

Data Path : Z:\VOASRV\HPCHEM1\MSVOA V\DATA\VV031019\
 Data File : VV009569.D
 Acq On : 10 Mar 2019 16:14
 Operator : SY/MD
 Sample : K1818-15
 Misc : 6.01G/10ML/MSVOA V/SOIL
 ALS Vial : 1 Sample Multiplier: 1

Instrument :
 MSVOA_V
 ClientSampleId :
 BF0R5

Quant Time: Mar 11 09:20:10 2019
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_V\METHOD\SOM2VLM030519S.M
 Quant Title : VOC Analysis
 QLast Update : Mon Mar 11 04:48:46 2019
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Difluorobenzene	5.66	114	150490	25.00	ug/L	0.00
28) Chlorobenzene-d5	8.90	117	151137	25.00	ug/L	0.00
60) 1,4-Dichlorobenzene-d4	11.30	152	67809	25.00	ug/L	0.00

System Monitoring Compounds

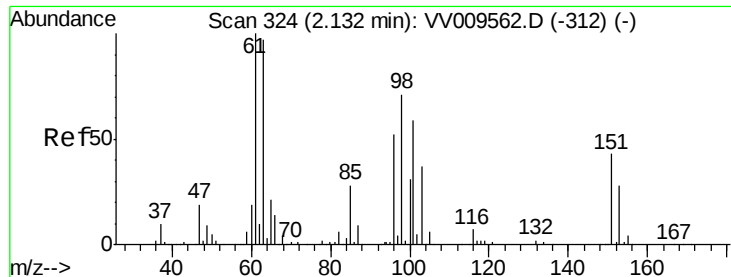
4) Vinyl Chloride-d3	1.32	65	27359	15.10	ug/L	0.00
Spiked Amount	25.000	Range	30 - 150	Recovery	=	60.40%
7) Chloroethane-d5	1.57	69	32319	12.34	ug/L	0.00
Spiked Amount	25.000	Range	30 - 150	Recovery	=	49.36%
10) 1,1-Dichloroethene-d2	2.13	63	69710	14.79	ug/L	0.00
Spiked Amount	25.000	Range	45 - 110	Recovery	=	59.16%
20) 2-Butanone-d5	3.94	46	25363	41.09	ug/L	0.00
Spiked Amount	50.000	Range	20 - 135	Recovery	=	82.18%
24) Chloroform-d	4.40	84	63442	17.70	ug/L	0.00
Spiked Amount	25.000	Range	40 - 150	Recovery	=	70.80%
26) 1,2-Dichloroethane-d4	5.08	65	47387	23.24	ug/L	0.00
Spiked Amount	25.000	Range	70 - 130	Recovery	=	92.96%
29) Benzene-d6	5.10	84	150988	20.17	ug/L	0.00
Spiked Amount	25.000	Range	20 - 135	Recovery	=	80.68%
33) 1,2-Dichloropropane-d6	6.12	67	47900	21.68	ug/L	0.00
Spiked Amount	25.000	Range	70 - 120	Recovery	=	86.72%
37) Toluene-d8	7.36	98	145439	19.93	ug/L	0.00
Spiked Amount	25.000	Range	30 - 130	Recovery	=	79.72%
38) trans-1,3-Dichloropropene-	7.66	79	19964	18.65	ug/L	0.00
Spiked Amount	25.000	Range	30 - 135	Recovery	=	74.60%
39) 2-Hexanone-d5	8.13	63	18627	36.13	ug/L	0.00
Spiked Amount	50.000	Range	20 - 135	Recovery	=	72.26%
48) 1,1,2,2-Tetrachloroethane-	10.26	84	48513	20.61	ug/L	0.00
Spiked Amount	25.000	Range	45 - 120	Recovery	=	82.44%
61) 1,2-Dichlorobenzene-d4	11.67	152	52561	21.23	ug/L	0.00
Spiked Amount	25.000	Range	75 - 120	Recovery	=	84.92%

