

Data Path : Z:\VOASRV\HPCHEM1\MSVOA V\DATA\VV100118\
 Data File : VV008018.D
 Acq On : 02 Oct 2018 02:00
 Operator : SY/MD
 Sample : J5160-03
 Misc : 25.0 mL/MSVOA V/WATER
 ALS Vial : 31 Sample Multiplier: 1

Instrument :
 MSVOA_V
 ClientSampleId :
 GACA8

Quant Time: Oct 02 04:19:58 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	86333	5.00	ug/L	0.00
28) Chlorobenzene-d5	8.90	117	84174	5.00	ug/L	0.00
60) 1,4-Dichlorobenzene-d4	11.30	152	40711	5.00	ug/L	0.00

System Monitoring Compounds

4) Vinyl Chloride-d3	1.32	65	23163	5.00	ug/L	0.00
Spiked Amount	5.000	Range	40 - 130	Recovery	=	100.00%
7) Chloroethane-d5	1.59	69	20319	5.08	ug/L	0.00
Spiked Amount	5.000	Range	65 - 130	Recovery	=	101.60%
11) 1,1-Dichloroethene-d2	2.14	63	37087	3.55	ug/L	0.00
Spiked Amount	5.000	Range	60 - 125	Recovery	=	71.00%
20) 2-Butanone-d5	3.97	46	66476	47.75	ug/L	0.00
Spiked Amount	50.000	Range	40 - 130	Recovery	=	95.50%
24) Chloroform-d	4.41	84	51087	4.85	ug/L	0.00
Spiked Amount	5.000	Range	70 - 125	Recovery	=	97.00%
26) 1,2-Dichloroethane-d4	5.09	65	28034	4.83	ug/L	0.00
Spiked Amount	5.000	Range	70 - 130	Recovery	=	96.60%
32) Benzene-d6	5.10	84	99815	4.97	ug/L	0.00
Spiked Amount	5.000	Range	70 - 125	Recovery	=	99.40%
36) 1,2-Dichloropropane-d6	6.12	67	31874	5.00	ug/L	0.00
Spiked Amount	5.000	Range	60 - 140	Recovery	=	100.00%
41) Toluene-d8	7.36	98	94668	4.63	ug/L	0.00
Spiked Amount	5.000	Range	70 - 130	Recovery	=	92.60%
43) trans-1,3-Dichloropropene-	7.67	79	10392	4.24	ug/L	0.00
Spiked Amount	5.000	Range	55 - 130	Recovery	=	84.80%
46) 2-Hexanone-d5	8.14	63	46424	42.88	ug/L	0.00
Spiked Amount	50.000	Range	45 - 130	Recovery	=	85.76%
57) 1,1,2,2-Tetrachloroethane-	10.26	84	22821	4.64	ug/L	0.00
Spiked Amount	5.000	Range	65 - 120	Recovery	=	92.80%
64) 1,2-Dichlorobenzene-d4	11.68	152	38131	4.84	ug/L	0.00
Spiked Amount	5.000	Range	80 - 120	Recovery	=	96.80%

