

Data File : VV011720.D
Acq On : 22 Jun 2019 07:10
Operator : SY/MD
Sample : K3462-06 500X
Misc : 25ML/MSVOA_V/WATER
ALS Vial : 51 Sample Multiplier: 1

Instrument :
MSVOA_V
ClientSampleId :
BFCW3

Quant Time: Jun 24 05:50:53 2019
Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_V\METHOD\SOMVTR062119WMA.M
Quant Title : TRACE VOA SOM01.0
QLast Update : Mon Jun 24 05:42:24 2019
Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Difluorobenzene	5.66	114	159472	5.00	ug/L	0.00
28) Chlorobenzene-d5	8.89	117	149868	5.00	ug/L	0.00
60) 1,4-Dichlorobenzene-d4	11.29	152	60639	5.00	ug/L	0.00

System Monitoring Compounds

4) Vinyl Chloride-d3	1.32	65	43376	4.10	ug/L	0.00
Spiked Amount	5.000	Range	40 - 130	Recovery	=	82.00%
7) Chloroethane-d5	1.57	69	30661	4.12	ug/L	0.00
Spiked Amount	5.000	Range	65 - 130	Recovery	=	82.40%
11) 1,1-Dichloroethene-d2	2.12	63	68823	3.20	ug/L	0.00
Spiked Amount	5.000	Range	60 - 125	Recovery	=	64.00%
20) 2-Butanone-d5	3.95	46	166873	59.85	ug/L	0.00
Spiked Amount	50.000	Range	40 - 130	Recovery	=	119.70%
24) Chloroform-d	4.40	84	94177	4.88	ug/L	0.00
Spiked Amount	5.000	Range	70 - 125	Recovery	=	97.60%
26) 1,2-Dichloroethane-d4	5.08	65	58523	5.04	ug/L	0.00
Spiked Amount	5.000	Range	70 - 130	Recovery	=	100.80%
32) Benzene-d6	5.09	84	192362	4.60	ug/L	0.00
Spiked Amount	5.000	Range	70 - 125	Recovery	=	92.00%
36) 1,2-Dichloropropane-d6	6.12	67	62930	4.89	ug/L	0.00
Spiked Amount	5.000	Range	60 - 140	Recovery	=	97.80%
41) Toluene-d8	7.36	98	163118	4.31	ug/L	0.00
Spiked Amount	5.000	Range	70 - 130	Recovery	=	86.20%
43) trans-1,3-Dichloropropene-	7.67	79	17205	3.83	ug/L	0.00
Spiked Amount	5.000	Range	55 - 130	Recovery	=	76.60%
46) 2-Hexanone-d5	8.14	63	121802	57.69	ug/L	0.00
Spiked Amount	50.000	Range	45 - 130	Recovery	=	115.38%
57) 1,1,2,2-Tetrachloroethane-	10.26	84	46456	5.19	ug/L	0.00
Spiked Amount	5.000	Range	65 - 120	Recovery	=	103.80%
64) 1,2-Dichlorobenzene-d4	11.67	152	56879	4.97	ug/L	0.00
Spiked Amount	5.000	Range	80 - 120	Recovery	=	99.40%

