

Data Path : Z:\VOASRV\HPCHEM1\MSVOA V\DATA\VV100118\
 Data File : VV008016.D
 Acq On : 02 Oct 2018 01:05
 Operator : SY/MD
 Sample : J5159-20
 Misc : 25.0 mL/MSVOA V/WATER
 ALS Vial : 29 Sample Multiplier: 1

Instrument :
 MSVOA_V
 ClientSampleId :
 GACA4

Quant Time: Oct 02 05:21:39 2018
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_V\METHOD\SOMVTR092718WMA.M
 Quant Title : TRACE VOA SOM01.0
 QLast Update : Tue Oct 02 04:17:24 2018
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Difluorobenzene	5.67	114	87972	5.00	ug/L	0.00
28) Chlorobenzene-d5	8.90	117	85128	5.00	ug/L	0.00
60) 1,4-Dichlorobenzene-d4	11.30	152	41011	5.00	ug/L	0.00

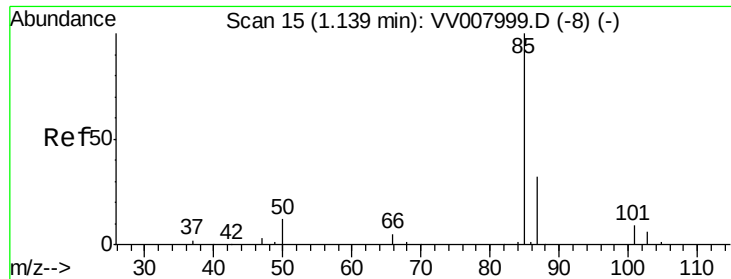
System Monitoring Compounds

4) Vinyl Chloride-d3	1.32	65	24310	5.15	ug/L	0.00
Spiked Amount	5.000	Range	40 - 130	Recovery	=	103.00%
7) Chloroethane-d5	1.59	69	20768	5.10	ug/L	0.00
Spiked Amount	5.000	Range	65 - 130	Recovery	=	102.00%
11) 1,1-Dichloroethene-d2	2.13	63	37862	3.56	ug/L	0.00
Spiked Amount	5.000	Range	60 - 125	Recovery	=	71.20%
20) 2-Butanone-d5	3.98	46	71179	50.18	ug/L	0.01
Spiked Amount	50.000	Range	40 - 130	Recovery	=	100.36%
24) Chloroform-d	4.41	84	53436	4.97	ug/L	0.00
Spiked Amount	5.000	Range	70 - 125	Recovery	=	99.40%
26) 1,2-Dichloroethane-d4	5.09	65	29356	4.97	ug/L	0.00
Spiked Amount	5.000	Range	70 - 130	Recovery	=	99.40%
32) Benzene-d6	5.10	84	104024	5.12	ug/L	0.00
Spiked Amount	5.000	Range	70 - 125	Recovery	=	102.40%
36) 1,2-Dichloropropane-d6	6.12	67	33336	5.17	ug/L	0.00
Spiked Amount	5.000	Range	60 - 140	Recovery	=	103.40%
41) Toluene-d8	7.36	98	97203	4.70	ug/L	0.00
Spiked Amount	5.000	Range	70 - 130	Recovery	=	94.00%
43) trans-1,3-Dichloropropene-	7.67	79	11069	4.46	ug/L	0.00
Spiked Amount	5.000	Range	55 - 130	Recovery	=	89.20%
46) 2-Hexanone-d5	8.14	63	50796	46.39	ug/L	0.00
Spiked Amount	50.000	Range	45 - 130	Recovery	=	92.78%
57) 1,1,2,2-Tetrachloroethane-	10.27	84	23826	4.79	ug/L	0.00
Spiked Amount	5.000	Range	65 - 120	Recovery	=	95.80%
64) 1,2-Dichlorobenzene-d4	11.68	152	40101	5.05	ug/L	0.00
Spiked Amount	5.000	Range	80 - 120	Recovery	=	101.00%

Target Compounds

					Ovalue
2) Dichlorodifluoromethane	1.14	85	3148	0.427 ug/L	97
9) Trichlorofluoromethane	1.77	101	2467	0.215 ug/L	99
19) 1,1-Dichloroethane	3.23	63	13502	1.235 ug/L	97
22) cis-1,2-Dichloroethene	3.97	96	4251	0.655 ug/L	93
34) Trichloroethene	5.96	95	2982	0.427 ug/L	94
47) Tetrachloroethene	8.02	164	11687	1.807 ug/L	98