Target Compounds

					Ovalue
11) 1,1,2-Trichloro-1,2,2-trif	2.14	101	2894	1.238 ug/L	94
12) 1,1-Dichloroethene	2.14	96	8084	4.040 ug/L #	1
13) Acetone	2.19	43	4356	6.940 ug/L	98
22) cis-1,2-Dichloroethene	3.96	96	5453	2.688 ug/L	96
35) Trichloroethene	5.96	95	4148	1.848 ug/L	97
47) Tetrachloroethene	8.04	164	10942565	6428.163 ug/L	94

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

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ALS Vial : 1 Sample Multiplier: 1



#11

1,1,2-Trichloro-1,2,2-trifluoroethane

Concen: 1.238 ug/L

RT: 2.14 min Scan# 325

Delta R.T. 0.00 min

Lab File: VV009569.D

Acq: 10 Mar 2019 16:14

Instrument :

MSVOA_V

ClientSampleId :

BF0R5

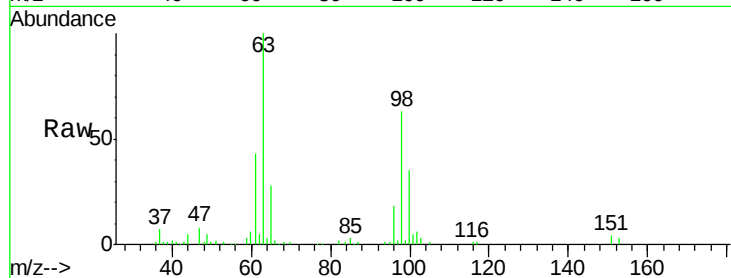
Tot Ion:101 Resp: 2894

Ion Ratio Lower Upper

101 100

85 48.1 40.1 60.1

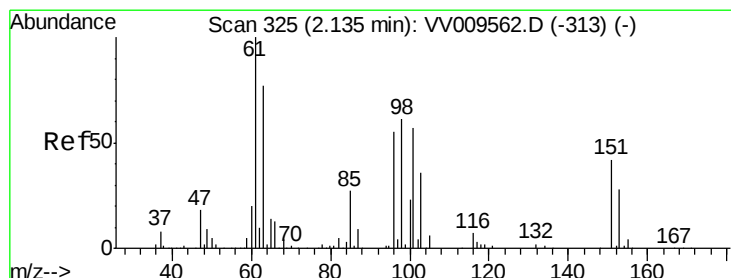
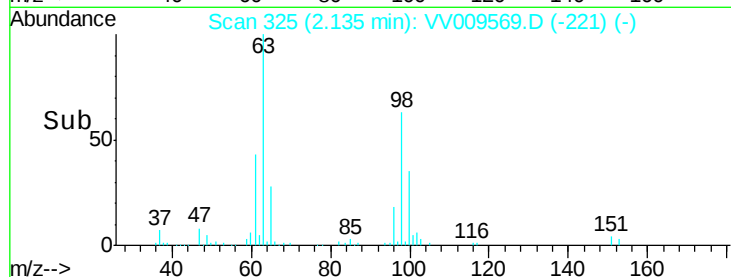
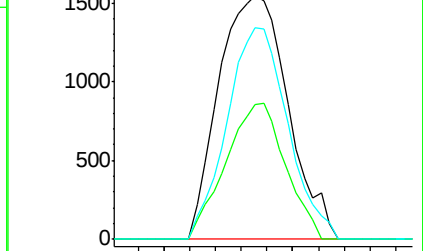
151 76.5 55.9 83.9



Abundance Ion 101.00 (100.70 to 101.70): VV009562.D (-312) (-)

Ion 85.00 (84.70 to 85.70): VV009562.D (-312) (-)

Ion 151.00 (150.70 to 151.70): VV009562.D (-312) (-)



