

Data File : VV006594.D

Acq On : 12 Jul 2018 19:00

Operator : SY/MD

Sample : J3919-20

Misc : 25 mL/MSVOA_V/WATER

ALS Vial : 1 Sample Multiplier: 1

Instrument :
MSVOA_V
ClientSampleId :
C0AF8

Quant Time: Jul 18 05:36:12 2018

Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_V\METHOD\SOMVTR070718WMA.M

Quant Title : TRACE VOA SOM01.0

QLast Update : Sat Jul 14 00:30:59 2018

Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Difluorobenzene	5.67	114	303700	5.00	ug/L	0.00
28) Chlorobenzene-d5	8.90	117	277020	5.00	ug/L	0.00
60) 1,4-Dichlorobenzene-d4	11.30	152	120727	5.00	ug/L	0.00

System Monitoring Compounds

4) Vinyl Chloride-d3	1.32	65	63728	3.86	ug/L	0.00
Spiked Amount	5.000	Range	40 - 130	Recovery	=	77.20%
7) Chloroethane-d5	1.58	69	62031	4.30	ug/L	0.00
Spiked Amount	5.000	Range	65 - 130	Recovery	=	86.00%
11) 1,1-Dichloroethene-d2	2.13	63	101996	3.32	ug/L	0.00
Spiked Amount	5.000	Range	60 - 125	Recovery	=	66.40%
20) 2-Butanone-d5	3.95	46	201884	48.14	ug/L	-0.02
Spiked Amount	50.000	Range	40 - 130	Recovery	=	96.28%
24) Chloroform-d	4.41	84	147397	4.54	ug/L	0.00
Spiked Amount	5.000	Range	70 - 125	Recovery	=	90.80%
26) 1,2-Dichloroethane-d4	5.09	65	70821	4.69	ug/L	0.00
Spiked Amount	5.000	Range	70 - 130	Recovery	=	93.80%
32) Benzene-d6	5.10	84	296876	4.70	ug/L	0.00
Spiked Amount	5.000	Range	70 - 125	Recovery	=	94.00%
36) 1,2-Dichloropropane-d6	6.12	67	97942	4.78	ug/L	0.00
Spiked Amount	5.000	Range	60 - 140	Recovery	=	95.60%
41) Toluene-d8	7.37	98	254004	4.50	ug/L	0.00
Spiked Amount	5.000	Range	70 - 130	Recovery	=	90.00%
43) trans-1,3-Dichloropropene-	7.67	79	28896	4.16	ug/L	0.00
Spiked Amount	5.000	Range	55 - 130	Recovery	=	83.20%
46) 2-Hexanone-d5	8.14	63	185909	52.96	ug/L	0.00
Spiked Amount	50.000	Range	45 - 130	Recovery	=	105.92%
57) 1,1,2,2-Tetrachloroethane-	10.27	84	74524	4.62	ug/L	0.00
Spiked Amount	5.000	Range	65 - 120	Recovery	=	92.40%
64) 1,2-Dichlorobenzene-d4	11.68	152	105046	5.06	ug/L	0.00
Spiked Amount	5.000	Range	80 - 120	Recovery	=	101.20%

