

Data File : VW010836.D
Acq On : 17 Jun 2019 19:32
Operator : SY/VA
Sample : K3363-09
Misc : 4.22G/10ML/MSVOA_W/SOIL
ALS Vial : 1 Sample Multiplier: 1

Quant Time: Jun 18 05:54:07 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	275408	25.00	ug/L	0.00
28) Chlorobenzene-d5	11.63	117	197719	25.00	ug/L	0.00
60) 1,4-Dichlorobenzene-d4	13.56	152	54848	25.00	ug/L	0.00

System Monitoring Compounds

4) Vinyl Chloride-d3	2.34	65	58853	14.67	ug/L	0.00
Spiked Amount	25.000	Range	30 - 150	Recovery	=	58.68%
7) Chloroethane-d5	2.88	69	54325	17.86	ug/L	0.00
Spiked Amount	25.000	Range	30 - 150	Recovery	=	71.44%
10) 1,1-Dichloroethene-d2	4.01	63	99776	12.00	ug/L	0.00
Spiked Amount	25.000	Range	45 - 110	Recovery	=	48.00%
20) 2-Butanone-d5	7.08	46	58703	37.30	ug/L	0.00
Spiked Amount	50.000	Range	20 - 135	Recovery	=	74.60%
24) Chloroform-d	7.65	84	91038	16.08	ug/L	0.00
Spiked Amount	25.000	Range	40 - 150	Recovery	=	64.32%
26) 1,2-Dichloroethane-d4	8.31	65	86221	18.70	ug/L	0.00
Spiked Amount	25.000	Range	70 - 130	Recovery	=	74.80%
29) Benzene-d6	8.27	84	261869	22.18	ug/L	0.00
Spiked Amount	25.000	Range	20 - 135	Recovery	=	88.72%
33) 1,2-Dichloropropane-d6	9.27	67	93013	24.56	ug/L	0.00
Spiked Amount	25.000	Range	70 - 120	Recovery	=	98.24%
37) Toluene-d8	10.32	98	198748	18.74	ug/L	0.00
Spiked Amount	25.000	Range	30 - 130	Recovery	=	74.96%
38) trans-1,3-Dichloropropene-	10.58	79	28373	16.73	ug/L	0.00
Spiked Amount	25.000	Range	30 - 135	Recovery	=	66.92%
39) 2-Hexanone-d5	10.93	63	37897	41.88	ug/L	0.00
Spiked Amount	50.000	Range	20 - 135	Recovery	=	83.76%
48) 1,1,2,2-Tetrachloroethane-	12.69	84	69462	21.65	ug/L	0.00
Spiked Amount	25.000	Range	45 - 120	Recovery	=	86.60%
61) 1,2-Dichlorobenzene-d4	13.86	152	38641	18.51	ug/L	0.00
Spiked Amount	25.000	Range	75 - 120	Recovery	=	74.04%#

