

Data Path : Z:\VOASRV\HPCHEM1\MSVOA V\DATA\VV092818\
 Data File : VV007957.D
 Acq On : 28 Sep 2018 16:45
 Operator : SY/MD
 Sample : J5063-11DL 5X
 Misc : 25.0 mL/MSVOA V/WATER
 ALS Vial : 16 Sample Multiplier: 1

Instrument :
 MSVOA_V
 ClientSampleId :
 GAC32DL

Quant Time: Oct 01 01:54:18 2018
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_V\METHOD\SOMVTR092718WMA.M
 Quant Title : TRACE VOA SOM01.0
 QLast Update : Mon Oct 01 01:51:53 2018
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Difluorobenzene	5.67	114	90911	5.00	ug/L	0.00
28) Chlorobenzene-d5	8.90	117	88031	5.00	ug/L	0.00
60) 1,4-Dichlorobenzene-d4	11.30	152	44052	5.00	ug/L	0.00

System Monitoring Compounds

4) Vinyl Chloride-d3	1.32	65	19141	3.93	ug/L	0.00
Spiked Amount	5.000	Range	40 - 130	Recovery	=	78.60%
7) Chloroethane-d5	1.59	69	19013	4.52	ug/L	0.00
Spiked Amount	5.000	Range	65 - 130	Recovery	=	90.40%
11) 1,1-Dichloroethene-d2	2.14	63	32749	2.98	ug/L	0.00
Spiked Amount	5.000	Range	60 - 125	Recovery	=	59.60%#
20) 2-Butanone-d5	3.97	46	68177	46.51	ug/L	0.00
Spiked Amount	50.000	Range	40 - 130	Recovery	=	93.02%
24) Chloroform-d	4.41	84	48666	4.38	ug/L	0.00
Spiked Amount	5.000	Range	70 - 125	Recovery	=	87.60%
26) 1,2-Dichloroethane-d4	5.09	65	26662	4.37	ug/L	0.00
Spiked Amount	5.000	Range	70 - 130	Recovery	=	87.40%
32) Benzene-d6	5.10	84	93414	4.45	ug/L	0.00
Spiked Amount	5.000	Range	70 - 125	Recovery	=	89.00%
36) 1,2-Dichloropropane-d6	6.12	67	30301	4.55	ug/L	0.00
Spiked Amount	5.000	Range	60 - 140	Recovery	=	91.00%
41) Toluene-d8	7.36	98	86940	4.06	ug/L	0.00
Spiked Amount	5.000	Range	70 - 130	Recovery	=	81.20%
43) trans-1,3-Dichloropropene-	7.67	79	10094	3.93	ug/L	0.00
Spiked Amount	5.000	Range	55 - 130	Recovery	=	78.60%
46) 2-Hexanone-d5	8.14	63	51123	45.15	ug/L	0.00
Spiked Amount	50.000	Range	45 - 130	Recovery	=	90.30%
57) 1,1,2,2-Tetrachloroethane-	10.27	84	22662	4.41	ug/L	0.00
Spiked Amount	5.000	Range	65 - 120	Recovery	=	88.20%
64) 1,2-Dichlorobenzene-d4	11.68	152	37475	4.40	ug/L	0.00
Spiked Amount	5.000	Range	80 - 120	Recovery	=	88.00%