Target Compounds

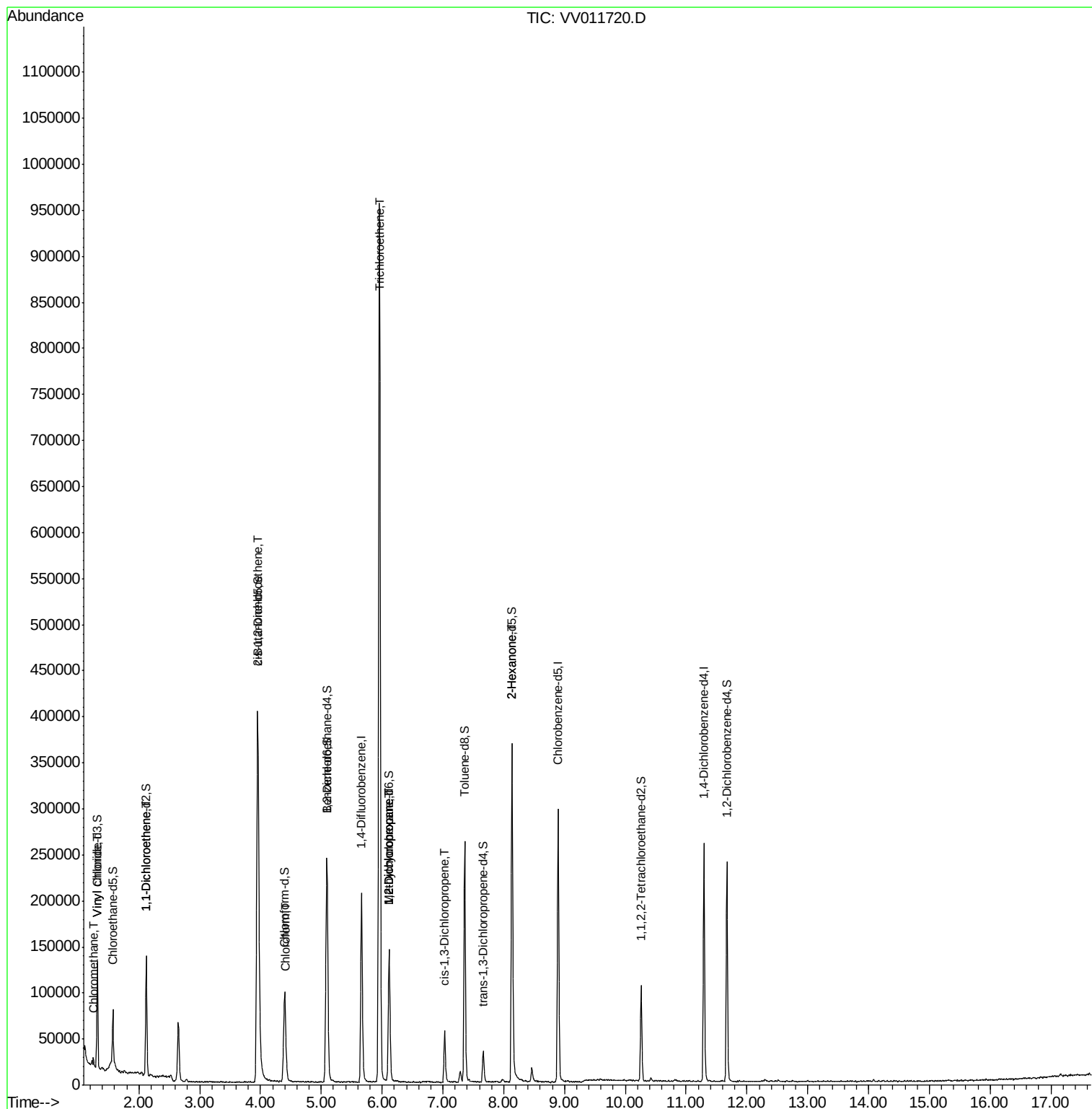
						Qvalue
3) Chloromethane	1.25	50	6032	0.401	ug/L	88
5) Vinyl chloride	1.32	62	29929	2.030	ug/L	96
12) 1,1-Dichloroethene	2.12	96	1379	0.140	ug/L #	1
22) cis-1,2-Dichloroethene	3.96	96	167403	13.129	ug/L	100
25) Chloroform	4.42	83	6331	0.250	ug/L	93
34) Trichloroethene	5.96	95	318190	24.150	ug/L	100
35) Methylcyclohexane	6.12	83	15109	0.710	ug/L #	16
37) 1,2-Dichloropropane	6.12	63	7769	0.616	ug/L #	87
39) cis-1,3-Dichloropropene	7.03	75	1641	0.099	ug/L #	77
48) 2-Hexanone	8.14	43	16355	2.940	ug/L #	69

