

Data Path : Z:\VOASRV\HPCHEM1\MSVOA V\DATA\VV033019\
 Data File : VV010029.D
 Acq On : 30 Mar 2019 19:22
 Operator : SY/MD
 Sample : K2166-15
 Misc : 5.10G/10mL/MSVOA V/SOIL
 ALS Vial : 1 Sample Multiplier: 1

Instrument :
 MSVOA_V
 ClientSampleId :
 BF0M5

Quant Time: Mar 31 00:23:10 2019
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_V\METHOD\SOM2VLM032619S.M
 Quant Title : VOC Analysis
 QLast Update : Sat Mar 30 23:31:11 2019
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Difluorobenzene	5.67	114	129553	25.00	ug/L	0.00
28) Chlorobenzene-d5	8.90	117	135481	25.00	ug/L	0.00
60) 1,4-Dichlorobenzene-d4	11.30	152	56575	25.00	ug/L	0.00

System Monitoring Compounds

4) Vinyl Chloride-d3	1.32	65	58338	22.19	ug/L	0.00
Spiked Amount	25.000	Range	30 - 150	Recovery	=	88.76%
7) Chloroethane-d5	1.57	69	66180	23.31	ug/L	0.00
Spiked Amount	25.000	Range	30 - 150	Recovery	=	93.24%
10) 1,1-Dichloroethene-d2	2.13	63	126522	17.59	ug/L	0.00
Spiked Amount	25.000	Range	45 - 110	Recovery	=	70.36%
20) 2-Butanone-d5	3.94	46	32272	65.87	ug/L	0.00
Spiked Amount	50.000	Range	20 - 135	Recovery	=	131.74%
24) Chloroform-d	4.40	84	72165	21.86	ug/L	0.00
Spiked Amount	25.000	Range	40 - 150	Recovery	=	87.44%
26) 1,2-Dichloroethane-d4	5.08	65	56558	28.47	ug/L	0.00
Spiked Amount	25.000	Range	70 - 130	Recovery	=	113.88%
29) Benzene-d6	5.10	84	168033	23.62	ug/L	0.00
Spiked Amount	25.000	Range	20 - 135	Recovery	=	94.48%
33) 1,2-Dichloropropane-d6	6.12	67	53918	25.90	ug/L	0.00
Spiked Amount	25.000	Range	70 - 120	Recovery	=	103.60%
37) Toluene-d8	7.36	98	143032	21.24	ug/L	0.00
Spiked Amount	25.000	Range	30 - 130	Recovery	=	84.96%
38) trans-1,3-Dichloropropene-	7.66	79	16766	19.69	ug/L	0.00
Spiked Amount	25.000	Range	30 - 135	Recovery	=	78.76%
39) 2-Hexanone-d5	8.13	63	26198	67.43	ug/L	0.00
Spiked Amount	50.000	Range	20 - 135	Recovery	=	134.86%
48) 1,1,2,2-Tetrachloroethane-	10.26	84	56635	27.48	ug/L	0.00
Spiked Amount	25.000	Range	45 - 120	Recovery	=	109.92%
61) 1,2-Dichlorobenzene-d4	11.68	152	54071	25.10	ug/L	0.00
Spiked Amount	25.000	Range	75 - 120	Recovery	=	100.40%