Target Compounds

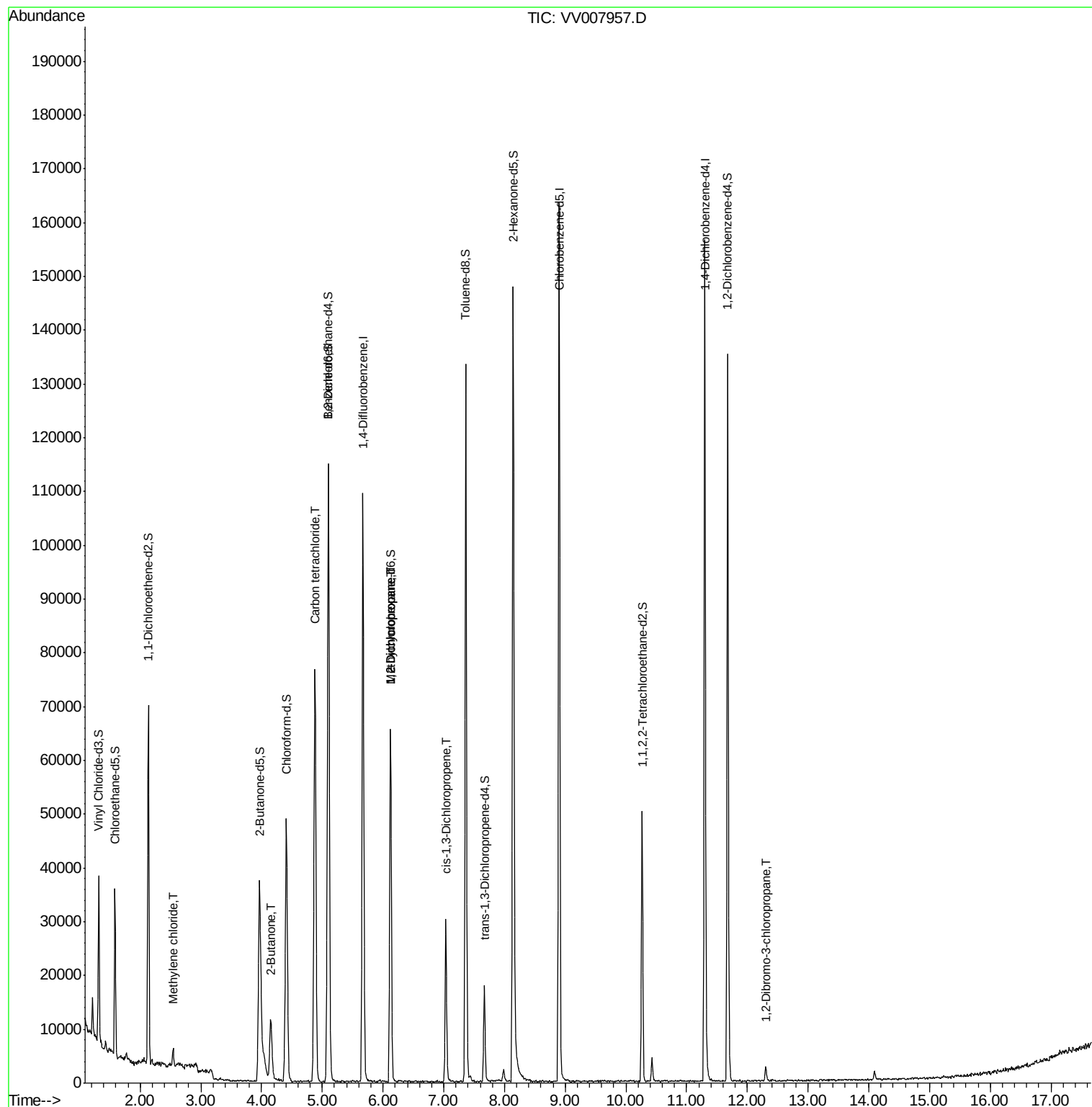
					Ovalue
16) Methylene chloride	2.54	84	1357	0.203	ug/L 81
21) 2-Butanone	4.15	43	19000	11.166	ug/L # 50
31) Carbon tetrachloride	4.88	117	57462	6.158	ug/L 98
35) Methylcyclohexane	6.12	83	7421	0.686	ug/L # 18
37) 1,2-Dichloropropane	6.13	63	3677	0.571	ug/L # 87
39) cis-1,3-Dichloropropene	7.04	75	766	0.089	ug/L # 75
66) 1,2-Dibromo-3-chloropropan	12.30	75	70	0.100	ug/L # 1