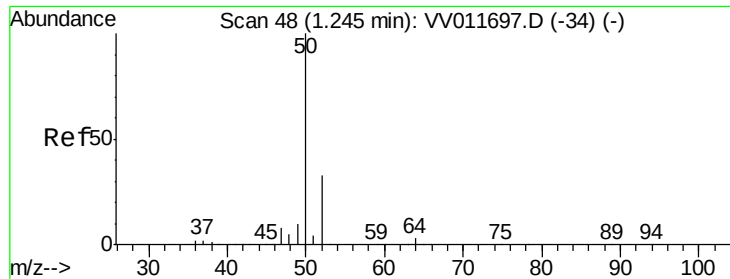
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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#3

Chloromethane

Concen: 0.401 ug/L

RT: 1.25 min Scan# 50

Delta R.T. 0.01 min

Lab File: VV011720.D

Acq: 22 Jun 2019 07:10

Instrument :

MSVOA_V

ClientSampleId :

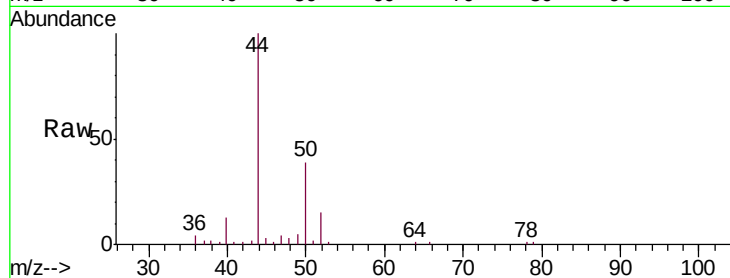
BFCW3

Tgt Ion: 50 Resp: 6032

Ion Ratio Lower Upper

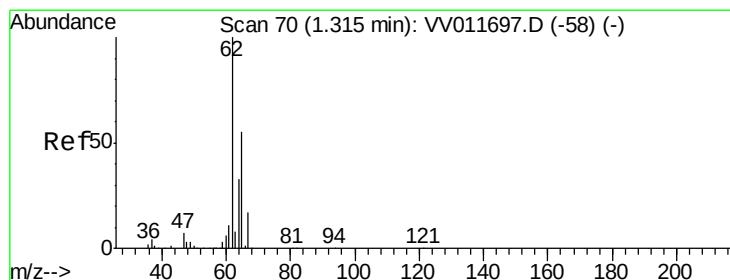
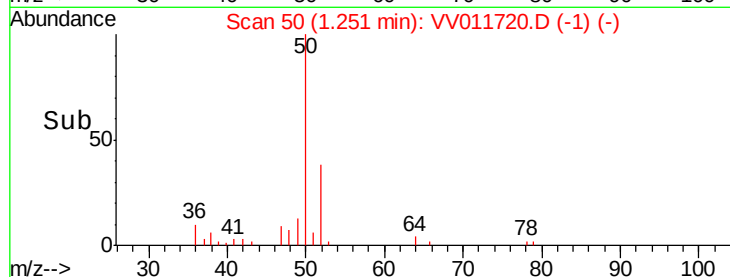
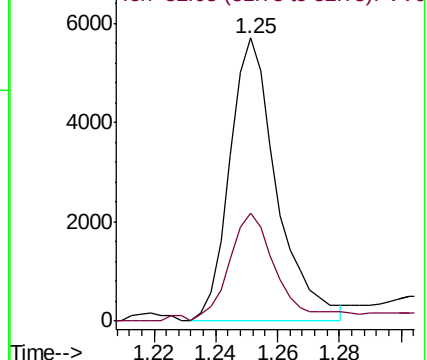
50 100