Target Compounds

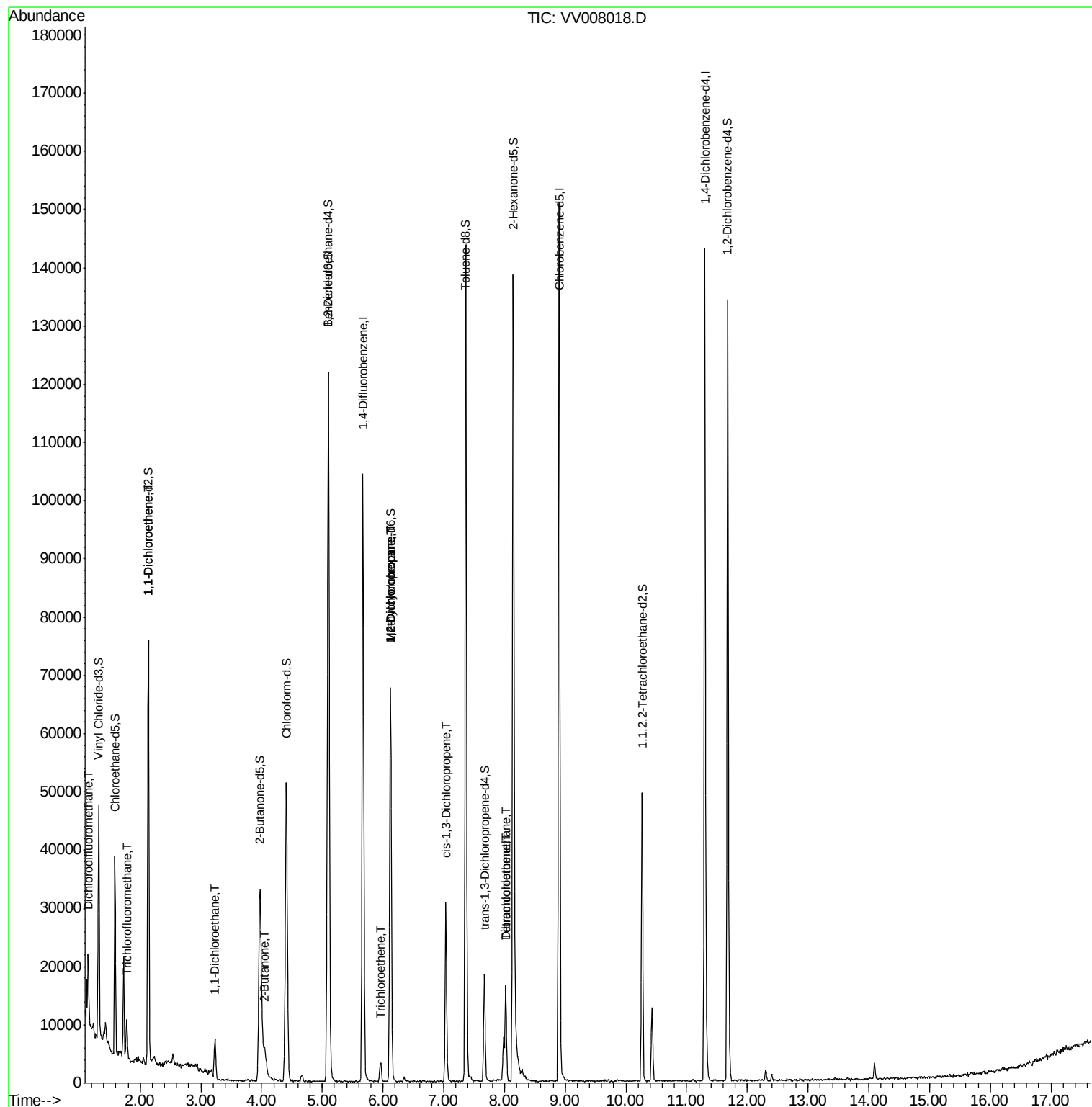
					Ovalue
2) Dichlorodifluoromethane	1.14	85	3140	0.434 ug/L	99
9) Trichlorofluoromethane	1.78	101	2600	0.231 ug/L	95
12) 1,1-Dichloroethene	2.14	96	648	0.114 ug/L #	1
19) 1,1-Dichloroethane	3.24	63	6667	0.621 ug/L	100
21) 2-Butanone	4.05	43	4607	2.851 ug/L	84
34) Trichloroethene	5.96	95	820	0.119 ug/L	93
35) Methylcyclohexane	6.12	83	7813	0.755 ug/L #	19
37) 1,2-Dichloropropane	6.12	63	3581	0.582 ug/L #	87
39) cis-1,3-Dichloropropene	7.04	75	742	0.090 ug/L #	43
47) Tetrachloroethene	8.02	164	3884	0.607 ug/L	92
49) Dibromochloromethane	8.02	129	3382	0.667 ug/L #	12

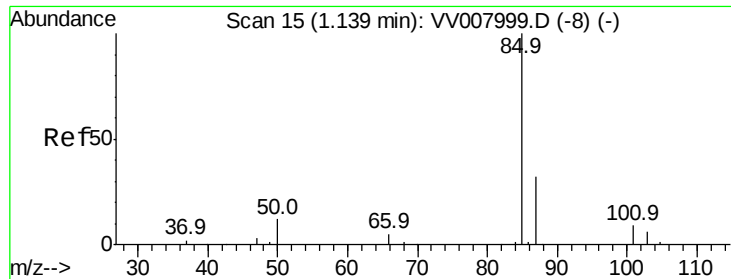
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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Quant Title : TRACE VOA SOM01.0
QLast Update : Tue Oct 02 04:17:24 2018
Response via : Initial Calibration





#2

Dichlorodifluoromethane

Concen: 0.434 ug/L

RT: 1.14 min Scan# 16

Delta R.T. 0.00 min

Lab File: VV008018.D

Acq: 02 Oct 2018 02:00

Instrument :

MSVOA_V

ClientSampleId :

