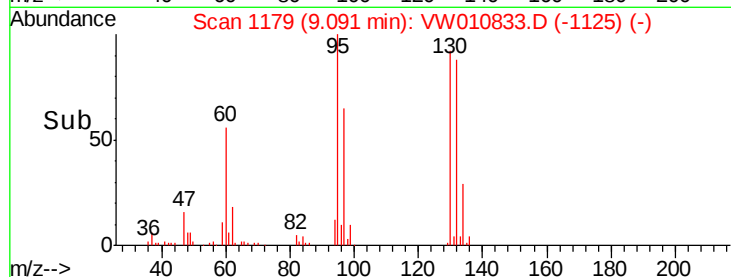
5000

0

9.09

9.00 9.05 9.10 9.15 9.20

Time-->



#47

Tetrachloroethene

Concen: 1.218 ug/L

RT: 10.87 min Scan# 1470

Delta R.T. 0.01 min

Lab File: VW010833.D

Acq: 17 Jun 2019 17:45

Tgt Ion: 164 Resp: 1725

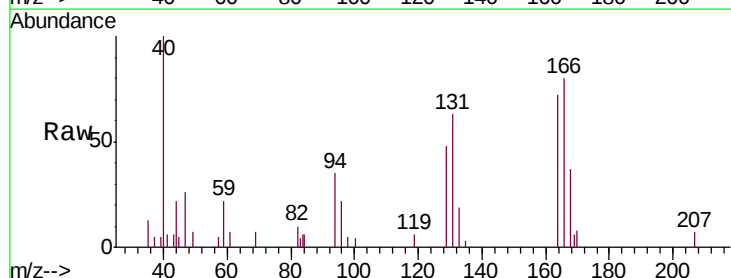
Ion	Ratio	Lower	Upper
164	100		
129	67.4	64.5	119.7
131	88.7	63.6	118.0
166	111.4	85.8	159.3

164 100

129 67.4 64.5 119.7

131 88.7 63.6 118.0

166 111.4 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

1500

1000

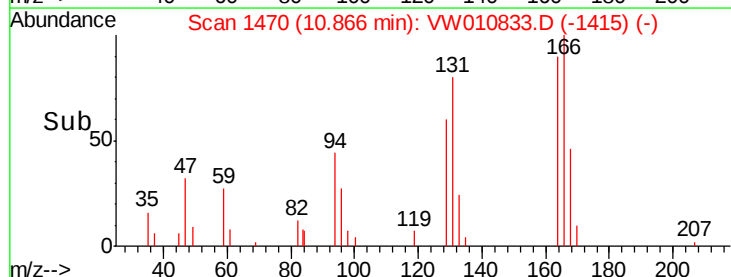
500

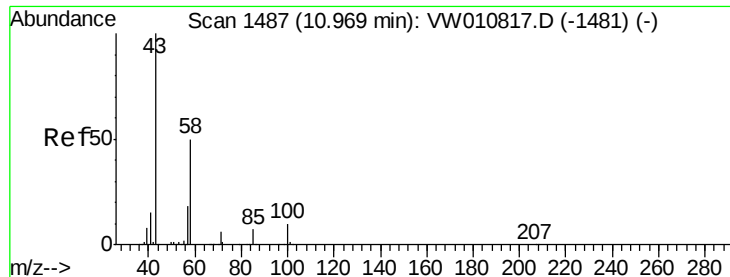
0

10.87

10.85 10.90

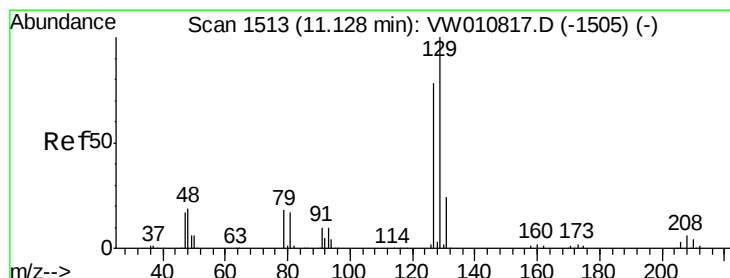
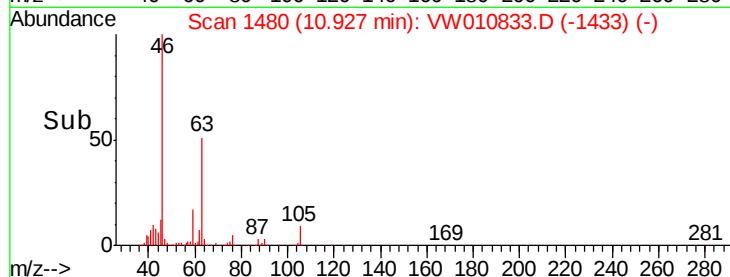
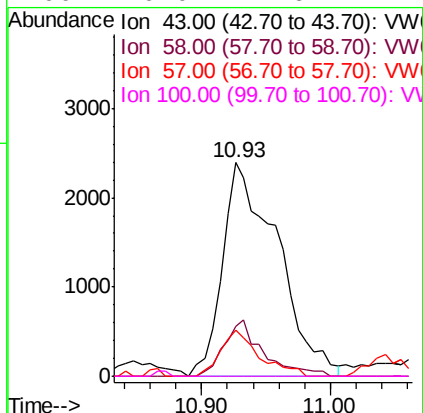
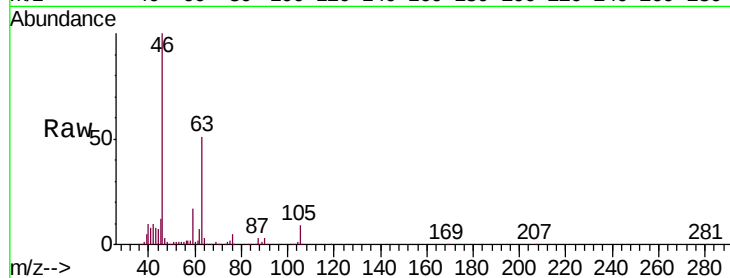
Time-->





#49
2-Hexanone
Concen: 4.855 ug/L
RT: 10.93 min Scan# 1480
Delta R.T. -0.04 min
Lab File: VW010833.D
Acq: 17 Jun 2019 17:45

Tgt Ion: 43 Resp: 7108
Ion Ratio Lower Upper
43 100
58 18.4 39.5 59.3#
57 14.8 13.8 20.8
100 0.0 7.6 11.4#



#50
Dibromochloromethane
Concen: 1.009 ug/L
RT: 10.86 min Scan# 1469
Delta R.T. -0.27 min
Lab File: VW010833.D
Acq: 17 Jun 2019 17:45

Tgt Ion: 129 Resp: 1636
Ion Ratio Lower Upper
129 100
127 0.0 53.1 98.7#

