

Data File : VV009798.D
Acq On : 21 Mar 2019 16:01
Operator : SY/MD
Sample : K1955-02
Misc : 25.0mL/MSVOA_V/WATER
ALS Vial : 10 Sample Multiplier: 1

Instrument :
MSVOA_V
ClientSampleId :
CWK15

Quant Time: Mar 22 07:56:18 2019
Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_V\METHOD\SOMVTR032119WMA.M
Quant Title : TRACE VOA SOM01.0
QLast Update : Thu Mar 21 15:15:58 2019
Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Difluorobenzene	5.67	114	110526	5.00	ug/L	0.00
28) Chlorobenzene-d5	8.90	117	115140	5.00	ug/L	0.00
60) 1,4-Dichlorobenzene-d4	11.30	152	50561	5.00	ug/L	0.00

System Monitoring Compounds

4) Vinyl Chloride-d3	1.32	65	55255	4.14	ug/L	0.00
Spiked Amount	5.000	Range	40 - 130	Recovery	=	82.80%
7) Chloroethane-d5	1.59	69	53049	4.57	ug/L	0.00
Spiked Amount	5.000	Range	65 - 130	Recovery	=	91.40%
11) 1,1-Dichloroethene-d2	2.13	63	111097	3.51	ug/L	0.00
Spiked Amount	5.000	Range	60 - 125	Recovery	=	70.20%
20) 2-Butanone-d5	3.95	46	73061	47.26	ug/L	-0.04
Spiked Amount	50.000	Range	40 - 130	Recovery	=	94.52%
24) Chloroform-d	4.40	84	61817	4.39	ug/L	0.00
Spiked Amount	5.000	Range	70 - 125	Recovery	=	87.80%
26) 1,2-Dichloroethane-d4	5.09	65	31034	4.79	ug/L	0.00
Spiked Amount	5.000	Range	70 - 130	Recovery	=	95.80%
32) Benzene-d6	5.10	84	136980	4.58	ug/L	0.00
Spiked Amount	5.000	Range	70 - 125	Recovery	=	91.60%
36) 1,2-Dichloropropane-d6	6.12	67	40892	4.59	ug/L	0.00
Spiked Amount	5.000	Range	60 - 140	Recovery	=	91.80%
41) Toluene-d8	7.36	98	121576	4.16	ug/L	0.00
Spiked Amount	5.000	Range	70 - 130	Recovery	=	83.20%
43) trans-1,3-Dichloropropene-	7.66	79	13170	3.96	ug/L	0.00
Spiked Amount	5.000	Range	55 - 130	Recovery	=	79.20%
46) 2-Hexanone-d5	8.14	63	63242	44.68	ug/L	0.00
Spiked Amount	50.000	Range	45 - 130	Recovery	=	89.36%
57) 1,1,2,2-Tetrachloroethane-	10.26	84	29242	4.24	ug/L	0.00
Spiked Amount	5.000	Range	65 - 120	Recovery	=	84.80%
64) 1,2-Dichlorobenzene-d4	11.68	152	43307	4.72	ug/L	0.00
Spiked Amount	5.000	Range	80 - 120	Recovery	=	94.40%