52 38.1 22.0 40.8



Abundance Ion 50.05 (49.75 to 50.75): VV0

Ion 52.05 (51.75 to 52.75): VV0



#5

Vinyl chloride

Concen: 2.030 ug/L

RT: 1.32 min Scan# 71

Delta R.T. 0.00 min

Lab File: VV011720.D

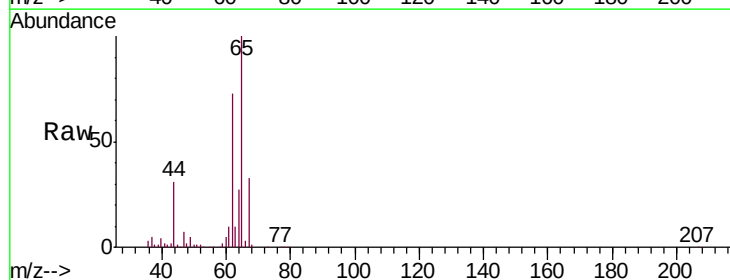
Acq: 22 Jun 2019 07:10

Tgt Ion: 62 Resp: 29929

Ion Ratio Lower Upper

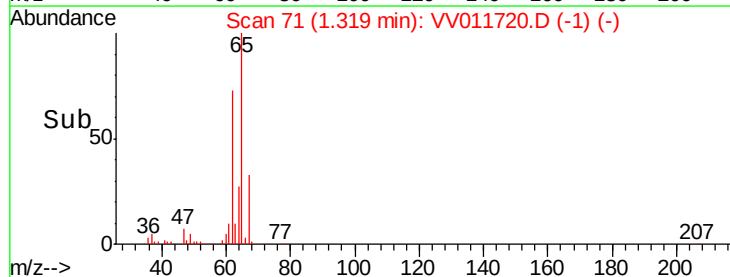
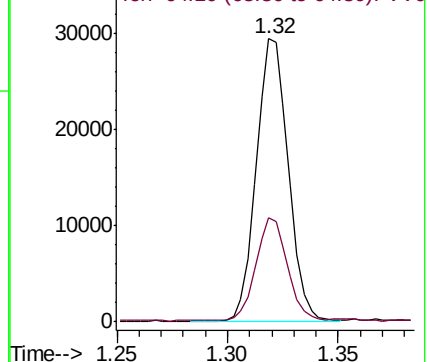
62 100

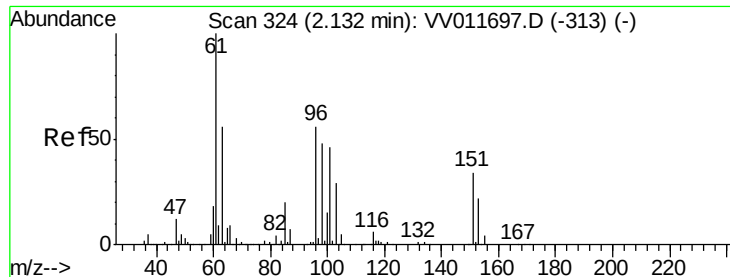
64 36.6 24.1 44.7



Abundance Ion 62.00 (61.70 to 62.70): VV0

Ion 64.10 (63.80 to 64.80): VV0

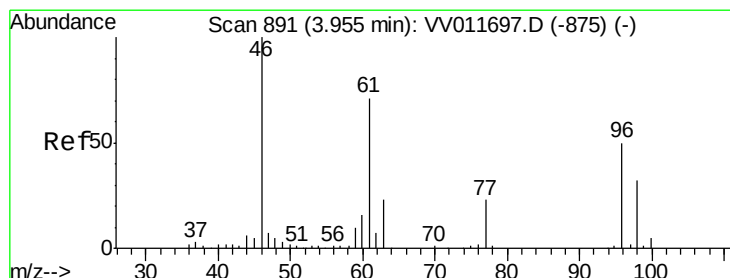
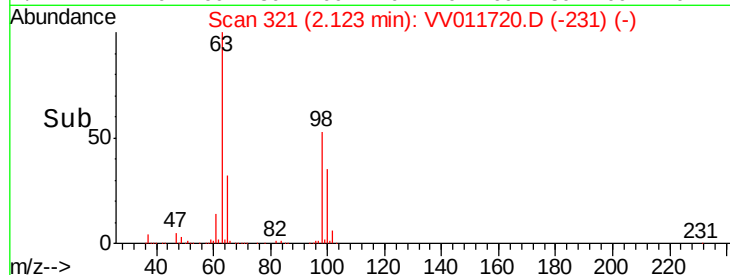
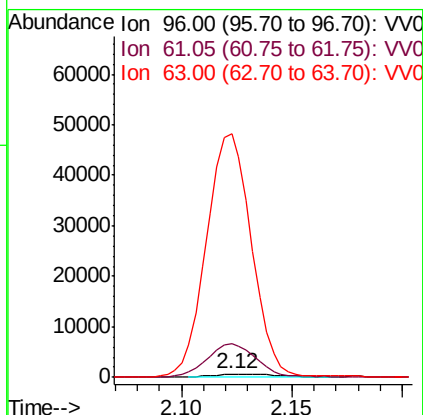
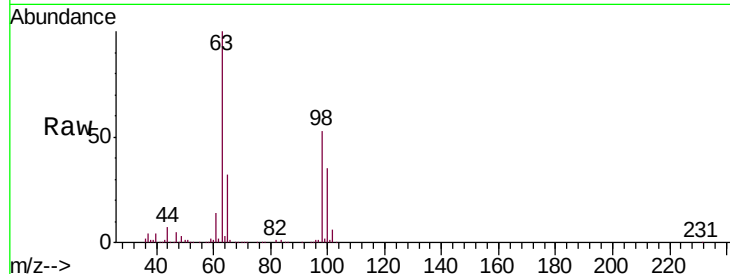