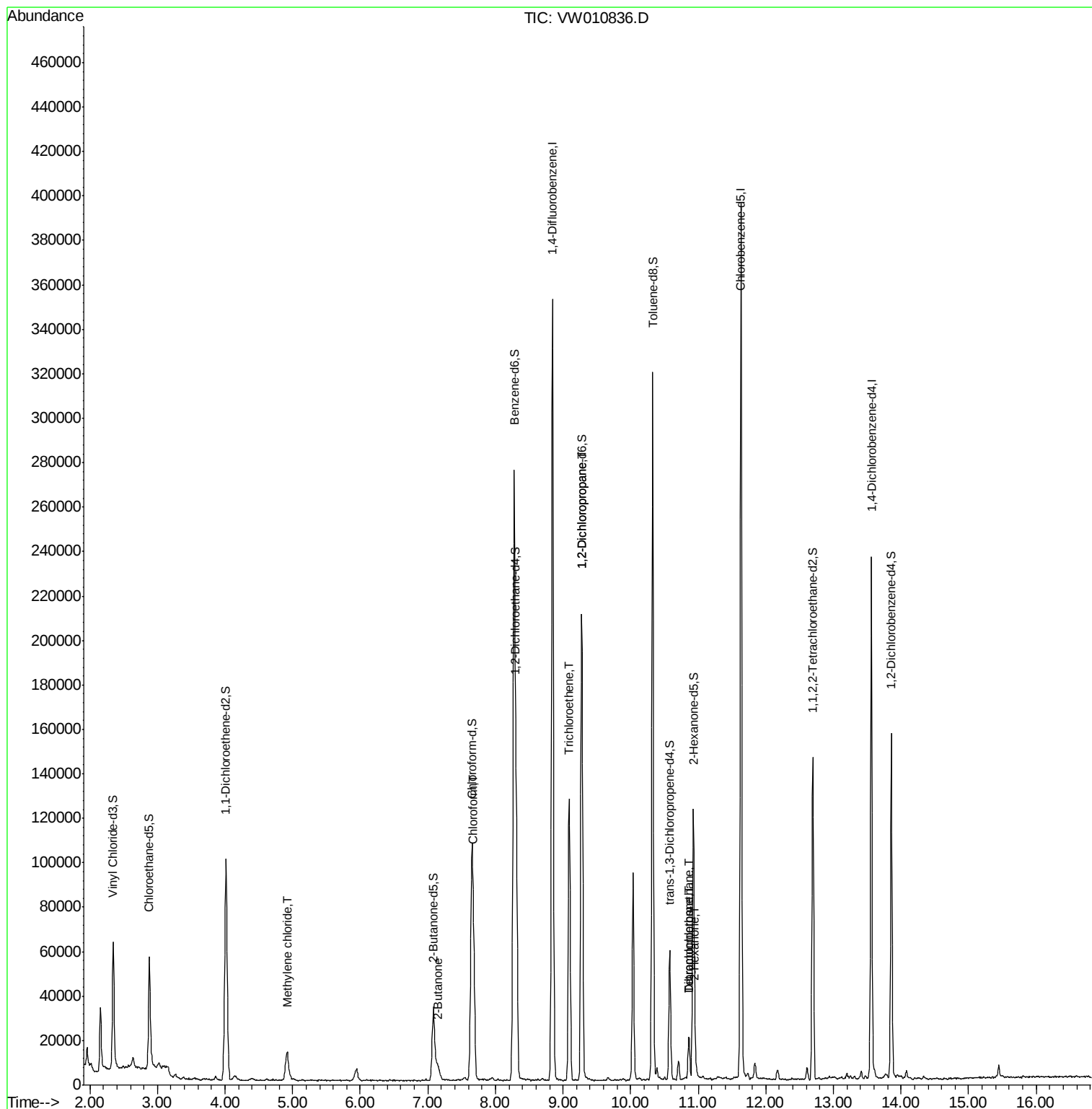
Target Compounds

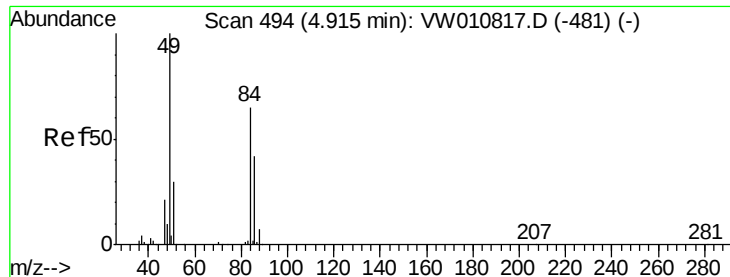
					Qvalue
16) Methylene chloride	4.92	84	8800	2.328 ug/L	95
21) 2-Butanone	7.15	43	6955	3.011 ug/L #	54
25) Chloroform	7.68	83	48417	5.654 ug/L	100
35) Trichloroethene	9.09	95	44334	14.226 ug/L	96
40) 1,2-Dichloropropane	9.27	63	10543	3.110 ug/L #	88
47) Tetrachloroethene	10.86	164	4296	1.840 ug/L	97
49) 2-Hexanone	10.96	43	5506	2.281 ug/L #	46
50) Dibromochloromethane	10.86	129	4259	1.593 ug/L #	11