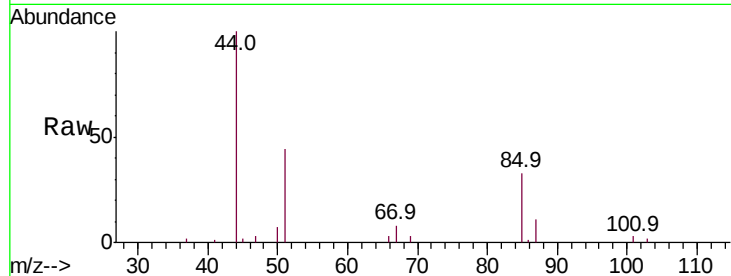
GACA8

Tot Ion: 85 Resp: 3140

Ion Ratio Lower Upper

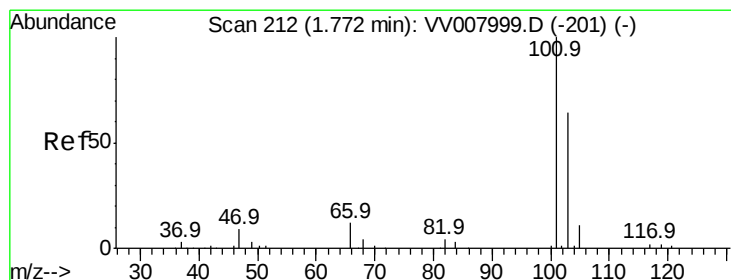
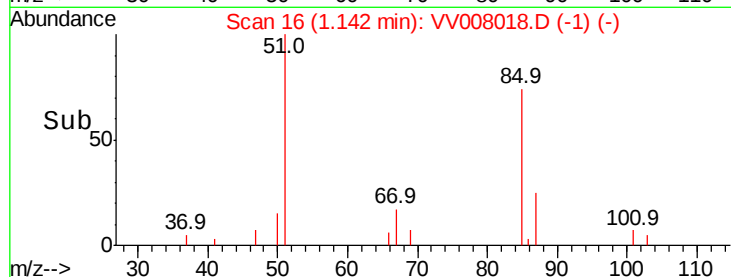
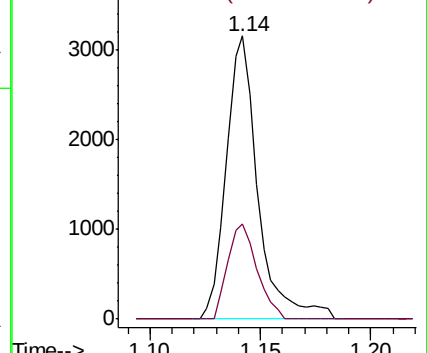
85 100

87 31.0 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: 0.231 ug/L

RT: 1.78 min Scan# 213

Delta R.T. 0.00 min

Lab File: VV008018.D

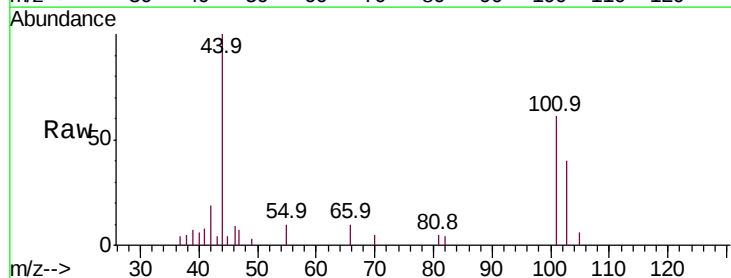
Acq: 02 Oct 2018 02:00

Tgt Ion: 101 Resp: 2600

Ion Ratio Lower Upper

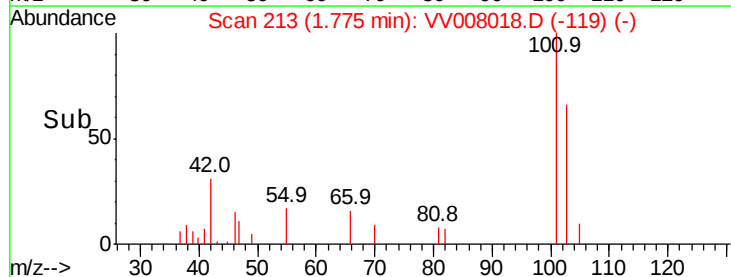
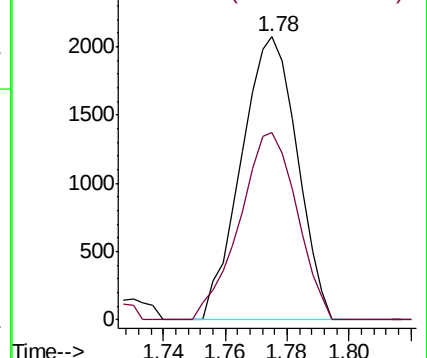
101 100

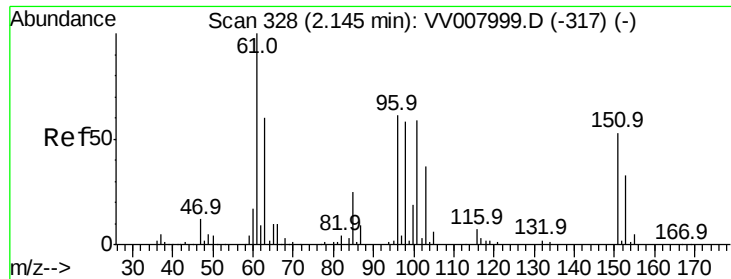
103 68.0 51.5 77.3



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

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





#12

1,1-Dichloroethene

Concen: 0.114 ug/L

RT: 2.14 min Scan# 326

Delta R.T. -0.01 min

Lab File: VV008018.D

Acq: 02 Oct 2018 02:00

Instrument :

