

Data Path : Z:\VOASRV\HPCHEM1\MSVOA V\DATA\VV062218\
 Data File : VV006420.D
 Acq On : 22 Jun 2018 18:28
 Operator : SY/MD
 Sample : J3674-13
 Misc : 25 mL/MSVOA V/WATER
 ALS Vial : 1 Sample Multiplier: 1

Instrument :
 MSVOA_V
 ClientSampleId :
 DAZC7

Quant Time: Jun 23 00:25:16 2018
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_V\METHOD\SOMVTR053118WMA.M
 Quant Title : TRACE VOA SOM01.0
 QLast Update : Fri Jun 22 23:56:13 2018
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Difluorobenzene	5.67	114	306503	5.00	ug/L	0.00
28) Chlorobenzene-d5	8.90	117	277068	5.00	ug/L	0.00
60) 1,4-Dichlorobenzene-d4	11.30	152	124073	5.00	ug/L	0.00

System Monitoring Compounds

4) Vinyl Chloride-d3	1.32	65	68800	4.11	ug/L	0.00
Spiked Amount	5.000	Range	40 - 130	Recovery	=	82.20%
7) Chloroethane-d5	1.58	69	67671	5.05	ug/L	0.00
Spiked Amount	5.000	Range	65 - 130	Recovery	=	101.00%
11) 1,1-Dichloroethene-d2	2.14	63	110290	3.39	ug/L	0.00
Spiked Amount	5.000	Range	60 - 125	Recovery	=	67.80%
20) 2-Butanone-d5	3.95	46	227266	63.94	ug/L	-0.02
Spiked Amount	50.000	Range	40 - 130	Recovery	=	127.88%
24) Chloroform-d	4.41	84	155098	4.79	ug/L	0.00
Spiked Amount	5.000	Range	70 - 125	Recovery	=	95.80%
26) 1,2-Dichloroethane-d4	5.09	65	79524	5.08	ug/L	0.00
Spiked Amount	5.000	Range	70 - 130	Recovery	=	101.60%
32) Benzene-d6	5.11	84	319585	4.80	ug/L	0.00
Spiked Amount	5.000	Range	70 - 125	Recovery	=	96.00%
36) 1,2-Dichloropropane-d6	6.13	67	101459	5.07	ug/L	0.00
Spiked Amount	5.000	Range	60 - 140	Recovery	=	101.40%
41) Toluene-d8	7.37	98	278699	4.39	ug/L	0.00
Spiked Amount	5.000	Range	70 - 130	Recovery	=	87.80%
43) trans-1,3-Dichloropropene-	7.67	79	30790	3.44	ug/L	0.00
Spiked Amount	5.000	Range	55 - 130	Recovery	=	68.80%
46) 2-Hexanone-d5	8.14	63	173749	44.93	ug/L	0.00
Spiked Amount	50.000	Range	45 - 130	Recovery	=	89.86%
57) 1,1,2,2-Tetrachloroethane-	10.27	84	66866	4.61	ug/L	0.00
Spiked Amount	5.000	Range	65 - 120	Recovery	=	92.20%
64) 1,2-Dichlorobenzene-d4	11.68	152	105730	4.91	ug/L	0.00
Spiked Amount	5.000	Range	80 - 120	Recovery	=	98.20%

