

Data Path : Z:\VOASRV\HPCHEM1\MSVOA W\DATA\VW081720\
 Data File : VW016212.D
 Acq On : 17 Aug 2020 12:51
 Operator : SY/VA
 Sample : L3702-05
 Misc : 6.60G/10ML/MSVOA W/SOIL
 ALS Vial : 10 Sample Multiplier: 1

Instrument :
 MSVOA_W
 ClientSampleId :
 BFSK8

Quant Time: Aug 18 03:54:19 2020
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_W\METHOD\SOM2WLM081020S.M
 Quant Title : VOC Analysis
 QLast Update : Tue Aug 18 03:20:41 2020
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Difluorobenzene	8.85	114	408458	25.00	ug/L	0.00
28) Chlorobenzene-d5	11.63	117	363547	25.00	ug/L	0.00
60) 1,4-Dichlorobenzene-d4	13.57	152	138216	25.00	ug/L	0.00

System Monitoring Compounds

4) Vinyl Chloride-d3	2.35	65	95087	18.78	ug/L	-0.01
Spiked Amount	25.000	Range	30 - 150	Recovery	=	75.12%
7) Chloroethane-d5	2.90	69	75371	19.61	ug/L	0.00
Spiked Amount	25.000	Range	30 - 150	Recovery	=	78.44%
10) 1,1-Dichloroethene-d2	4.01	63	162208	15.08	ug/L	0.00
Spiked Amount	25.000	Range	45 - 110	Recovery	=	60.32%
20) 2-Butanone-d5	7.08	46	43330	32.52	ug/L	0.00
Spiked Amount	50.000	Range	20 - 135	Recovery	=	65.04%
24) Chloroform-d	7.65	84	225612	20.58	ug/L	0.00
Spiked Amount	25.000	Range	40 - 150	Recovery	=	82.32%
26) 1,2-Dichloroethane-d4	8.31	65	107397	18.45	ug/L	0.00
Spiked Amount	25.000	Range	70 - 130	Recovery	=	73.80%
29) Benzene-d6	8.28	84	451917	22.85	ug/L	0.00
Spiked Amount	25.000	Range	20 - 135	Recovery	=	91.40%
33) 1,2-Dichloropropane-d6	9.28	67	130492	22.44	ug/L	0.00
Spiked Amount	25.000	Range	70 - 120	Recovery	=	89.76%
37) Toluene-d8	10.33	98	403386	22.24	ug/L	0.00
Spiked Amount	25.000	Range	30 - 130	Recovery	=	88.96%
38) trans-1,3-Dichloropropene-	10.58	79	50896	19.47	ug/L	0.00
Spiked Amount	25.000	Range	30 - 135	Recovery	=	77.88%
39) 2-Hexanone-d5	10.93	63	38374	38.25	ug/L	0.00
Spiked Amount	50.000	Range	20 - 135	Recovery	=	76.50%
48) 1,1,2,2-Tetrachloroethane-	12.69	84	91782	19.39	ug/L	0.00
Spiked Amount	25.000	Range	45 - 120	Recovery	=	77.56%
61) 1,2-Dichlorobenzene-d4	13.85	152	119623	24.42	ug/L	0.00
Spiked Amount	25.000	Range	75 - 120	Recovery	=	97.68%