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

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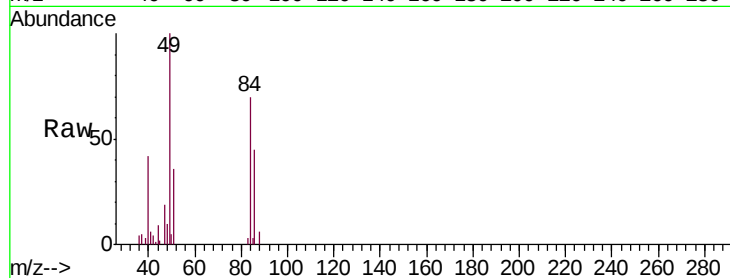
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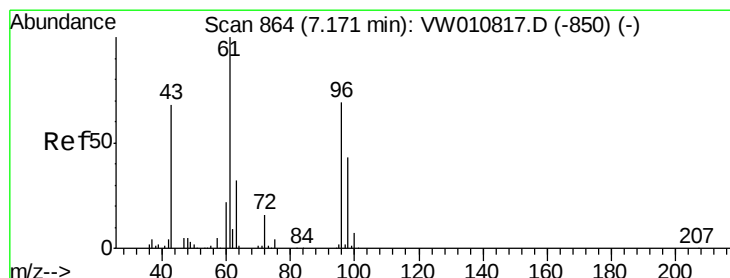
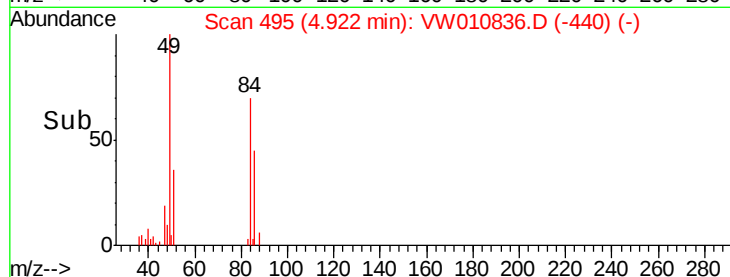
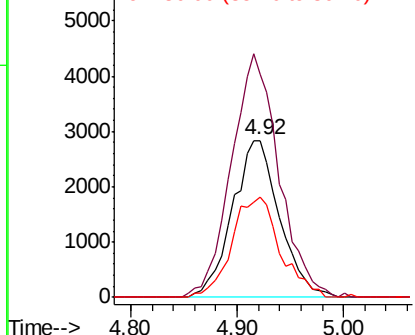


#16
Methylene chloride
Concen: 2.328 ug/L
RT: 4.92 min Scan# 495
Delta R.T. 0.01 min
Lab File: VW010836.D
Acq: 17 Jun 2019 19:32

Tgt Ion: 84 Resp: 8800
Ion Ratio Lower Upper
84 100
49 142.9 105.2 195.4
86 64.1 43.7 81.1

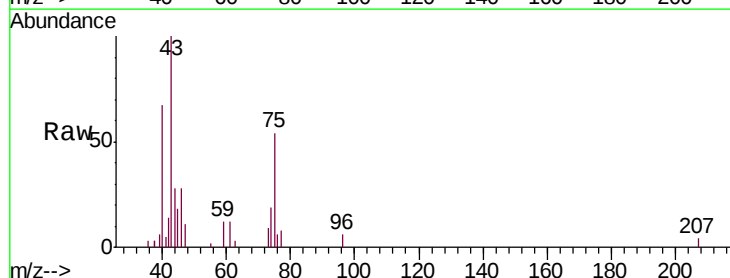


Abundance Ion 84.00 (83.70 to 84.70): VW
Ion 49.00 (48.70 to 49.70): VW
Ion 86.00 (85.70 to 86.70): VW

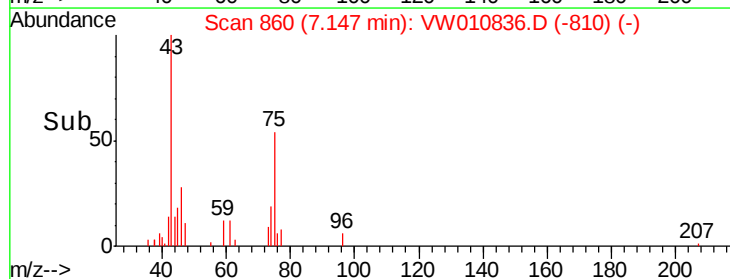
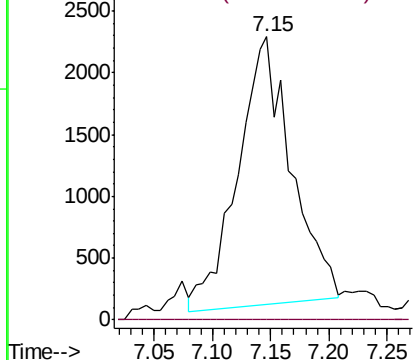