#12
 1,1-Dichloroethene
 Concen: 0.140 ug/L
 RT: 2.12 min Scan# 321
 Delta R.T. -0.01 min
 Lab File: VV011720.D
 Acq: 22 Jun 2019 07:10

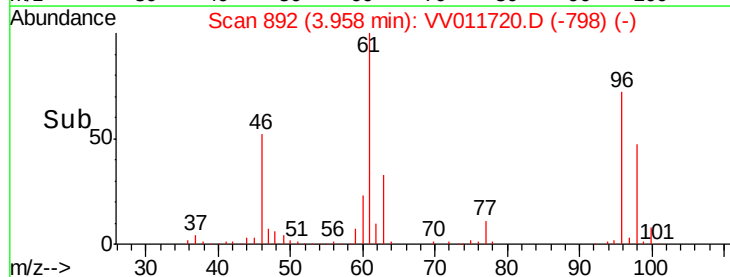
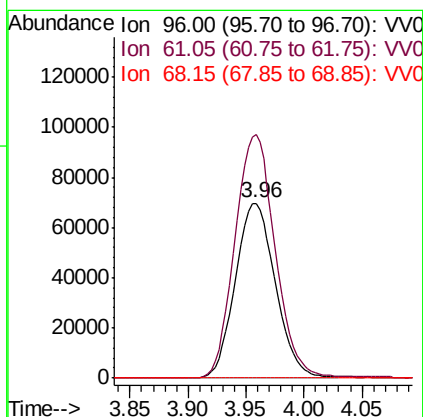
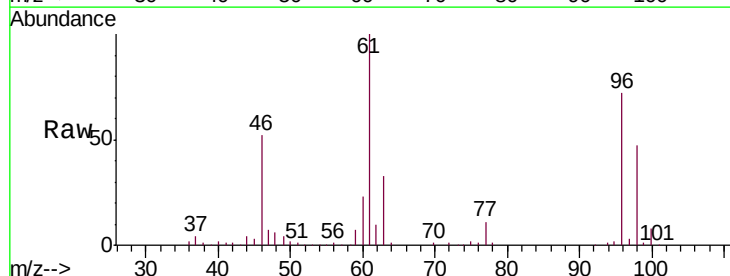
Instrument :
 MSVOA_V
 ClientSampleId :
 BFCW3

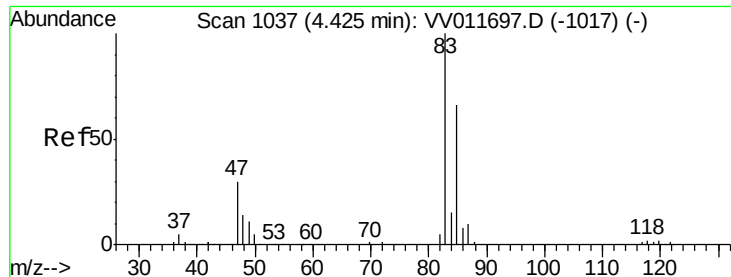
Tgt Ion: 96 Resp: 1379
 Ion Ratio Lower Upper
 96 100
 61 1062.1 131.5 244.1#
 63 7712.0 91.8 170.4#



