

Data Path : Z:\VOASRV\HPCHEM1\MSVOA V\DATA\VV100118\
 Data File : VV008015.D
 Acq On : 02 Oct 2018 00:38
 Operator : SY/MD
 Sample : J5159-19
 Misc : 25.0 mL/MSVOA V/WATER
 ALS Vial : 28 Sample Multiplier: 1

Instrument :
 MSVOA_V
 ClientSampleId :
 GACA3

Quant Time: Oct 02 04:19:42 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	91573	5.00	ug/L	0.00
28) Chlorobenzene-d5	8.90	117	87122	5.00	ug/L	0.00
60) 1,4-Dichlorobenzene-d4	11.30	152	42571	5.00	ug/L	0.00

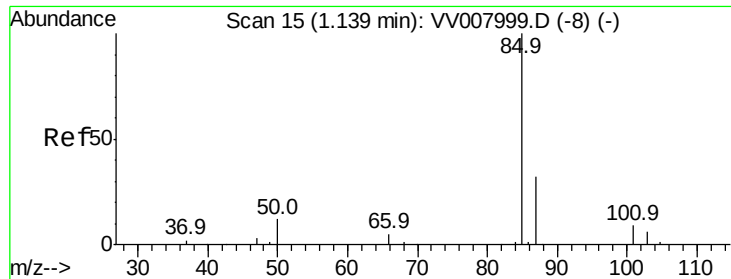
System Monitoring Compounds

4) Vinyl Chloride-d3	1.32	65	24661	5.02	ug/L	0.00
Spiked Amount	5.000	Range	40 - 130	Recovery	=	100.40%
7) Chloroethane-d5	1.59	69	21570	5.09	ug/L	0.00
Spiked Amount	5.000	Range	65 - 130	Recovery	=	101.80%
11) 1,1-Dichloroethene-d2	2.13	63	39056	3.52	ug/L	0.00
Spiked Amount	5.000	Range	60 - 125	Recovery	=	70.40%
20) 2-Butanone-d5	3.98	46	69346	46.96	ug/L	0.00
Spiked Amount	50.000	Range	40 - 130	Recovery	=	93.92%
24) Chloroform-d	4.41	84	54390	4.86	ug/L	0.00
Spiked Amount	5.000	Range	70 - 125	Recovery	=	97.20%
26) 1,2-Dichloroethane-d4	5.09	65	29729	4.83	ug/L	0.00
Spiked Amount	5.000	Range	70 - 130	Recovery	=	96.60%
32) Benzene-d6	5.10	84	107345	5.16	ug/L	0.00
Spiked Amount	5.000	Range	70 - 125	Recovery	=	103.20%
36) 1,2-Dichloropropane-d6	6.12	67	33210	5.04	ug/L	0.00
Spiked Amount	5.000	Range	60 - 140	Recovery	=	100.80%
41) Toluene-d8	7.36	98	100041	4.72	ug/L	0.00
Spiked Amount	5.000	Range	70 - 130	Recovery	=	94.40%
43) trans-1,3-Dichloropropene-	7.67	79	10559	4.16	ug/L	0.00
Spiked Amount	5.000	Range	55 - 130	Recovery	=	83.20%
46) 2-Hexanone-d5	8.14	63	49984	44.60	ug/L	0.00
Spiked Amount	50.000	Range	45 - 130	Recovery	=	89.20%
57) 1,1,2,2-Tetrachloroethane-	10.26	84	23760	4.67	ug/L	0.00
Spiked Amount	5.000	Range	65 - 120	Recovery	=	93.40%
64) 1,2-Dichlorobenzene-d4	11.68	152	41532	5.04	ug/L	0.00
Spiked Amount	5.000	Range	80 - 120	Recovery	=	100.80%

Target Compounds

					Ovalue
2) Dichlorodifluoromethane	1.14	85	3159	0.411 ug/L	99
9) Trichlorofluoromethane	1.77	101	2498	0.209 ug/L	96
19) 1,1-Dichloroethane	3.23	63	13736	1.207 ug/L	95
22) cis-1,2-Dichloroethene	3.96	96	4170	0.617 ug/L	88
29) 1,1,1-Trichloroethane	4.66	97	1102	0.105 ug/L #	81
34) Trichloroethene	5.96	95	3349	0.469 ug/L	89
35) Methylcyclohexane	6.12	83	8353	0.780 ug/L #	19
37) 1,2-Dichloropropane	6.12	63	4016	0.630 ug/L #	87
39) cis-1,3-Dichloropropene	7.03	75	789	0.093 ug/L #	57
47) Tetrachloroethene	8.02	164	11466	1.732 ug/L	97
49) Dibromochloromethane	8.02	129	9626	1.833 ug/L #	12

