

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 04:19:47 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

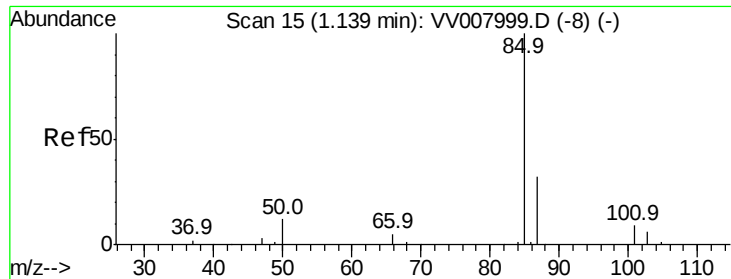
System Monitoring Compounds

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

Target Compounds	R.T.	QIon	Response	Conc	Units	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
29) 1,1,1-Trichloroethane	4.66	97	1087	0.106	ug/L	98
34) Trichloroethene	5.96	95	2982	0.427	ug/L	94
35) Methylcyclohexane	6.13	83	7819	0.747	ug/L #	20
37) 1,2-Dichloropropane	6.13	63	3931	0.631	ug/L #	87
39) cis-1,3-Dichloropropene	7.03	75	903	0.108	ug/L #	74
47) Tetrachloroethene	8.02	164	11687	1.807	ug/L	98
49) Dibromochloromethane	8.02	129	9714	1.893	ug/L #	12

(#) = 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 :

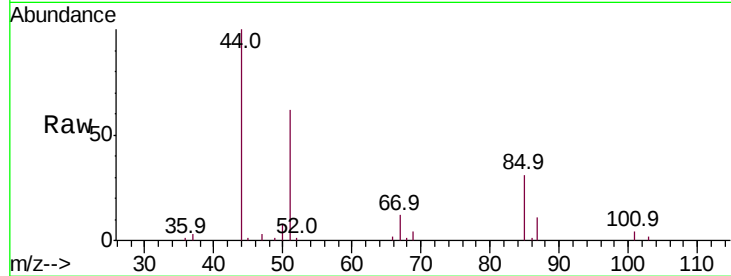
GACA4

Tot Ion: 85 Resp: 3148

Ion Ratio Lower Upper

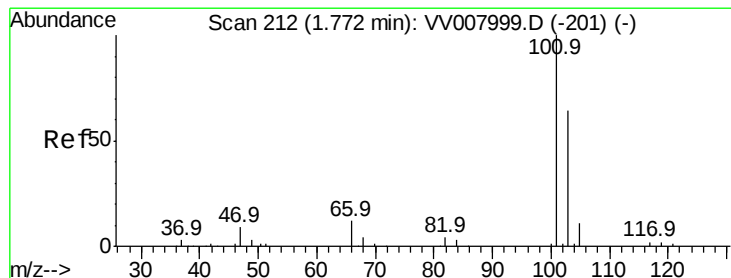
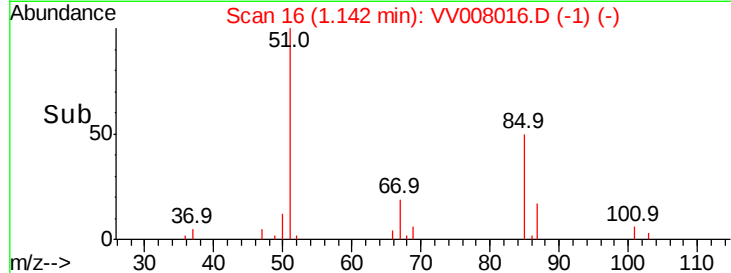
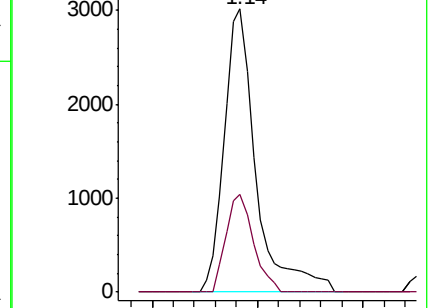
85 100