Target Compounds

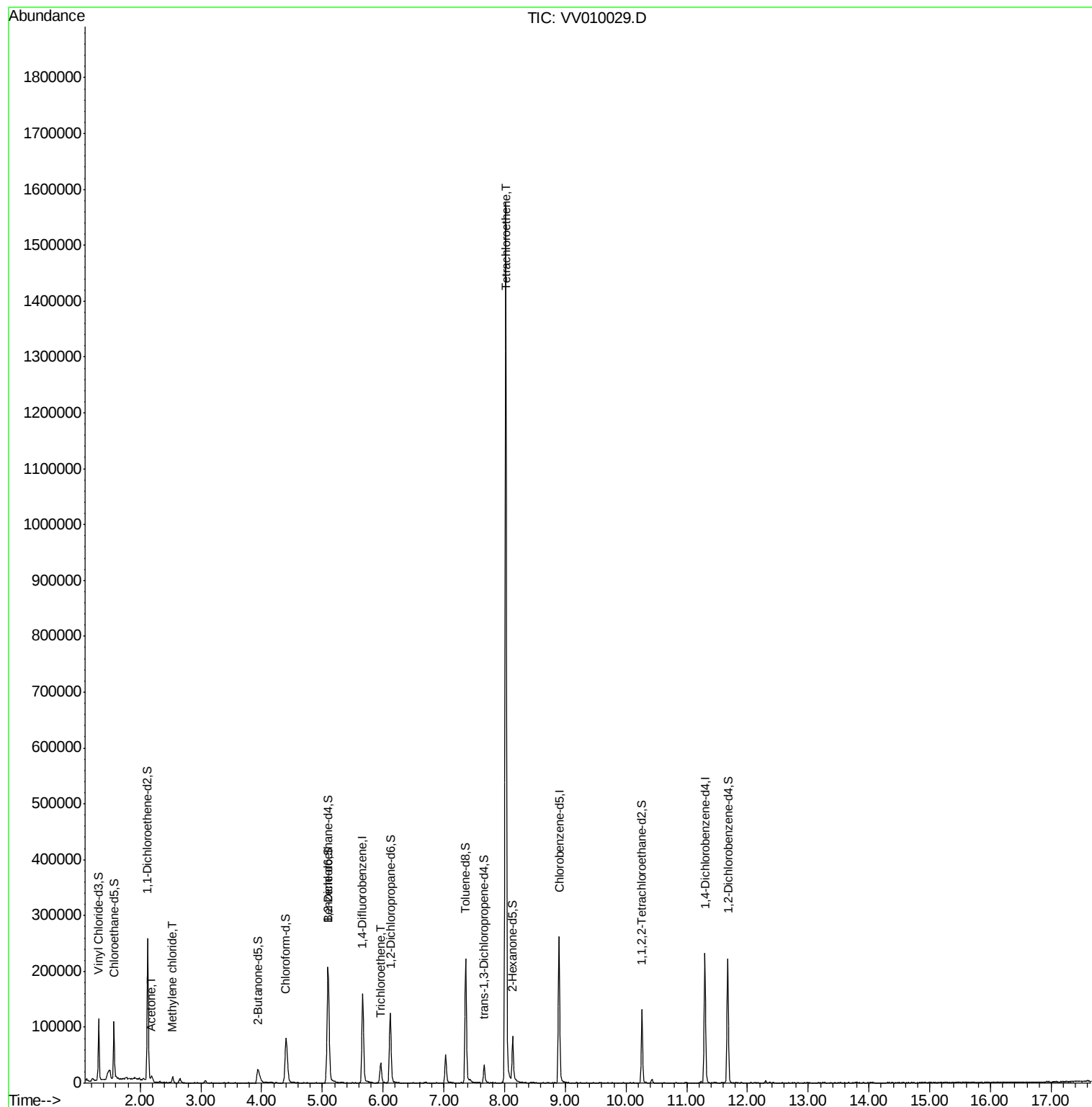
					Ovalue
13) Acetone	2.19	43	3806	5.131 ug/L	97
16) Methylene chloride	2.53	84	4371	2.049 ug/L	82
35) Trichloroethene	5.96	95	12053	6.142 ug/L	94
47) Tetrachloroethene	8.02	164	306081	197.656 ug/L	98