Target Compounds

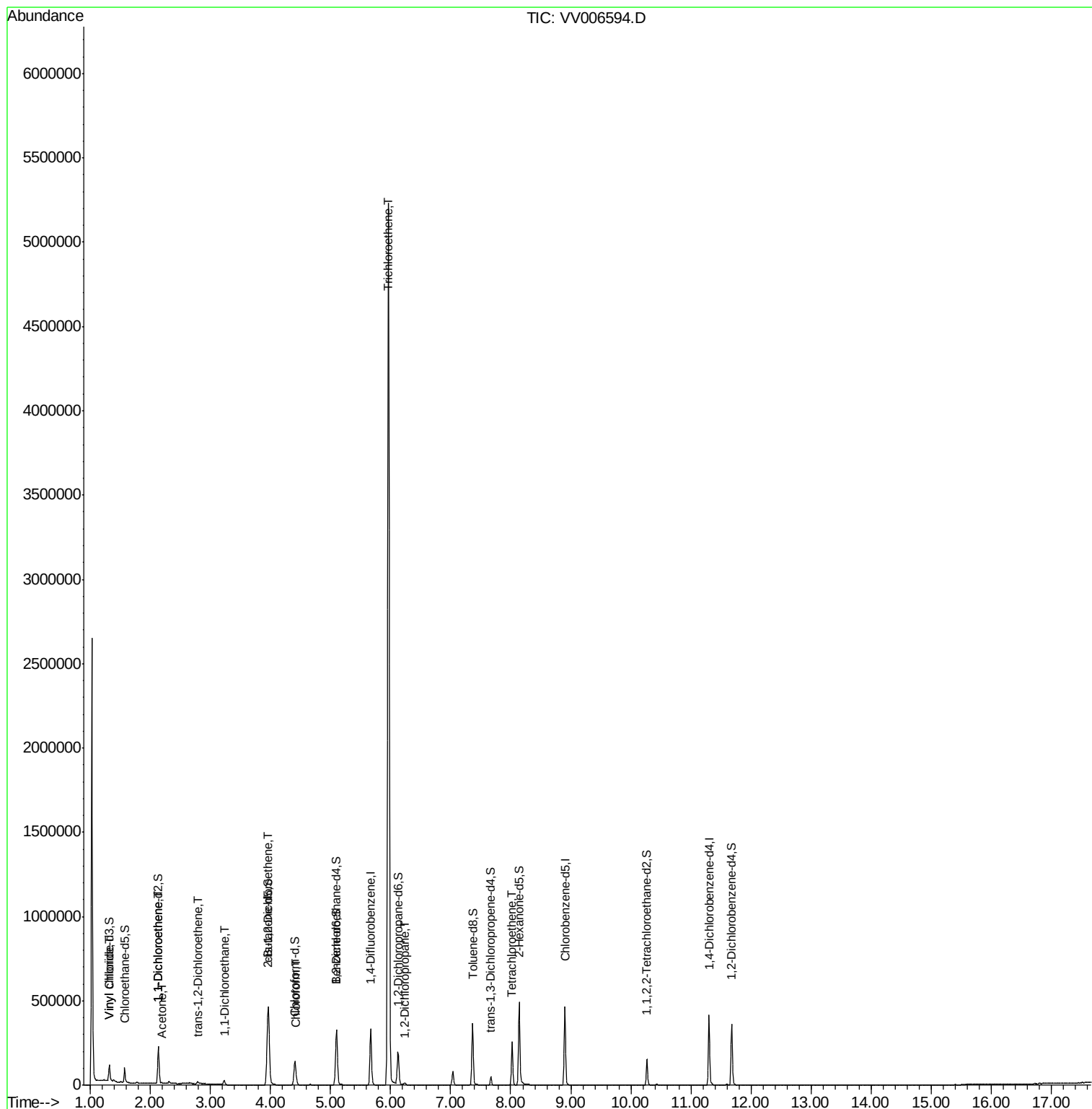
					Qvalue
5) Vinyl chloride	1.32	62	6078	0.225 ug/L	85
12) 1,1-Dichloroethene	2.14	96	26497	1.393 ug/L #	69
13) Acetone	2.19	43	3747	1.413 ug/L	95
18) trans-1,2-Dichloroethene	2.79	96	4500	0.217 ug/L	99
19) 1,1-Dichloroethane	3.23	63	24504	0.681 ug/L	98
22) cis-1,2-Dichloroethene	3.97	96	229109	10.280 ug/L	99
25) Chloroform	4.44	83	11624	0.325 ug/L	99
34) Trichloroethene	5.96	95	1829384	86.264 ug/L	98
37) 1,2-Dichloropropane	6.23	63	4519	0.223 ug/L #	94
47) Tetrachloroethene	8.02	164	60808	3.487 ug/L	96

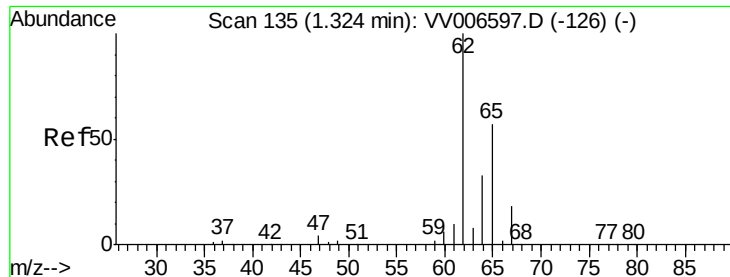
(#)= qualifier out of range (m)= manual integration (+)= signals summed

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QLast Update : Sat Jul 14 00:30:59 2018
Response via : Initial Calibration





#5

Vinyl chloride

Concen: 0.225 ug/L

RT: 1.32 min Scan# 135

Delta R.T. -0.00 min

Lab File: VV006594.D

Acq: 12 Jul 2018 19:00

Instrument :

MSVOA_V

ClientSampled :