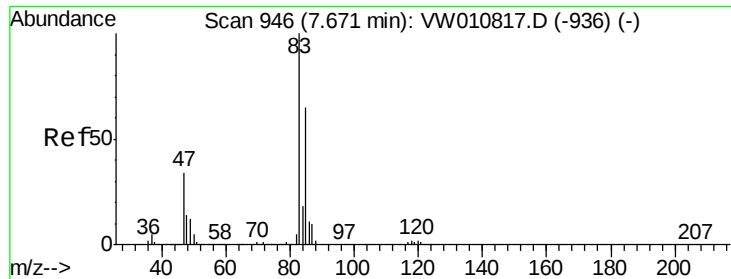
#21
2-Butanone
Concen: 3.011 ug/L
RT: 7.15 min Scan# 860
Delta R.T. -0.02 min
Lab File: VW010836.D
Acq: 17 Jun 2019 19:32

Tgt Ion: 43 Resp: 6955
Ion Ratio Lower Upper
43 100
72 0.0 11.0 33.0#



Abundance Ion 43.00 (42.70 to 43.70): VW
Ion 72.00 (71.70 to 72.70): VW





#25

Chloroform

Concen: 5.654 ug/L

RT: 7.68 min Scan# 947

Delta R.T. 0.01 min

Lab File: VW010836.D

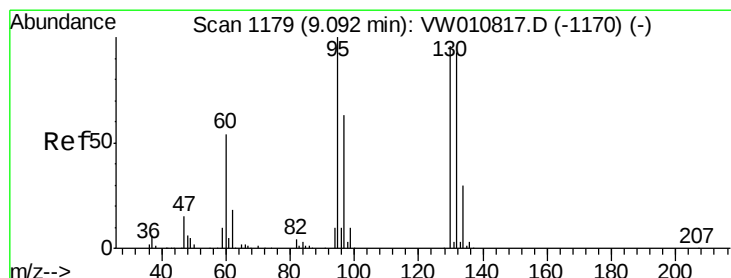
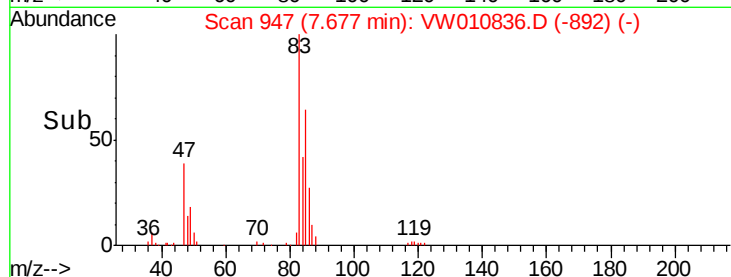
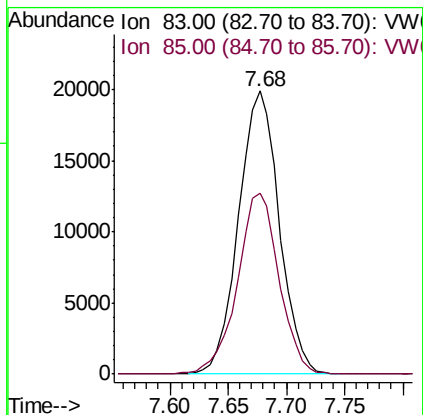
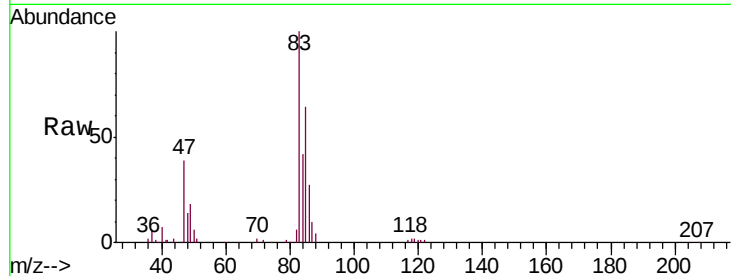
Acq: 17 Jun 2019 19:32