Target Compounds

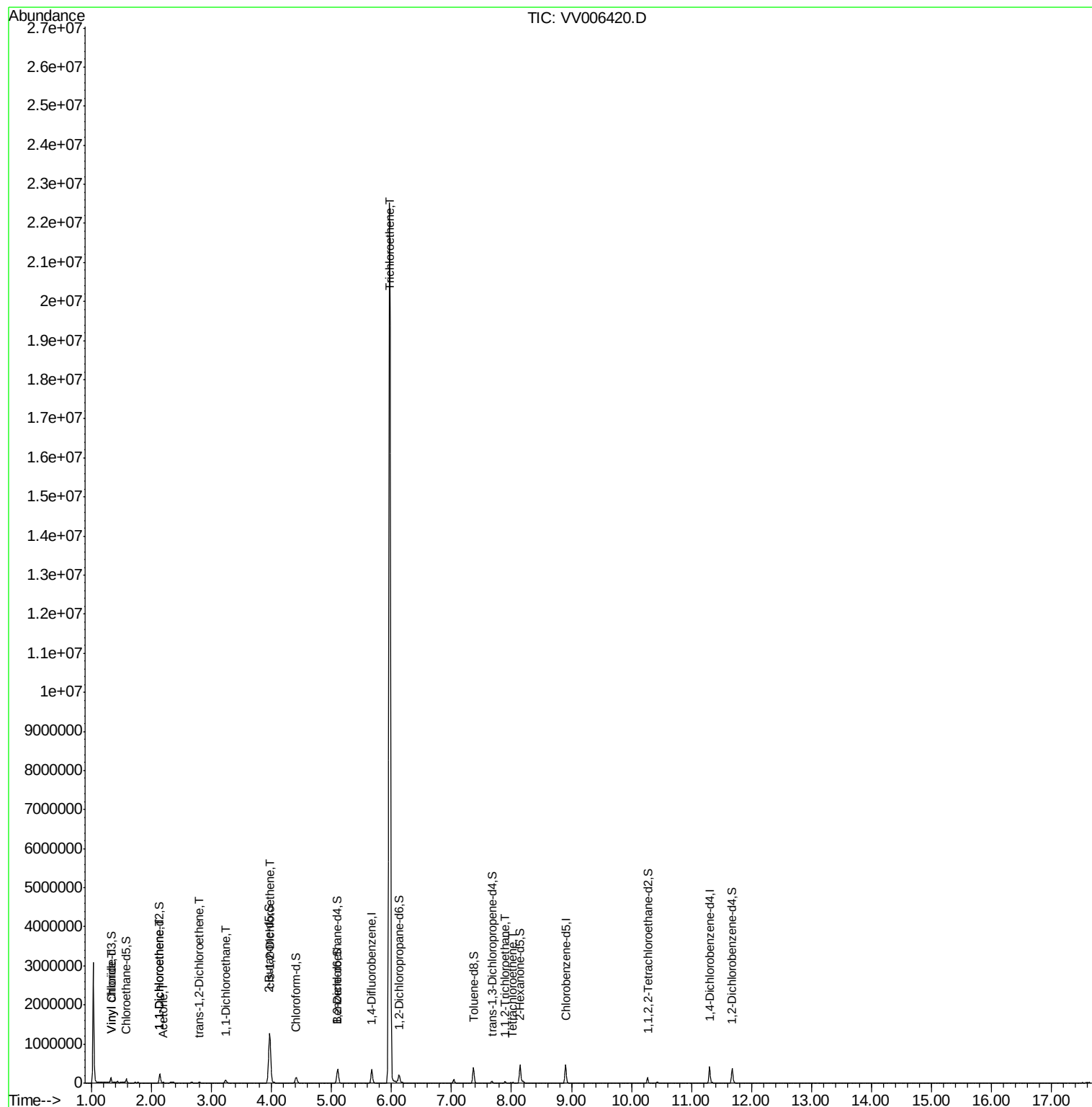
Target Compounds	R.T.	QIon	Response	Conc	Units	Ovalue
5) Vinyl chloride	1.33	62	24574	1.04	ug/L	92
12) 1,1-Dichloroethene	2.15	96	21053	1.20	ug/L #	38
13) Acetone	2.20	43	9081	4.71	ug/L	93
18) trans-1,2-Dichloroethene	2.80	96	5400	0.28	ug/L	96
19) 1,1-Dichloroethane	3.23	63	71061	2.20	ug/L	98
22) cis-1,2-Dichloroethene	3.97	96	694785	33.46	ug/L #	98
34) Trichloroethene	5.97	95	7889547	378.39	ug/L	98
45) 1,1,2-Trichloroethane	7.89	97	12874	0.99	ug/L	98
47) Tetrachloroethene	8.02	164	3531	0.21	ug/L	97

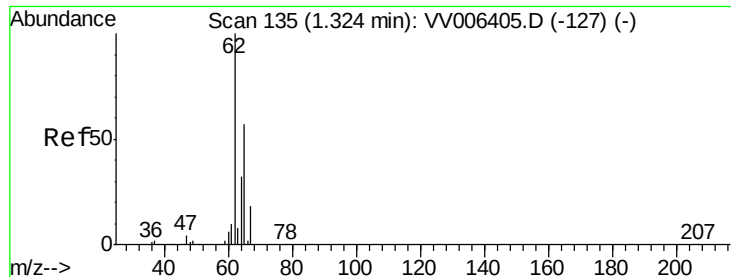
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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QLast Update : Fri Jun 22 23:56:13 2018
Response via : Initial Calibration





