

Data Path : Z:\VOASRV\HPCHEM1\MSVOA W\DATA\VW082420\
 Data File : VW016332.D
 Acq On : 24 Aug 2020 15:54
 Operator : SY/VA
 Sample : L3782-07
 Misc : 4.14G/10ML/MSVOA W/SOIL
 ALS Vial : 16 Sample Multiplier: 1

Instrument :
 MSVOA_W
 ClientSampleId :
 BFSK4

Quant Time: Aug 25 15:11:18 2020
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_W\METHOD\SOM2WLM082420S.M
 Quant Title : VOC Analysis
 QLast Update : Tue Aug 25 15:01:07 2020
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Difluorobenzene	8.84	114	339789	25.00	ug/L	0.00
28) Chlorobenzene-d5	11.63	117	305945	25.00	ug/L	0.00
60) 1,4-Dichlorobenzene-d4	13.56	152	136812	25.00	ug/L	0.00

System Monitoring Compounds

4) Vinyl Chloride-d3	2.35	65	55198	15.21	ug/L	0.00
Spiked Amount	25.000	Range	30 - 150	Recovery	=	60.84%
7) Chloroethane-d5	2.89	69	47890	17.39	ug/L	0.00
Spiked Amount	25.000	Range	30 - 150	Recovery	=	69.56%
10) 1,1-Dichloroethene-d2	4.01	63	109426	12.70	ug/L	-0.01
Spiked Amount	25.000	Range	45 - 110	Recovery	=	50.80%
20) 2-Butanone-d5	7.08	46	39622	38.40	ug/L	0.00
Spiked Amount	50.000	Range	20 - 135	Recovery	=	76.80%
24) Chloroform-d	7.65	84	180777	20.41	ug/L	0.00
Spiked Amount	25.000	Range	40 - 150	Recovery	=	81.64%
26) 1,2-Dichloroethane-d4	8.31	65	91380	20.02	ug/L	0.00
Spiked Amount	25.000	Range	70 - 130	Recovery	=	80.08%
29) Benzene-d6	8.27	84	335230	19.63	ug/L	0.00
Spiked Amount	25.000	Range	20 - 135	Recovery	=	78.52%
33) 1,2-Dichloropropane-d6	9.27	67	100877	21.34	ug/L	0.00
Spiked Amount	25.000	Range	70 - 120	Recovery	=	85.36%
37) Toluene-d8	10.32	98	309359	19.20	ug/L	0.00
Spiked Amount	25.000	Range	30 - 130	Recovery	=	76.80%
38) trans-1,3-Dichloropropene-	10.58	79	42913	18.81	ug/L	0.00
Spiked Amount	25.000	Range	30 - 135	Recovery	=	75.24%
39) 2-Hexanone-d5	10.93	63	34287	45.28	ug/L	0.00
Spiked Amount	50.000	Range	20 - 135	Recovery	=	90.56%
48) 1,1,2,2-Tetrachloroethane-	12.69	84	84337	21.44	ug/L	0.00
Spiked Amount	25.000	Range	45 - 120	Recovery	=	85.76%
61) 1,2-Dichlorobenzene-d4	13.86	152	113238	21.59	ug/L	0.00
Spiked Amount	25.000	Range	75 - 120	Recovery	=	86.36%