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



#2

Dichlorodifluoromethane

Concen: 0.411 ug/L

RT: 1.14 min Scan# 15

Delta R.T. 0.00 min

Lab File: VV008015.D

Acq: 02 Oct 2018 00:38

Instrument :

MSVOA_V

ClientSampleId :

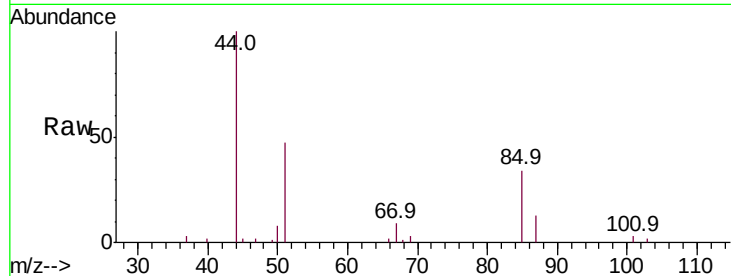
GACA3

Tot Ion: 85 Resp: 3159

Ion Ratio Lower Upper

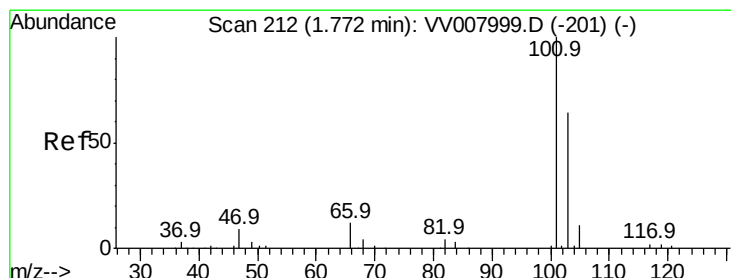
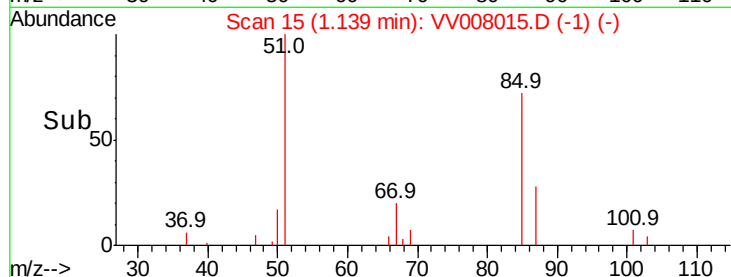
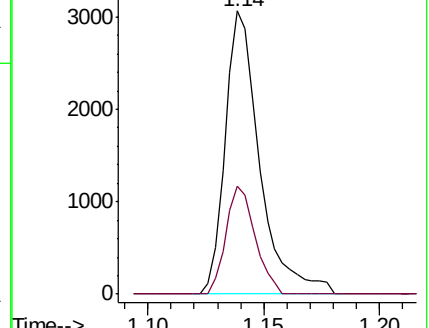
85 100

87 32.1 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) (-)