Tgt Ion: 83 Resp: 48417

Ion Ratio Lower Upper

83 100

85 65.2 45.4 84.4



#35

Trichloroethene

Concen: 14.226 ug/L

RT: 9.09 min Scan# 1179

Delta R.T. -0.00 min

Lab File: VW010836.D

Acq: 17 Jun 2019 19:32

Tgt Ion: 95 Resp: 44334

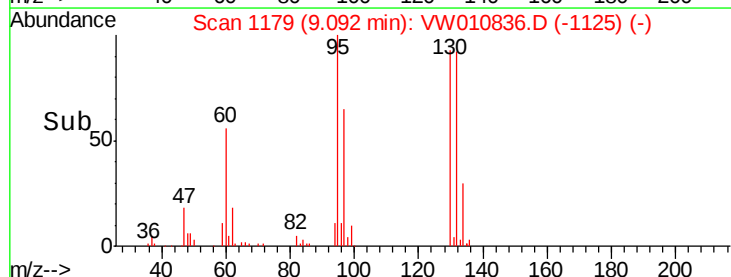
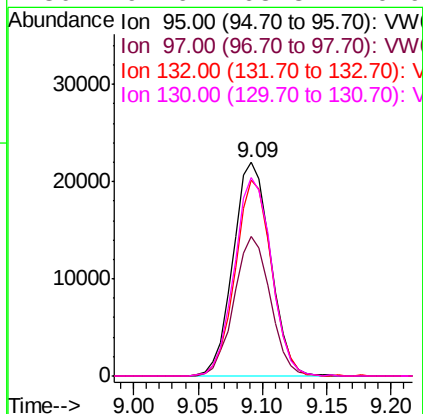
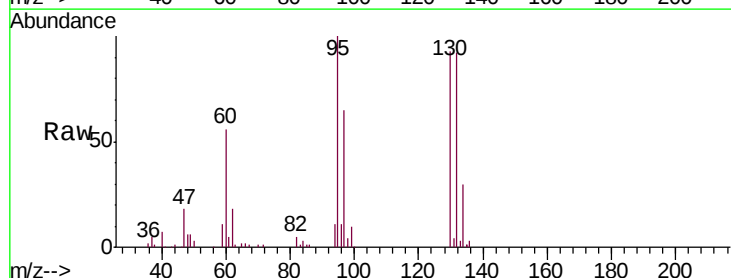
Ion Ratio Lower Upper