#5

Vinyl chloride

Concen: 1.04 ug/L

RT: 1.33 min Scan# 136

Delta R.T. 0.00 min

Lab File: VV006420.D

Acq: 22 Jun 2018 18:28

Instrument :

MSVOA_V

ClientSampleId :

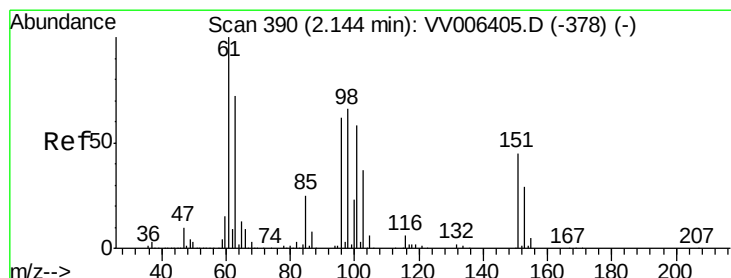
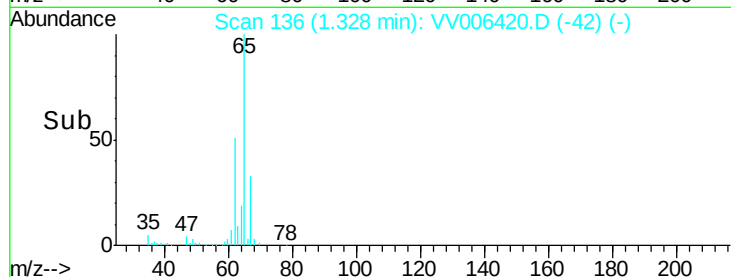
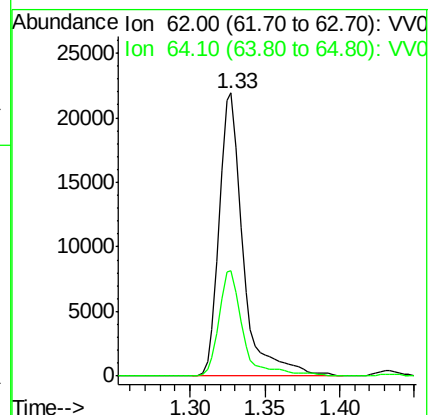
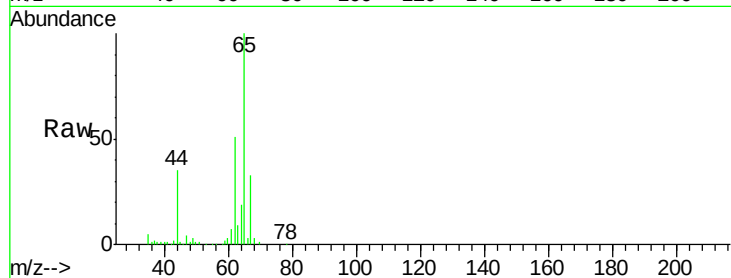
DAZC7