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



#2

Dichlorodifluoromethane

Concen: 0.427 ug/L

RT: 1.14 min Scan# 16

Delta R.T. 0.00 min

Lab File: VV008016.D

Acq: 02 Oct 2018 01:05

Instrument :

MSVOA_V

ClientSampled :

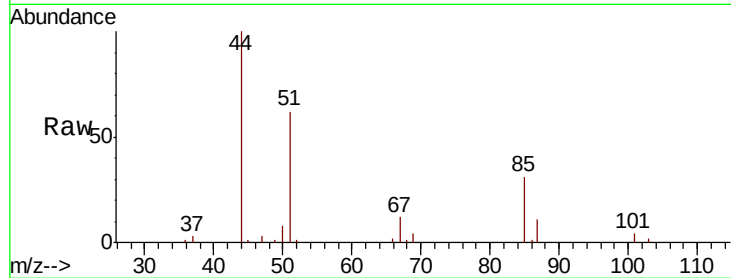
GACA4

Tot Ion: 85 Resp: 3148

Ion Ratio Lower Upper

85 100

87 29.7 25.2 37.8



Abundance Ion 85.00 (84.70 to 85.70): VV007999.D (-8) (-)

Ion 87.00 (86.70 to 87.70): VV007999.D (-8) (-)

1.14

3000

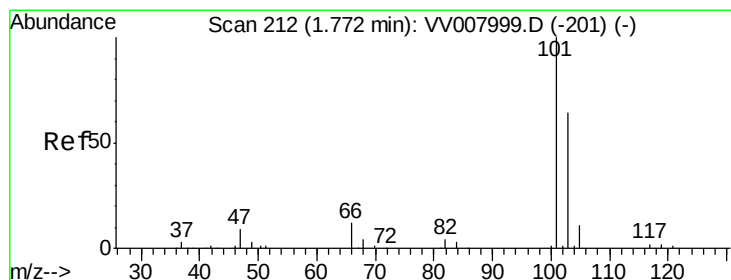
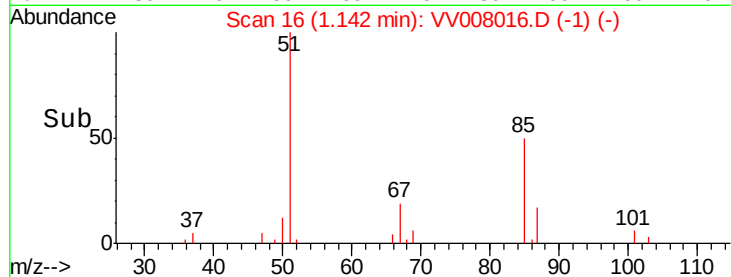
2000

1000

0

1.10 1.15 1.20

Time-->



#9

Trichlorofluoromethane

Concen: 0.215 ug/L

RT: 1.77 min Scan# 212

Delta R.T. -0.00 min

Lab File: VV008016.D

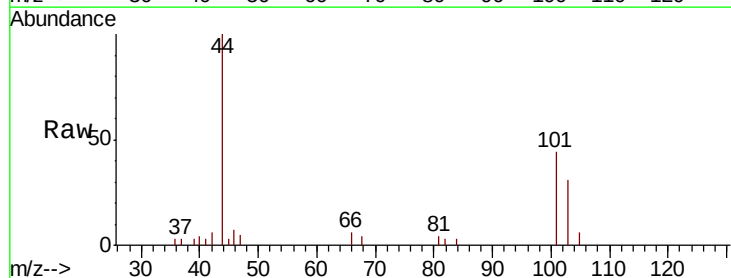
Acq: 02 Oct 2018 01:05

Tgt Ion: 101 Resp: 2467

Ion Ratio Lower Upper

101 100

103 65.0 51.5 77.3



Abundance Ion 101.00 (100.70 to 101.70): VV007999.D (-201) (-)

Ion 103.00 (102.70 to 103.70): VV007999.D (-201) (-)