#12

1,1-Dichloroethene

Concen: 4.040 ug/L

RT: 2.14 min Scan# 325

Delta R.T. 0.00 min

Lab File: VV009569.D

Acq: 10 Mar 2019 16:14

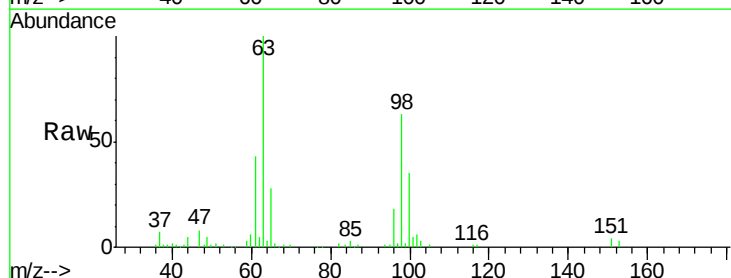
Tgt Ion: 96 Resp: 8084

Ion Ratio Lower Upper

96 100

61 236.5 136.9 254.3

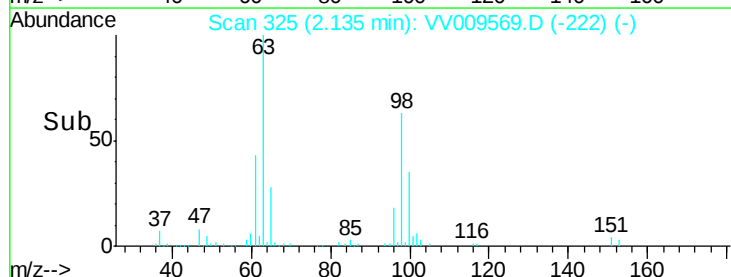
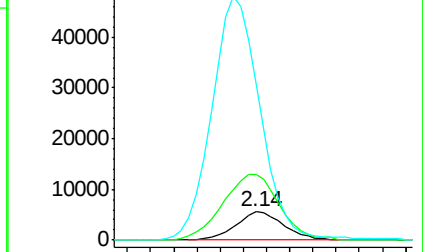
63 552.0 108.7 201.9#

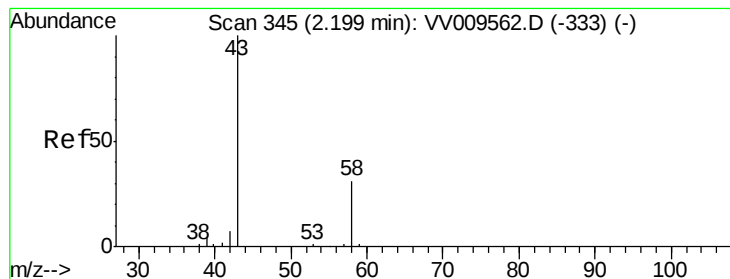


Abundance Ion 96.00 (95.70 to 96.70): VV009569.D (-222) (-)

Ion 61.00 (60.70 to 61.70): VV009569.D (-222) (-)

Ion 63.00 (62.70 to 63.70): VV009569.D (-222) (-)





#13

Acetone

Concen: 6.940 ug/L

RT: 2.19 min Scan# 342

Delta R.T. -0.01 min

Lab File: VV009569.D

Acq: 10 Mar 2019 16:14

Instrument :

MSVOA_V

ClientSampled :

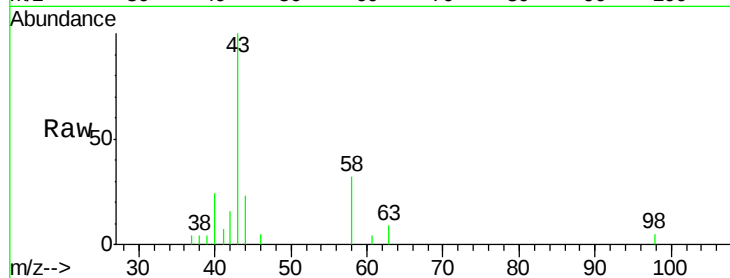
BF0R5

Tot Ion: 43 Resp: 4356

Ion Ratio Lower Upper

43 100

58 35.6 0.0 68.8



Abundance Ion 43.00 (42.70 to 43.70): VV009569.D (-242) (-)

Ion 58.00 (57.70 to 58.70): VV009569.D (-242) (-)