MSVOA_V

ClientSampleId :

GACA8

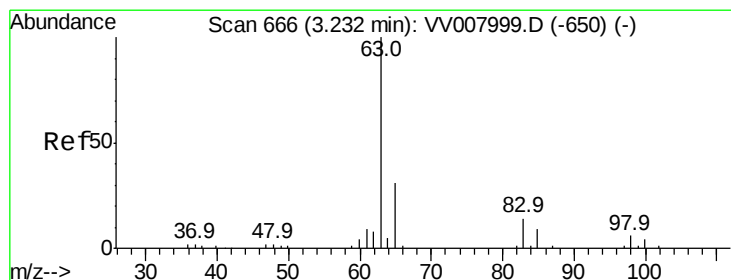
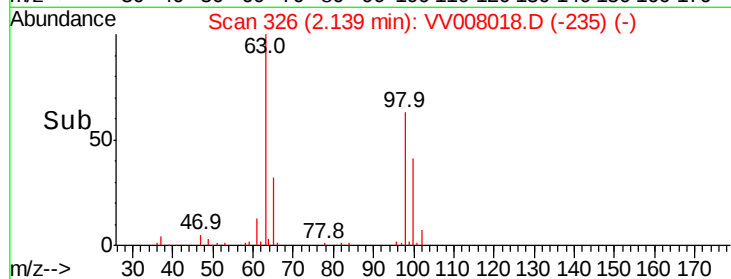
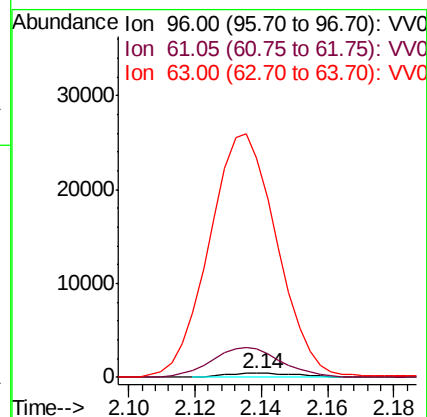
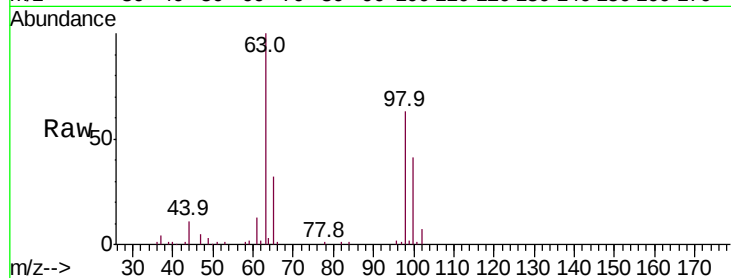
Tot Ion: 96 Resp: 648

Ion Ratio Lower Upper

96 100

61 711.8 114.1 211.9#

63 5524.3 81.5 151.3#



#19

1,1-Dichloroethane

Concen: 0.621 ug/L

RT: 3.24 min Scan# 667

Delta R.T. 0.00 min

Lab File: VV008018.D

Acq: 02 Oct 2018 02:00

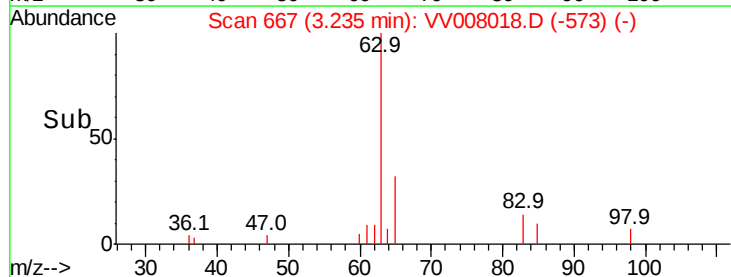
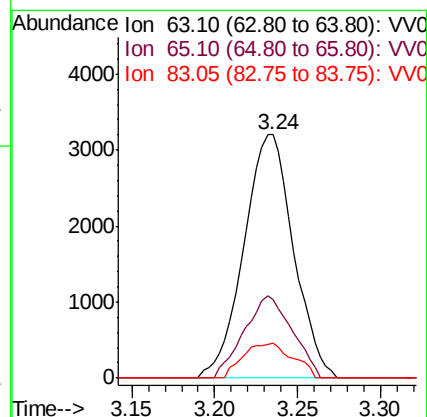
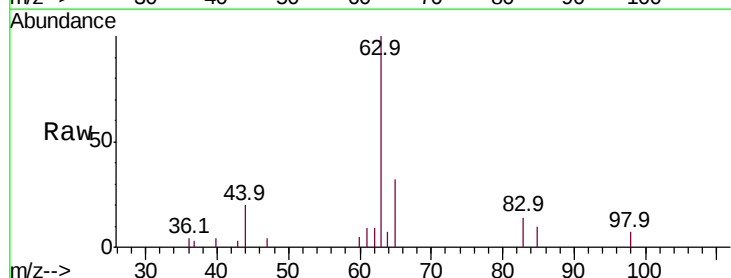
Tgt Ion: 63 Resp: 6667