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) (-)



#9

Trichlorofluoromethane

Concen: 0.215 ug/L

RT: 1.77 min Scan# 212

Delta R.T. -0.00 min

Lab File: VV008016.D

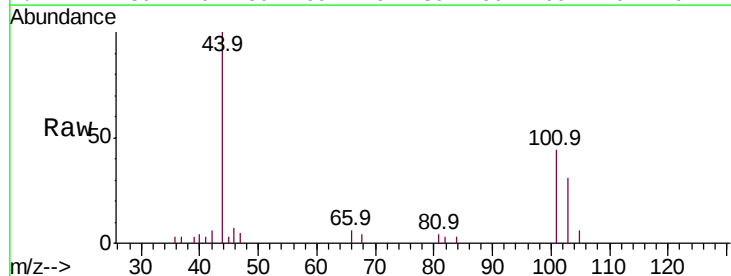
Acq: 02 Oct 2018 01:05

Tgt Ion: 101 Resp: 2467

Ion Ratio Lower Upper

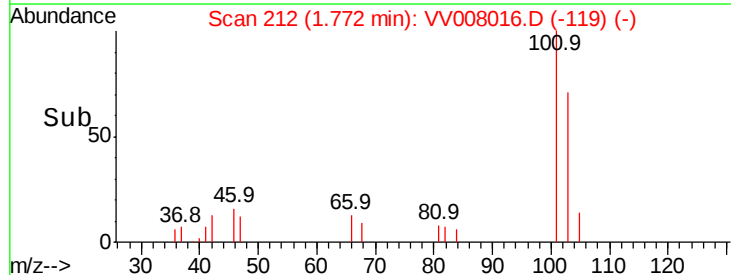
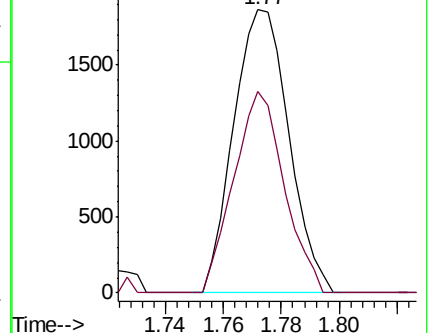
101 100

