

Data Path : Z:\VOASRV\HPCHEM1\MSVOA V\DATA\VV030719\
 Data File : VV009533.D
 Acq On : 07 Mar 2019 16:59
 Operator : SY/MD
 Sample : K1789-04
 Misc : 6.98G/10ML/MSVOA V/SOIL
 ALS Vial : 1 Sample Multiplier: 1

Instrument :
 MSVOA_V
 ClientSampleId :
 BF0P0

Quant Time: Mar 08 04:48:36 2019
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_V\METHOD\SOM2VLM030519S.M
 Quant Title : VOC Analysis
 QLast Update : Fri Mar 08 03:01:51 2019
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Difluorobenzene	5.66	114	143103	25.00	ug/L	0.00
28) Chlorobenzene-d5	8.90	117	142736	25.00	ug/L	0.00
60) 1,4-Dichlorobenzene-d4	11.30	152	63852	25.00	ug/L	0.00

System Monitoring Compounds

4) Vinyl Chloride-d3	1.32	65	35715	20.73	ug/L	0.00
Spiked Amount	25.000	Range	30 - 150	Recovery	=	82.92%
7) Chloroethane-d5	1.57	69	38889	15.61	ug/L	0.00
Spiked Amount	25.000	Range	30 - 150	Recovery	=	62.44%
10) 1,1-Dichloroethene-d2	2.12	63	81253	18.13	ug/L	0.00
Spiked Amount	25.000	Range	45 - 110	Recovery	=	72.52%
20) 2-Butanone-d5	3.93	46	31104	52.99	ug/L	-0.01
Spiked Amount	50.000	Range	20 - 135	Recovery	=	105.98%
24) Chloroform-d	4.40	84	71292	20.91	ug/L	0.00
Spiked Amount	25.000	Range	40 - 150	Recovery	=	83.64%
26) 1,2-Dichloroethane-d4	5.08	65	54374	28.04	ug/L	0.00
Spiked Amount	25.000	Range	70 - 130	Recovery	=	112.16%
29) Benzene-d6	5.10	84	177460	25.10	ug/L	0.00
Spiked Amount	25.000	Range	20 - 135	Recovery	=	100.40%
33) 1,2-Dichloropropane-d6	6.12	67	56419	27.04	ug/L	0.00
Spiked Amount	25.000	Range	70 - 120	Recovery	=	108.16%
37) Toluene-d8	7.36	98	169731	24.63	ug/L	0.00
Spiked Amount	25.000	Range	30 - 130	Recovery	=	98.52%
38) trans-1,3-Dichloropropene-	7.66	79	23354	23.10	ug/L	0.00
Spiked Amount	25.000	Range	30 - 135	Recovery	=	92.40%
39) 2-Hexanone-d5	8.13	63	22114	45.42	ug/L	0.00
Spiked Amount	50.000	Range	20 - 135	Recovery	=	90.84%
48) 1,1,2,2-Tetrachloroethane-	10.26	84	56233	25.29	ug/L	0.00
Spiked Amount	25.000	Range	45 - 120	Recovery	=	101.16%
61) 1,2-Dichlorobenzene-d4	11.67	152	59605	25.57	ug/L	0.00
Spiked Amount	25.000	Range	75 - 120	Recovery	=	102.28%