#22
 cis-1,2-Dichloroethene
 Concen: 13.129 ug/L
 RT: 3.96 min Scan# 892
 Delta R.T. 0.00 min
 Lab File: VV011720.D
 Acq: 22 Jun 2019 07:10

Tgt Ion: 96 Resp: 167403
 Ion Ratio Lower Upper
 96 100
 61 139.5 97.9 181.7
 68 0.0 0.0 0.0





#25

Chloroform

Concen: 0.250 ug/L

RT: 4.42 min Scan# 1036

Delta R.T. -0.00 min

Lab File: VV011720.D

Acq: 22 Jun 2019 07:10

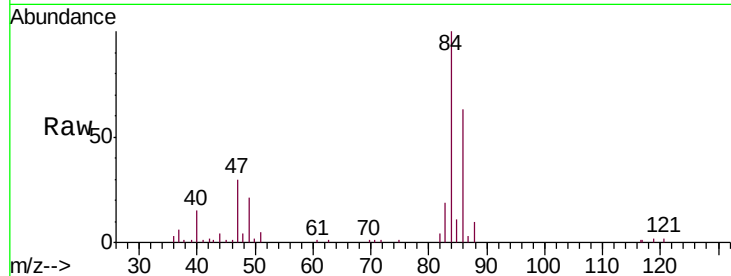
Instrument :
MSVOA_V
ClientSampled :
BFCW3

Tgt Ion: 83 Resp: 6331

Ion Ratio Lower Upper

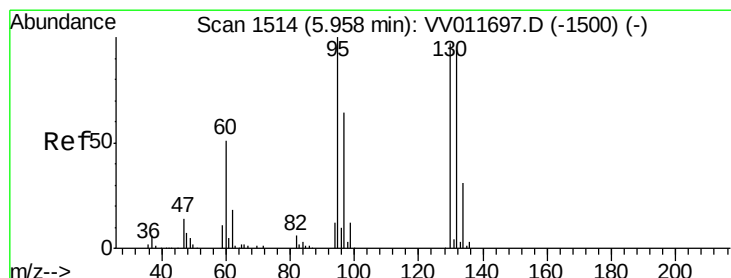
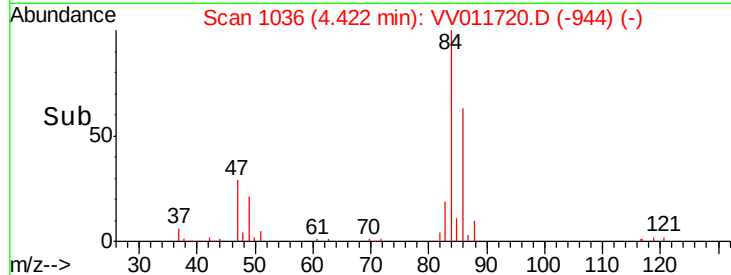
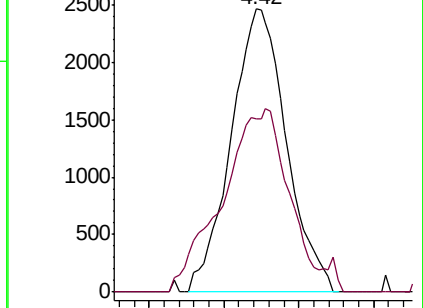
83 100

85 61.1 47.0 87.2



Abundance Ion 83.05 (82.75 to 83.75): VV011697.D (-1017) (-)

Ion 85.00 (84.70 to 85.70): VV011697.D (-1017) (-)



