

Data Path : Z:\VOASRV\HPCHEM1\MSVOA V\DATA\VV033019\
 Data File : VV010020.D
 Acq On : 30 Mar 2019 15:25
 Operator : SY/MD
 Sample : K2166-03
 Misc : 6.65G/10mL/MSVOA V/SOIL
 ALS Vial : 1 Sample Multiplier: 1

Instrument :
 MSVOA_V
 ClientSampleId :
 BF105

Manual Integrations
 APPROVED

MMDadoda
 4/1/2019 4:01:37 AM

Quant Time: Mar 31 21:14:38 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	5.66	114	161408	25.00	ug/L	0.00
28) Chlorobenzene-d5	8.89	117	165659	25.00	ug/L	0.00
60) 1,4-Dichlorobenzene-d4	11.30	152	66353	25.00	ug/L	0.00

System Monitoring Compounds

4) Vinyl Chloride-d3	1.32	65	68902	21.04	ug/L	0.00
Spiked Amount	25.000	Range	30 - 150	Recovery	=	84.16%
7) Chloroethane-d5	1.57	69	79319	22.42	ug/L	0.00
Spiked Amount	25.000	Range	30 - 150	Recovery	=	89.68%
10) 1,1-Dichloroethene-d2	2.12	63	150181	16.76	ug/L	0.00
Spiked Amount	25.000	Range	45 - 110	Recovery	=	67.04%
20) 2-Butanone-d5	3.94	46	29865	48.93	ug/L	0.00
Spiked Amount	50.000	Range	20 - 135	Recovery	=	97.86%
24) Chloroform-d	4.40	84	81207	19.75	ug/L	0.00
Spiked Amount	25.000	Range	40 - 150	Recovery	=	79.00%
26) 1,2-Dichloroethane-d4	5.08	65	63881	25.81	ug/L	0.00
Spiked Amount	25.000	Range	70 - 130	Recovery	=	103.24%
29) Benzene-d6	5.10	84	211664	24.33	ug/L	0.00
Spiked Amount	25.000	Range	20 - 135	Recovery	=	97.32%
33) 1,2-Dichloropropane-d6	6.12	67	67445	26.50	ug/L	0.00
Spiked Amount	25.000	Range	70 - 120	Recovery	=	106.00%
37) Toluene-d8	7.36	98	181978	22.10	ug/L	0.00
Spiked Amount	25.000	Range	30 - 130	Recovery	=	88.40%
38) trans-1,3-Dichloropropene-	7.66	79	20250	19.45	ug/L	0.00
Spiked Amount	25.000	Range	30 - 135	Recovery	=	77.80%
39) 2-Hexanone-d5	8.13	63	23232	48.90	ug/L	0.00
Spiked Amount	50.000	Range	20 - 135	Recovery	=	97.80%
48) 1,1,2,2-Tetrachloroethane-	10.26	84	57913	22.98	ug/L	0.00
Spiked Amount	25.000	Range	45 - 120	Recovery	=	91.92%
61) 1,2-Dichlorobenzene-d4	11.68	152	63459	25.12	ug/L	0.00
Spiked Amount	25.000	Range	75 - 120	Recovery	=	100.48%

Target Compounds					Ovalue
16) Methylene chloride	2.53	84	4749	1.787 ug/L	93
22) cis-1,2-Dichloroethene	3.97	96	2325m	0.996 ug/L	
35) Trichloroethene	5.96	95	12537	5.225 ug/L	97
47) Tetrachloroethene	8.02	164	872982	461.043 ug/L	97