Target Compounds

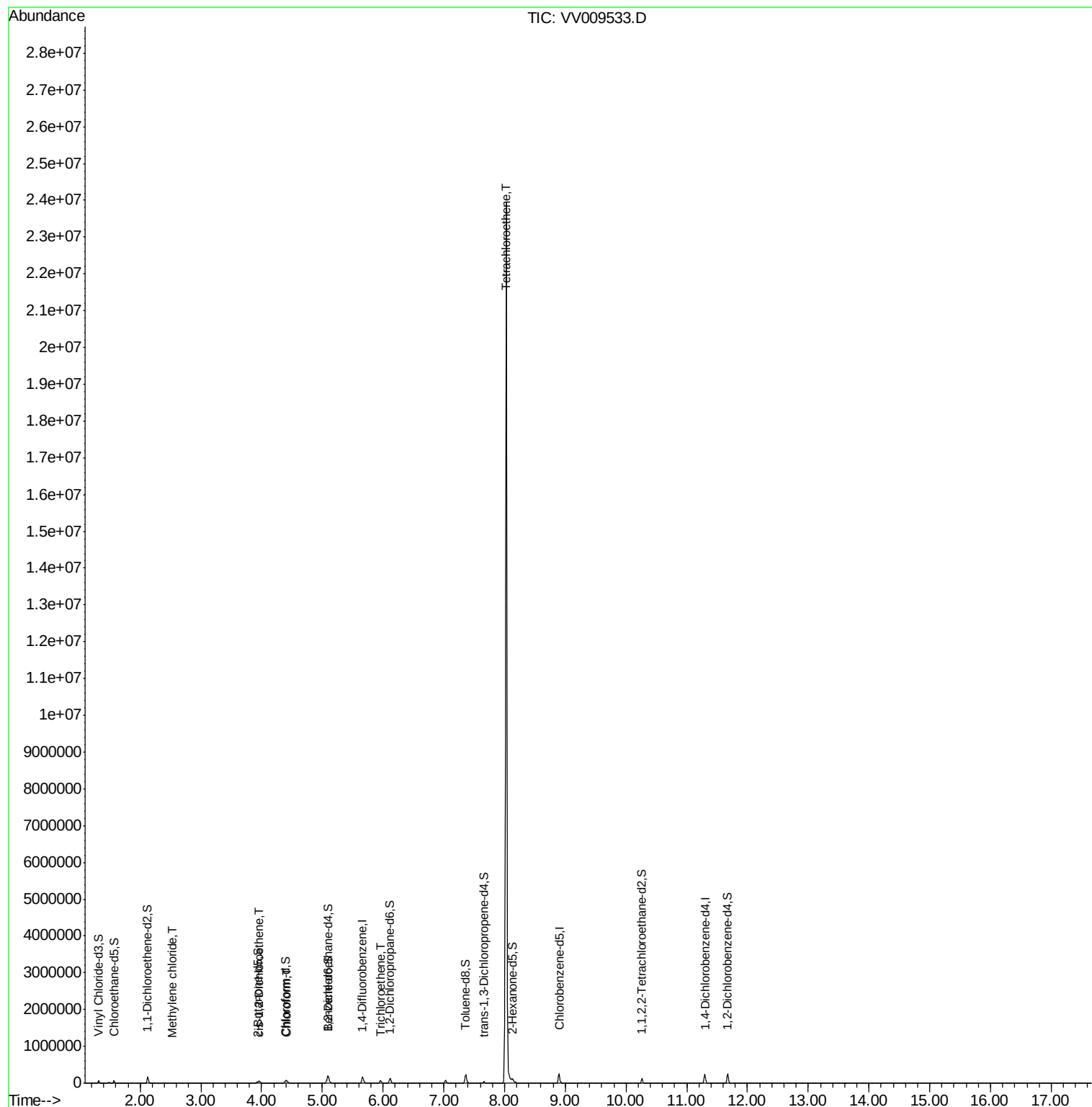
Target Compounds	R.T.	QIon	Response	Conc	Units	Ovalue
16) Methylene chloride	2.53	84	3863	2.057	ug/L	88
22) cis-1,2-Dichloroethene	3.96	96	23525	12.194	ug/L	94
25) Chloroform	4.43	83	17509	5.210	ug/L	94
35) Trichloroethene	5.96	95	21528	10.157	ug/L	97
47) Tetrachloroethene	8.03	164	4444586	2764.626	ug/L	95