Target Compounds

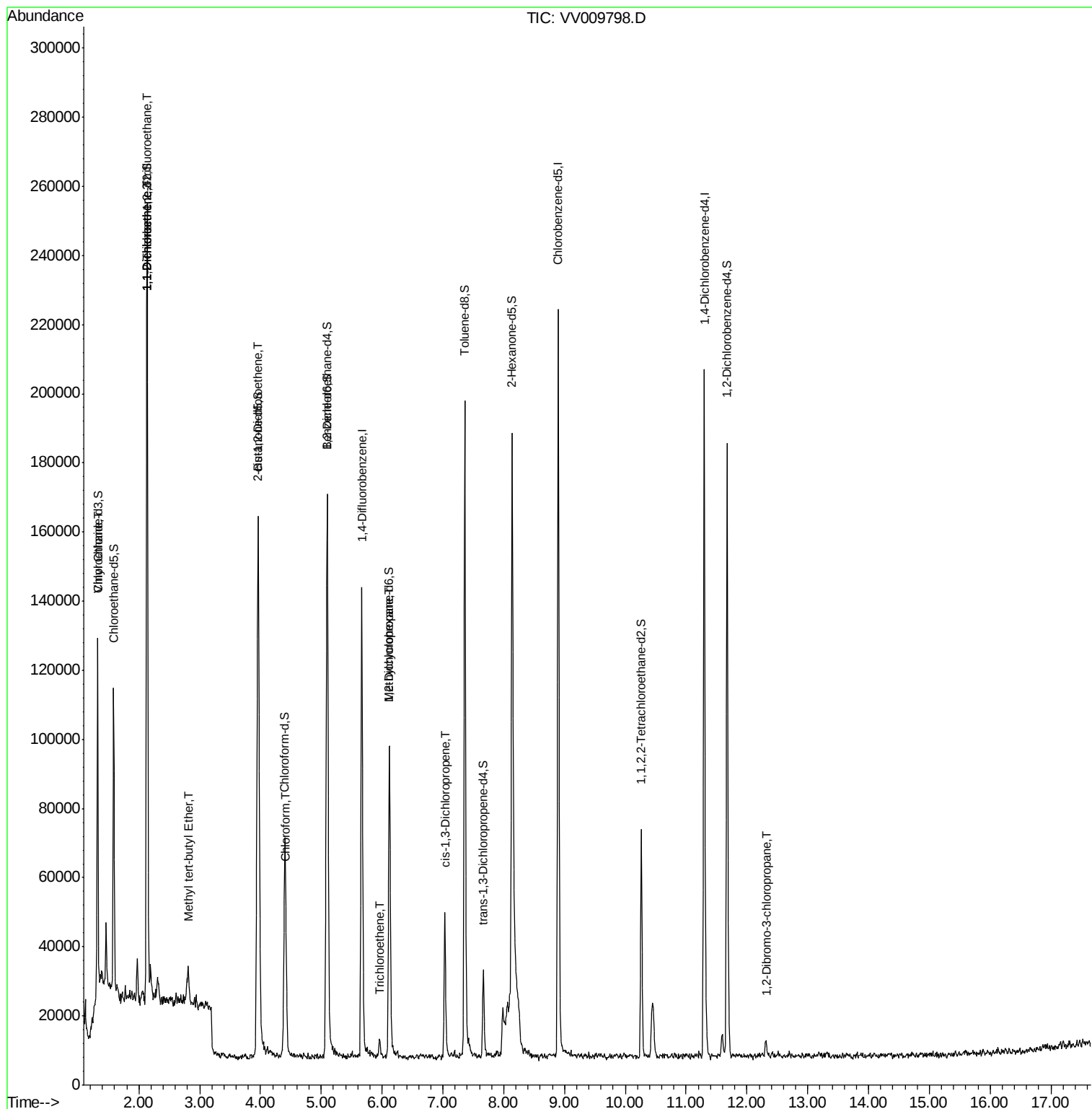
						Qvalue
8) Chloroethane	1.32	64	1132	0.102	ug/L	97
10) 1,1,2-Trichloro-1,2,2-trif	2.14	101	7952	0.479	ug/L	90
12) 1,1-Dichloroethene	2.14	96	2201	0.149	ug/L #	1
17) Methyl tert-butyl Ether	2.81	73	8990	0.264	ug/L	97
22) cis-1,2-Dichloroethene	3.96	96	66691	8.705	ug/L	96
25) Chloroform	4.43	83	1211	0.090	ug/L	87
34) Trichloroethene	5.96	95	1453	0.178	ug/L	95
35) Methylcyclohexane	6.12	83	9272	0.662	ug/L #	20
39) cis-1,3-Dichloropropene	7.03	75	1385	0.127	ug/L #	78
66) 1,2-Dibromo-3-chloropropan	12.32	75	89	0.110	ug/L #	1

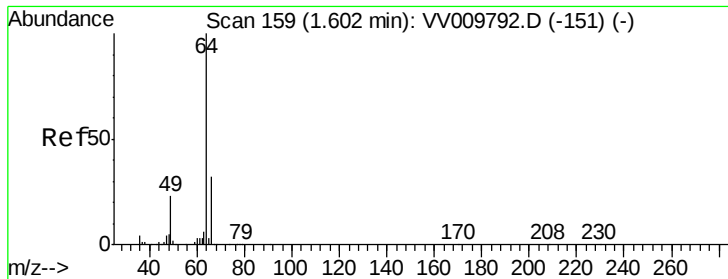
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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#8

Chloroethane

Concen: 0.102 ug/L

RT: 1.32 min Scan# 72

Delta R.T. -0.28 min

Lab File: VV009798.D

Acq: 21 Mar 2019 16:01

Instrument :

MSVOA_V

ClientSampleId :