#9

Trichlorofluoromethane

Concen: 0.209 ug/L

RT: 1.77 min Scan# 212

Delta R.T. 0.00 min

Lab File: VV008015.D

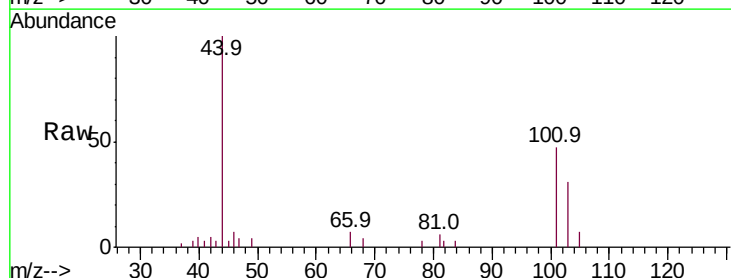
Acq: 02 Oct 2018 00:38

Tgt Ion: 101 Resp: 2498

Ion Ratio Lower Upper

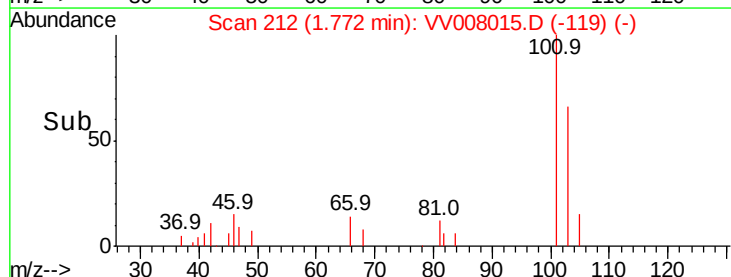
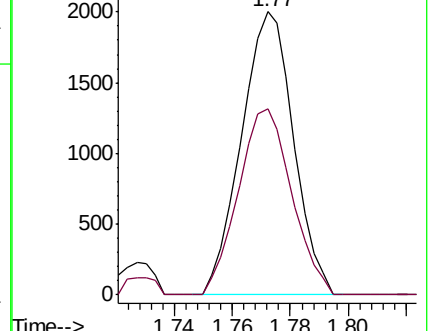
101 100

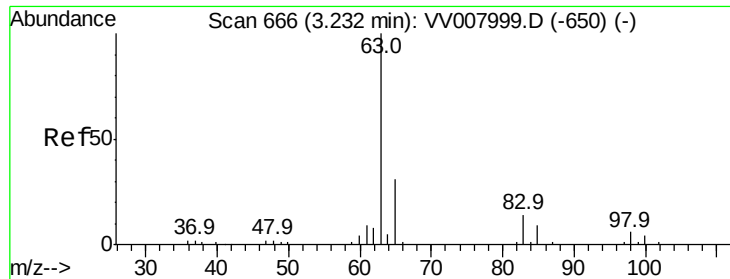
103 67.3 51.5 77.3



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

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





#19

1,1-Dichloroethane

Concen: 1.207 ug/L

RT: 3.23 min Scan# 666

Delta R.T. 0.00 min

Lab File: VV008015.D

Acq: 02 Oct 2018 00:38

Instrument :

MSVOA_V

ClientSampleId :

GACA3

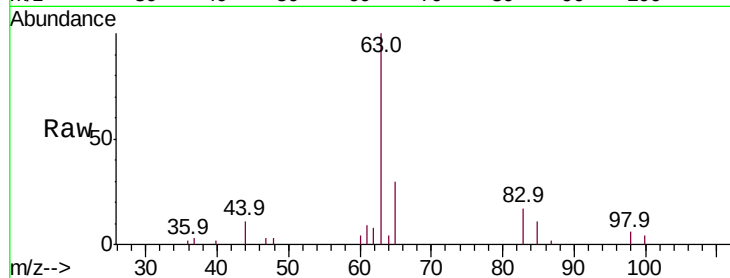
Tot Ion: 63 Resp: 13736

Ion Ratio Lower Upper

63 100

65 29.9 22.3 41.5

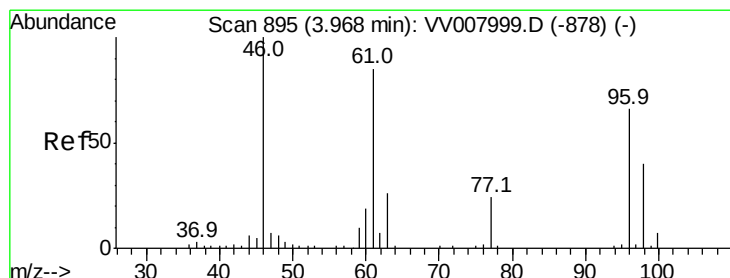
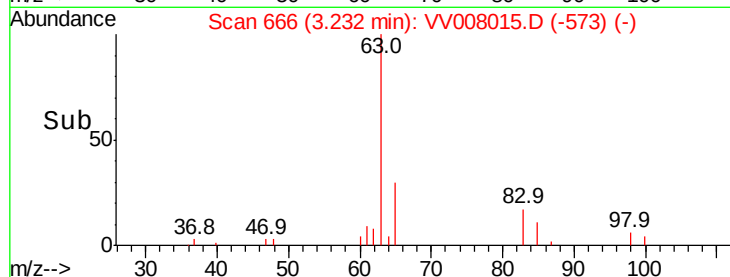
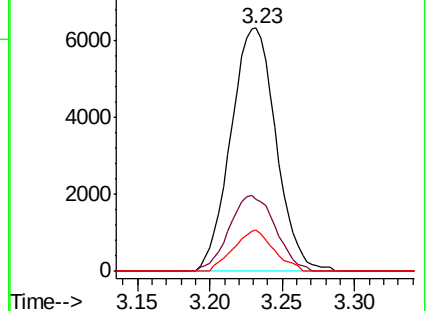
83 16.8 9.8 18.2