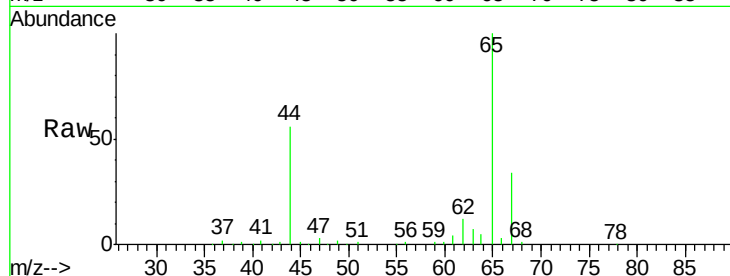
C0AF8

Tgt Ion: 62 Resp: 6078

Ion Ratio Lower Upper

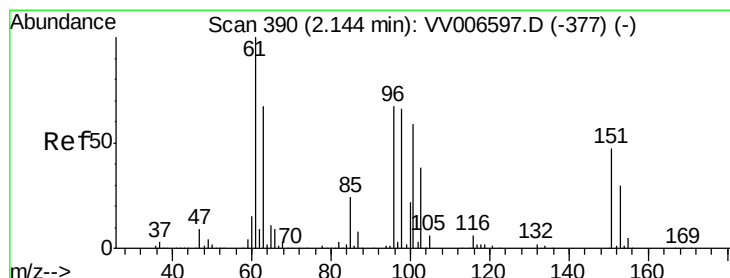
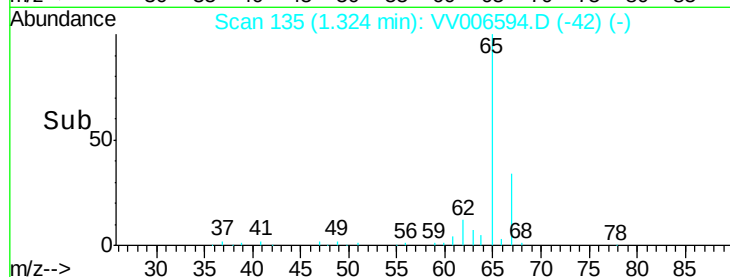
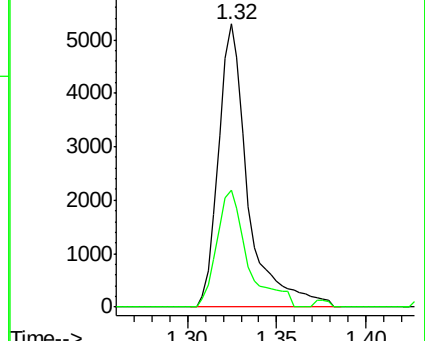
62 100

64 41.5 23.0 42.6



Abundance Ion 62.00 (61.70 to 62.70): VV0

Ion 64.10 (63.80 to 64.80): VV0



#12

1,1-Dichloroethene

Concen: 1.393 ug/L

RT: 2.14 min Scan# 390

Delta R.T. -0.00 min

Lab File: VV006594.D

Acq: 12 Jul 2018 19:00

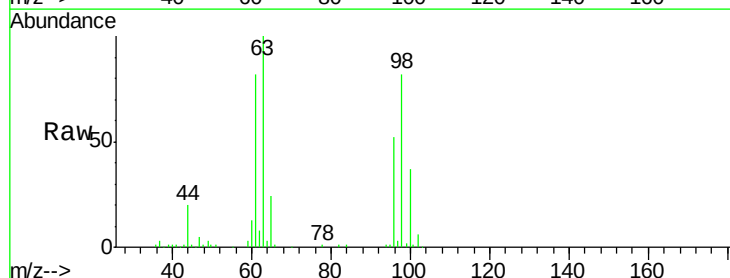
Tgt Ion: 96 Resp: 26497

Ion Ratio Lower Upper

96 100

61 158.2 110.7 205.7

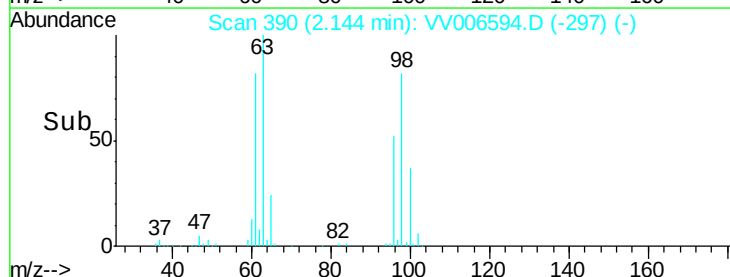
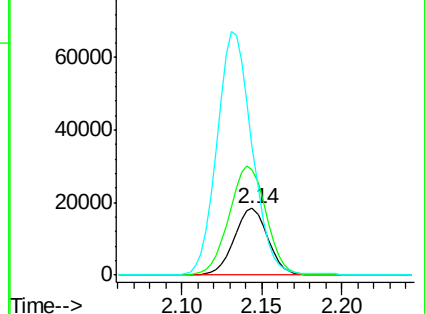
63 192.1 79.0 146.8#