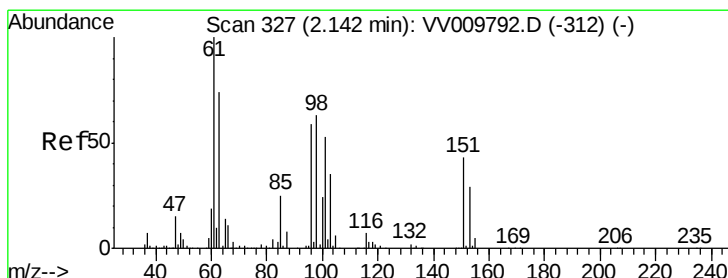
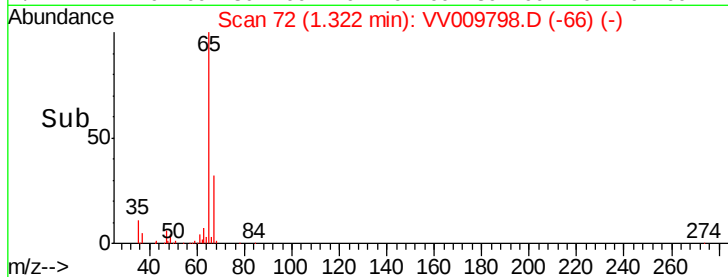
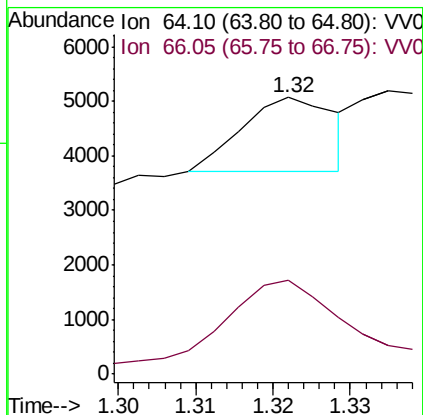
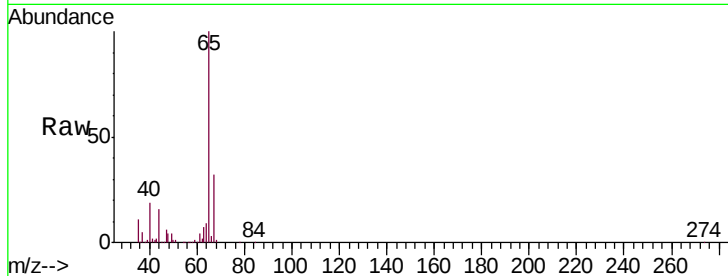
CWK15

Tgt Ion: 64 Resp: 1132

Ion Ratio Lower Upper

64 100

66 33.9 22.4 41.6



#10

1,1,2-Trichloro-1,2,2-trifluoroethane

Concen: 0.479 ug/L

RT: 2.14 min Scan# 327

Delta R.T. 0.00 min

Lab File: VV009798.D

Acq: 21 Mar 2019 16:01

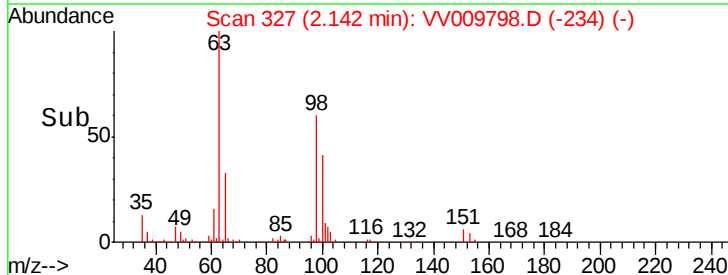
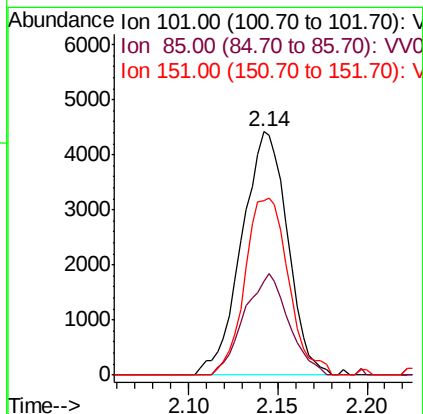
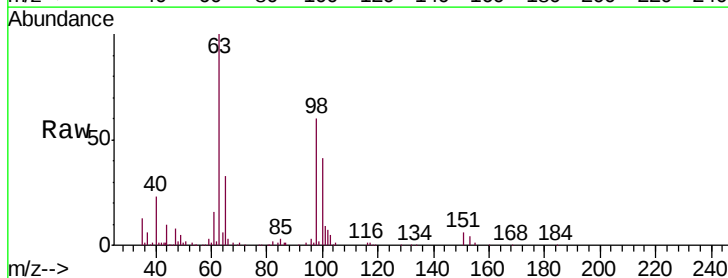
Tgt Ion: 101 Resp: 7952