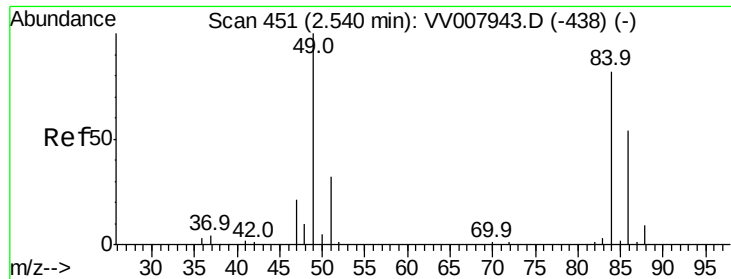
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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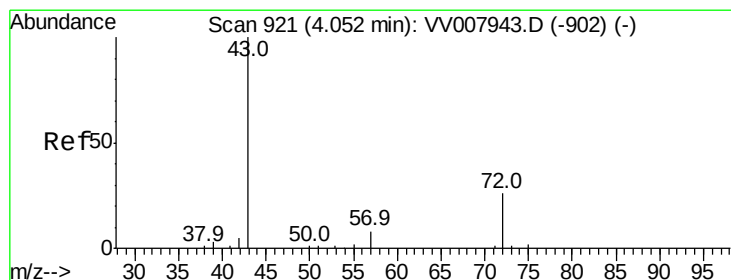
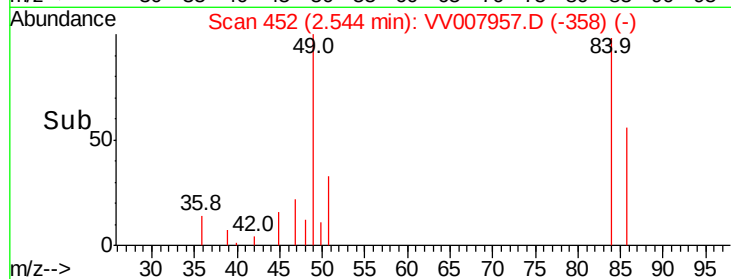
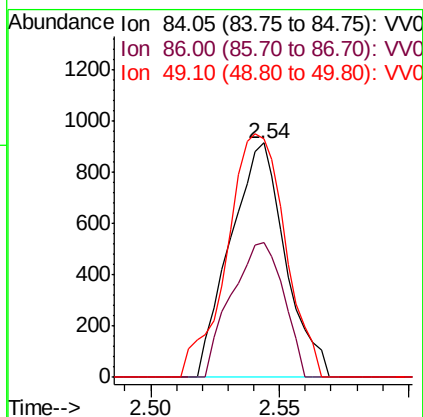
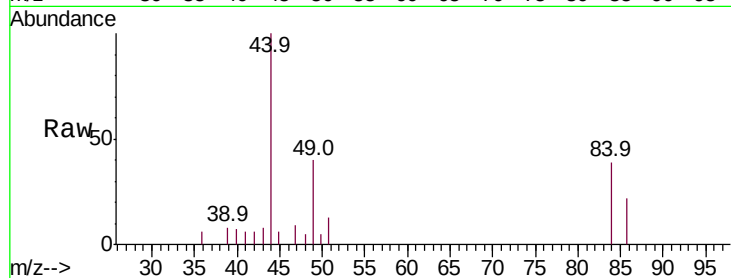




#16
Methvlene chloride
Concen: 0.203 ug/L
RT: 2.54 min Scan# 452
Delta R.T. 0.00 min
Lab File: VV007957.D
Acq: 28 Sep 2018 16:45

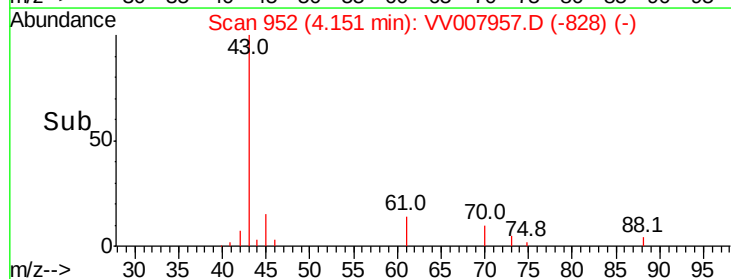
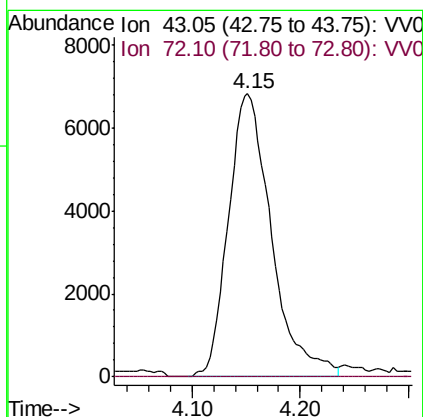
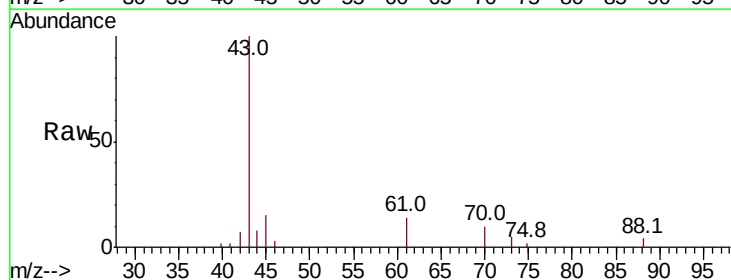
Instrument :
MSVOA_V
ClientSampleId :
GAC32DL