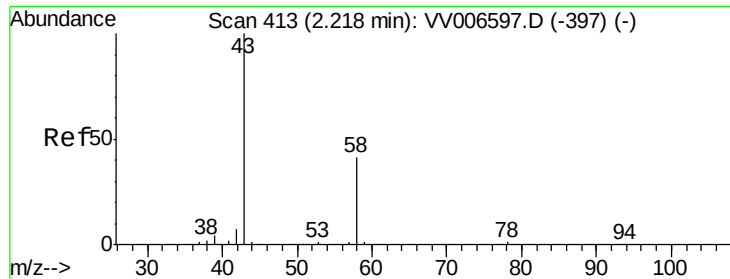


Abundance Ion 96.00 (95.70 to 96.70): VV0

Ion 61.05 (60.75 to 61.75): VV0

Ion 63.00 (62.70 to 63.70): VV0





#13

Acetone

Concen: 1.413 ug/L

RT: 2.19 min Scan# 405

Delta R.T. -0.03 min

Lab File: VV006594.D

Acq: 12 Jul 2018 19:00

Instrument :

MSVOA_V

ClientSampled :

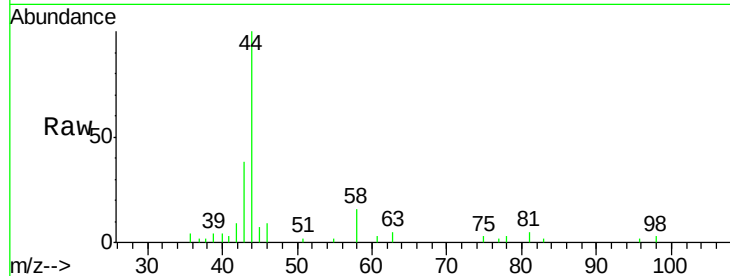
C0AF8

Tgt Ion: 43 Resp: 3747

Ion Ratio Lower Upper

43 100

58 41.4 0.0 76.2



Abundance Ion 43.05 (42.75 to 43.75): VV006594.D (-320) (-)

Ion 58.05 (57.75 to 58.75): VV006594.D (-320) (-)

2.19

2500

2000

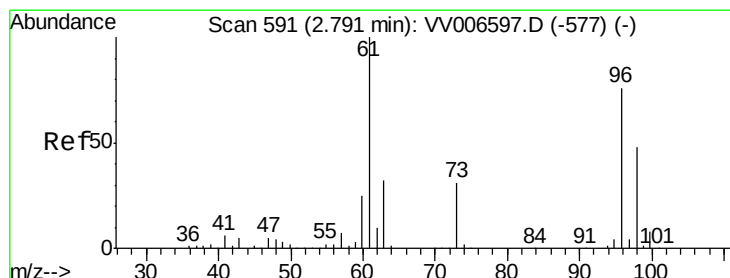
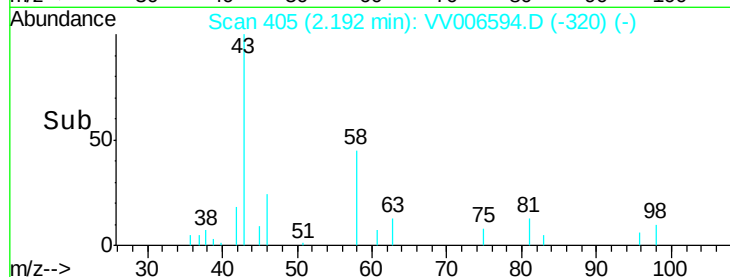
1500