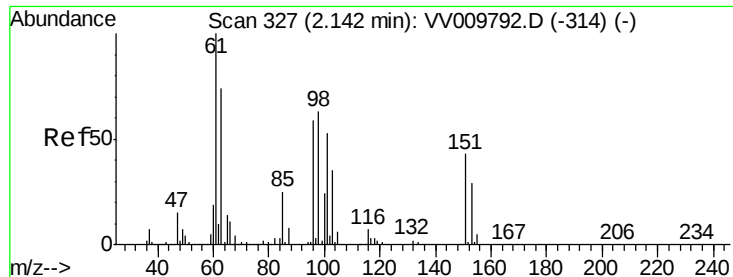
Ion Ratio Lower Upper

101 100

85 40.2 39.2 58.8

151 69.1 61.1 91.7





#12

1,1-Dichloroethene

Concen: 0.149 ug/L

RT: 2.14 min Scan# 327

Delta R.T. 0.00 min

Lab File: VV009798.D

Acq: 21 Mar 2019 16:01

Instrument :

MSVOA_V

ClientSampleId :

CWK15

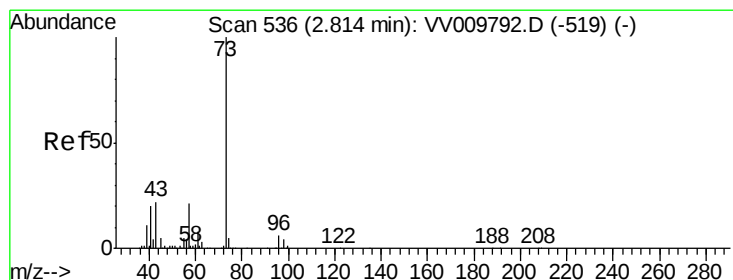
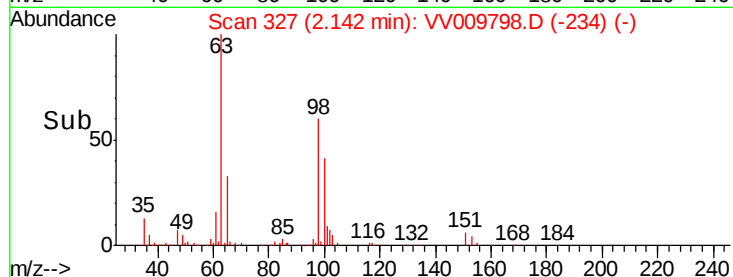
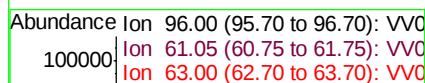
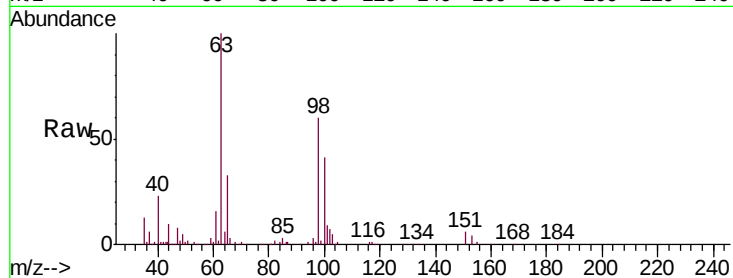
Tgt Ion: 96 Resp: 2201

Ion Ratio Lower Upper

96 100

61 568.9 127.1 236.0#

63 3608.5 88.8 164.8#



#17

Methyl tert-butyl Ether

Concen: 0.264 ug/L

RT: 2.81 min Scan# 535

Delta R.T. -0.00 min

Lab File: VV009798.D

Acq: 21 Mar 2019 16:01

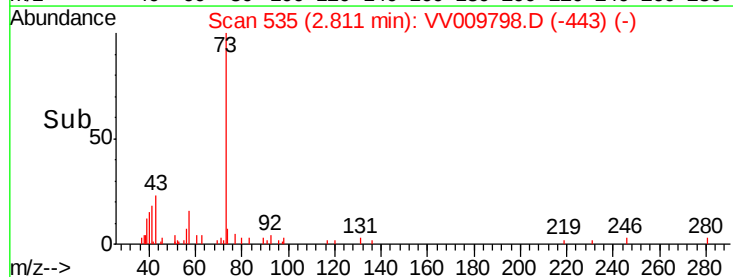
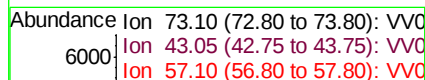
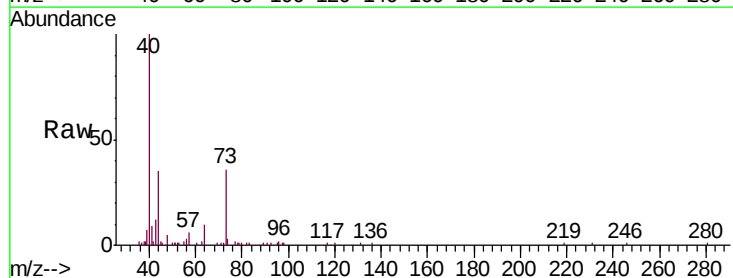
Tgt Ion: 73 Resp: 8990