Abundance Ion 63.10 (62.80 to 63.80): VV007999.D (-650) (-)

Ion 65.10 (64.80 to 65.80): VV007999.D (-650) (-)

Ion 83.05 (82.75 to 83.75): VV007999.D (-650) (-)



#22

cis-1,2-Dichloroethene

Concen: 0.617 ug/L

RT: 3.96 min Scan# 894

Delta R.T. -0.00 min

Lab File: VV008015.D

Acq: 02 Oct 2018 00:38

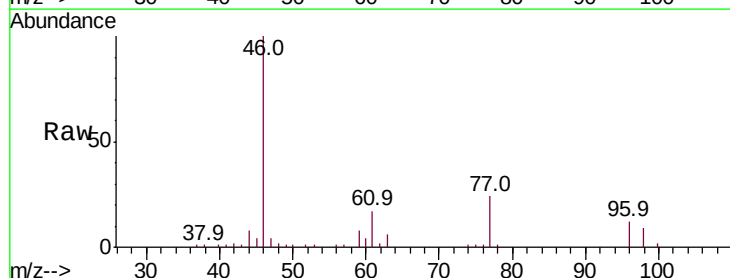
Tgt Ion: 96 Resp: 4170

Ion Ratio Lower Upper

96 100

61 142.2 89.5 166.1

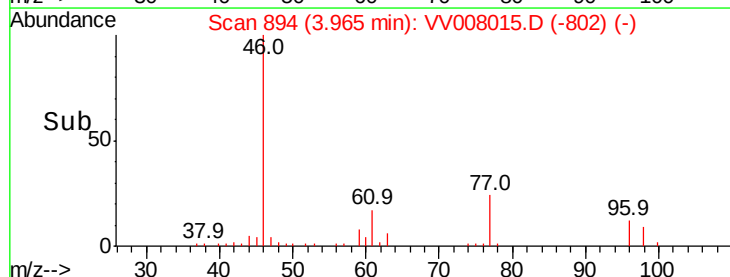
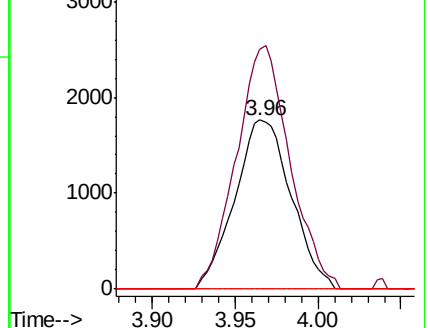
68 0.0 0.0 0.0

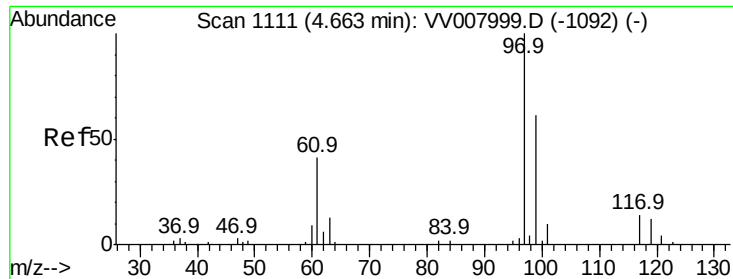


Abundance Ion 96.00 (95.70 to 96.70): VV007999.D (-878) (-)

Ion 61.05 (60.75 to 61.75): VV007999.D (-878) (-)

Ion 68.15 (67.85 to 68.85): VV007999.D (-878) (-)