1000

500

0

Time-->



#18

trans-1,2-Dichloroethene

Concen: 0.217 ug/L

RT: 2.79 min Scan# 592

Delta R.T. 0.00 min

Lab File: VV006594.D

Acq: 12 Jul 2018 19:00

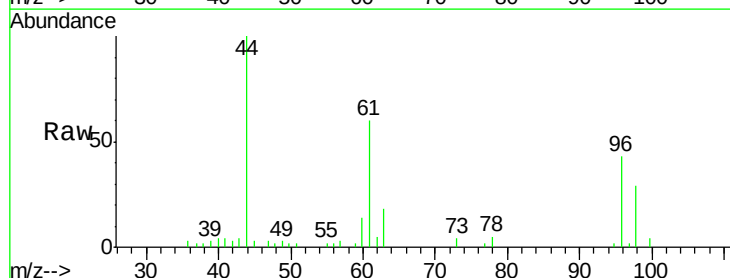
Tgt Ion: 96 Resp: 4500

Ion Ratio Lower Upper

96 100

61 137.1 96.5 179.3

98 66.0 45.1 83.7



Abundance Ion 96.00 (95.70 to 96.70): VV006594.D (-498) (-)

Ion 61.05 (60.75 to 61.75): VV006594.D (-498) (-)

Ion 97.95 (97.65 to 98.65): VV006594.D (-498) (-)

2.79

5000

4000

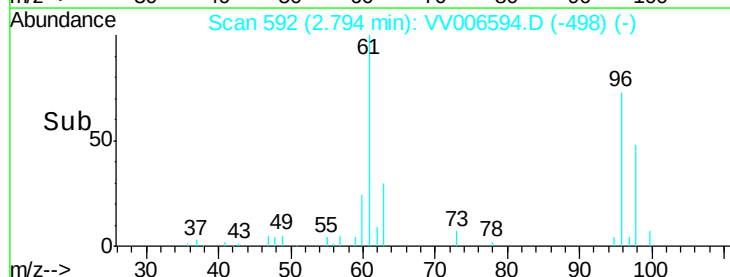
3000

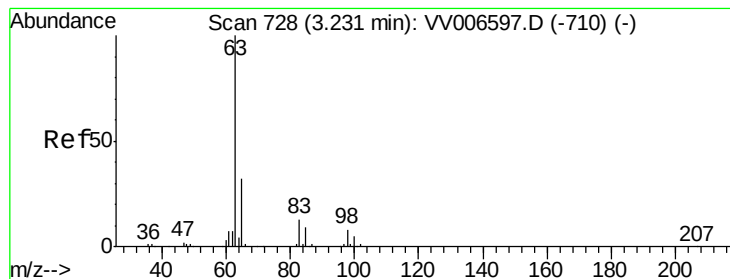
2000

1000

0

Time-->





#19

1,1-Dichloroethane

Concen: 0.681 ug/L

RT: 3.23 min Scan# 728

Delta R.T. -0.00 min

Lab File: VV006594.D

Acq: 12 Jul 2018 19:00

Instrument :

MSVOA_V

ClientSampleId :

C0AF8

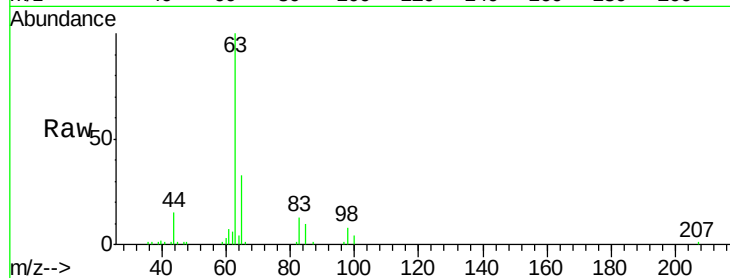
Tgt Ion: 63 Resp: 24504

Ion Ratio Lower Upper

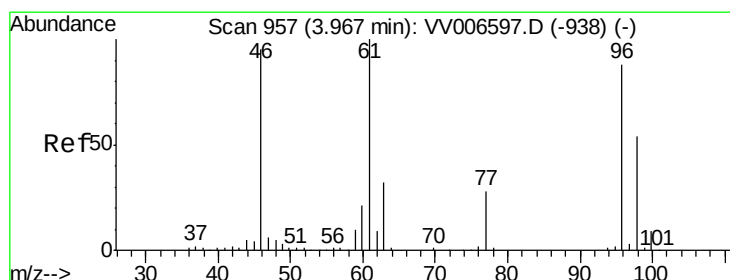
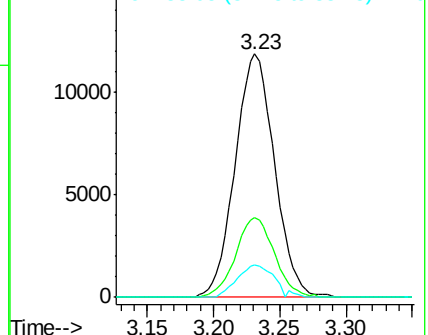
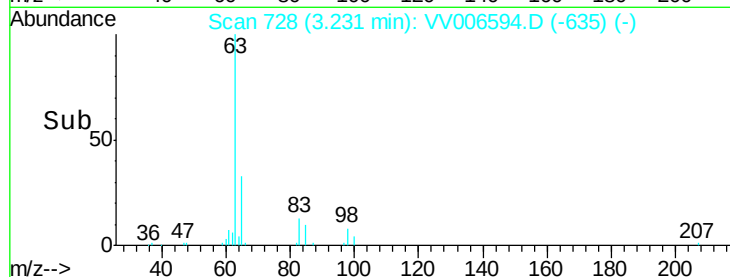
63 100