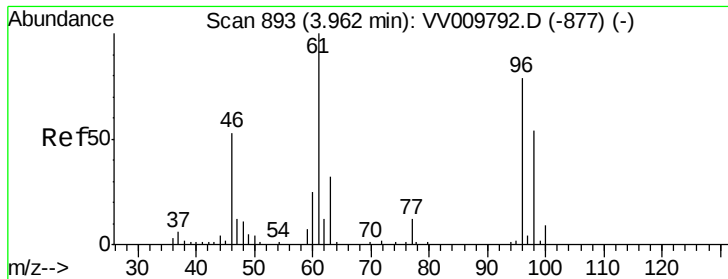
Ion Ratio Lower Upper

73 100

43 20.8 17.2 25.8

57 23.4 17.3 25.9



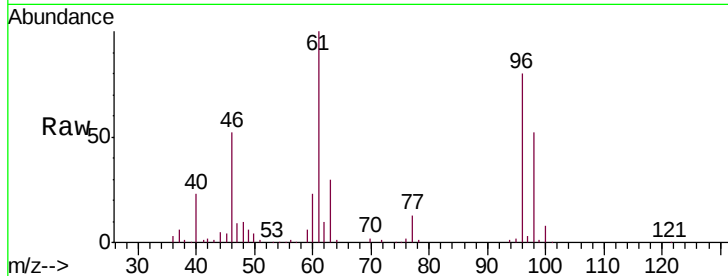


#22

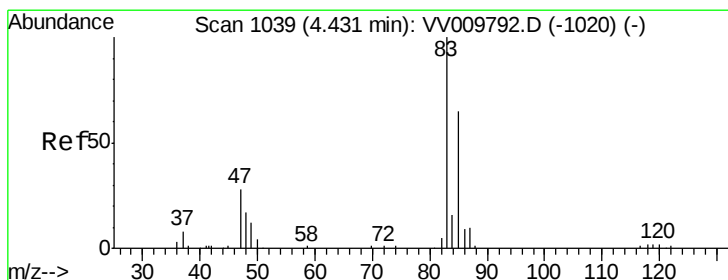
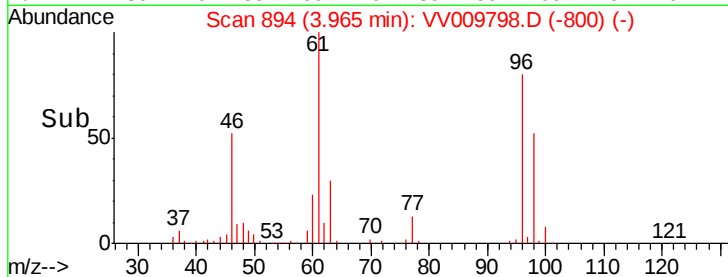
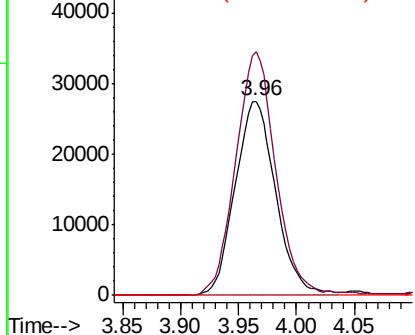
cis-1,2-Dichloroethene
 Concen: 8.705 ug/L
 RT: 3.96 min Scan# 894
 Delta R.T. 0.00 min
 Lab File: VV009798.D
 Acq: 21 Mar 2019 16:01

Instrument :
 MSVOA_V
 ClientSampleId :
 CWK15

Tgt Ion: 96 Resp: 66691
 Ion Ratio Lower Upper
 96 100
 61 125.6 84.8 157.4
 68 0.0 0.0 0.0