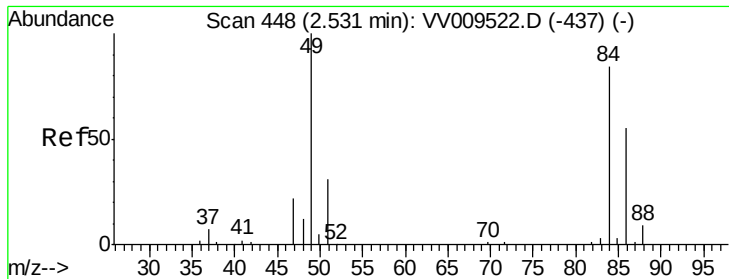
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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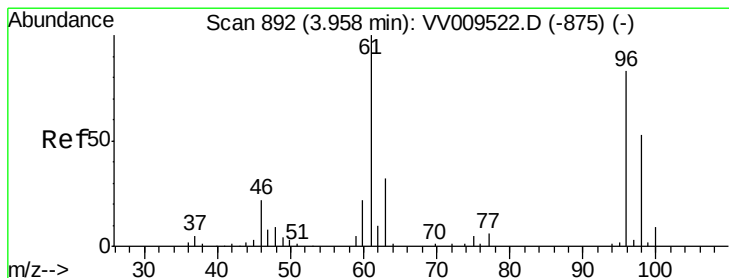
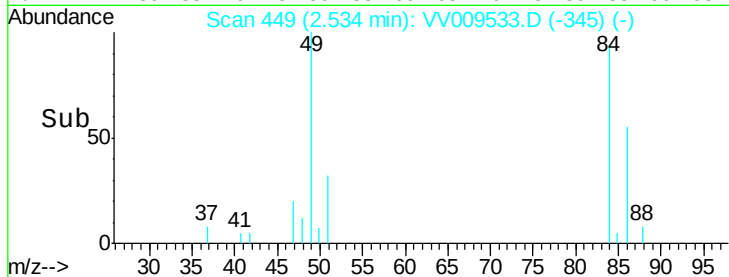
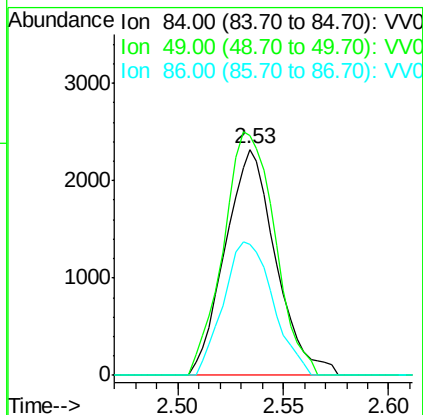
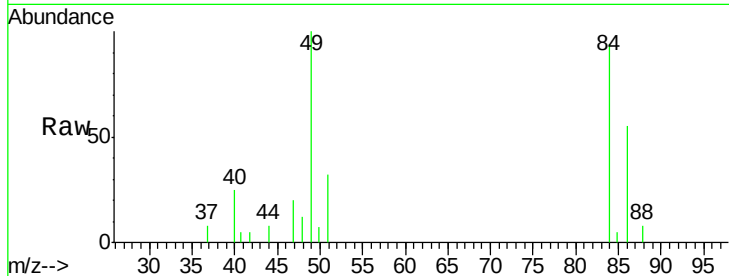




#16
Methylene chloride
Concen: 2.057 ug/L
RT: 2.53 min Scan# 449
Delta R.T. 0.00 min
Lab File: VV009533.D
Acq: 07 Mar 2019 16:59

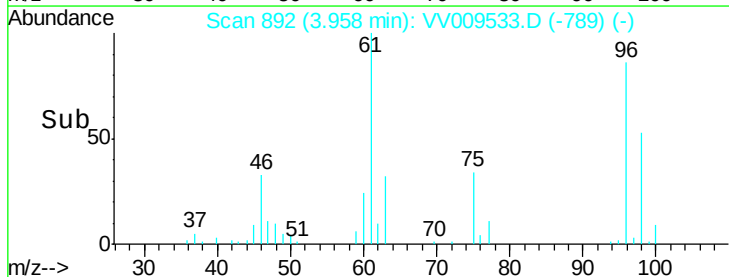
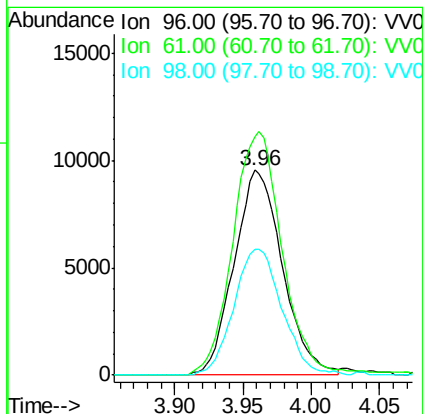
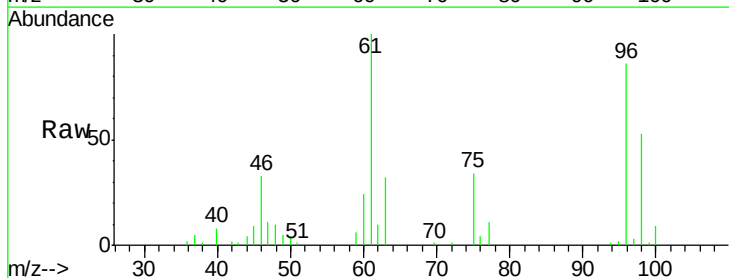
Instrument :
MSVOA_V
ClientSampleId :
BF0P0