Target Compounds

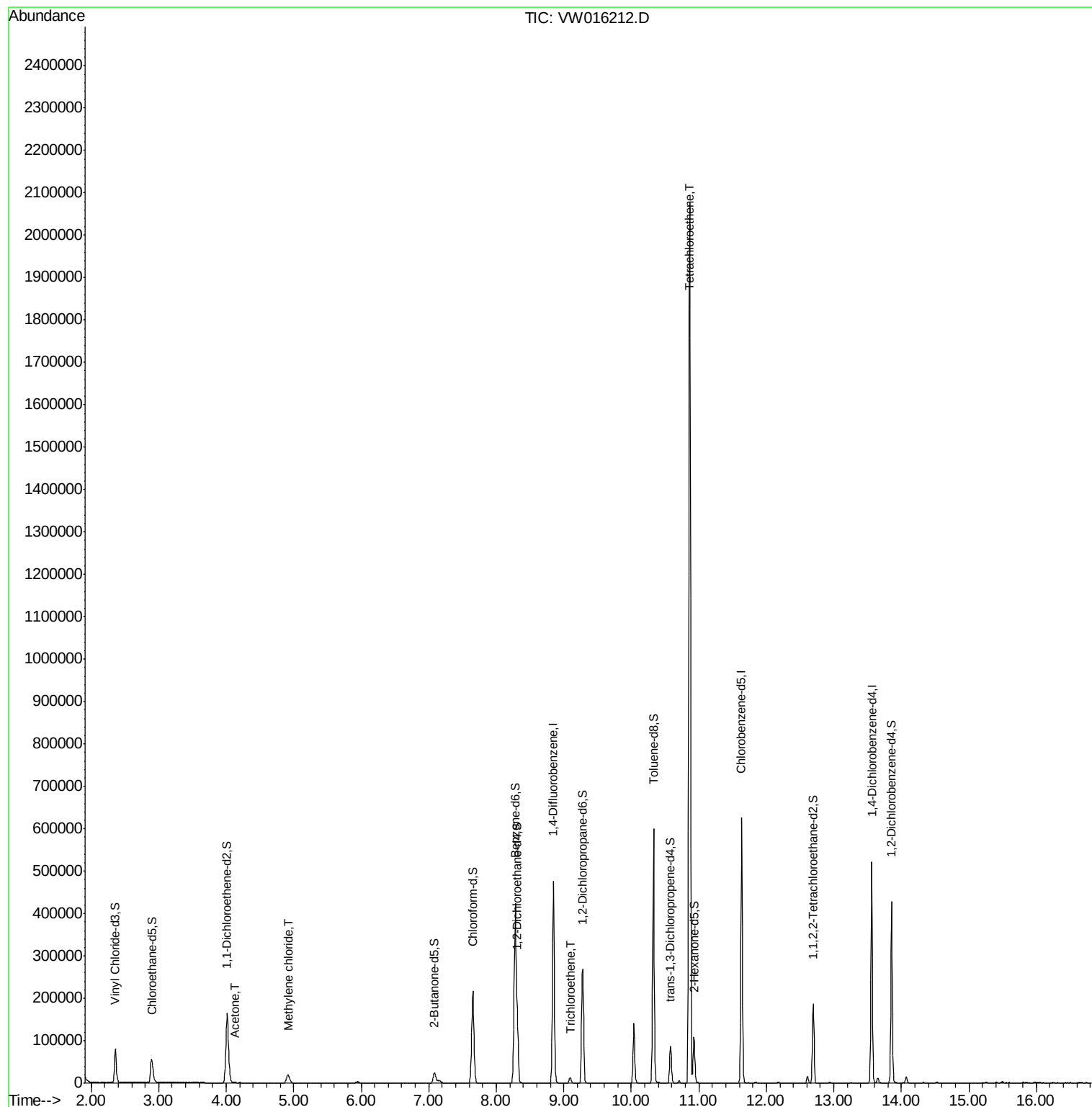
					Ovalue
13) Acetone	4.12	43	3093	3.068 ug/L	90
16) Methylene chloride	4.92	84	16630	2.578 ug/L	94
35) Trichloroethene	9.10	95	4457	0.791 ug/L	98
47) Tetrachloroethene	10.87	164	474848	112.363 ug/L	95

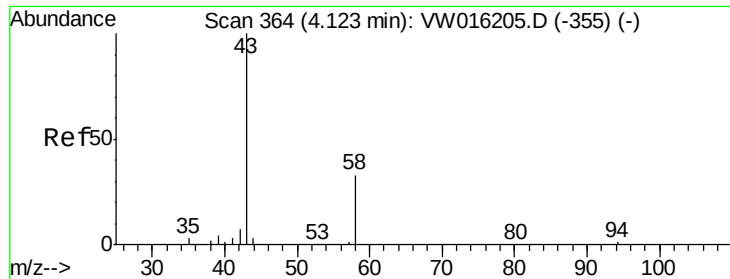
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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#13

Acetone

Concen: 3.068 ug/L

RT: 4.12 min Scan# 364

Delta R.T. -0.00 min

Lab File: VW016212.D

Acq: 17 Aug 2020 12:51

Instrument :

MSVOA_W

ClientSampled :