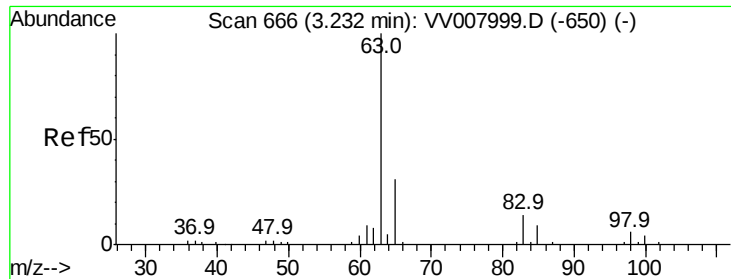
103 65.0 51.5 77.3



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

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

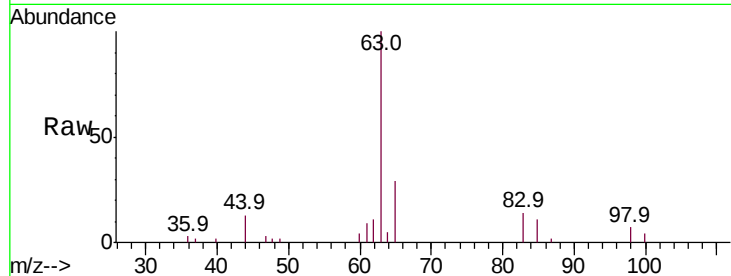




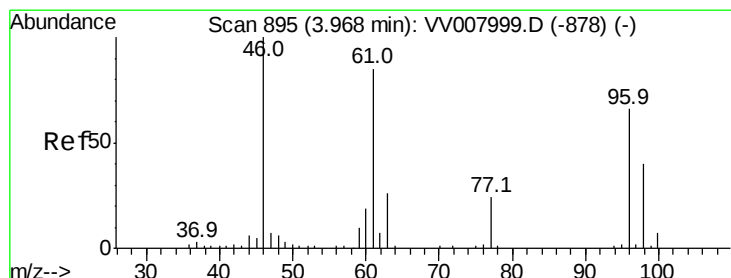
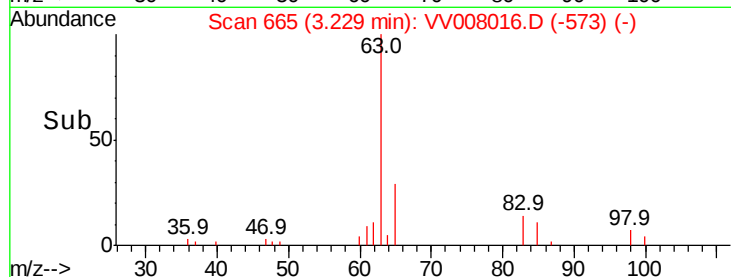
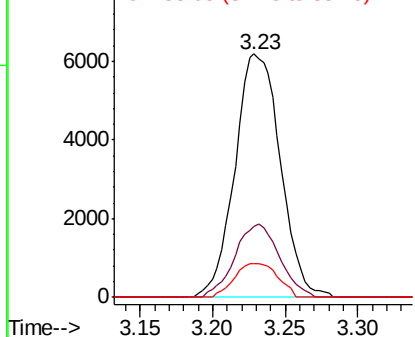
#19
 1,1-Dichloroethane
 Concen: 1.235 ug/L
 RT: 3.23 min Scan# 665
 Delta R.T. -0.00 min
 Lab File: VV008016.D
 Acq: 02 Oct 2018 01:05

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

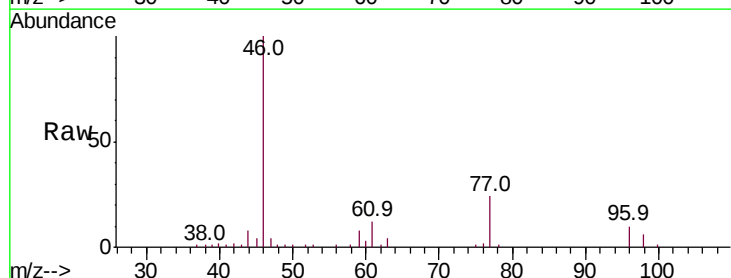


Abundance Ion 63.10 (62.80 to 63.80): VV0
 Ion 65.10 (64.80 to 65.80): VV0
 Ion 83.05 (82.75 to 83.75): VV0

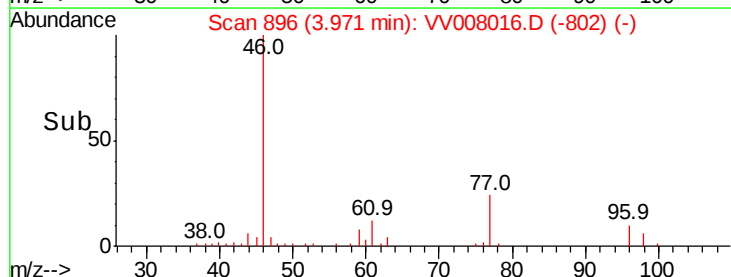
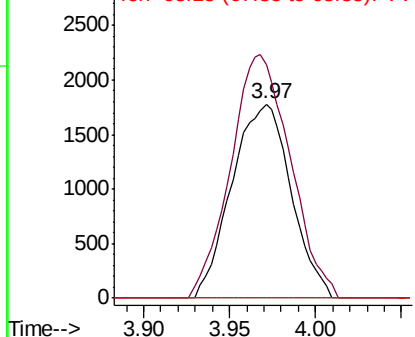