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

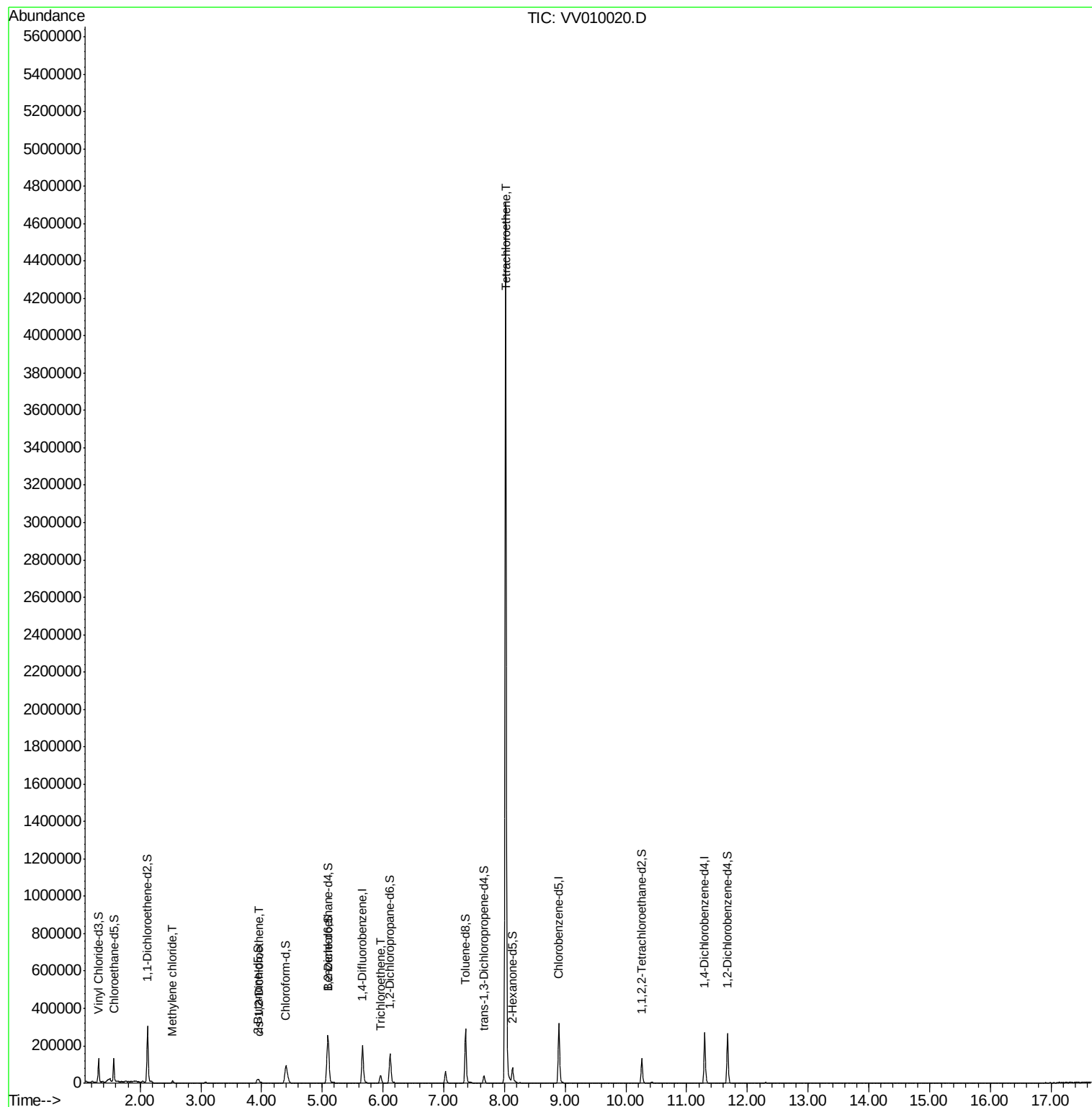
Data Path : Z:\V0ASRV\HPCHEM1\MSVOA V\DATA\VV033019\
Data File : VV010020.D
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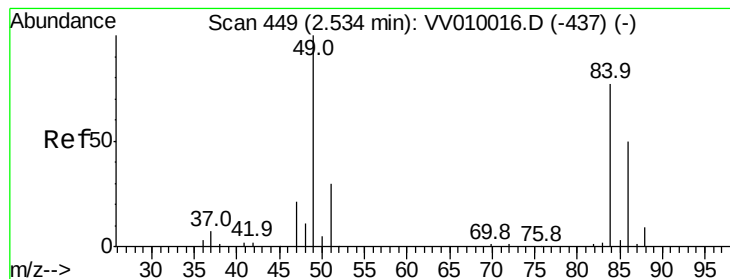
Instrument :
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QLast Update : Sat Mar 30 23:31:11 2019
Response via : Initial Calibration





#16

Methvlene chloride

Concen: 1.787 ug/L

RT: 2.53 min Scan# 449

Delta R.T. 0.00 min

Lab File: VV010020.D

Acq: 30 Mar 2019 15:25

Instrument :

MSVOA_V

ClientSampled :