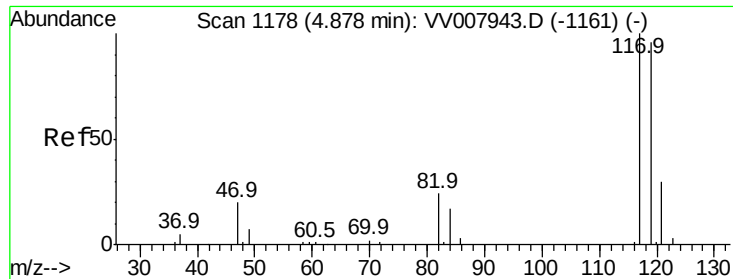
Tot Ion: 84 Resp: 1357
Ion Ratio Lower Upper
84 100
86 57.3 47.3 87.8
49 102.0 90.0 167.2



#21
2-Butanone
Concen: 11.166 ug/L
RT: 4.15 min Scan# 952
Delta R.T. 0.10 min
Lab File: VV007957.D
Acq: 28 Sep 2018 16:45

Tgt Ion: 43 Resp: 19000
Ion Ratio Lower Upper
43 100
72 0.0 12.5 37.5#





#31

Carbon tetrachloride

Concen: 6.158 ug/L

RT: 4.88 min Scan# 1179

Delta R.T. 0.00 min

Lab File: VV007957.D

Acq: 28 Sep 2018 16:45

Instrument :

MSVOA_V

ClientSampled :