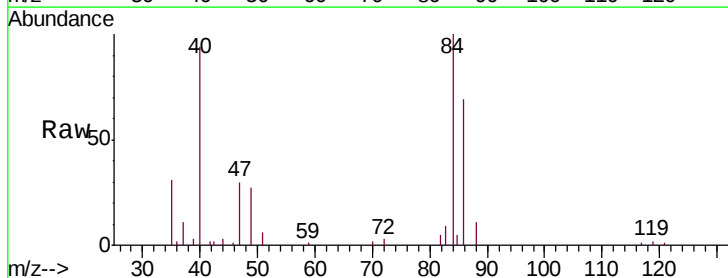
Abundance Ion 96.00 (95.70 to 96.70): VV0
 Ion 61.05 (60.75 to 61.75): VV0
 Ion 68.15 (67.85 to 68.85): VV0



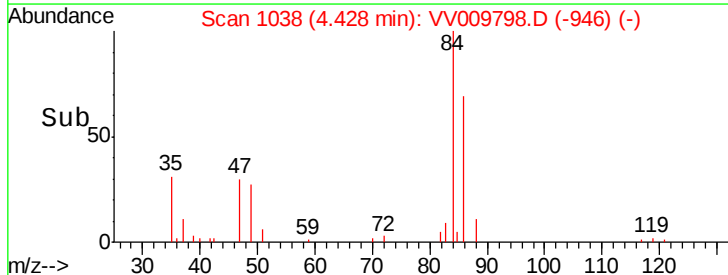
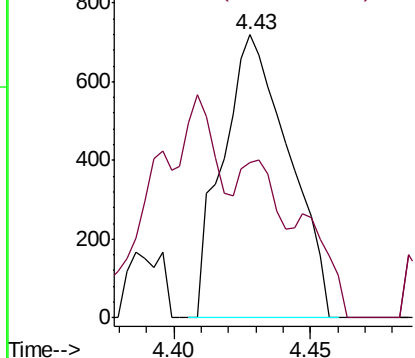
#25

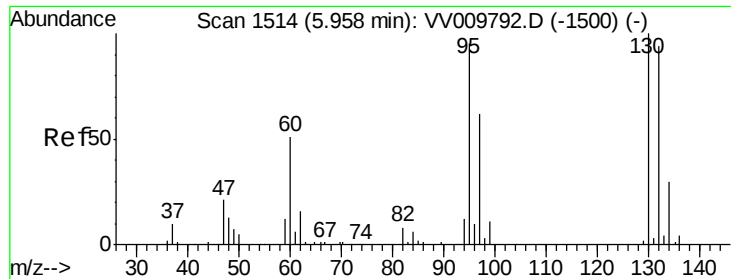
Chloroform
 Concen: 0.090 ug/L
 RT: 4.43 min Scan# 1038
 Delta R.T. -0.00 min
 Lab File: VV009798.D
 Acq: 21 Mar 2019 16:01