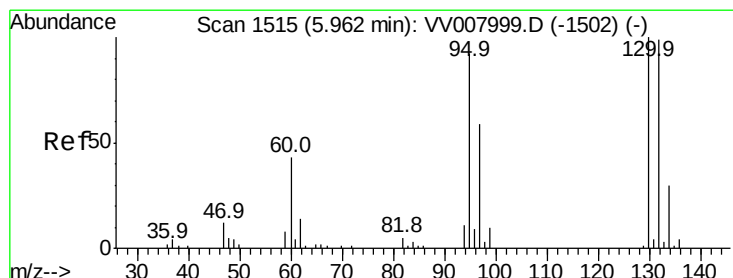
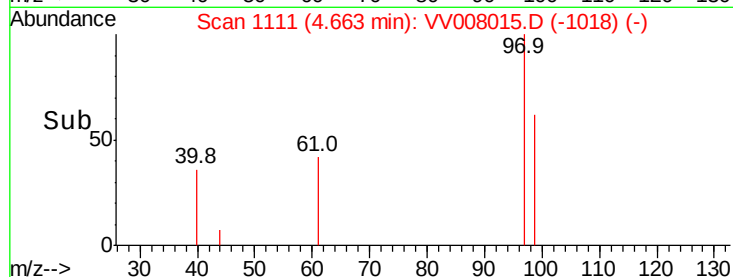
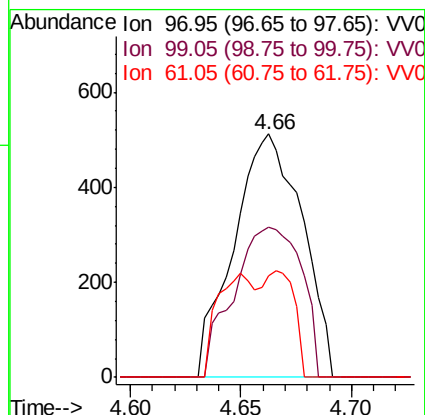
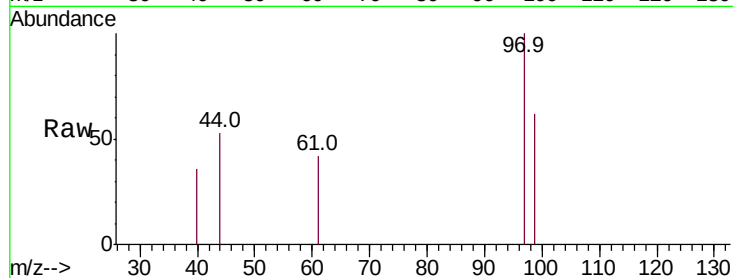




#29
1,1,1-Trichloroethane
Concen: 0.105 ug/L
RT: 4.66 min Scan# 1111
Delta R.T. 0.00 min
Lab File: VV008015.D
Acq: 02 Oct 2018 00:38

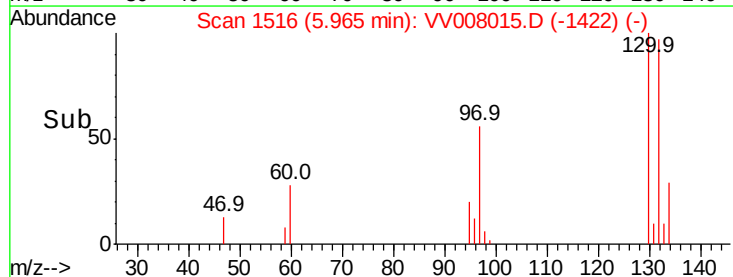
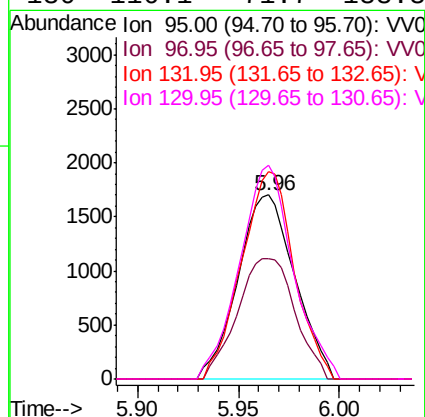
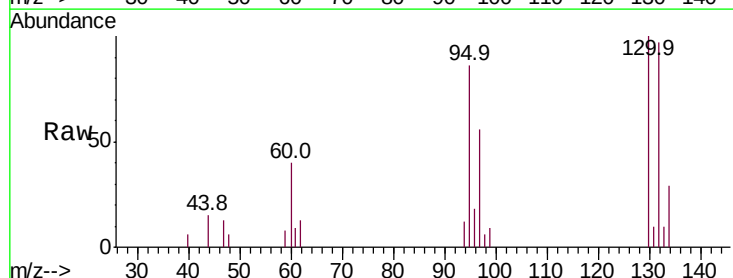
Instrument :
MSVOA_V
ClientSampled :
GACA3

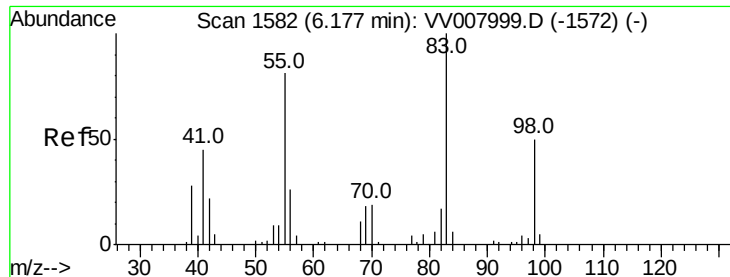
Tot Ion: 97 Resp: 1102
Ion Ratio Lower Upper
97 100
99 60.8 51.2 76.8
61 17.6 34.6 52.0#