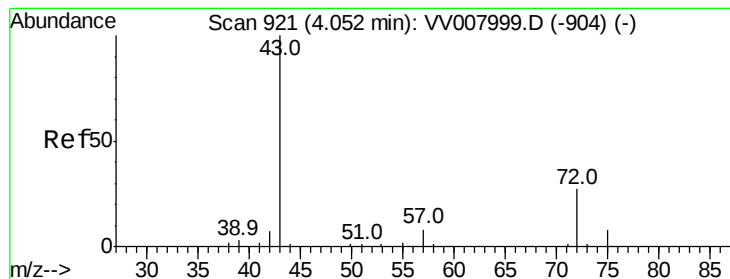
Ion Ratio Lower Upper

63 100

65 32.1 22.3 41.5

83 14.4 9.8 18.2





#21

2-Butanone

Concen: 2.851 ug/L

RT: 4.05 min Scan# 922

Delta R.T. 0.00 min

Lab File: VV008018.D

Acq: 02 Oct 2018 02:00

Instrument :

MSVOA_V

ClientSampled :

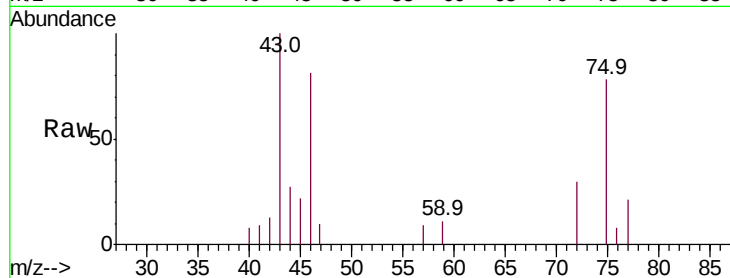
GACA8

Tot Ion: 43 Resp: 4607

Ion Ratio Lower Upper

43 100

72 16.9 12.5 37.5



Abundance Ion 43.05 (42.75 to 43.75): VV007999.D (-904) (-)

Ion 72.10 (71.80 to 72.80): VV007999.D (-904) (-)

4.05

1500

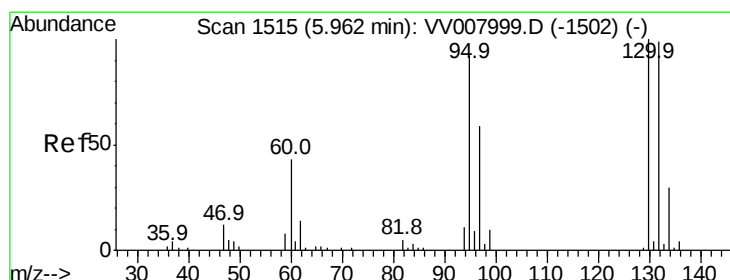
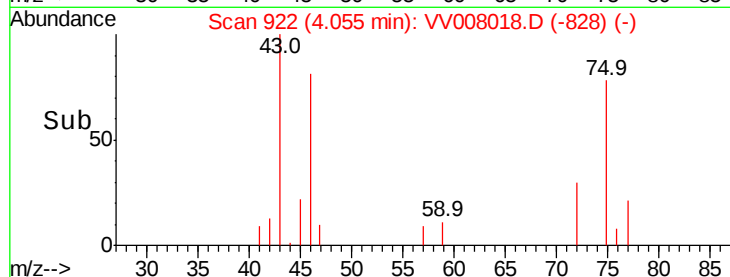
1000

500

0

4.00 4.10

Time-->



#34

Trichloroethene

Concen: 0.119 ug/L

RT: 5.96 min Scan# 1516

Delta R.T. 0.00 min

Lab File: VV008018.D

Acq: 02 Oct 2018 02:00

Tgt Ion: 95 Resp: 820

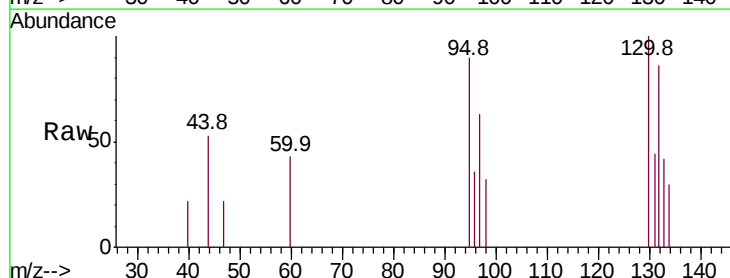
Ion Ratio Lower Upper

95 100

97 70.1 43.6 81.0

132 95.2 69.9 129.9

130 110.6 71.7 133.3



Abundance Ion 95.00 (94.70 to 95.70): VV007999.D (-1502) (-)