65 32.6 22.0 41.0

83 13.2 9.5 17.7



Abundance Ion 63.10 (62.80 to 63.80): VV006594.D (-635) (-)



#22

cis-1,2-Dichloroethene

Concen: 10.280 ug/L

RT: 3.97 min Scan# 957

Delta R.T. -0.00 min

Lab File: VV006594.D

Acq: 12 Jul 2018 19:00

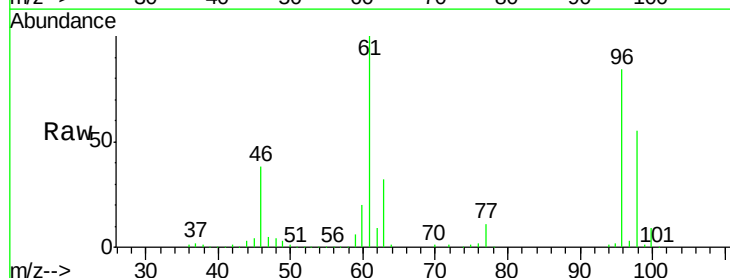
Tgt Ion: 96 Resp: 229109

Ion Ratio Lower Upper

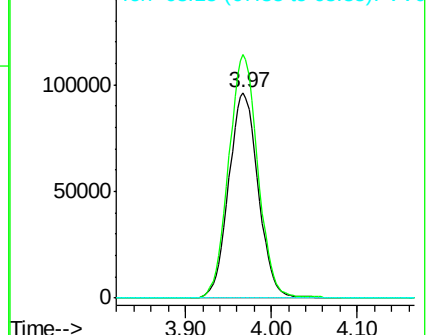
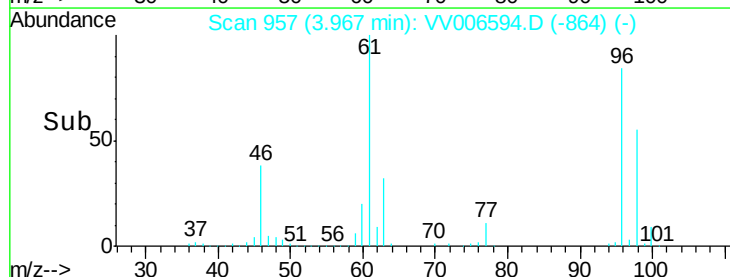
96 100

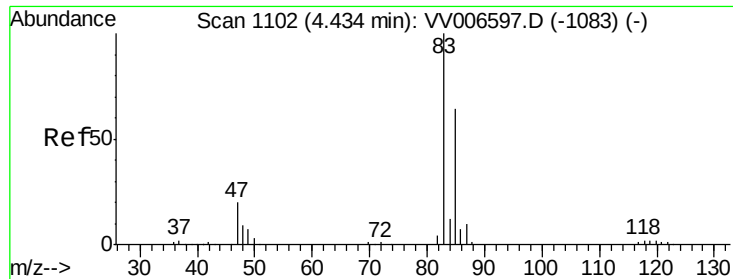
61 118.5 83.8 155.6

68 0.0 0.0 0.0



Abundance Ion 96.00 (95.70 to 96.70): VV006594.D (-864) (-)





#25

Chloroform

Concen: 0.325 ug/L

RT: 4.44 min Scan# 1103

Delta R.T. 0.00 min

Lab File: VV006594.D

Acq: 12 Jul 2018 19:00

Instrument :

MSVOA_V

ClientSampled :