BF105

Tot Ion: 84 Resp: 4749

Ion Ratio Lower Upper

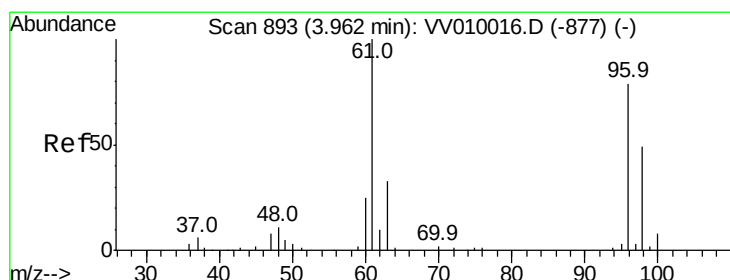
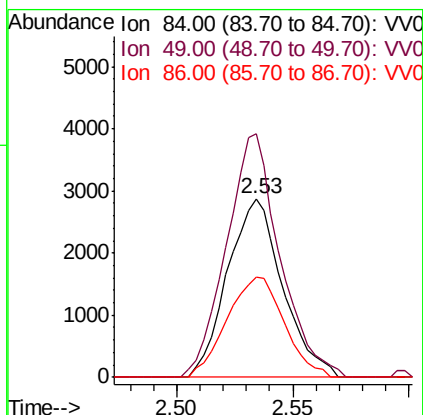
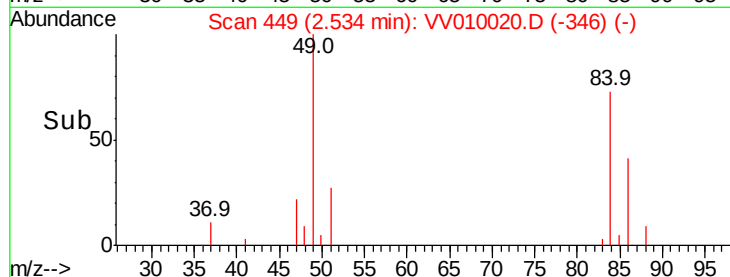
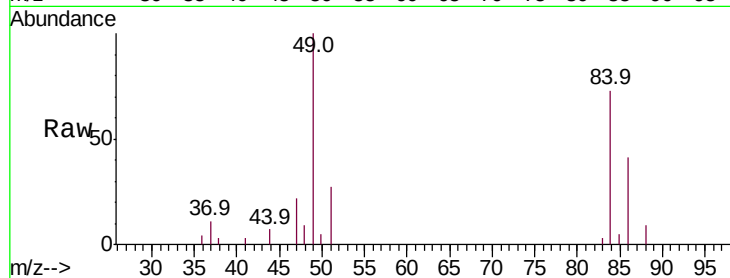
84 100

49 136.3 90.4 167.8

86 56.3 44.0 81.6

Manual Integrations
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4/1/2019 4:01:37 AM



#22

cis-1,2-Dichloroethene

Concen: 0.996 ug/L m

RT: 3.97 min Scan# 896

Delta R.T. 0.01 min

Lab File: VV010020.D

Acq: 30 Mar 2019 15:25

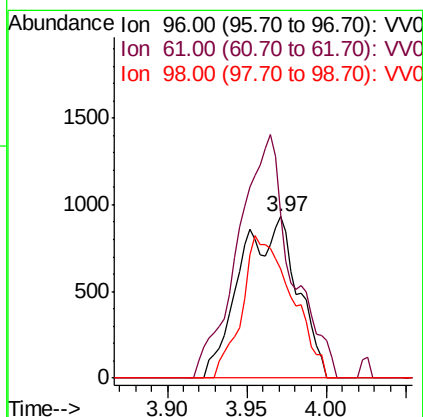
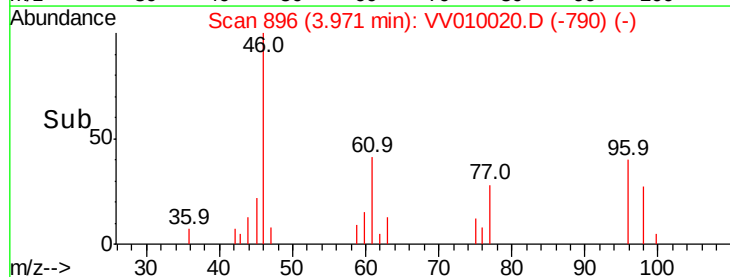
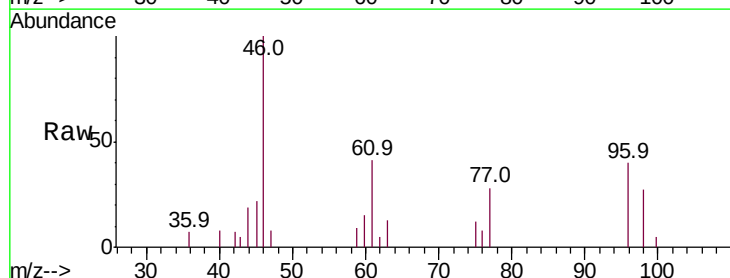
Tgt Ion: 96 Resp: 2325