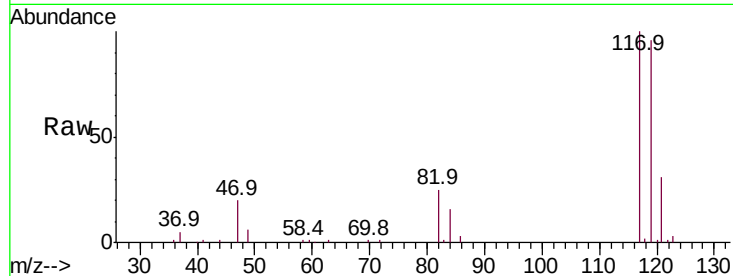
GAC32DL

Tot Ion:117 Resp: 57462

Ion Ratio Lower Upper

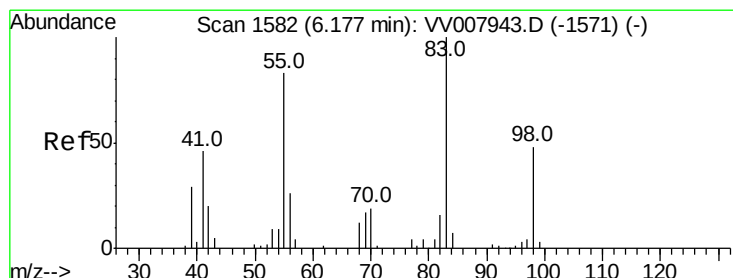
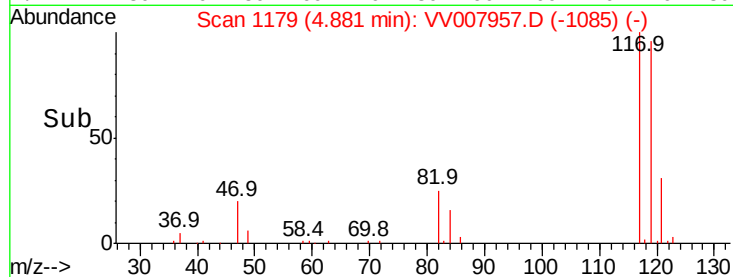
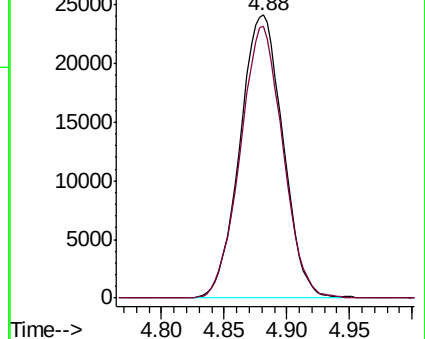
117 100

119 95.0 77.8 116.8



Abundance Ion 116.90 (116.60 to 117.60): V

Ion 118.90 (118.60 to 119.60): V



#35

Methylcyclohexane

Concen: 0.686 ug/L

RT: 6.12 min Scan# 1565

Delta R.T. -0.05 min

Lab File: VV007957.D

Acq: 28 Sep 2018 16:45

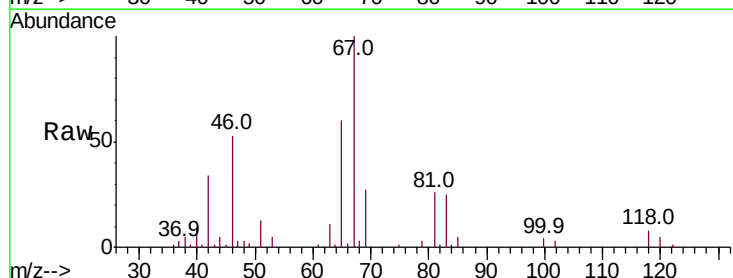
Tgt Ion: 83 Resp: 7421

Ion Ratio Lower Upper

83 100

55 0.0 62.2 93.2#

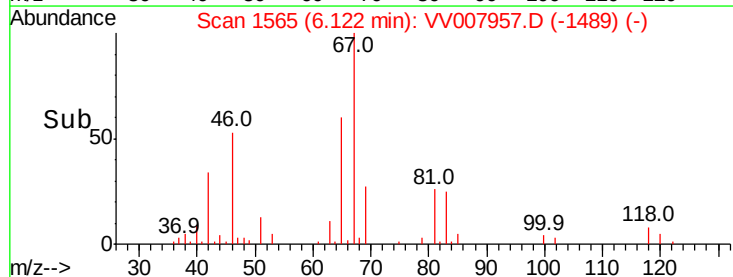
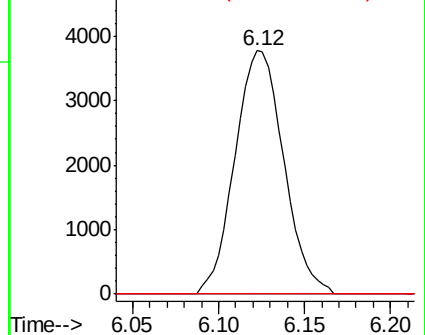
98 0.0 38.0 57.0#

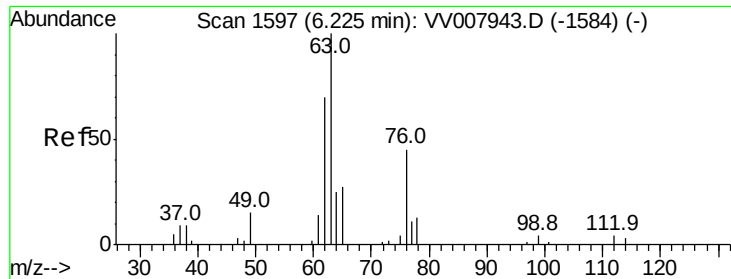


Abundance Ion 83.15 (82.85 to 83.85): VV0

Ion 55.10 (54.80 to 55.80): VV0

Ion 98.15 (97.85 to 98.85): VV0





#37

1,2-Dichloropropane

Concen: 0.571 ug/L

RT: 6.13 min Scan# 1567

Delta R.T. -0.10 min

Lab File: VV007957.D

Acq: 28 Sep 2018 16:45

Instrument :