Tot Ion: 62 Resp: 24574

Ion Ratio Lower Upper

62 100

64 37.3 23.1 42.9



#12

1,1-Dichloroethene

Concen: 1.20 ug/L

RT: 2.15 min Scan# 391

Delta R.T. 0.00 min

Lab File: VV006420.D

Acq: 22 Jun 2018 18:28

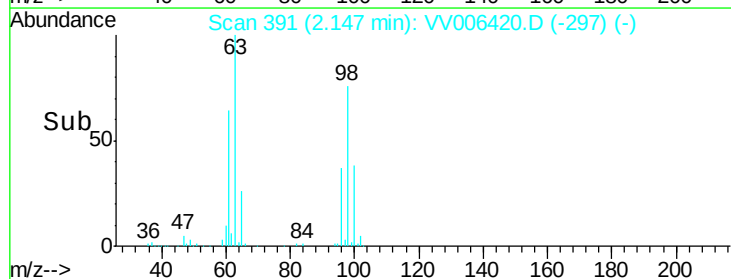
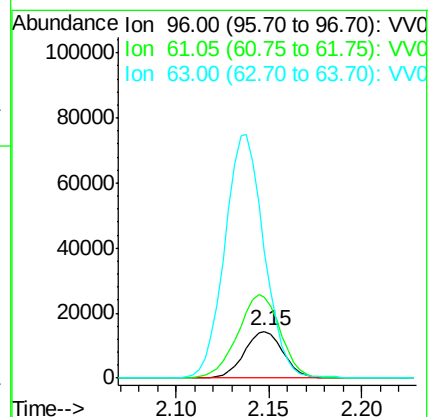
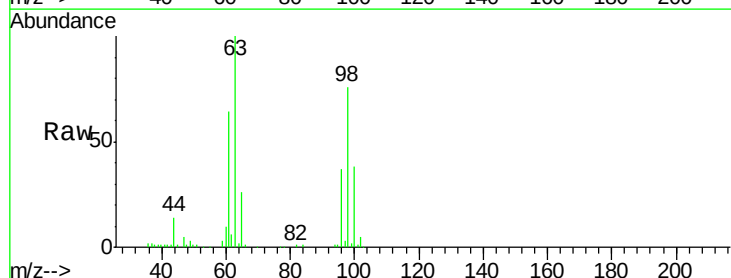
Tgt Ion: 96 Resp: 21053

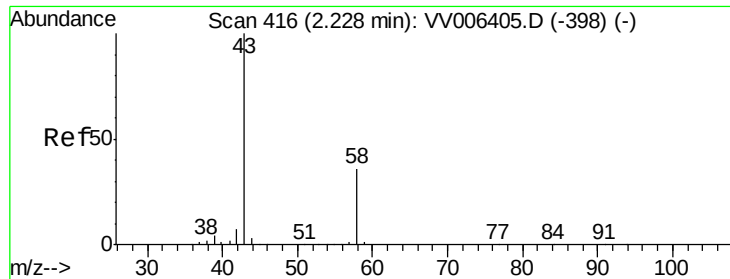
Ion Ratio Lower Upper

96 100

61 173.3 114.2 212.2

63 271.7 85.0 157.8#





#13

Acetone

Concen: 4.71 ug/L

RT: 2.20 min Scan# 407

Delta R.T. -0.03 min

Lab File: VV006420.D

Acq: 22 Jun 2018 18:28

Instrument :

MSVOA_V

ClientSampleId :

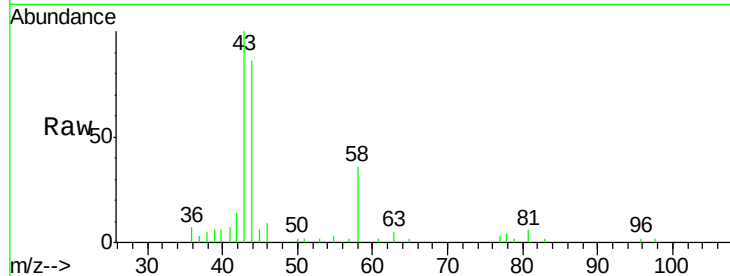
DAZC7

Tot Ion: 43 Resp: 9081

Ion Ratio Lower Upper

43 100

58 38.0 0.0 67.4



Abundance Ion 43.05 (42.75 to 43.75): VV0

Ion 58.05 (57.75 to 58.75): VV0

2.20

6000

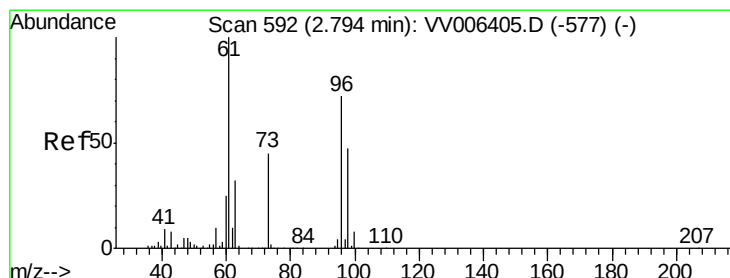
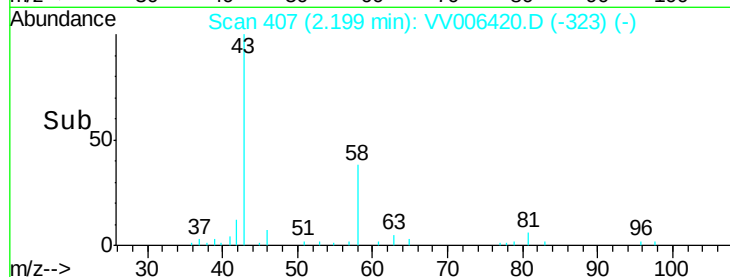
4000