#34
Trichloroethene
Concen: 0.469 ug/L
RT: 5.96 min Scan# 1516
Delta R.T. 0.00 min
Lab File: VV008015.D
Acq: 02 Oct 2018 00:38

Tgt Ion: 95 Resp: 3349
Ion Ratio Lower Upper
95 100
97 65.3 43.6 81.0
132 113.0 69.9 129.9
130 116.1 71.7 133.3





#35

Methylvlcyclohexane

Concen: 0.780 ug/L

RT: 6.12 min Scan# 1565

Delta R.T. -0.05 min

Lab File: VV008015.D

Acq: 02 Oct 2018 00:38

Instrument :

MSVOA_V

ClientSampleId :

GACA3

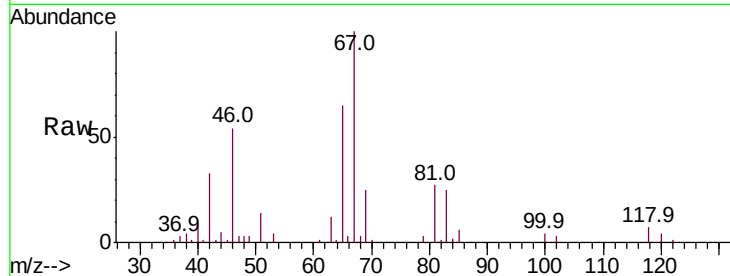
Tot Ion: 83 Resp: 8353

Ion Ratio Lower Upper

83 100

55 0.0 62.2 93.2#

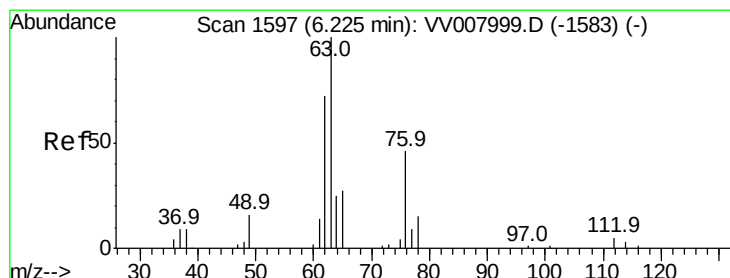
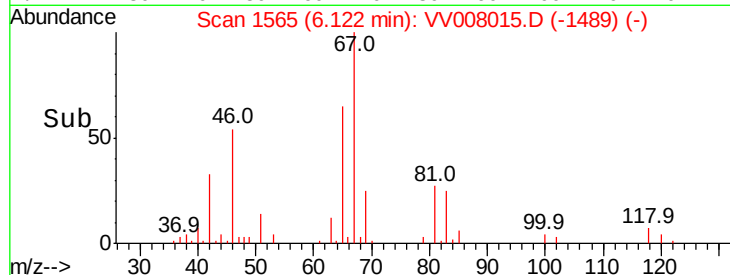
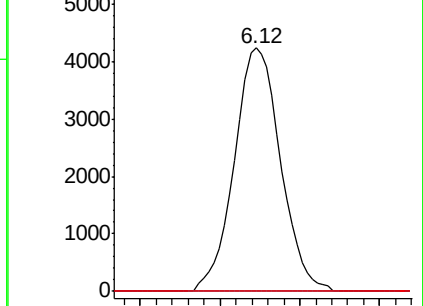
98 2.1 38.0 57.0#