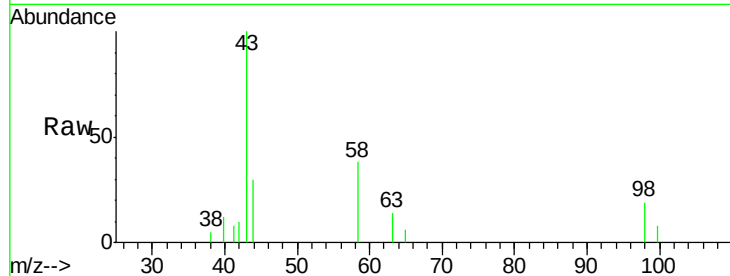
BFSK8

Tot Ion: 43 Resp: 3093

Ion Ratio Lower Upper

43 100

58 24.2 0.0 59.4



Abundance Ion 43.00 (42.70 to 43.70): VW

Ion 58.00 (57.70 to 58.70): VW

4.12

1200

1000

800

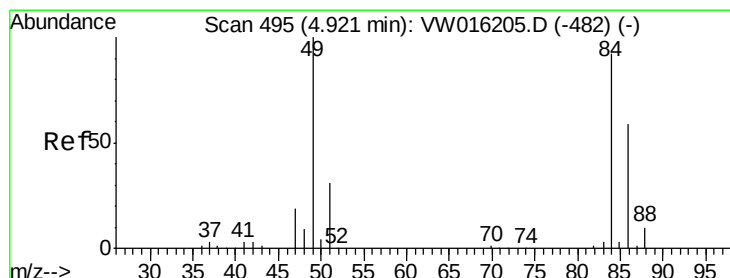
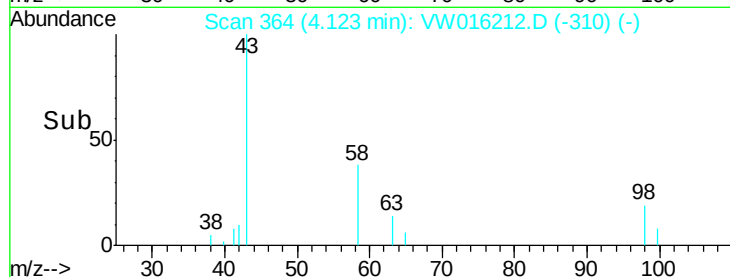
600

400

200

0

Time--> 4.05 4.10 4.15 4.20



#16

Methylene chloride

Concen: 2.578 ug/L

RT: 4.92 min Scan# 494

Delta R.T. -0.01 min

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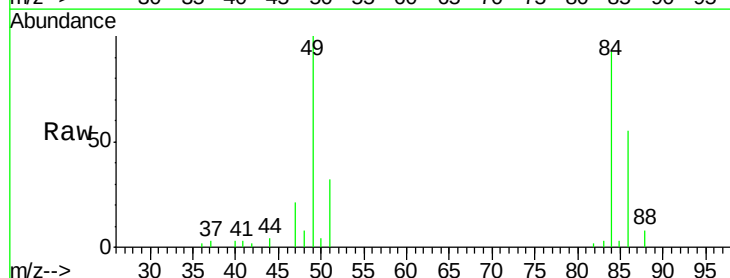
Tgt Ion: 84 Resp: 16630

Ion Ratio Lower Upper

84 100

49 107.8 80.4 149.4

86 59.6 43.8 81.3



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

4.92

8000

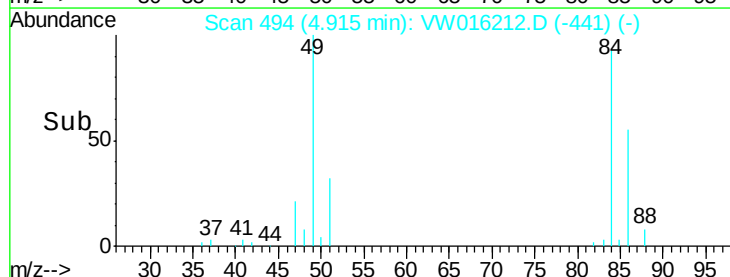
6000

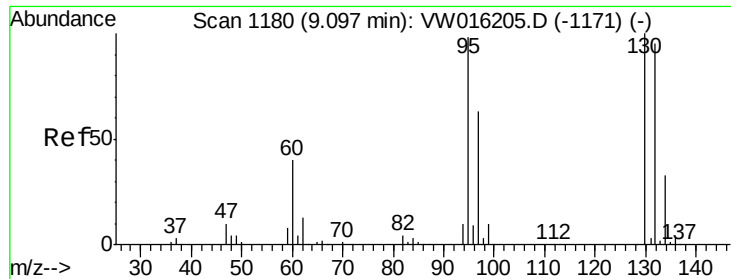
4000

2000

0

Time--> 4.80 4.90 5.00





#35

Trichloroethene

Concen: 0.791 ug/L

RT: 9.10 min Scan# 1180

Delta R.T. -0.00 min

Lab File: VW016212.D

Acq: 17 Aug 2020 12:51

Instrument :