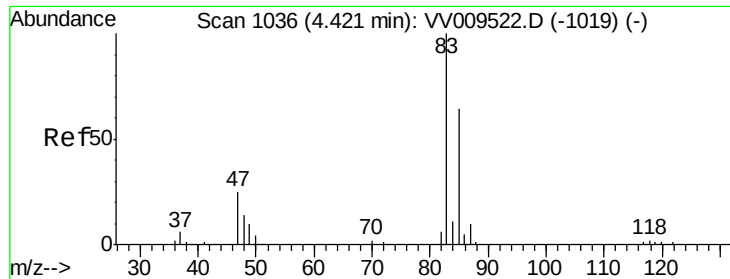
Tot Ion: 84 Resp: 3863
Ion Ratio Lower Upper
84 100
49 106.2 84.6 157.0
86 58.0 46.1 85.7



#22
cis-1,2-Dichloroethene
Concen: 12.194 ug/L
RT: 3.96 min Scan# 892
Delta R.T. 0.00 min
Lab File: VV009533.D
Acq: 07 Mar 2019 16:59

Tgt Ion: 96 Resp: 23525
Ion Ratio Lower Upper
96 100
61 116.6 87.2 161.9
98 61.3 44.6 82.8





#25

Chloroform

Concen: 5.210 ug/L

RT: 4.43 min Scan# 1038

Delta R.T. 0.01 min

Lab File: VV009533.D

Acq: 07 Mar 2019 16:59

Instrument :

MSVOA_V

ClientSampleId :

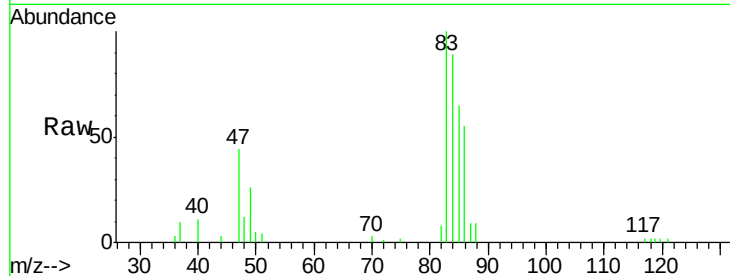
BF0P0

Tot Ion: 83 Resp: 17509

Ion Ratio Lower Upper

83 100

85 69.3 45.4 84.2



Abundance Ion 83.00 (82.70 to 83.70): VV009522.D (-1019) (-)

Ion 85.00 (84.70 to 85.70): VV009522.D (-1019) (-)

4.43

8000

6000

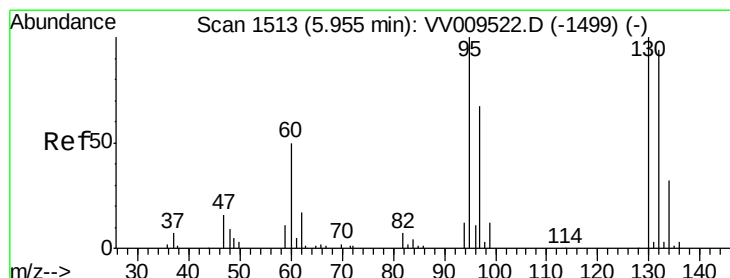
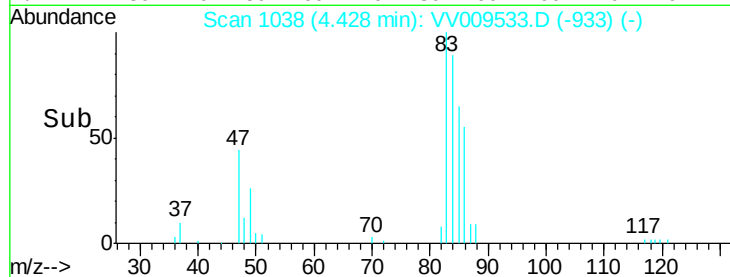
4000