1.77

2000

1500

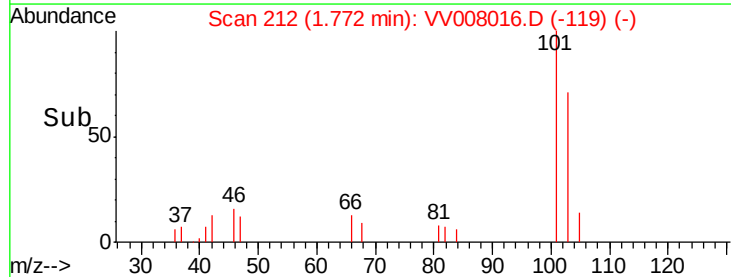
1000

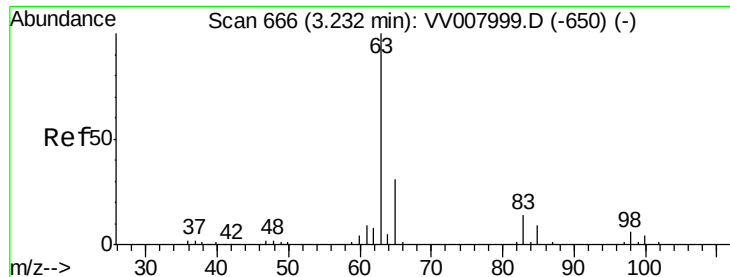
500

0

1.74 1.76 1.78 1.80

Time-->





#19

1,1-Dichloroethane

Concen: 1.235 ug/L

RT: 3.23 min Scan# 665

Delta R.T. -0.00 min

Lab File: VV008016.D

Acq: 02 Oct 2018 01:05

Instrument :

MSVOA_V

ClientSampleId :

GACA4

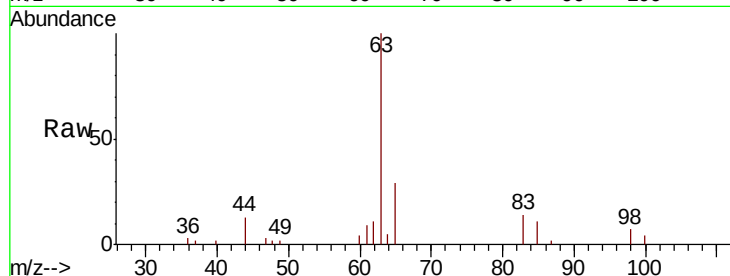
Tot Ion: 63 Resp: 13502

Ion Ratio Lower Upper

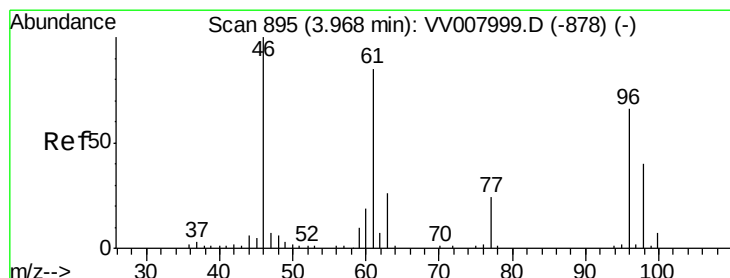
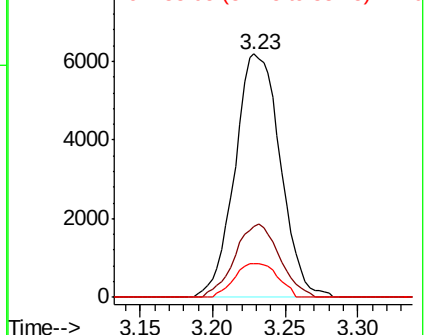
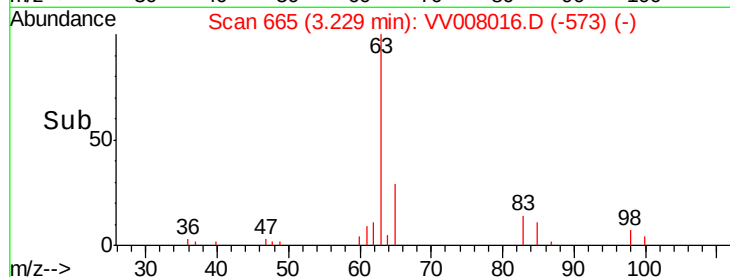
63 100