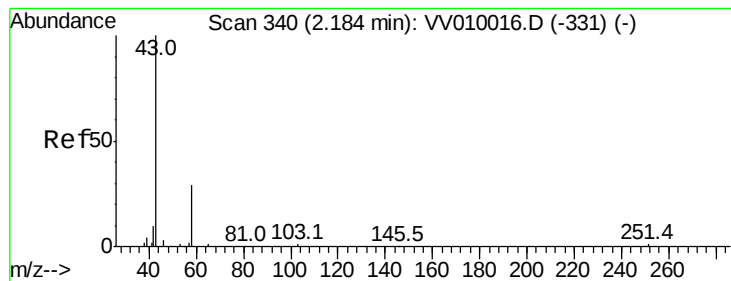
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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#13

Acetone

Concen: 5.131 ug/L

RT: 2.19 min Scan# 343

Delta R.T. 0.01 min

Lab File: VV010029.D

Acq: 30 Mar 2019 19:22

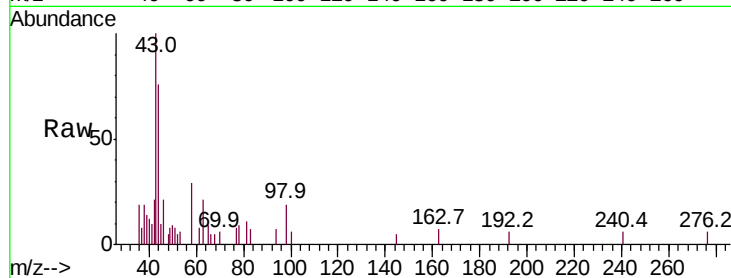
Instrument :
MSVOA_V
ClientSampleId :
BF0M5

Tot Ion: 43 Resp: 3806

Ion Ratio Lower Upper

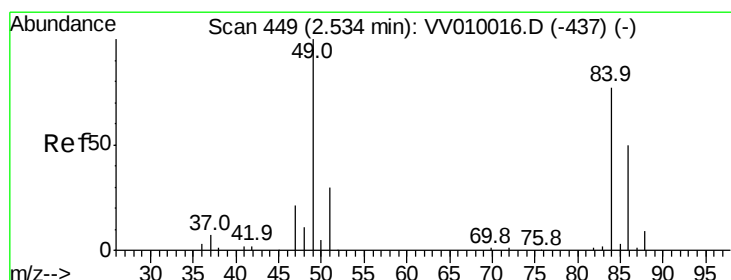
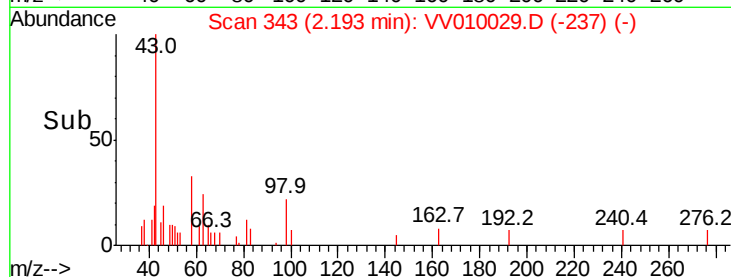
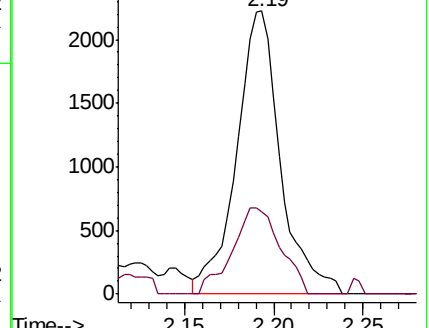
43 100

58 31.4 0.0 59.4



Abundance Ion 43.00 (42.70 to 43.70): VV010016.D (-331) (-)

Ion 58.00 (57.70 to 58.70): VV010016.D (-331) (-)