Ion 96.95 (96.65 to 97.65): VV007999.D (-1502) (-)

Ion 131.95 (131.65 to 132.65): VV007999.D (-1502) (-)

Ion 129.95 (129.65 to 130.65): VV007999.D (-1502) (-)

5.96

600

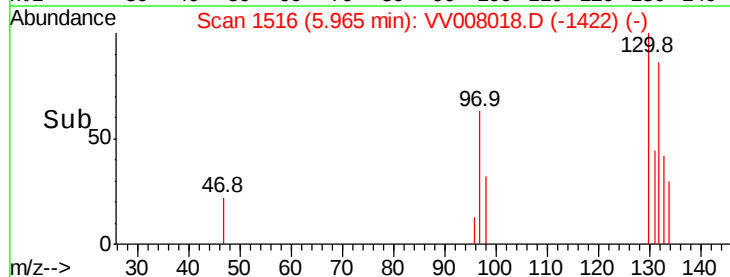
400

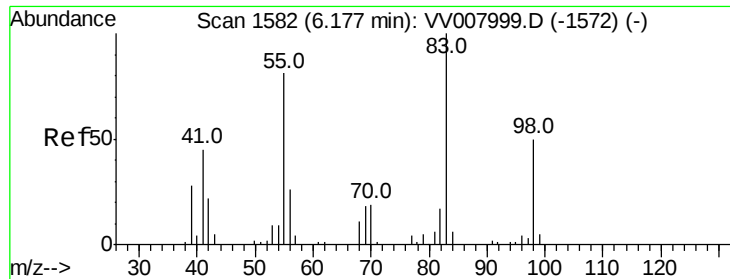
200

0

5.95 6.00

Time-->

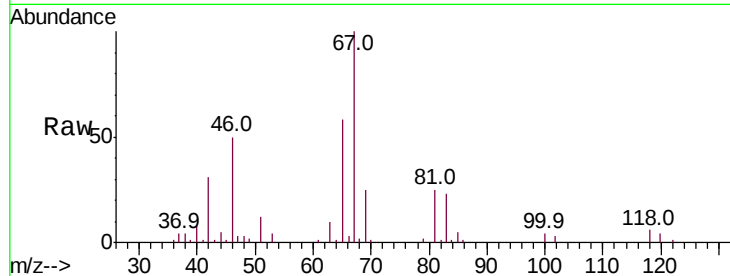




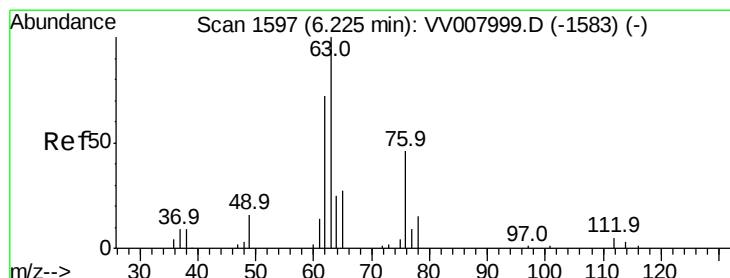
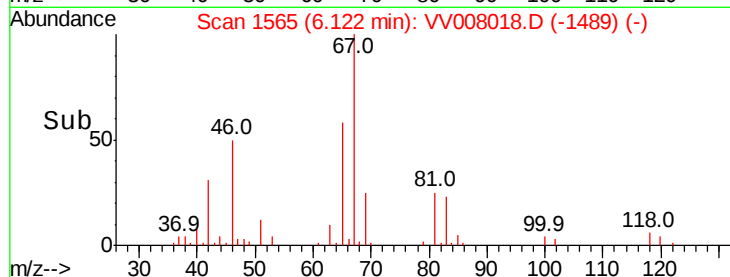
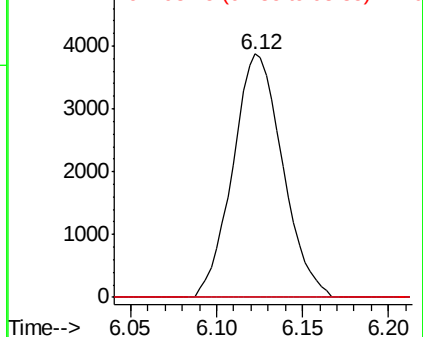
#35
Methvlcvclohexane
Concen: 0.755 ug/L
RT: 6.12 min Scan# 1565
Delta R.T. -0.05 min
Lab File: VV008018.D
Acq: 02 Oct 2018 02:00