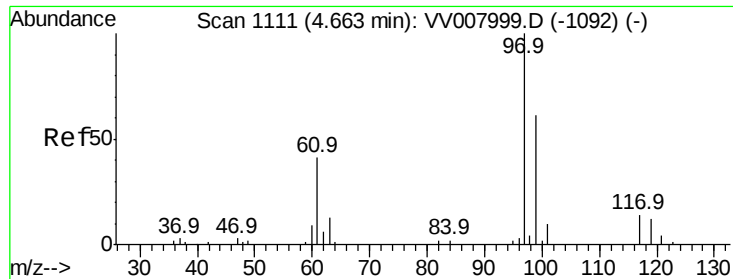
#22
 cis-1,2-Dichloroethene
 Concen: 0.655 ug/L
 RT: 3.97 min Scan# 896
 Delta R.T. 0.00 min
 Lab File: VV008016.D
 Acq: 02 Oct 2018 01:05

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): VV0
 Ion 61.05 (60.75 to 61.75): VV0
 Ion 68.15 (67.85 to 68.85): VV0

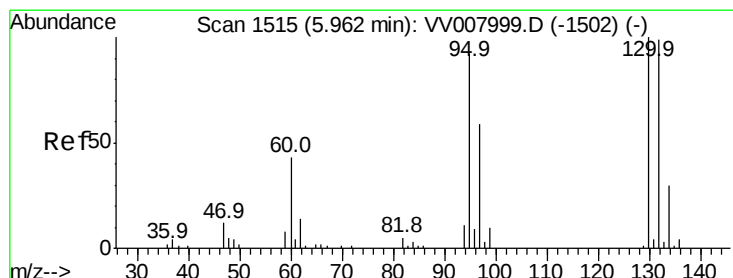
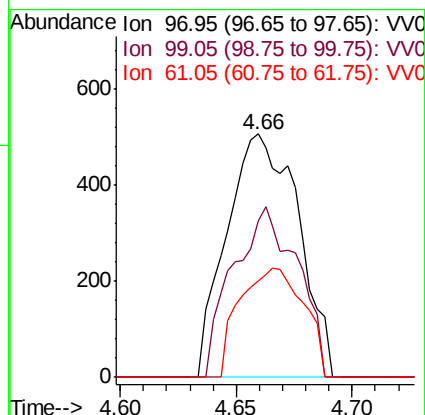
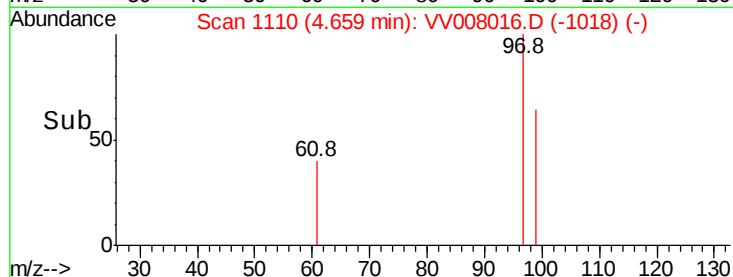
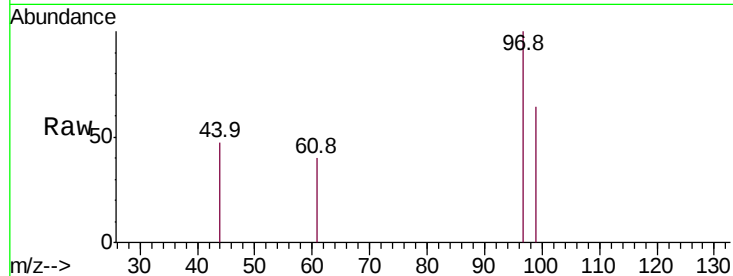




#29
1,1,1-Trichloroethane
Concen: 0.106 ug/L
RT: 4.66 min Scan# 1110
Delta R.T. -0.00 min
Lab File: VV008016.D
Acq: 02 Oct 2018 01:05