#16

Methylene chloride

Concen: 2.049 ug/L

RT: 2.53 min Scan# 449

Delta R.T. 0.00 min

Lab File: VV010029.D

Acq: 30 Mar 2019 19:22

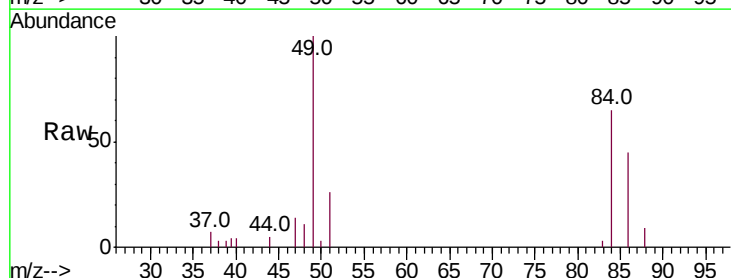
Tgt Ion: 84 Resp: 4371

Ion Ratio Lower Upper

84 100

49 154.8 90.4 167.8

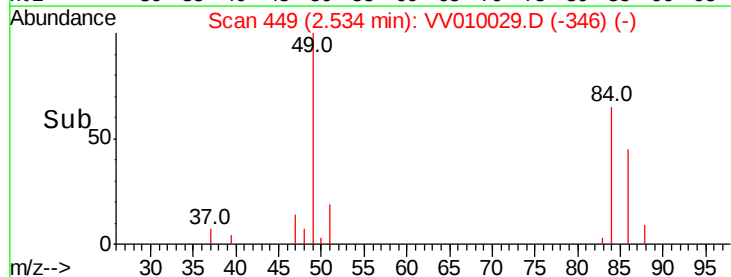
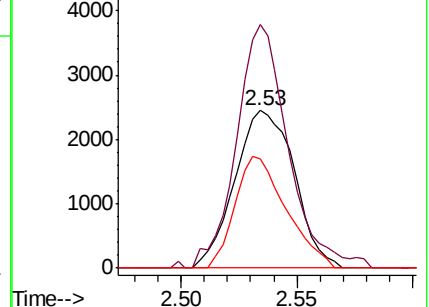
86 69.8 44.0 81.6

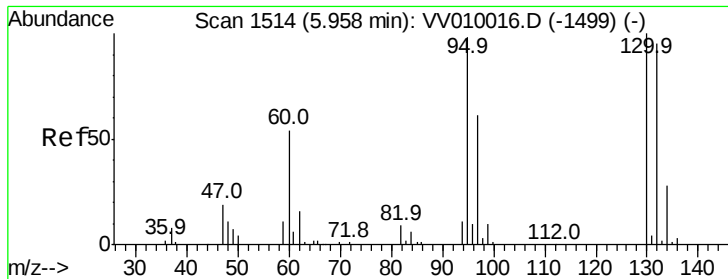


Abundance Ion 84.00 (83.70 to 84.70): VV010016.D (-437) (-)

Ion 49.00 (48.70 to 49.70): VV010016.D (-437) (-)

Ion 86.00 (85.70 to 86.70): VV010016.D (-437) (-)





#35

Trichloroethene

Concen: 6.142 ug/L

RT: 5.96 min Scan# 1515

Delta R.T. 0.00 min

Lab File: VV010029.D

Acq: 30 Mar 2019 19:22

Instrument :

MSVOA_V

ClientSampleId :

BF0M5

Tot Ion: 95 Resp: 12053

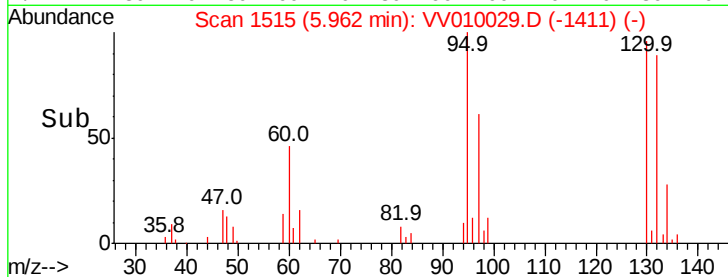
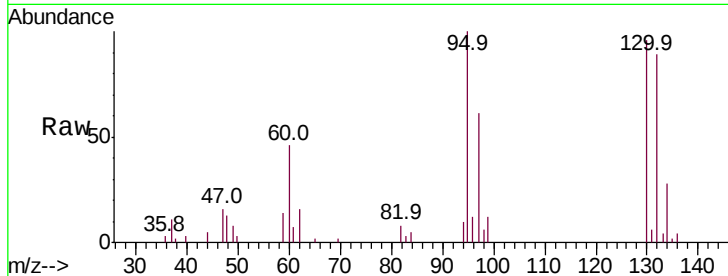
Ion Ratio Lower Upper