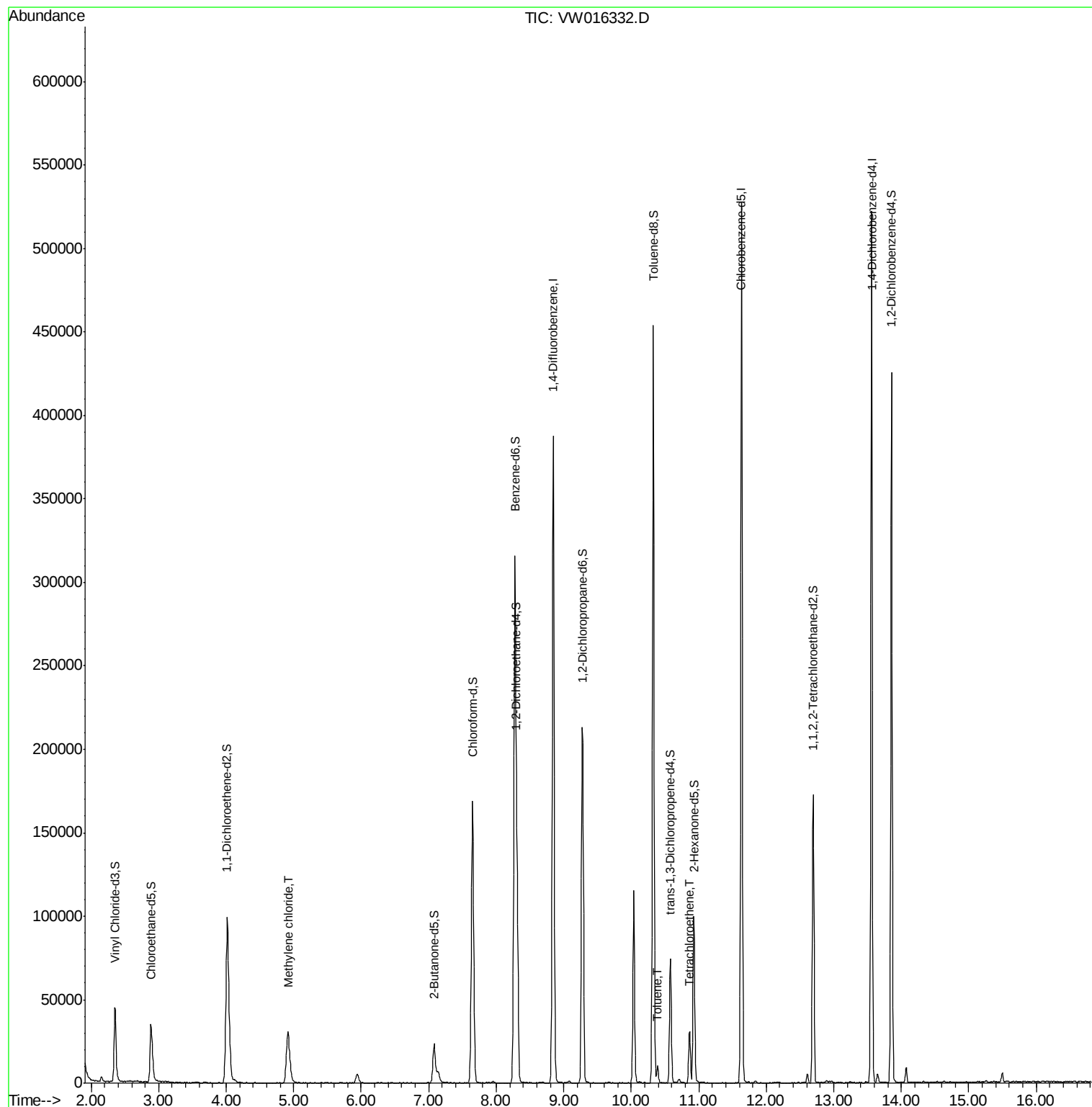
Target Compounds					Ovalue
16) Methylene chloride	4.91	84	28812	4.587 ug/L	96
44) Toluene	10.39	91	7787	0.407 ug/L	93
47) Tetrachloroethene	10.86	164	7044	1.798 ug/L	89

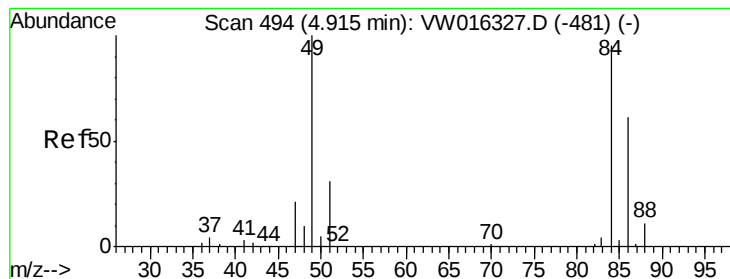
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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#16