2000

0

4.35 4.40 4.45 4.50

Time-->



#35

Trichloroethene

Concen: 10.157 ug/L

RT: 5.96 min Scan# 1514

Delta R.T. 0.00 min

Lab File: VV009533.D

Acq: 07 Mar 2019 16:59

Tgt Ion: 95 Resp: 21528

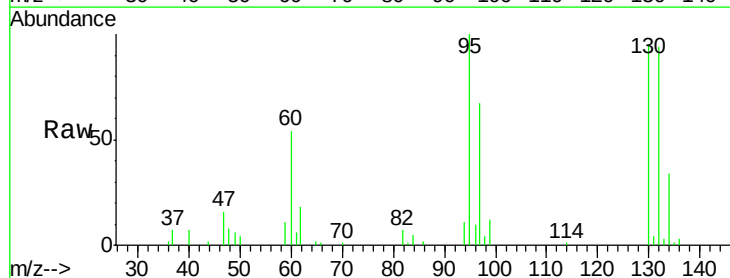
Ion Ratio Lower Upper

95 100

97 63.0 44.3 82.3

132 94.1 64.4 119.6

130 94.5 69.4 128.8



Abundance Ion 95.00 (94.70 to 95.70): VV009522.D (-1499) (-)

Ion 97.00 (96.70 to 97.70): VV009522.D (-1499) (-)

Ion 132.00 (131.70 to 132.70): VV009522.D (-1499) (-)

Ion 130.00 (129.70 to 130.70): VV009522.D (-1499) (-)

15000

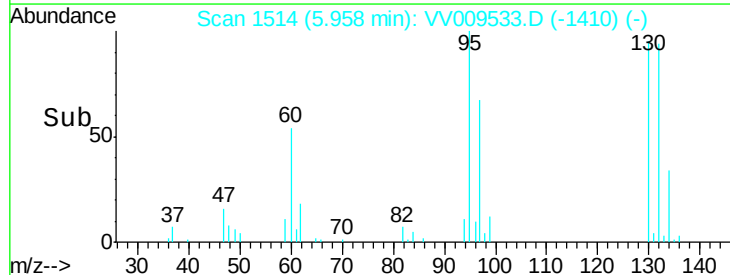
10000

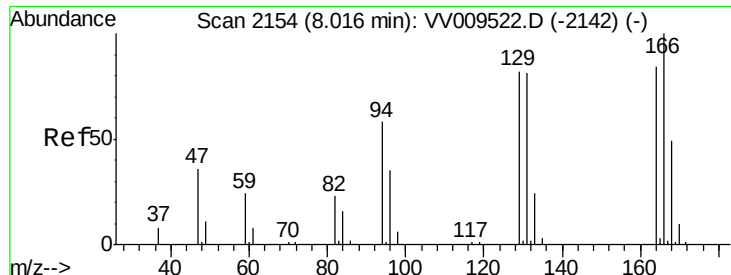
5000

0

5.90 5.95 6.00 6.05

Time-->





#47

Tetrachloroethene

Concen: 2764.626 ug/L

RT: 8.03 min Scan# 2158

Delta R.T. 0.01 min

Lab File: VV009533.D

Acq: 07 Mar 2019 16:59

Instrument :
MSVOA_V
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BF0P0

Tot Ion:164 Resp: 4444586

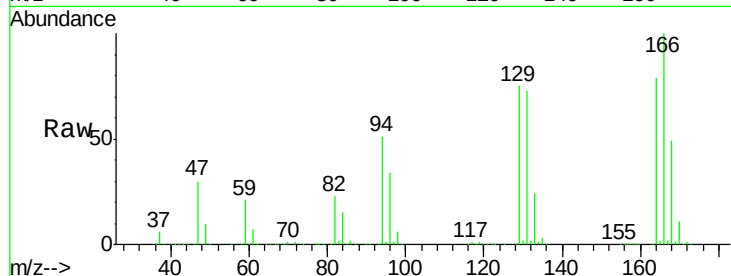
Ion Ratio Lower Upper

164 100

129 94.3 67.7 125.7

131 91.9 67.5 125.3

166 126.0 81.6 151.6



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