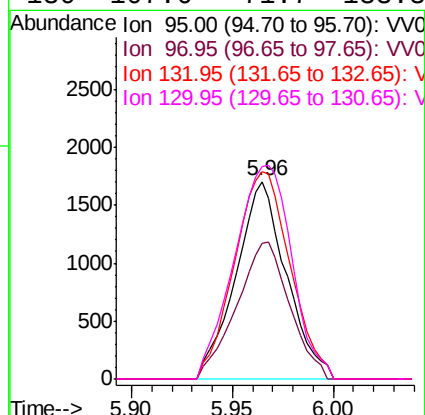
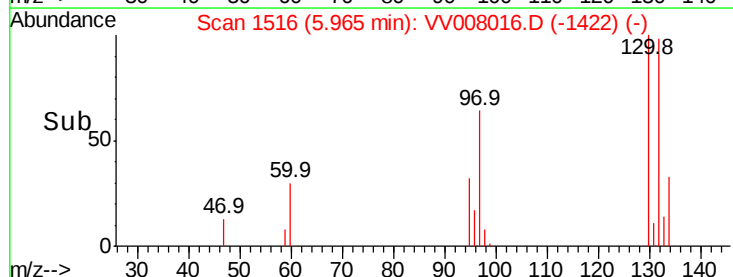
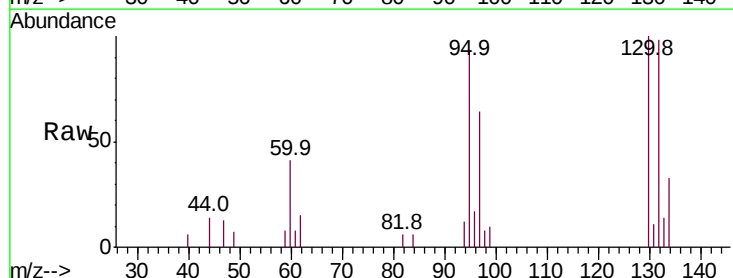
Instrument :
MSVOA_V
ClientSampled :
GACA4

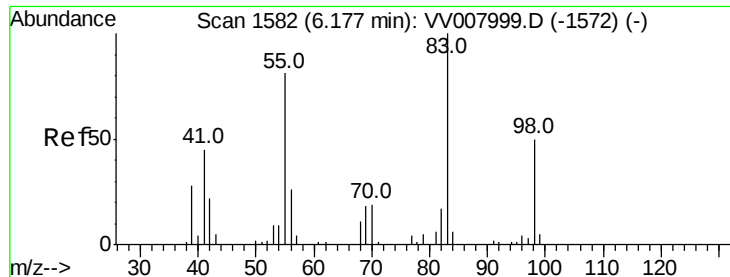
Tot Ion: 97 Resp: 1087
Ion Ratio Lower Upper
97 100
99 63.4 51.2 76.8
61 40.5 34.6 52.0