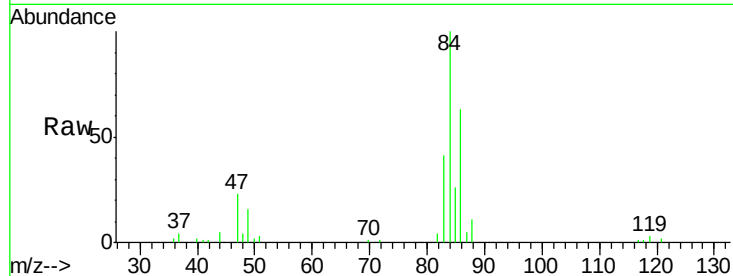
C0AF8

Tgt Ion: 83 Resp: 11624

Ion Ratio Lower Upper

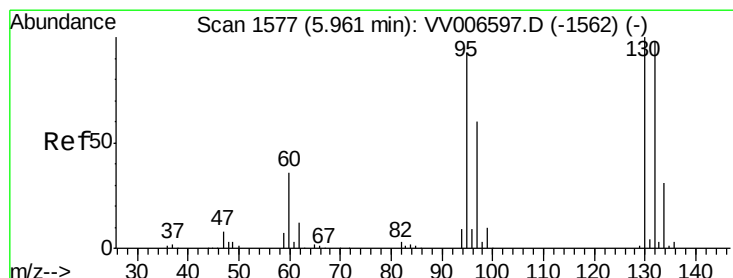
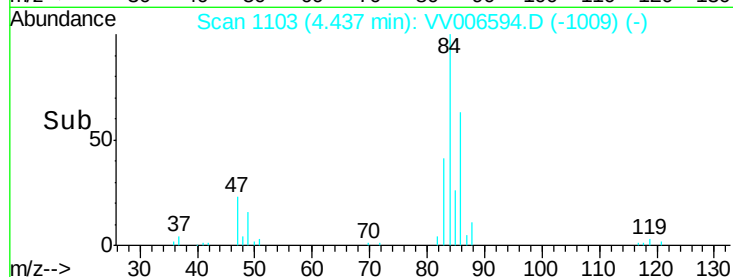
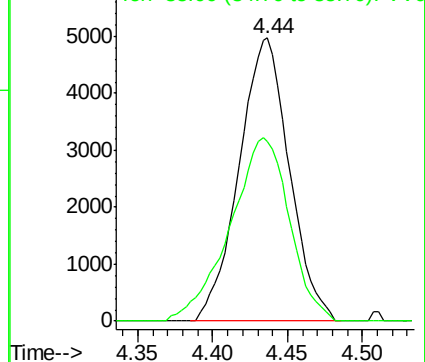
83 100

85 63.6 44.8 83.2



Abundance Ion 83.05 (82.75 to 83.75): VV0

Ion 85.00 (84.70 to 85.70): VV0



#34

Trichloroethene

Concen: 86.264 ug/L

RT: 5.96 min Scan# 1578

Delta R.T. 0.00 min

Lab File: VV006594.D

Acq: 12 Jul 2018 19:00

Tgt Ion: 95 Resp: 1829384

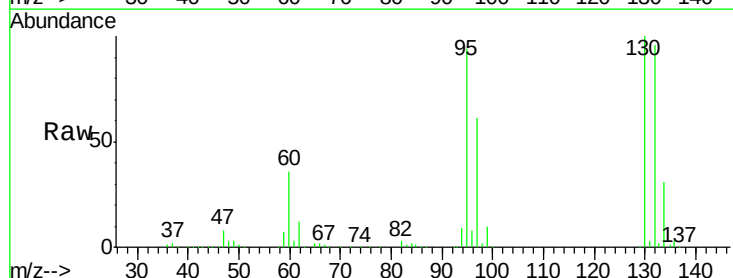
Ion Ratio Lower Upper

95 100

97 65.0 44.3 82.3

132 102.0 70.0 130.0

130 106.5 72.7 134.9

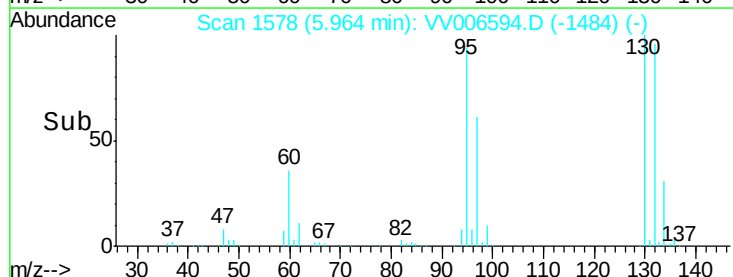
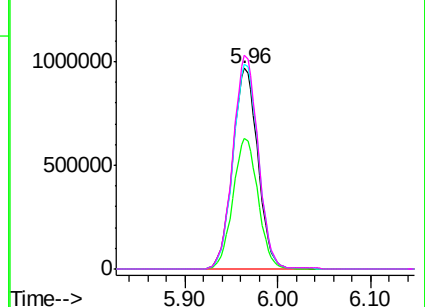