Abundance Ion 83.15 (82.85 to 83.85): VV0

Ion 55.10 (54.80 to 55.80): VV0

Ion 98.15 (97.85 to 98.85): VV0



#37

1,2-Dichloropropane

Concen: 0.630 ug/L

RT: 6.12 min Scan# 1565

Delta R.T. -0.10 min

Lab File: VV008015.D

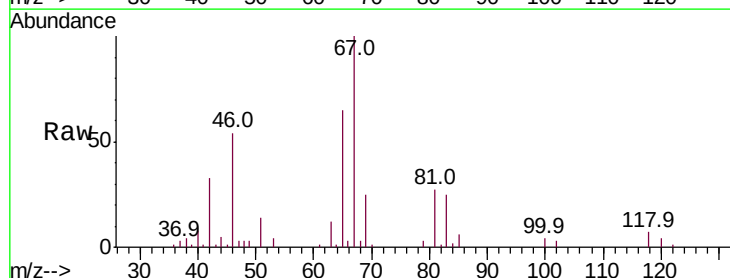
Acq: 02 Oct 2018 00:38

Tgt Ion: 63 Resp: 4016

Ion Ratio Lower Upper

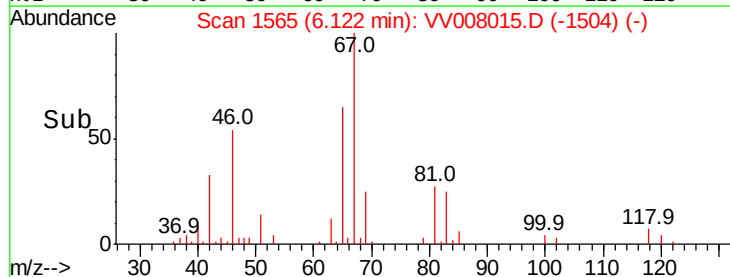
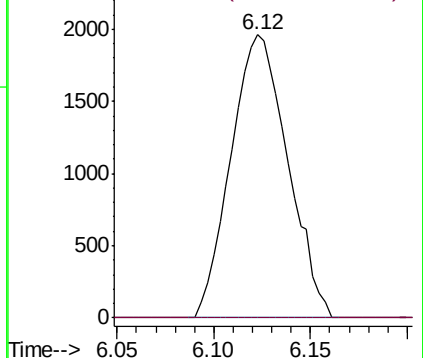
63 100

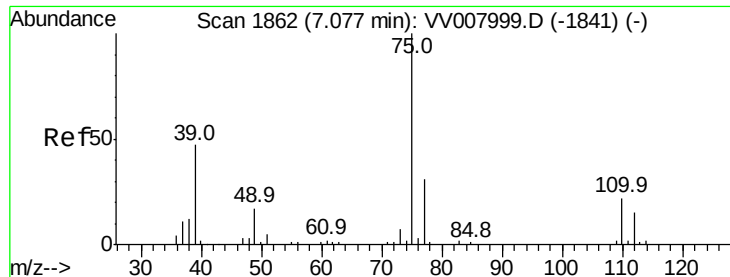
112 0.0 3.4 5.0#



Abundance Ion 63.10 (62.80 to 63.80): VV0

Ion 112.10 (111.80 to 112.80): V





#39

cis-1,3-Dichloropropene

Concen: 0.093 ug/L

RT: 7.03 min Scan# 1848

Delta R.T. -0.04 min

Lab File: VV008015.D

Acq: 02 Oct 2018 00:38

Instrument :

MSVOA_V

ClientSampleId :

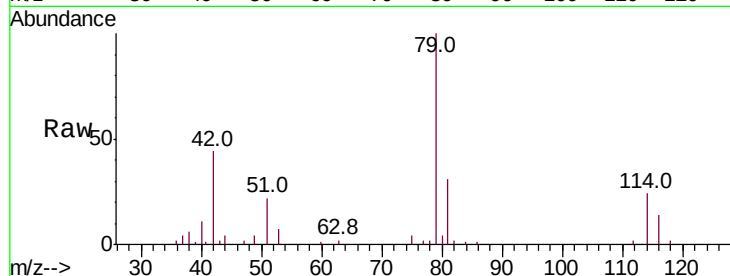
GACA3

Tot Ion: 75 Resp: 789

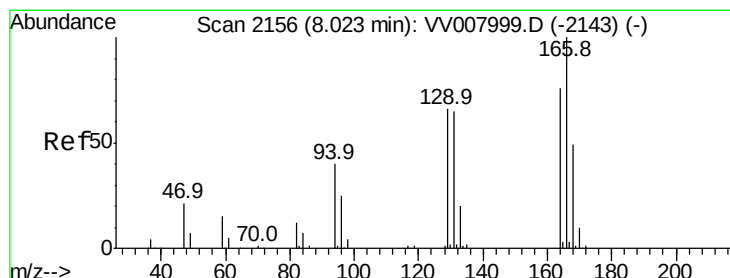
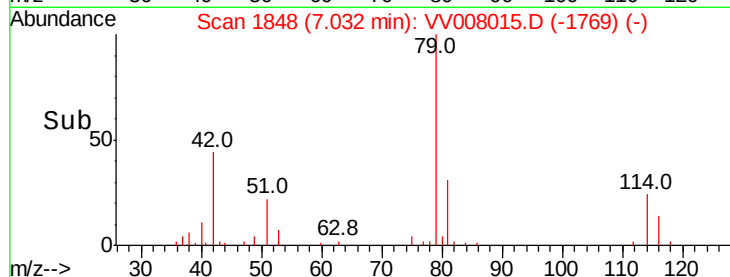
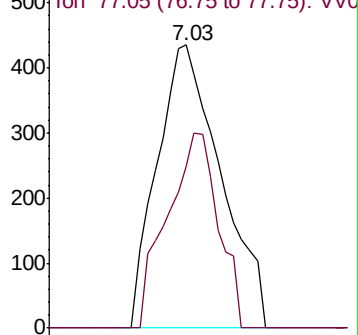
Ion Ratio Lower Upper