2000

0

Time-->

2.15 2.20 2.25



#18

trans-1,2-Dichloroethene

Concen: 0.28 ug/L

RT: 2.80 min Scan# 593

Delta R.T. 0.00 min

Lab File: VV006420.D

Acq: 22 Jun 2018 18:28

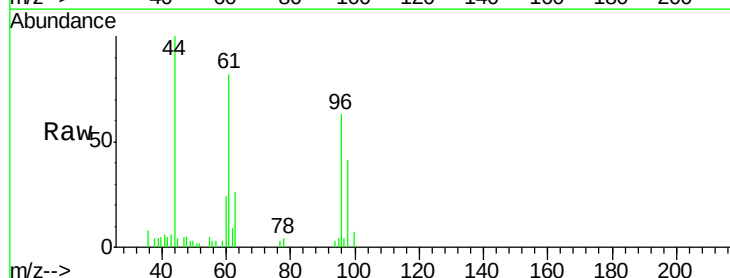
Tgt Ion: 96 Resp: 5400

Ion Ratio Lower Upper

96 100

61 130.7 96.3 178.9

98 65.4 45.4 84.2



Abundance Ion 96.00 (95.70 to 96.70): VV0

Ion 61.05 (60.75 to 61.75): VV0

Ion 97.95 (97.65 to 98.65): VV0

6000

5000

4000

3000

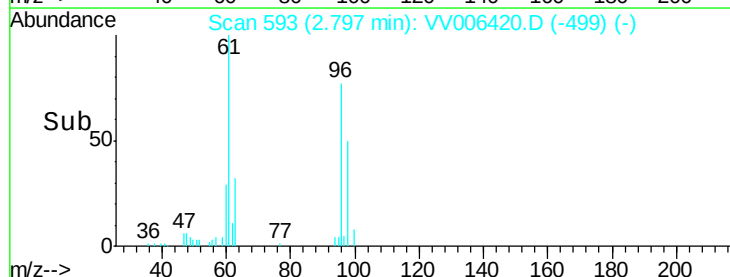
2000

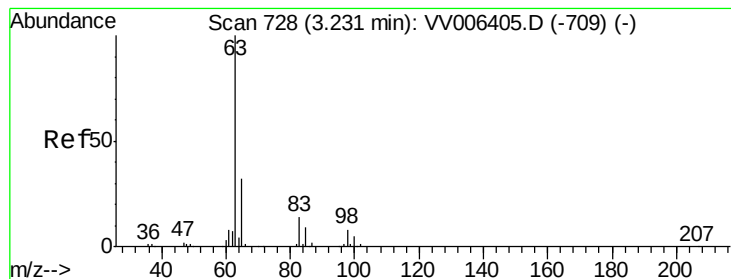
1000

0

Time-->

2.75 2.80 2.85





#19

1,1-Dichloroethane

Concen: 2.20 ug/L

RT: 3.23 min Scan# 729

Delta R.T. 0.00 min

Lab File: VV006420.D

Acq: 22 Jun 2018 18:28

Instrument :

MSVOA_V

ClientSampleId :