Methylene chloride

Concen: 4.587 ug/L

RT: 4.91 min Scan# 493

Delta R.T. -0.01 min

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Instrument :

MSVOA_W

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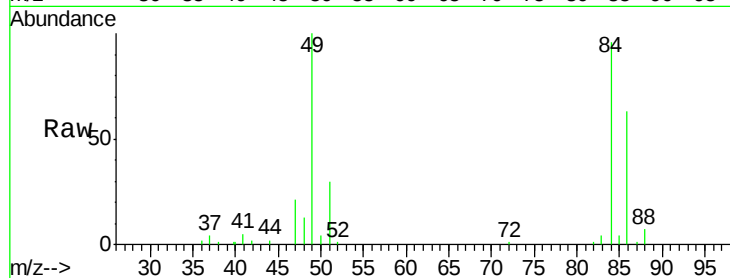
Tot Ion: 84 Resp: 28812

Ion Ratio Lower Upper

84 100

49 103.6 75.3 139.9

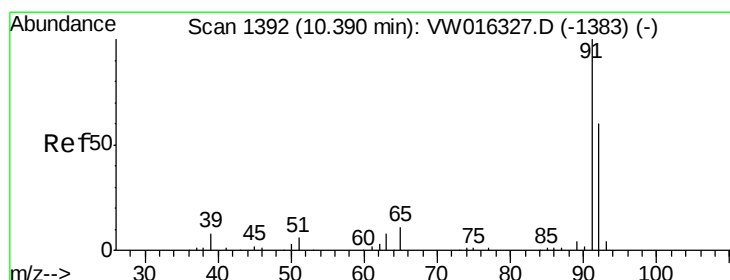
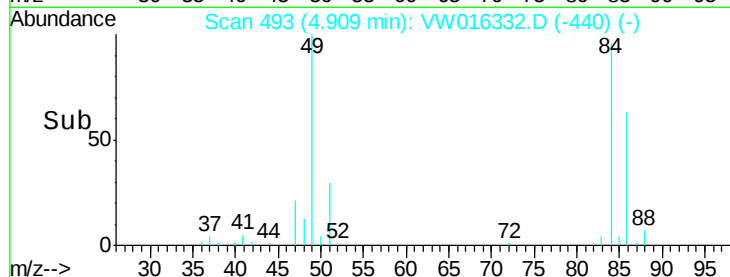
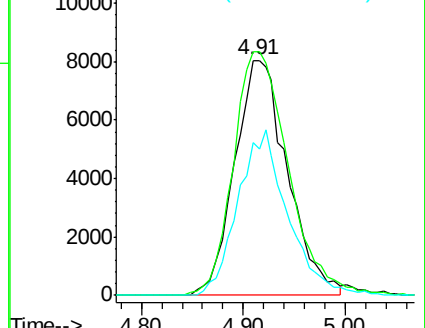
86 65.2 43.3 80.3