65 29.3 22.3 41.5

83 13.8 9.8 18.2



Abundance Ion 63.10 (62.80 to 63.80): VV008016.D (-573) (-)



#22

cis-1,2-Dichloroethene

Concen: 0.655 ug/L

RT: 3.97 min Scan# 896

Delta R.T. 0.00 min

Lab File: VV008016.D

Acq: 02 Oct 2018 01:05

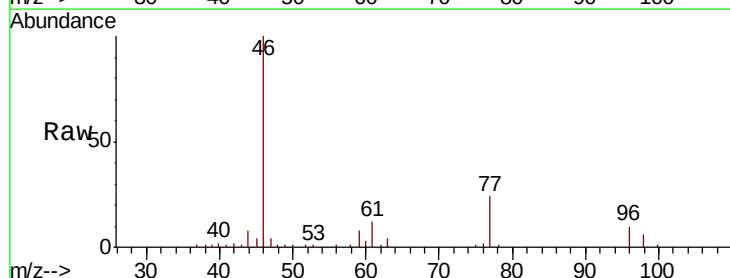
Tgt Ion: 96 Resp: 4251

Ion Ratio Lower Upper

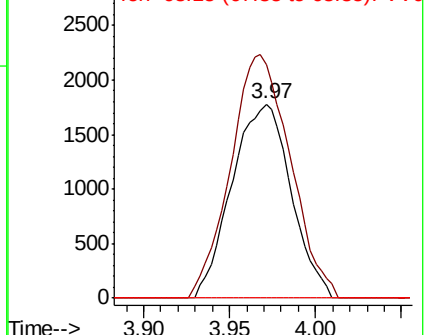
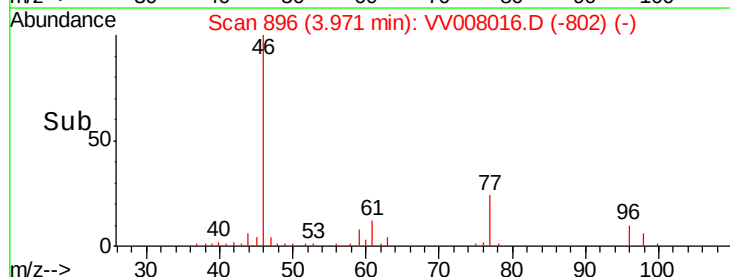
96 100

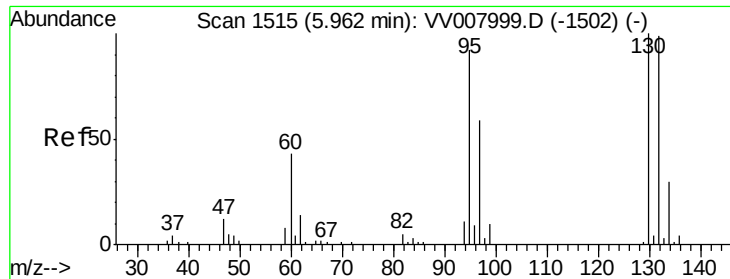
61 120.1 89.5 166.1

68 0.0 0.0 0.0



Abundance Ion 96.00 (95.70 to 96.70): VV008016.D (-802) (-)





#34

Trichloroethene

Concen: 0.427 ug/L

RT: 5.96 min Scan# 1516

Delta R.T. 0.00 min

Lab File: VV008016.D

Acq: 02 Oct 2018 01:05

Instrument :

MSVOA_V

ClientSampleId :