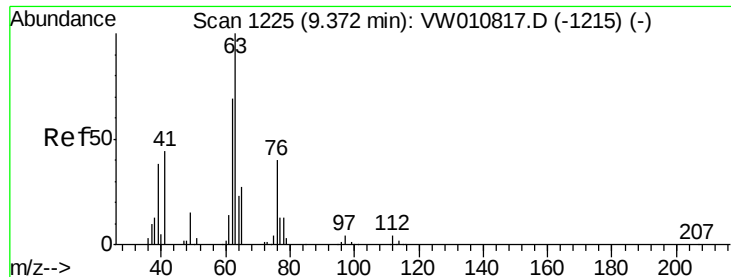
95 100

97 63.2 45.4 84.2

132 88.7 65.0 120.6

130 91.6 68.3 126.9





#40

1,2-Dichloropropane

Concen: 3.110 ug/L

RT: 9.27 min Scan# 1209

Delta R.T. -0.10 min

Lab File: VW010836.D

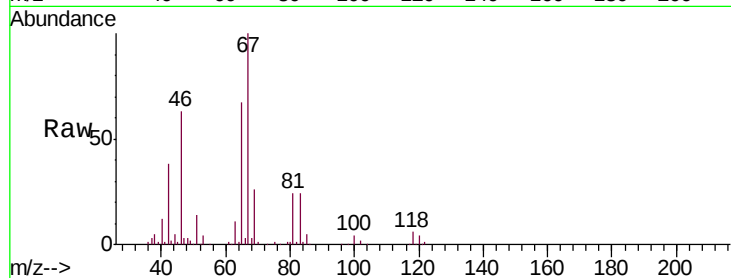
Acq: 17 Jun 2019 19:32

Tgt Ion: 63 Resp: 10543

Ion Ratio Lower Upper

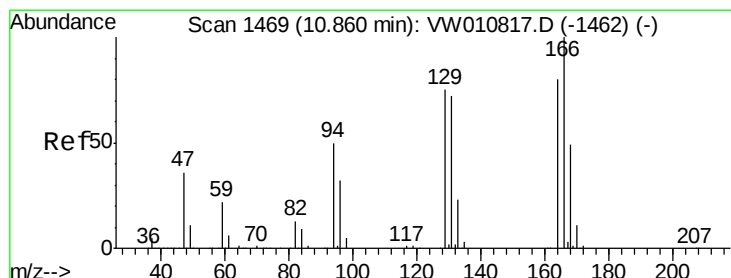
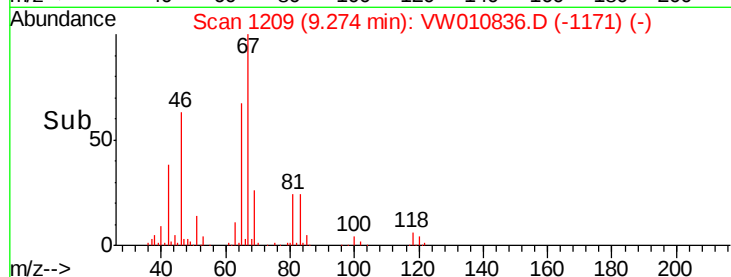
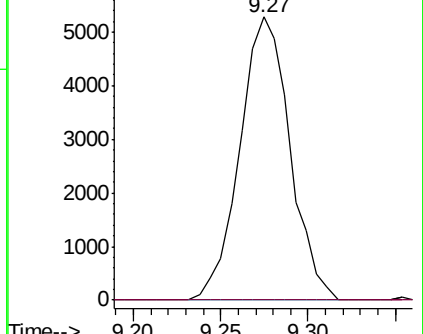
63 100

112 0.0 3.1 4.7#



Abundance Ion 63.00 (62.70 to 63.70): VW

Ion 112.00 (111.70 to 112.70): V



#47

Tetrachloroethene

Concen: 1.840 ug/L

RT: 10.86 min Scan# 1469

Delta R.T. -0.00 min

Lab File: VW010836.D

Acq: 17 Jun 2019 19:32

Tgt Ion: 164 Resp: 4296

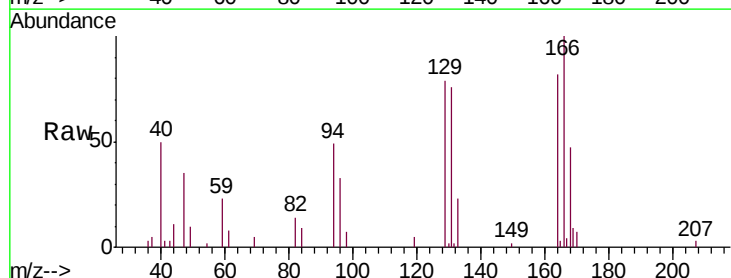
Ion Ratio Lower Upper

164 100

129 95.2 64.5 119.7

131 94.8 63.6 118.0

166 121.2 85.8 159.3

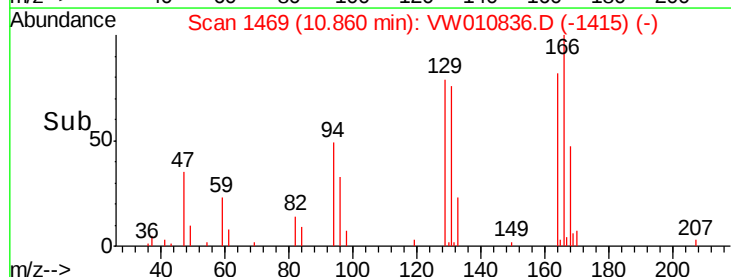
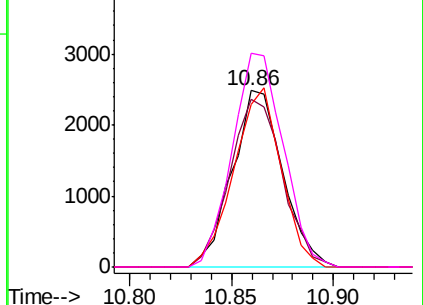