#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

Tgt 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

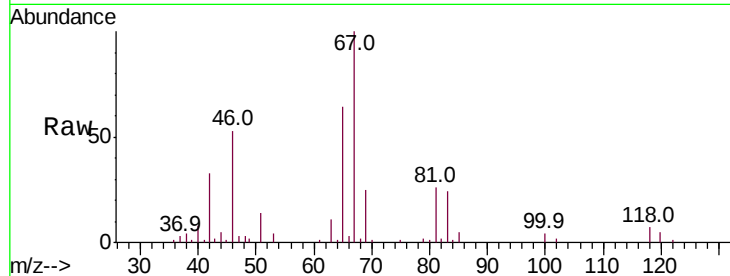




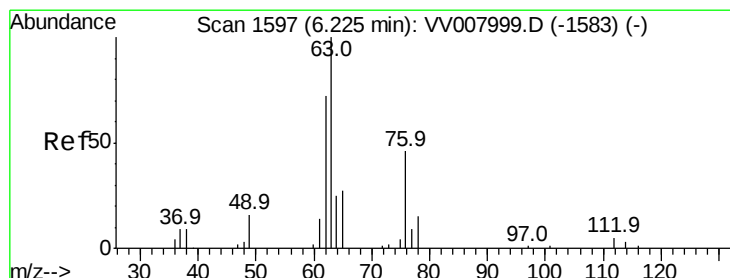
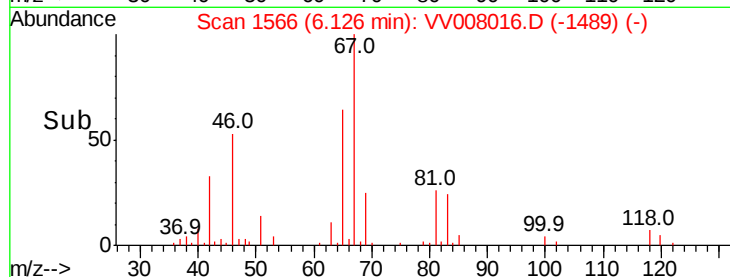
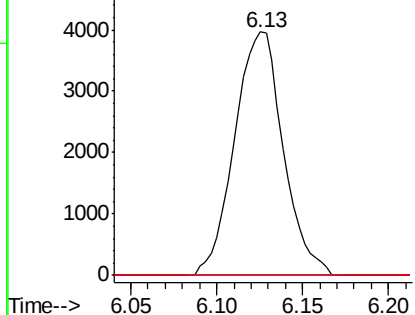
#35
Methvlcvclohexane
Concen: 0.747 ug/L
RT: 6.13 min Scan# 1566
Delta R.T. -0.05 min
Lab File: VV008016.D
Acq: 02 Oct 2018 01:05

Instrument :
MSVOA_V
ClientSampleId :
GACA4

Tot Ion: 83 Resp: 7819
Ion Ratio Lower Upper
83 100
55 0.0 62.2 93.2#
98 3.5 38.0 57.0#

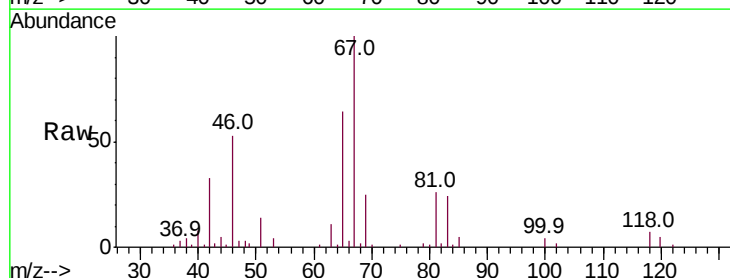


Abundance Ion 83.15 (82.85 to 83.85): VV0
Ion 55.10 (54.80 to 55.80): VV0
Ion 98.15 (97.85 to 98.85): VV0

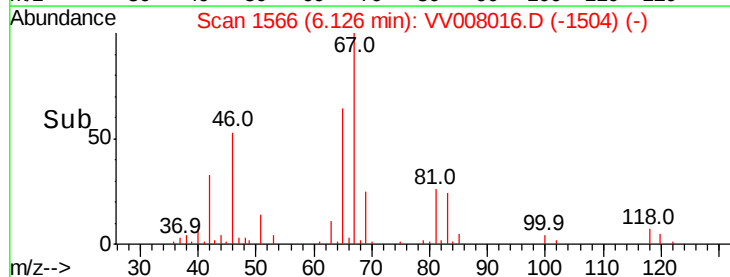
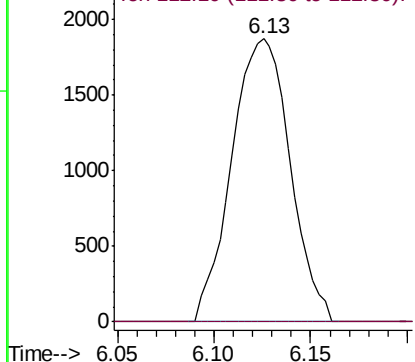