#34

Trichloroethene

Concen: 24.150 ug/L

RT: 5.96 min Scan# 1513

Delta R.T. -0.00 min

Lab File: VV011720.D

Acq: 22 Jun 2019 07:10

Tgt Ion: 95 Resp: 318190

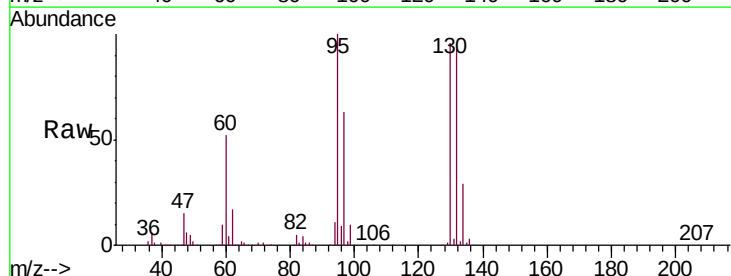
Ion Ratio Lower Upper

95 100

97 63.4 44.4 82.5

132 93.1 65.0 120.6

130 96.4 67.1 124.7

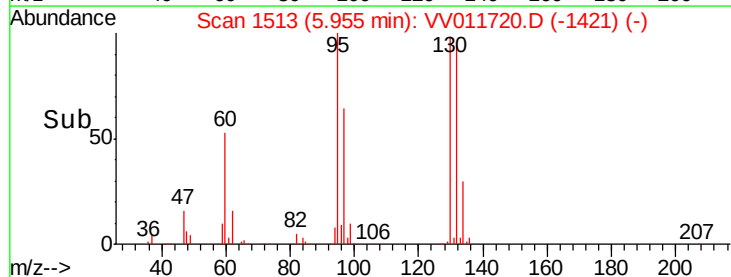
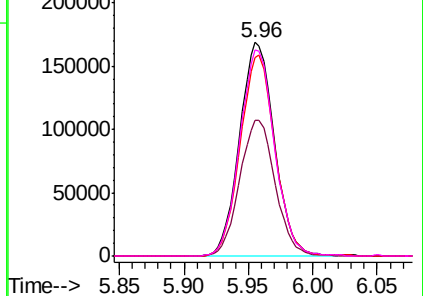


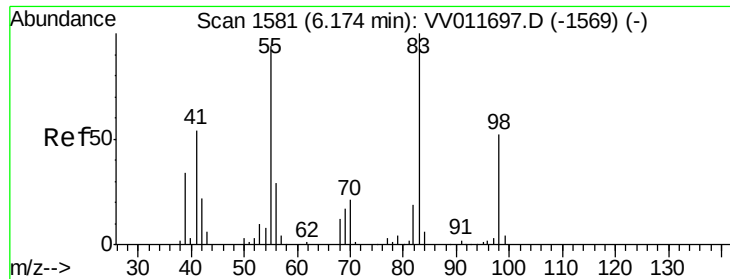
Abundance Ion 95.00 (94.70 to 95.70): VV011697.D (-1500) (-)

Ion 96.95 (96.65 to 97.65): VV011697.D (-1500) (-)

Ion 131.95 (131.65 to 132.65): VV011697.D (-1500) (-)

Ion 129.95 (129.65 to 130.65): VV011697.D (-1500) (-)