Tgt Ion: 83 Resp: 1211
 Ion Ratio Lower Upper
 83 100
 85 55.1 45.7 84.9



Abundance Ion 83.05 (82.75 to 83.75): VV0
 Ion 85.00 (84.70 to 85.70): VV0

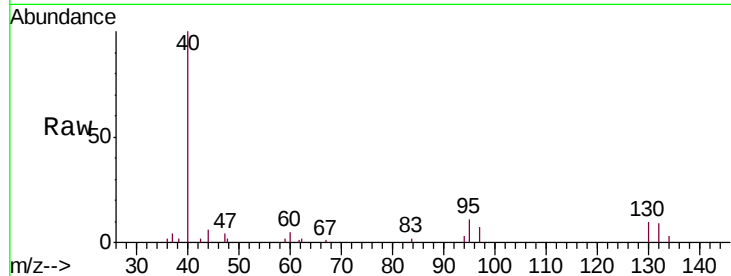




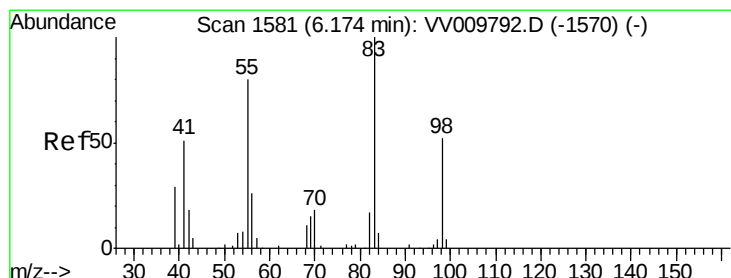
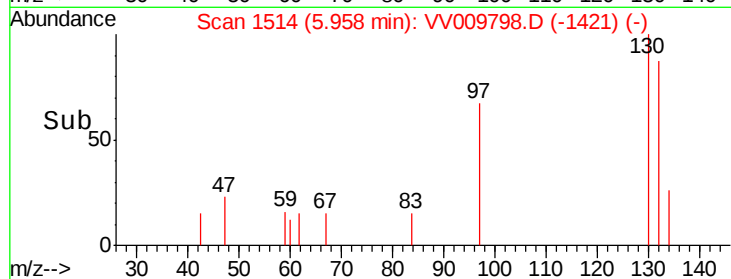
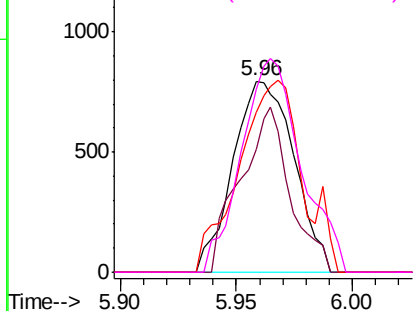
#34
 Trichloroethene
 Concen: 0.178 ug/L
 RT: 5.96 min Scan# 1514
 Delta R.T. 0.00 min
 Lab File: VV009798.D
 Acq: 21 Mar 2019 16:01

Instrument :
 MSVOA_V
 ClientSampled :
 CWK15

Tgt Ion: 95 Resp: 1453
 Ion Ratio Lower Upper
 95 100
 97 64.6 44.4 82.5
 132 83.8 66.4 123.4
 130 96.2 68.1 126.5

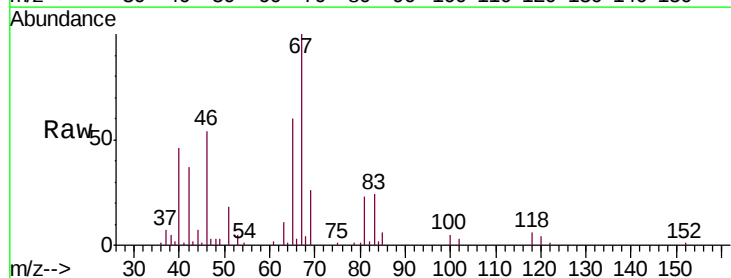


Abundance Ion 95.00 (94.70 to 95.70): VV0
 Ion 96.95 (96.65 to 97.65): VV0
 Ion 131.95 (131.65 to 132.65): VV0
 Ion 129.95 (129.65 to 130.65): VV0

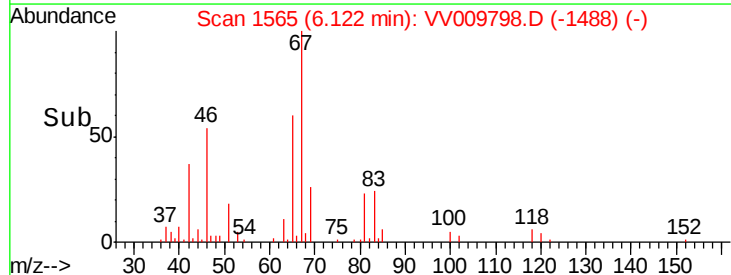
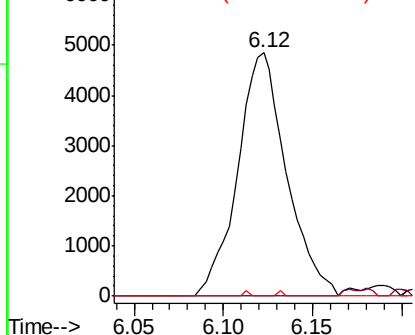


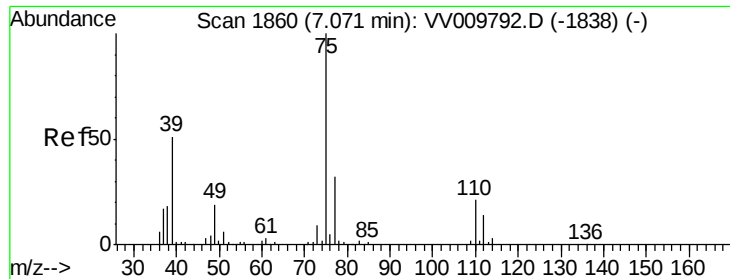
#35
 Methylcyclohexane
 Concen: 0.662 ug/L
 RT: 6.12 min Scan# 1565
 Delta R.T. -0.05 min
 Lab File: VV009798.D
 Acq: 21 Mar 2019 16:01

Tgt Ion: 83 Resp: 9272
 Ion Ratio Lower Upper
 83 100
 55 0.5 57.4 86.2#
 98 0.2 38.9 58.3#