2.19

3000

2000

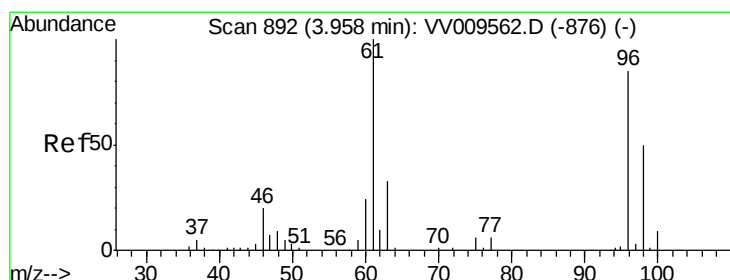
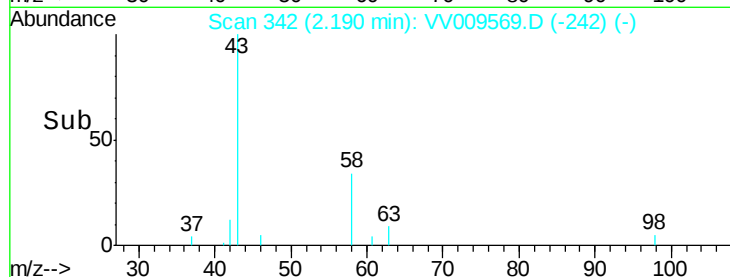
1000

0

Time-->

2.15

2.20



#22

cis-1,2-Dichloroethene

Concen: 2.688 ug/L

RT: 3.96 min Scan# 894

Delta R.T. 0.01 min

Lab File: VV009569.D

Acq: 10 Mar 2019 16:14

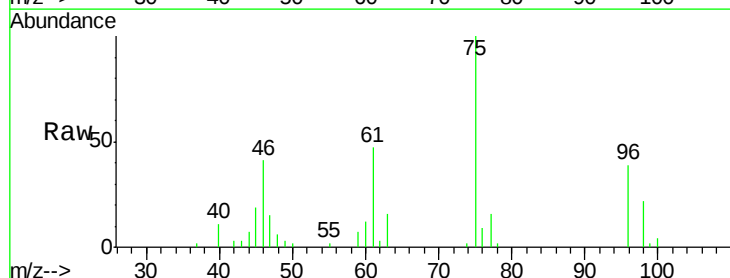
Tgt Ion: 96 Resp: 5453

Ion Ratio Lower Upper

96 100

61 121.4 87.2 161.9

98 57.7 44.6 82.8



Abundance Ion 96.00 (95.70 to 96.70): VV009569.D (-789) (-)

Ion 61.00 (60.70 to 61.70): VV009569.D (-789) (-)

Ion 98.00 (97.70 to 98.70): VV009569.D (-789) (-)

3.96

3000

2000

1000

0

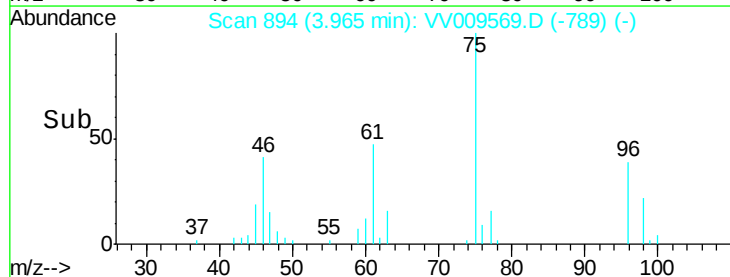
Time-->

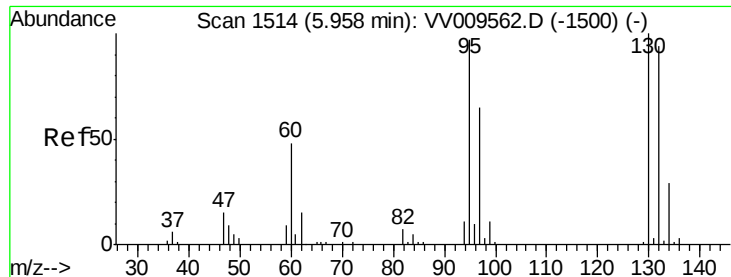
3.90

3.95

4.00

4.05





#35

Trichloroethene

Concen: 1.848 ug/L

RT: 5.96 min Scan# 1515

Delta R.T. 0.00 min

Lab File: VV009569.D

Acq: 10 Mar 2019 16:14

Instrument :