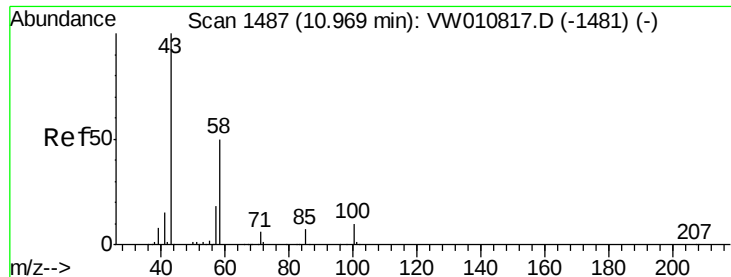
Abundance Ion 164.00 (163.70 to 164.70): V

Ion 129.00 (128.70 to 129.70): V

Ion 131.00 (130.70 to 131.70): V

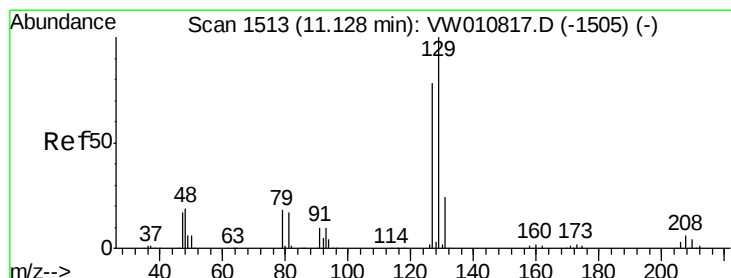
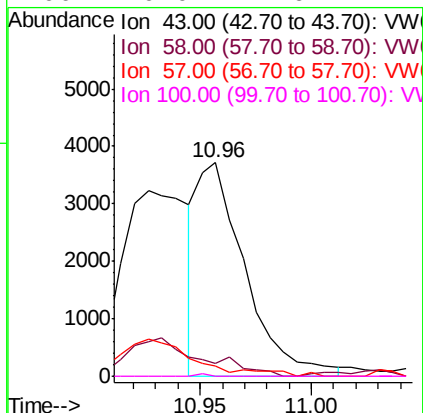
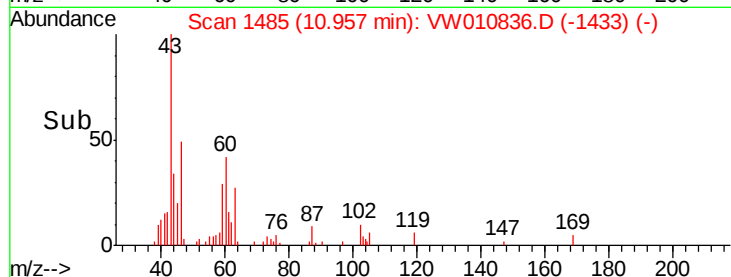
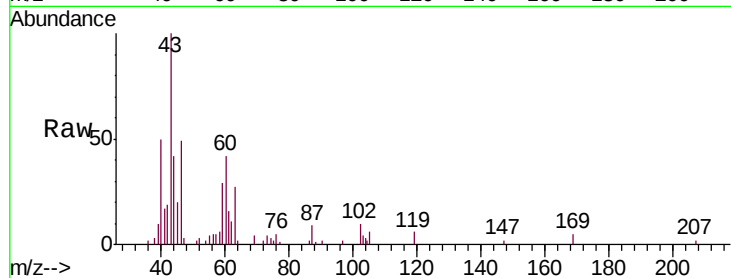
Ion 166.00 (165.70 to 166.70): V





#49
2-Hexanone
Concen: 2.281 ug/L
RT: 10.96 min Scan# 1485
Delta R.T. -0.01 min
Lab File: VW010836.D
Acq: 17 Jun 2019 19:32

Tgt Ion: 43 Resp: 5506
Ion Ratio Lower Upper
43 100
58 4.4 39.5 59.3#
57 2.1 13.8 20.8#
100 0.0 7.6 11.4#



#50
Dibromochloromethane
Concen: 1.593 ug/L
RT: 10.86 min Scan# 1469
Delta R.T. -0.27 min
Lab File: VW010836.D
Acq: 17 Jun 2019 19:32

Tgt Ion: 129 Resp: 4259
Ion Ratio Lower Upper
129 100
127 0.0 53.1 98.7#