DAZC7

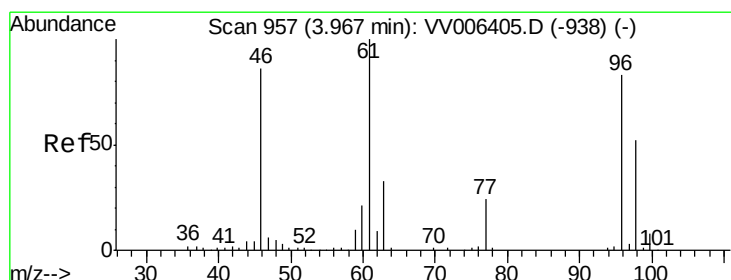
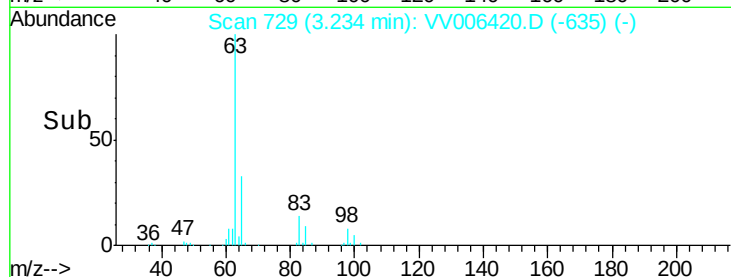
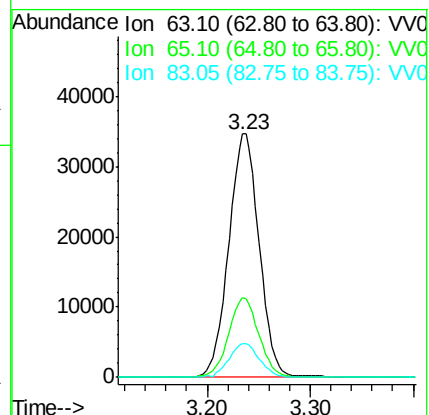
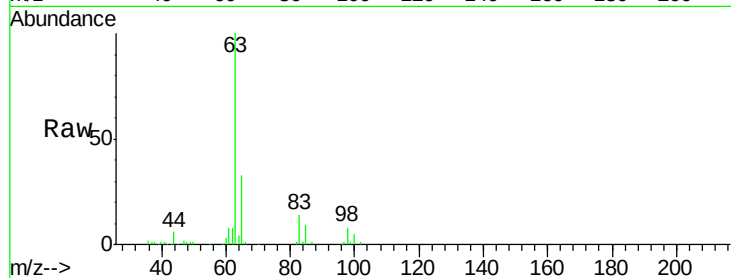
Tot Ion: 63 Resp: 71061

Ion Ratio Lower Upper

63 100

65 32.8 22.3 41.3

83 13.8 10.0 18.6



#22

cis-1,2-Dichloroethene

Concen: 33.46 ug/L

RT: 3.97 min Scan# 958

Delta R.T. 0.00 min

Lab File: VV006420.D

Acq: 22 Jun 2018 18:28

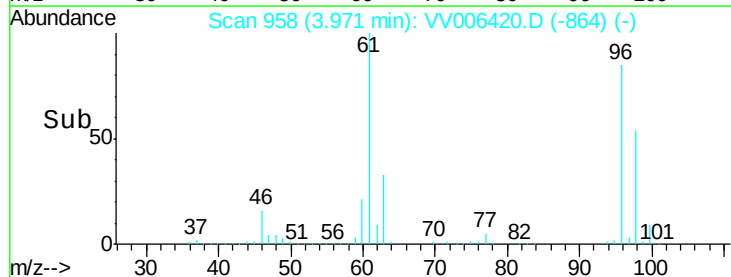
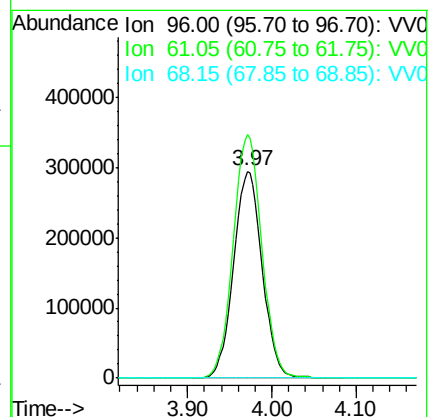
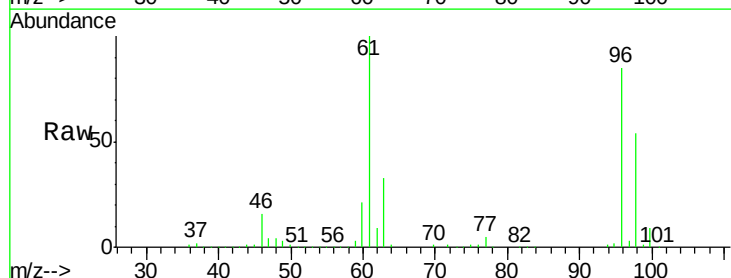
Tgt Ion: 96 Resp: 694785