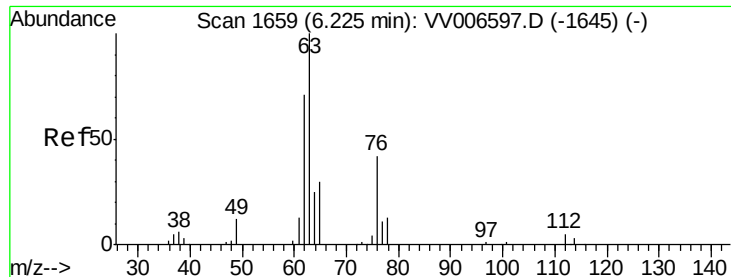
Abundance Ion 95.00 (94.70 to 95.70): VV0

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

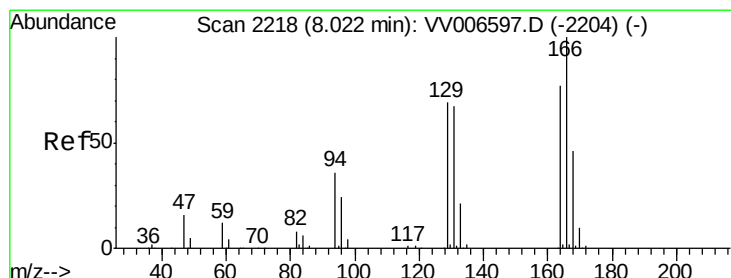
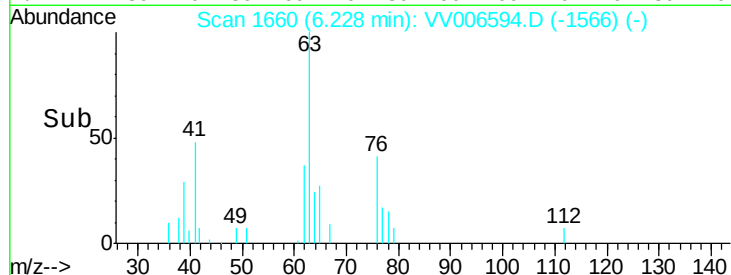
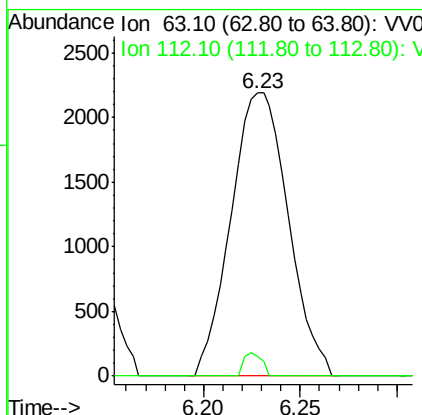
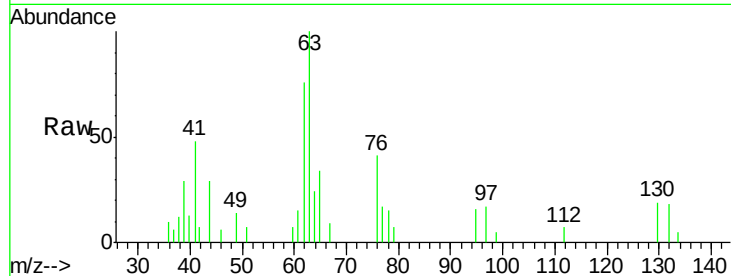




#37
 1,2-Dichloropropane
 Concen: 0.223 ug/L
 RT: 6.23 min Scan# 1660
 Delta R.T. 0.00 min
 Lab File: VV006594.D
 Acq: 12 Jul 2018 19:00

Instrument :
 MSVOA_V
 ClientSampleId :
 C0AF8

Tgt Ion: 63 Resp: 4519
 Ion Ratio Lower Upper
 63 100
 112 2.6 3.8 5.6#



#47
 Tetrachloroethene
 Concen: 3.487 ug/L
 RT: 8.02 min Scan# 2218
 Delta R.T. -0.00 min
 Lab File: VV006594.D
 Acq: 12 Jul 2018 19:00

Tgt Ion: 164 Resp: 60808
 Ion Ratio Lower Upper
 164 100
 129 93.1 62.1 115.3
 131 89.2 60.8 113.0
 166 128.2 87.1 161.7