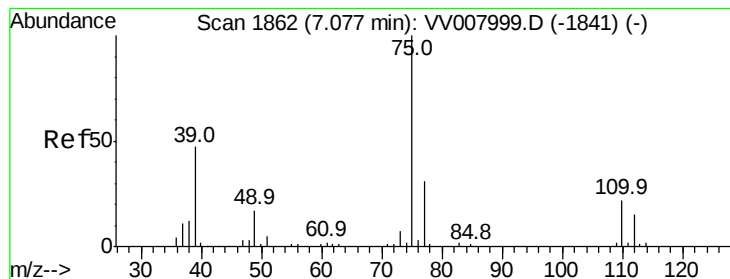
#37
1,2-Dichloropropane
Concen: 0.631 ug/L
RT: 6.13 min Scan# 1566
Delta R.T. -0.10 min
Lab File: VV008016.D
Acq: 02 Oct 2018 01:05

Tgt Ion: 63 Resp: 3931
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: 0.108 ug/L

RT: 7.03 min Scan# 1848

Delta R.T. -0.05 min

Lab File: VV008016.D

Acq: 02 Oct 2018 01:05

Instrument :

MSVOA_V

ClientSampleId :

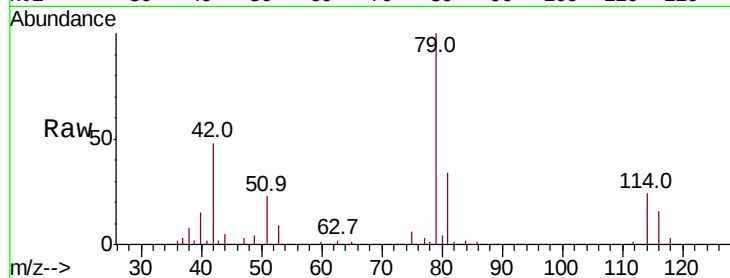
GACA4

Tot Ion: 75 Resp: 903

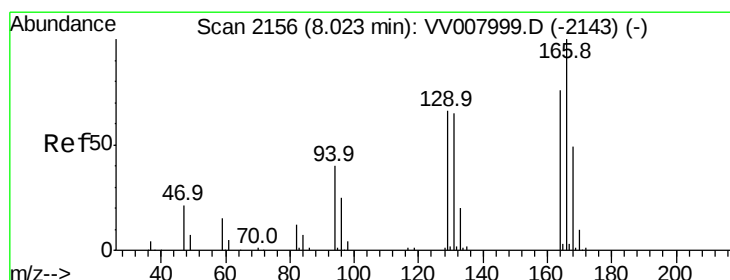
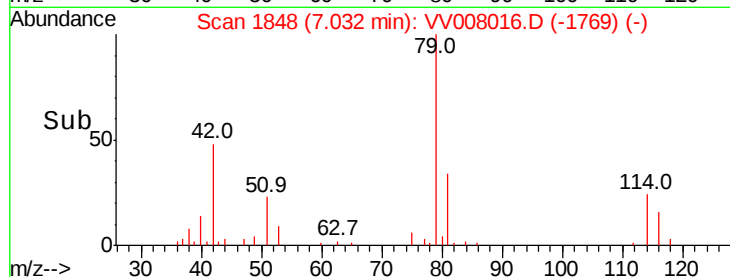
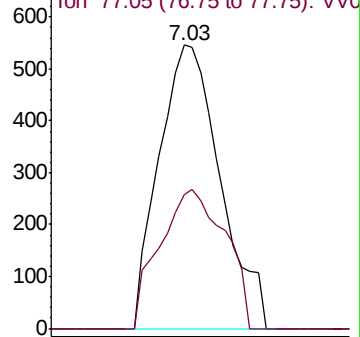
Ion Ratio Lower Upper