Instrument :
MSVOA_V
ClientSampleId :
GACA8

Tot Ion: 83 Resp: 7813
Ion Ratio Lower Upper
83 100
55 0.0 62.2 93.2#
98 2.2 38.0 57.0#

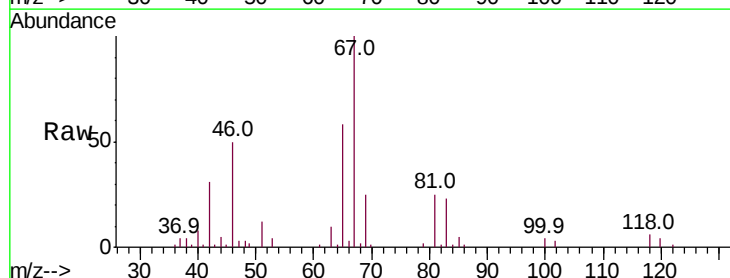


Abundance Ion 83.15 (82.85 to 83.85): VV0
Ion 55.10 (54.80 to 55.80): VV0
Ion 98.15 (97.85 to 98.85): VV0

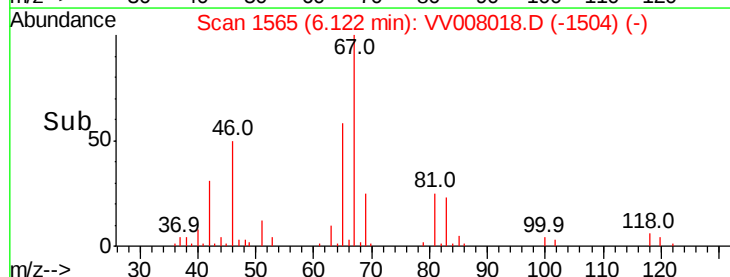
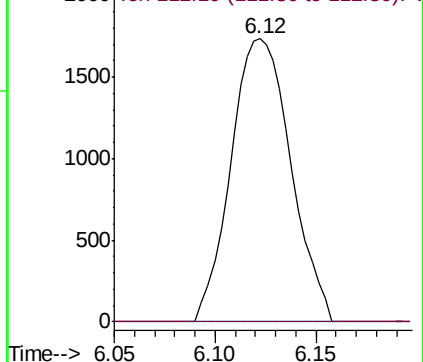


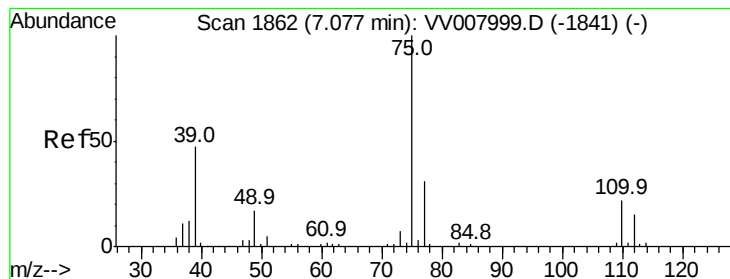
#37
1,2-Dichloropropane
Concen: 0.582 ug/L
RT: 6.12 min Scan# 1565
Delta R.T. -0.10 min
Lab File: VV008018.D
Acq: 02 Oct 2018 02:00

Tgt Ion: 63 Resp: 3581
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: 0.090 ug/L

RT: 7.04 min Scan# 1849

Delta R.T. -0.04 min

Lab File: VV008018.D

Acq: 02 Oct 2018 02:00

Instrument :

MSVOA_V

ClientSampleId :