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



#44

Toluene

Concen: 0.407 ug/L

RT: 10.39 min Scan# 1392

Delta R.T. 0.00 min

Lab File: VW016332.D

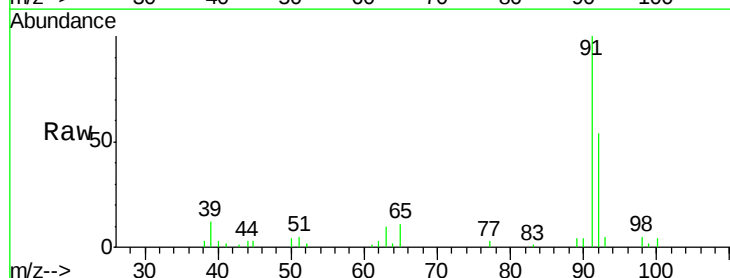
Acq: 24 Aug 2020 15:54

Tgt Ion: 91 Resp: 7787

Ion Ratio Lower Upper

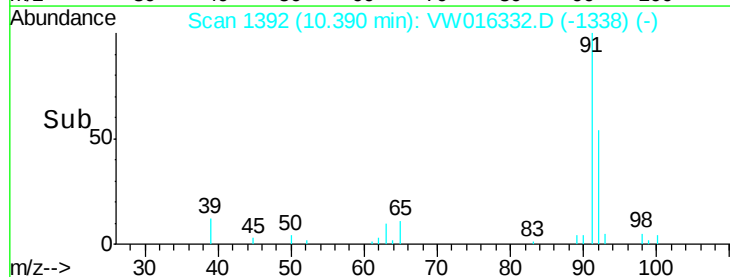
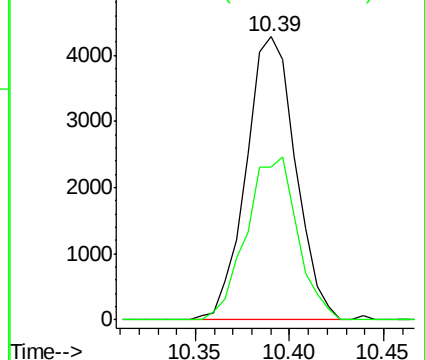
91 100

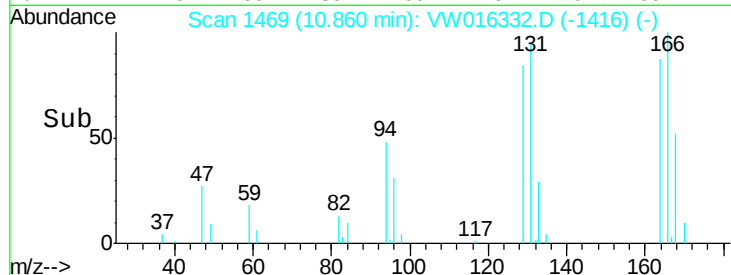
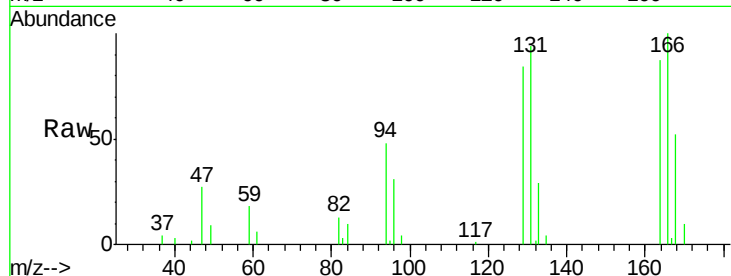
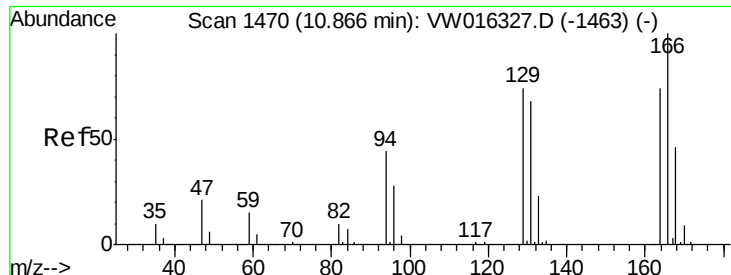
92 54.1 41.5 77.1



Abundance Ion 91.00 (90.70 to 91.70): VW

Ion 92.00 (91.70 to 92.70): VW





#47

Tetrachloroethene

Concen: 1.798 ug/L

RT: 10.86 min Scan# 1469

Delta R.T. -0.01 min

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Tot Ion:164 Resp: 7044

Ion Ratio Lower Upper

164 100

129 96.3 71.5 132.7

131 107.7 67.4 125.2

166 115.1 92.5 171.9

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