95 100

97 61.5 46.3 85.9

132 88.6 69.3 128.7

130 100.0 69.5 129.1

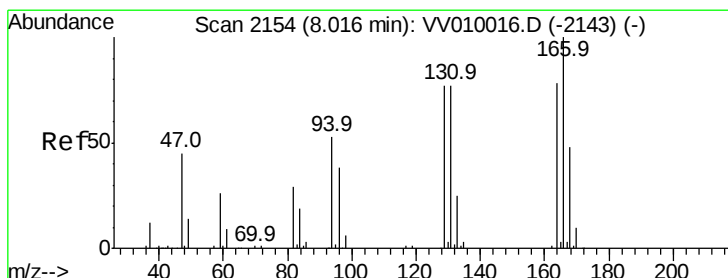
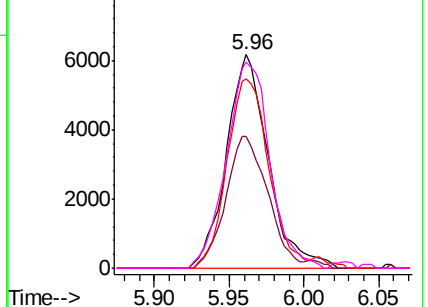


Abundance Ion 95.00 (94.70 to 95.70): VV0

Ion 97.00 (96.70 to 97.70): VV0

Ion 132.00 (131.70 to 132.70): VV0

Ion 130.00 (129.70 to 130.70): VV0



#47

Tetrachloroethene

Concen: 197.656 ug/L

RT: 8.02 min Scan# 2155

Delta R.T. 0.00 min

Lab File: VV010029.D

Acq: 30 Mar 2019 19:22

Tgt Ion:164 Resp: 306081

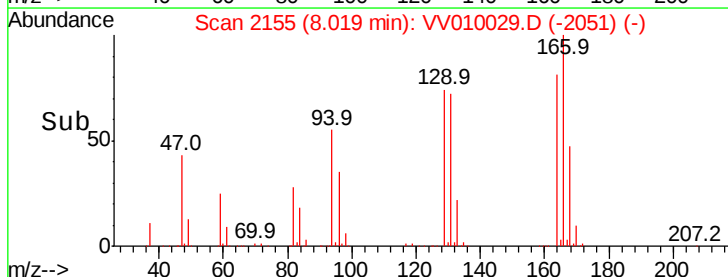
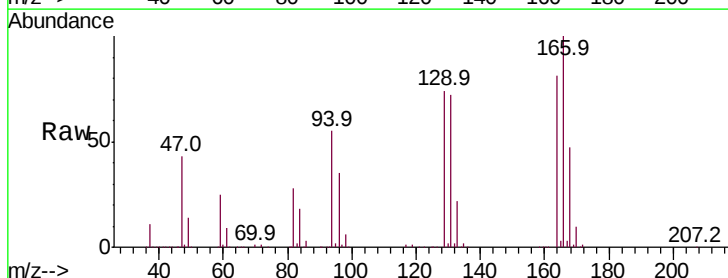
Ion Ratio Lower Upper

164 100

129 92.1 64.9 120.5

131 89.0 62.0 115.2

166 124.0 82.9 153.9



Abundance Ion 164.00 (163.70 to 164.70): VV0

Ion 129.00 (128.70 to 129.70): VV0

Ion 131.00 (130.70 to 131.70): VV0

Ion 166.00 (165.70 to 166.70): VV0