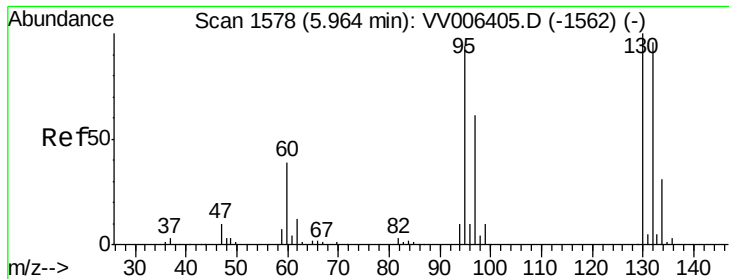
Ion Ratio Lower Upper

96 100

61 117.6 84.1 156.3

68 0.0 0.3 0.5#





#34

Trichloroethene

Concen: 378.39 ug/L

RT: 5.97 min Scan# 1580

Delta R.T. 0.01 min

Lab File: VV006420.D

Acq: 22 Jun 2018 18:28

Instrument :

MSVOA_V

ClientSampleId :

DAZC7

Tot Ion: 95 Resp: 7889547

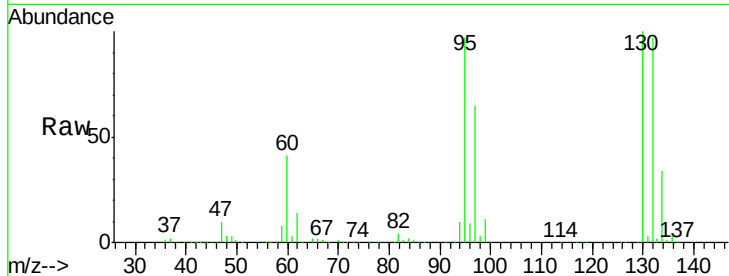
Ion Ratio Lower Upper

95 100

97 67.5 45.1 83.9

132 100.1 69.0 128.1

130 103.4 72.8 135.2



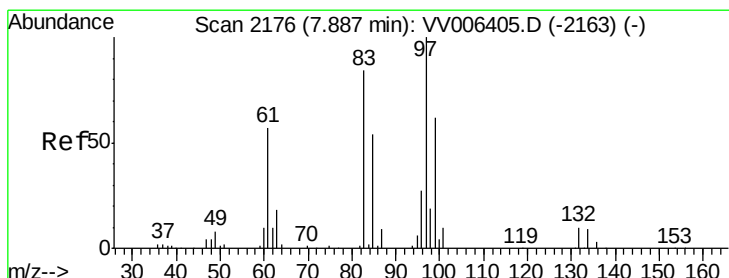
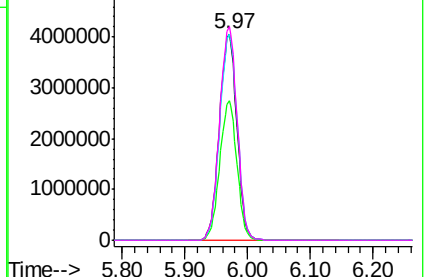
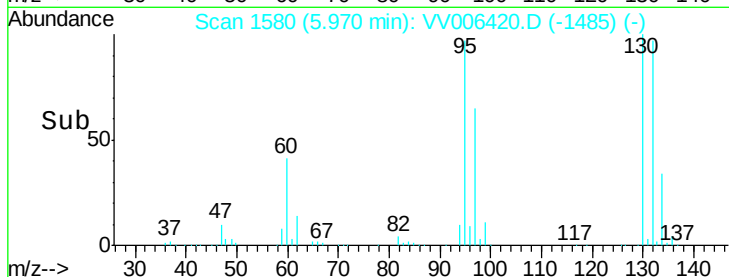
Abundance Ion 95.00 (94.70 to 95.70): VV0