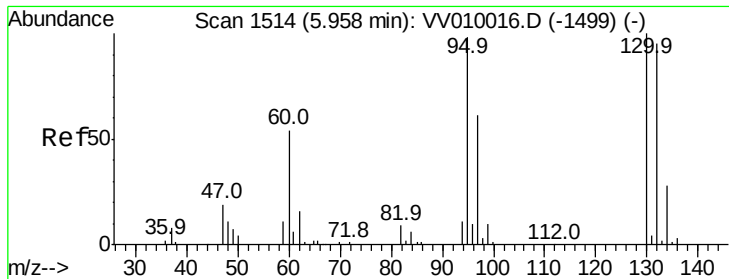
Ion Ratio Lower Upper

96 100

61 101.8 91.4 169.8

98 67.6 48.0 89.2





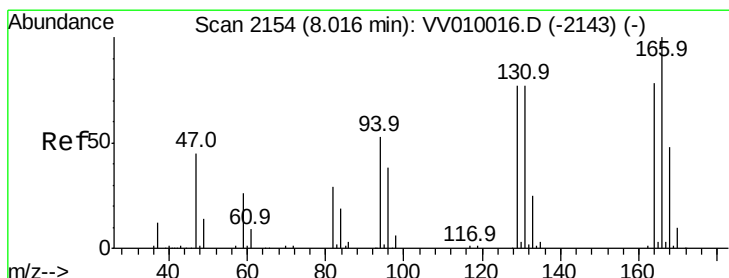
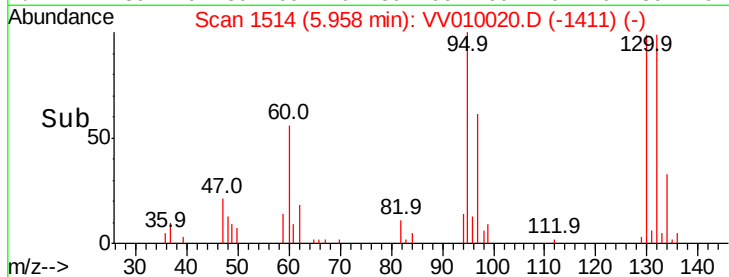
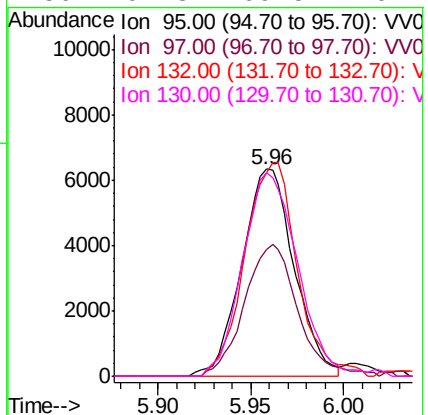
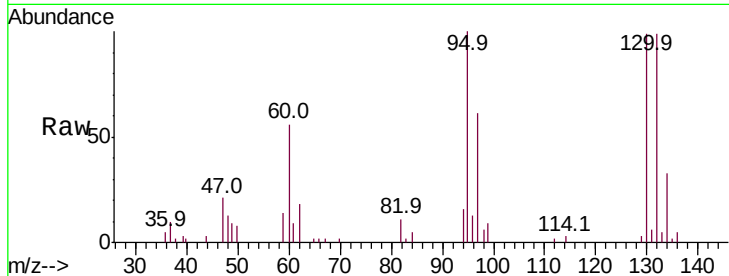
#35
 Trichloroethene
 Concen: 5.225 ug/L
 RT: 5.96 min Scan# 1514
 Delta R.T. 0.00 min
 Lab File: VV010020.D
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Tot Ion	95	Resp	12537
Ion Ratio	Lower	Upper	
95	100		
97	64.5	46.3	85.9
132	102.0	69.3	128.7
130	102.3	69.5	129.1

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#47
 Tetrachloroethene
 Concen: 461.043 ug/L
 RT: 8.02 min Scan# 2155
 Delta R.T. 0.00 min
 Lab File: VV010020.D
 Acq: 30 Mar 2019 15:25

Tgt Ion	164	Resp	872982
Ion Ratio	Lower	Upper	
164	100		
129	93.7	64.9	120.5
131	89.7	62.0	115.2
166	126.1	82.9	153.9