75 100

77 47.4 22.9 42.5#



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



#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

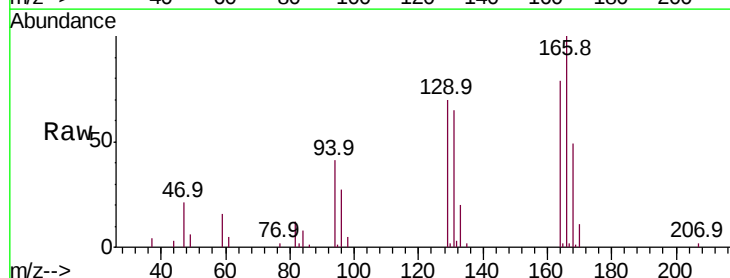
Ion Ratio Lower Upper

164 100

129 88.5 59.2 110.0

131 82.4 57.1 106.1

166 126.2 88.6 164.6

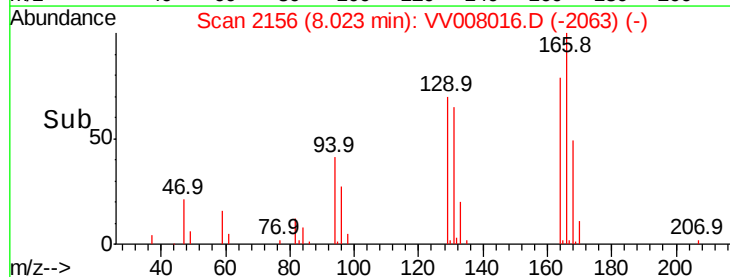
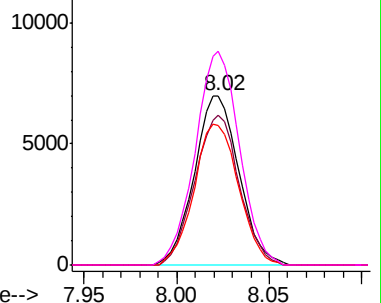


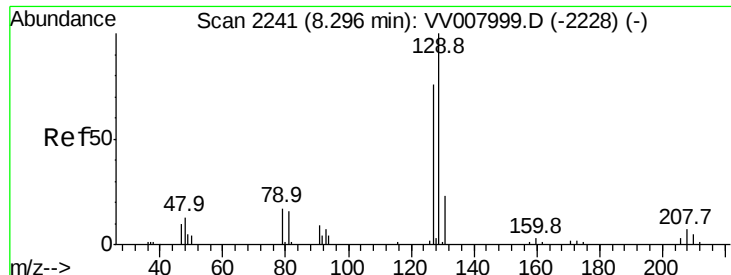
Abundance Ion 163.90 (163.60 to 164.60): VV007999.D (-2143) (-)

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: 1.893 ug/L

RT: 8.02 min Scan# 2156

Delta R.T. -0.27 min

Lab File: VV008016.D

Acq: 02 Oct 2018 01:05

Instrument :

MSVOA_V

ClientSampleId :

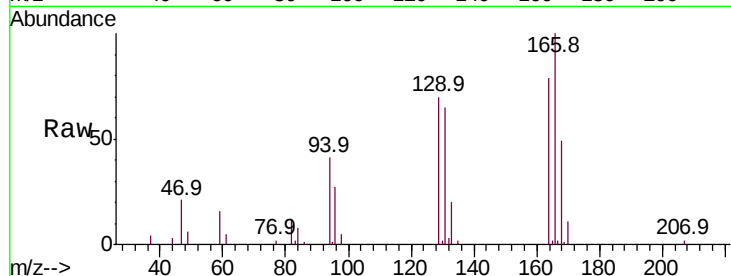
GACA4

Tot Ion:129 Resp: 9714

Ion Ratio Lower Upper

129 100

127 0.0 53.1 98.5#



Abundance Ion 128.95 (128.65 to 129.65): V

Ion 126.90 (126.60 to 127.60): V