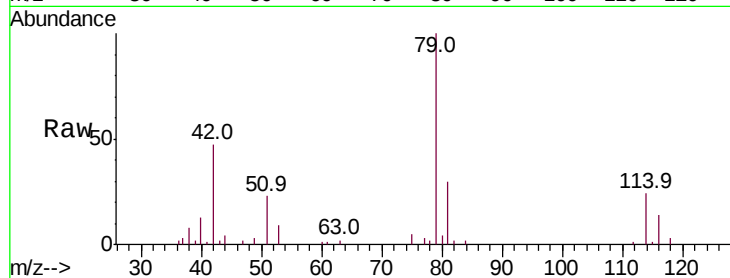
GACA8

Tot Ion: 75 Resp: 742

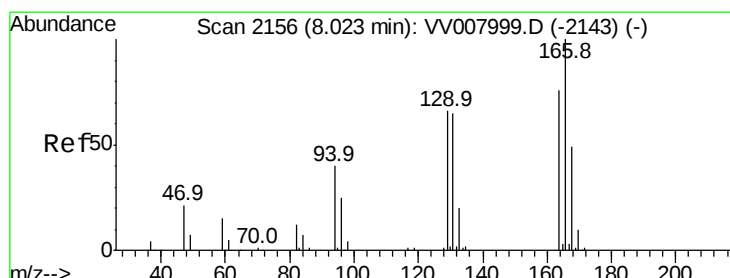
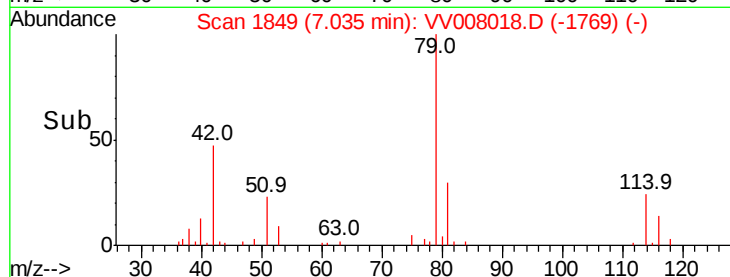
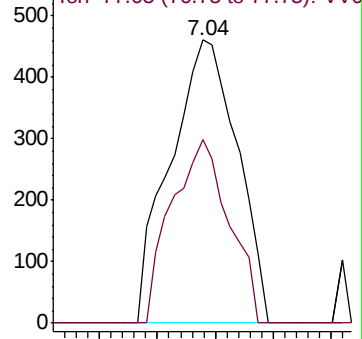
Ion Ratio Lower Upper

75 100

77 64.6 22.9 42.5#



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



#47

Tetrachloroethene

Concen: 0.607 ug/L

RT: 8.02 min Scan# 2156

Delta R.T. 0.00 min

Lab File: VV008018.D

Acq: 02 Oct 2018 02:00

Tgt Ion:164 Resp: 3884

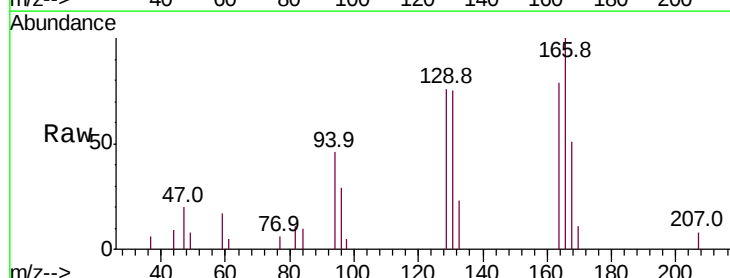
Ion Ratio Lower Upper

164 100

129 95.8 59.2 110.0

131 94.0 57.1 106.1

166 126.1 88.6 164.6

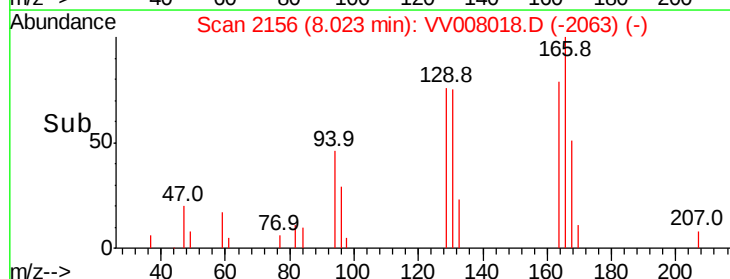
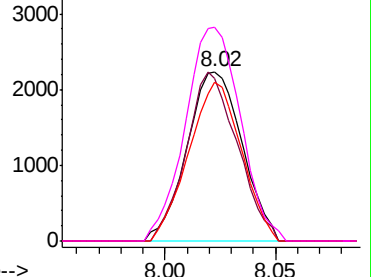


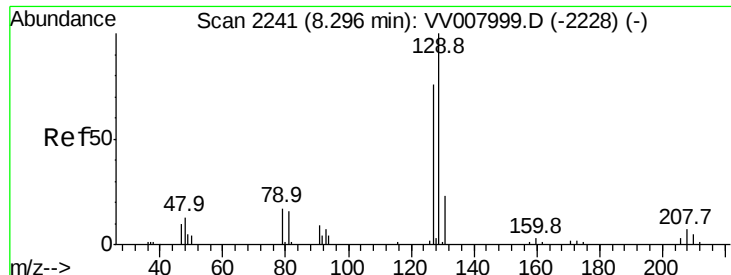
Abundance Ion 163.90 (163.60 to 164.60): VV007999.D (-2143) (-)

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: 0.667 ug/L

RT: 8.02 min Scan# 2155

Delta R.T. -0.28 min

Lab File: VV008018.D

Acq: 02 Oct 2018 02:00

Instrument :

MSVOA_V

ClientSampleId :

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Tot Ion:129 Resp: 3382

Ion Ratio Lower Upper

129 100

127 0.0 53.1 98.5#