75 100

77 57.0 22.9 42.5#



Abundance Ion 75.05 (74.75 to 75.75): VV007999.D (-1841) (-)



#47

Tetrachloroethene

Concen: 1.732 ug/L

RT: 8.02 min Scan# 2155

Delta R.T. -0.00 min

Lab File: VV008015.D

Acq: 02 Oct 2018 00:38

Tgt Ion: 164 Resp: 11466

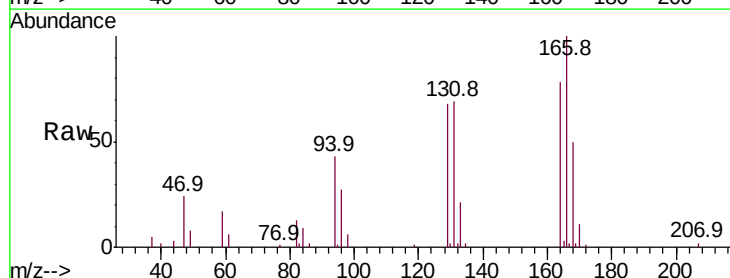
Ion Ratio Lower Upper

164 100

129 86.3 59.2 110.0

131 88.2 57.1 106.1

166 127.6 88.6 164.6

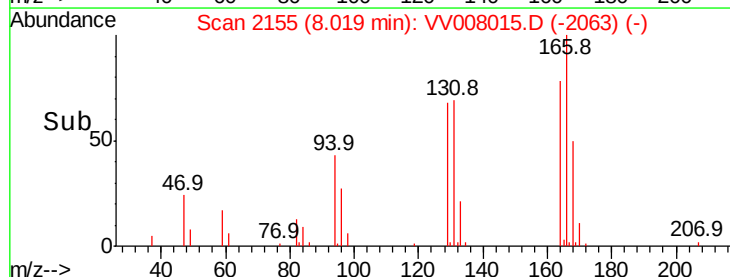
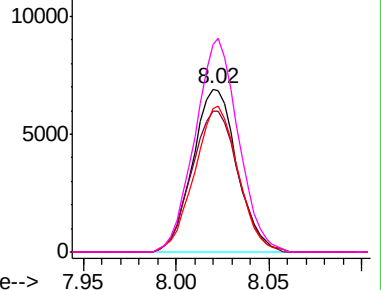


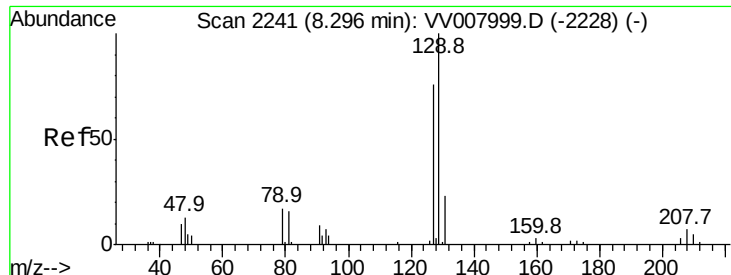
Abundance Ion 163.90 (163.60 to 164.60): VV007999.D (-2143) (-)

Ion 128.95 (128.65 to 129.65): VV007999.D (-2143) (-)

Ion 130.95 (130.65 to 131.65): VV007999.D (-2143) (-)

Ion 165.90 (165.60 to 166.60): VV007999.D (-2143) (-)





#49

Dibromochloromethane

Concen: 1.833 ug/L

RT: 8.02 min Scan# 2155

Delta R.T. -0.28 min

Lab File: VV008015.D

Acq: 02 Oct 2018 00:38

Instrument :

MSVOA_V

ClientSampleId :

GACA3

Tot Ion:129 Resp: 9626

Ion Ratio Lower Upper

129 100

127 0.0 53.1 98.5#