MSVOA_V

ClientSampleId :

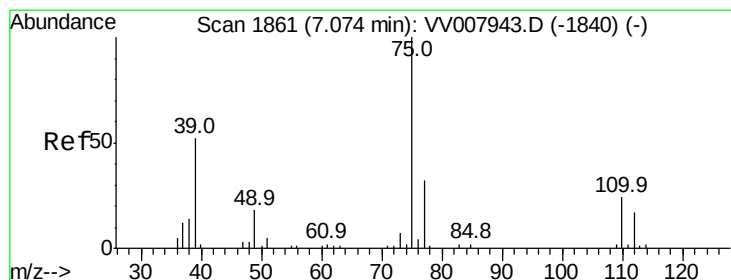
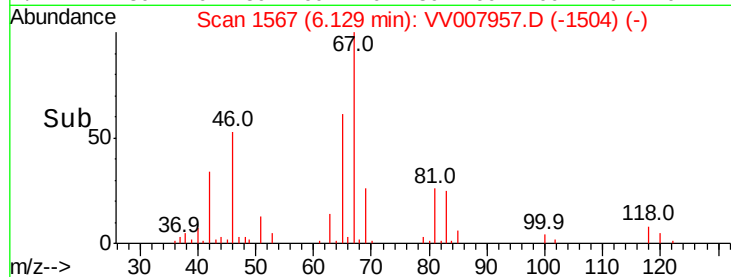
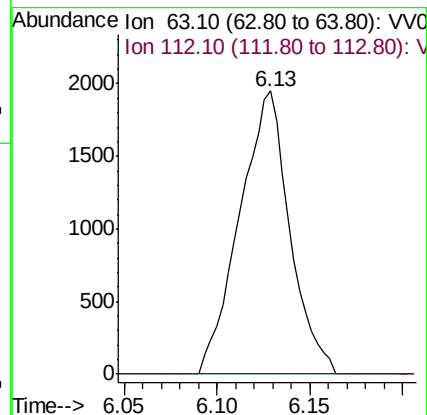
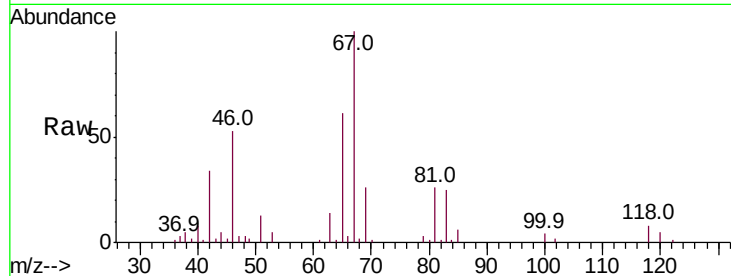
GAC32DL