GACA4

Tot Ion: 95 Resp: 2982

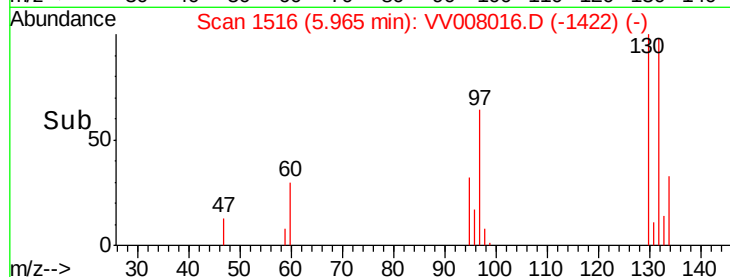
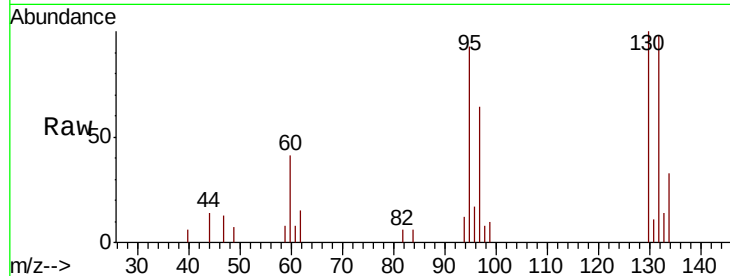
Ion Ratio Lower Upper

95 100

97 68.9 43.6 81.0

132 105.0 69.9 129.9

130 107.6 71.7 133.3

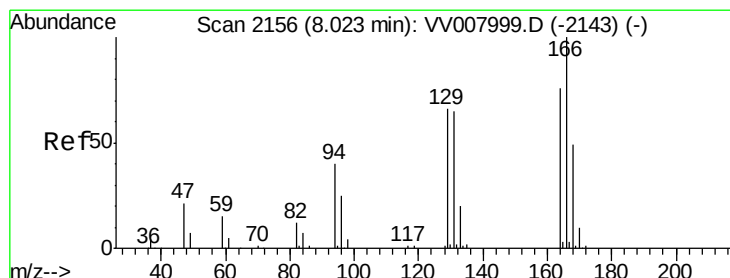
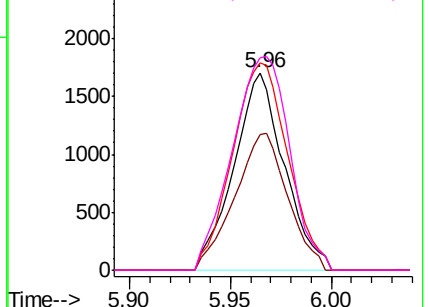


Abundance Ion 95.00 (94.70 to 95.70): VV0

Ion 96.95 (96.65 to 97.65): VV0

Ion 131.95 (131.65 to 132.65): V

Ion 129.95 (129.65 to 130.65): V



#47

Tetrachloroethene

Concen: 1.807 ug/L

RT: 8.02 min Scan# 2156

Delta R.T. -0.00 min

Lab File: VV008016.D

Acq: 02 Oct 2018 01:05

Tgt Ion:164 Resp: 11687

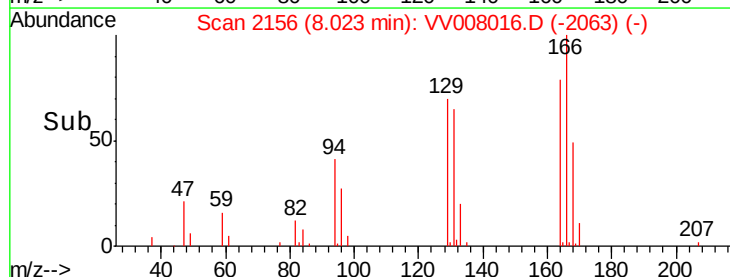
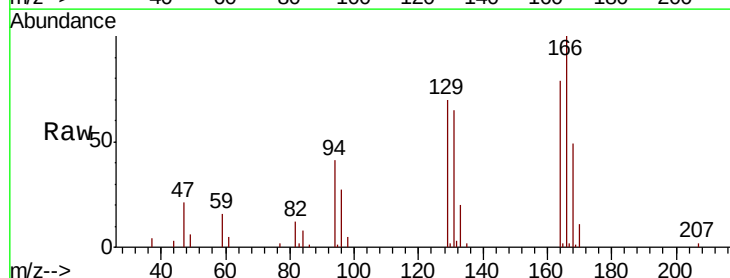
Ion Ratio Lower Upper

164 100

129 88.5 59.2 110.0

131 82.4 57.1 106.1

166 126.2 88.6 164.6



Abundance Ion 163.90 (163.60 to 164.60): V

Ion 128.95 (128.65 to 129.65): V

Ion 130.95 (130.65 to 131.65): V

Ion 165.90 (165.60 to 166.60): V