MSVOA_W

ClientSampleId :

BFSK8

Tot Ion: 95 Resp: 4457

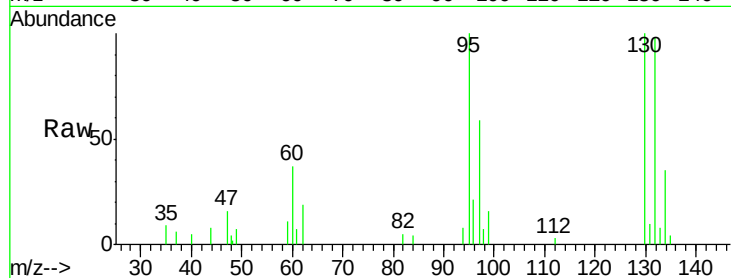
Ion Ratio Lower Upper

95 100

97 59.5 44.9 83.3

132 96.1 65.8 122.2

130 98.7 69.5 129.1



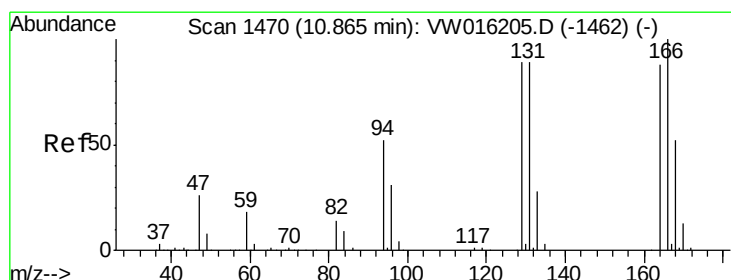
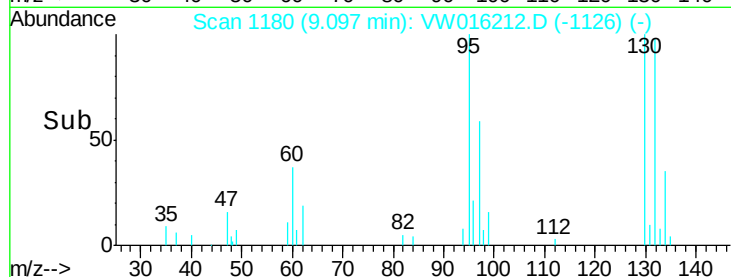
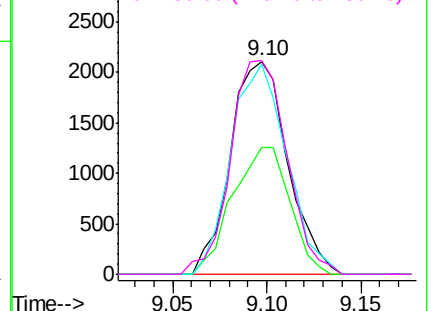
Abundance

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



#47

Tetrachloroethene

Concen: 112.363 ug/L

RT: 10.87 min Scan# 1470

Delta R.T. -0.00 min

Lab File: VW016212.D

Acq: 17 Aug 2020 12:51

Tgt Ion:164 Resp: 474848

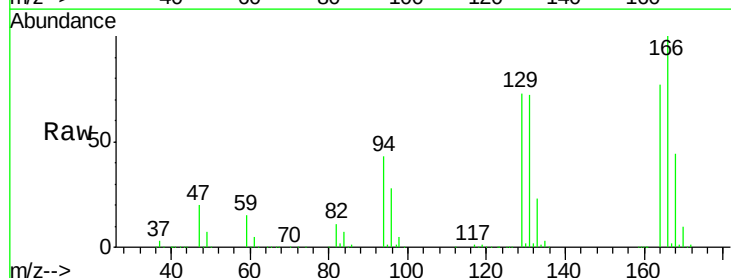
Ion Ratio Lower Upper

164 100

129 95.7 71.5 132.9

131 94.7 65.4 121.4

166 130.7 86.9 161.5



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