MSVOA_V

ClientSampleId :

BF0R5

Tot Ion: 95 Resp: 4148

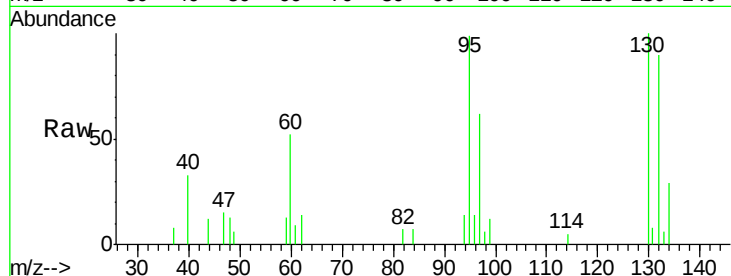
Ion Ratio Lower Upper

95 100

97 64.9 44.3 82.3

132 96.7 64.4 119.6

130 99.9 69.4 128.8

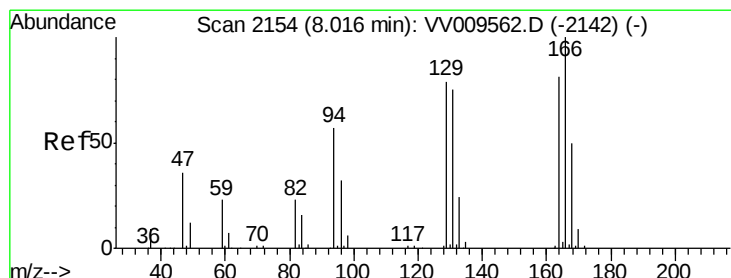
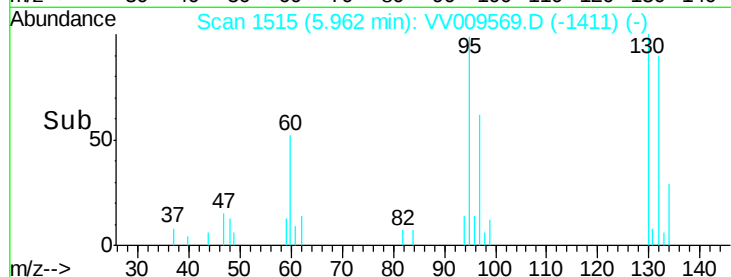
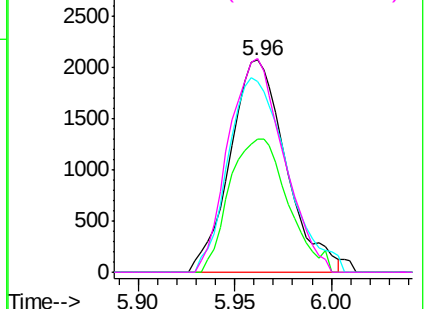


Abundance Ion 95.00 (94.70 to 95.70): VV0

Ion 97.00 (96.70 to 97.70): VV0

Ion 132.00 (131.70 to 132.70): V

Ion 130.00 (129.70 to 130.70): V



#47

Tetrachloroethene

Concen: 6428.163 ug/L

RT: 8.04 min Scan# 2160

Delta R.T. 0.02 min

Lab File: VV009569.D

Acq: 10 Mar 2019 16:14

Tgt Ion:164 Resp:10942565

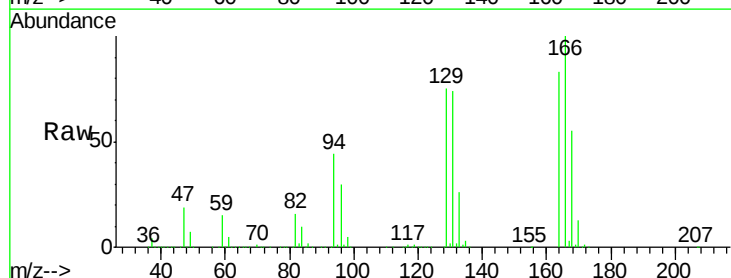
Ion Ratio Lower Upper

164 100

129 90.6 67.7 125.7

131 88.8 67.5 125.3

166 120.1 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