Ion 96.95 (96.65 to 97.65): VV0

Ion 131.95 (131.65 to 132.65): VV0

Ion 129.95 (129.65 to 130.65): VV0

Time-->



#45

1,1,2-Trichloroethane

Concen: 0.99 ug/L

RT: 7.89 min Scan# 2177

Delta R.T. 0.00 min

Lab File: VV006420.D

Acq: 22 Jun 2018 18:28

Tgt Ion: 97 Resp: 12874

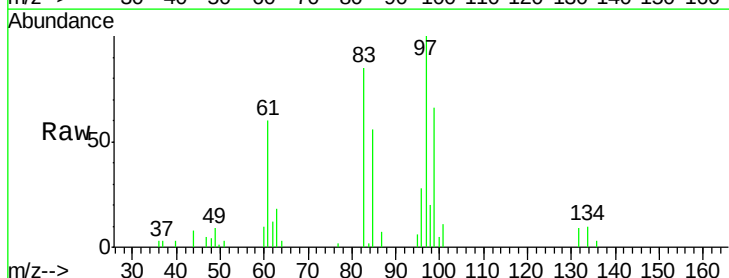
Ion Ratio Lower Upper

97 100

99 66.0 43.8 81.3

83 84.7 58.2 108.2

85 55.5 39.3 73.1



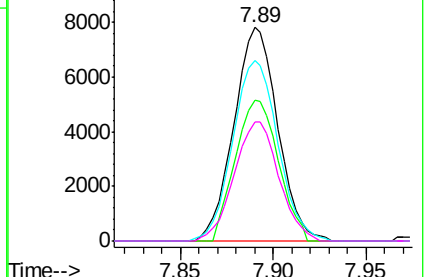
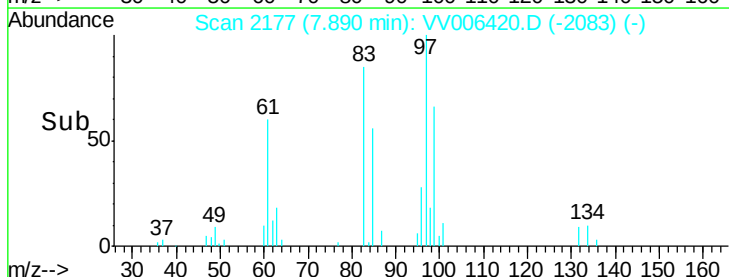
Abundance Ion 96.95 (96.65 to 97.65): VV0

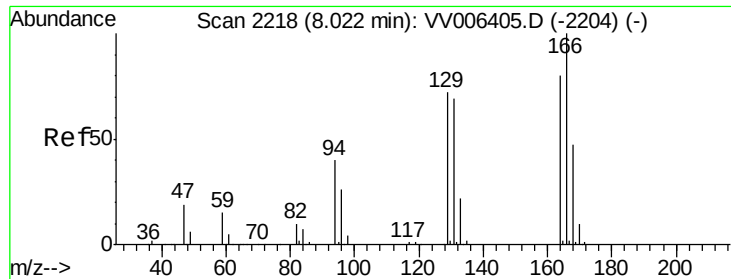
Ion 99.05 (98.75 to 99.75): VV0

Ion 82.95 (82.65 to 83.65): VV0

Ion 85.00 (84.70 to 85.70): VV0

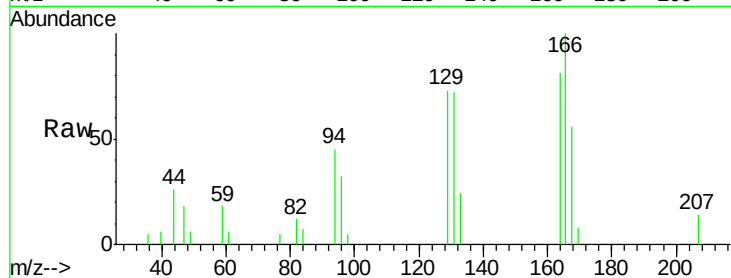
Time-->





#47
 Tetrachloroethene
 Concen: 0.21 ug/L
 RT: 8.02 min Scan# 2218
 Delta R.T. -0.00 min
 Lab File: VV006420.D
 Acq: 22 Jun 2018 18:28

Instrument :
 MSVOA_V
 ClientSampleId :
 DAZC7



Tot Ion:	164	Resp:	3531
Ion	Ratio	Lower	Upper
164	100		
129	91.1	62.7	116.5
131	89.9	61.0	113.2
166	124.1	89.5	166.3