Tot Ion: 63 Resp: 3677

Ion Ratio Lower Upper

63 100

112 0.0 3.4 5.0#



#39

cis-1,3-Dichloropropene

Concen: 0.089 ug/L

RT: 7.04 min Scan# 1849

Delta R.T. -0.04 min

Lab File: VV007957.D

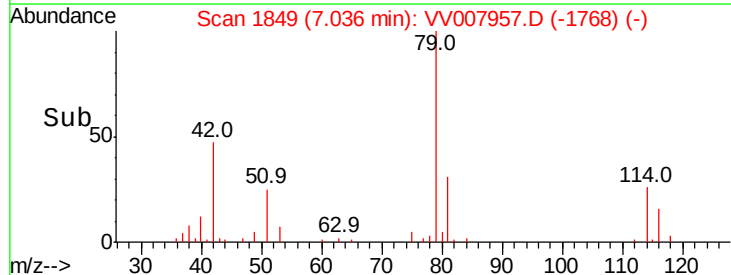
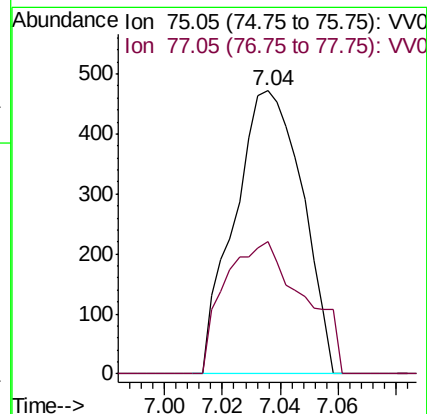
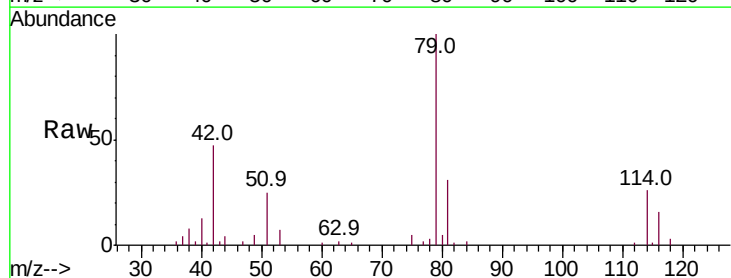
Acq: 28 Sep 2018 16:45

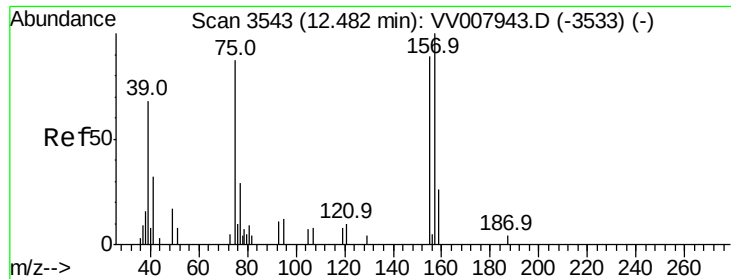
Tgt Ion: 75 Resp: 766

Ion Ratio Lower Upper

75 100

77 46.6 22.9 42.5#





#66

1,2-Dibromo-3-chloropropane

Concen: 0.100 ug/L

RT: 12.30 min Scan# 3486

Delta R.T. -0.18 min

Lab File: VV007957.D

Acq: 28 Sep 2018 16:45

Instrument :

MSVOA_V

ClientSampleId :

GAC32DL

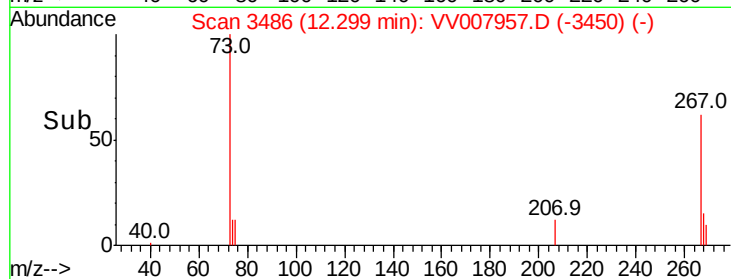
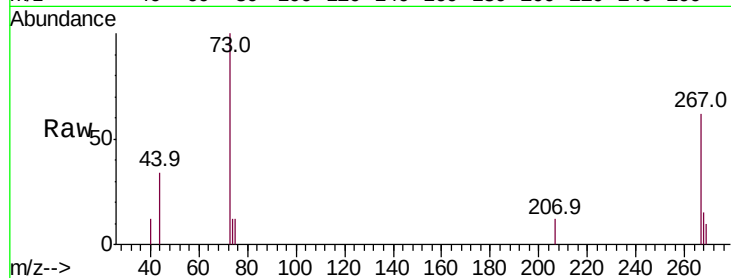
Tot Ion: 75 Resp: 70

Ion Ratio Lower Upper

75 100

155 0.0 83.4 125.2#

157 0.0 93.9 140.9#



Abundance Ion 75.05 (74.75 to 75.75): VV0

Ion 154.95 (154.65 to 155.65): V

Ion 156.90 (156.60 to 157.60): V