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





#39

cis-1,3-Dichloropropene

Concen: 0.127 ug/L

RT: 7.03 min Scan# 1846

Delta R.T. -0.05 min

Lab File: VV009798.D

Acq: 21 Mar 2019 16:01

Instrument :

MSVOA_V

ClientSampleId :

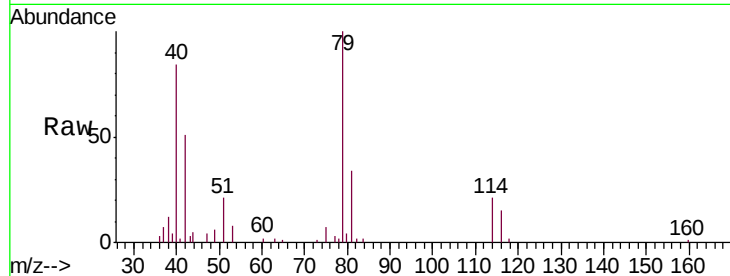
CWK15

Tgt Ion: 75 Resp: 1385

Ion Ratio Lower Upper

75 100

77 47.4 24.1 44.8#

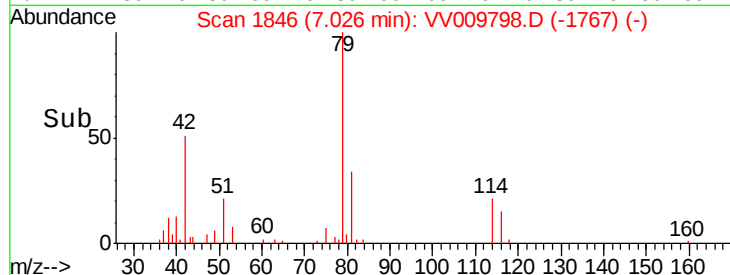


Abundance Ion 75.05 (74.75 to 75.75): VV0

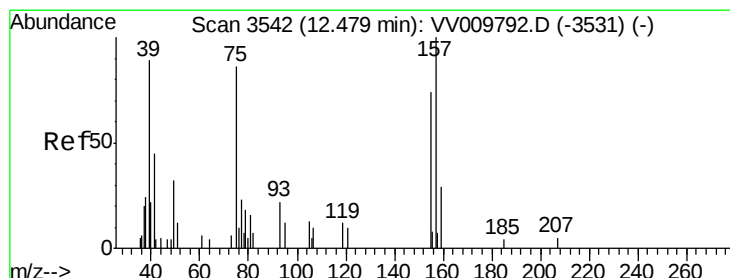
Ion 77.05 (76.75 to 77.75): VV0

7.03

7.05



Time-->



#66

1,2-Dibromo-3-chloropropane

Concen: 0.110 ug/L

RT: 12.32 min Scan# 3494

Delta R.T. -0.15 min

Lab File: VV009798.D

Acq: 21 Mar 2019 16:01

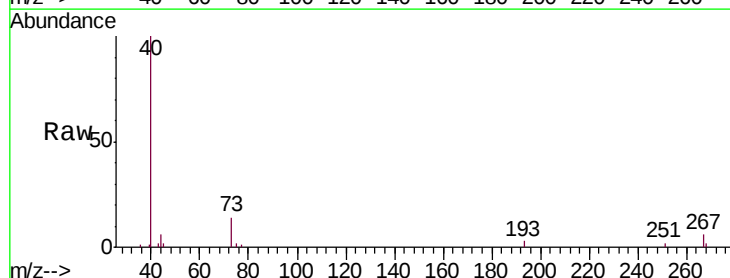
Tgt Ion: 75 Resp: 89

Ion Ratio Lower Upper

75 100

155 0.0 73.5 110.3#

157 0.0 88.3 132.5#



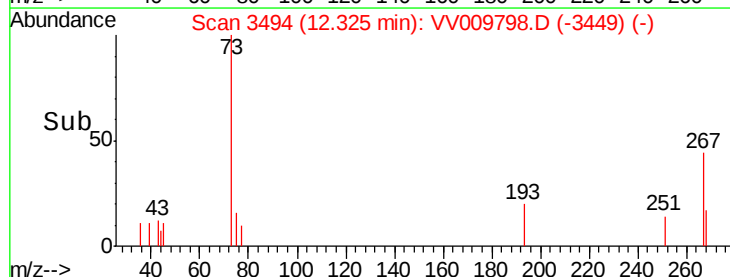
Abundance Ion 75.05 (74.75 to 75.75): VV0

Ion 154.95 (154.65 to 155.65): V

Ion 156.90 (156.60 to 157.60): V

12.32

12.33



Time-->