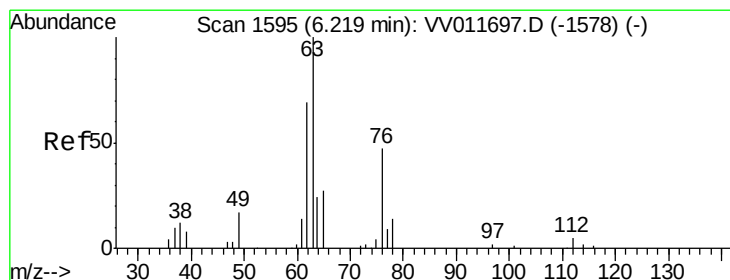
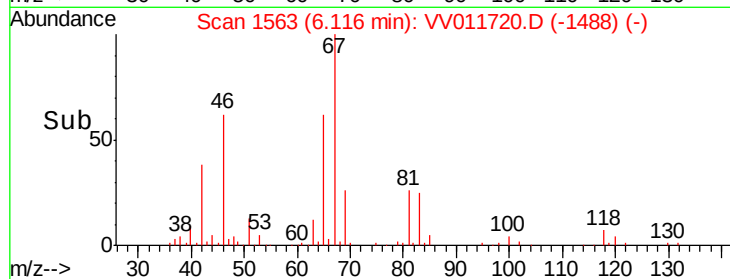
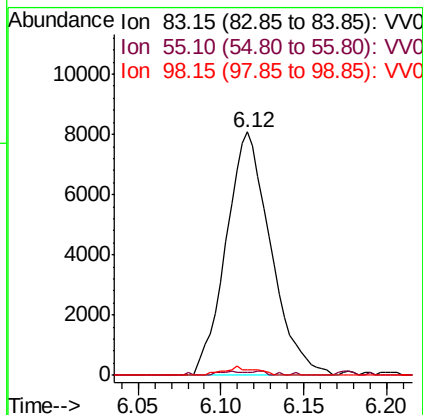
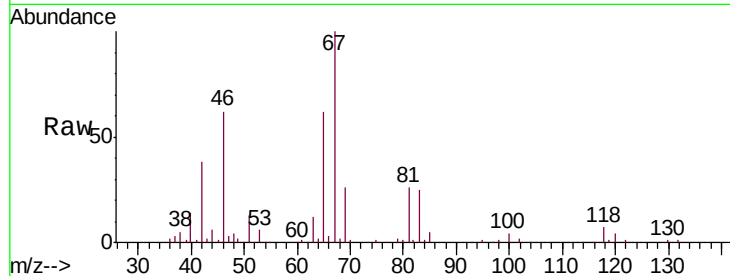




#35
Methylcyclohexane
Concen: 0.710 ug/L
RT: 6.12 min Scan# 1563
Delta R.T. -0.06 min
Lab File: VV011720.D
Acq: 22 Jun 2019 07:10

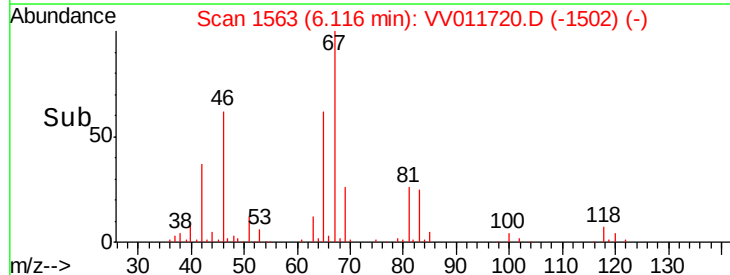
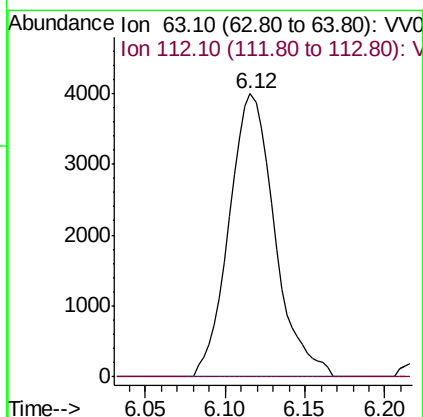
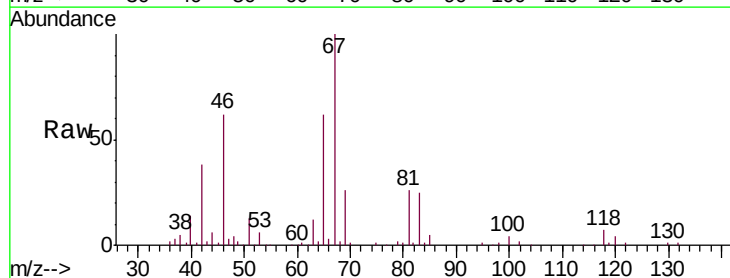
Instrument :
MSVOA_V
ClientSampled :
BFCW3

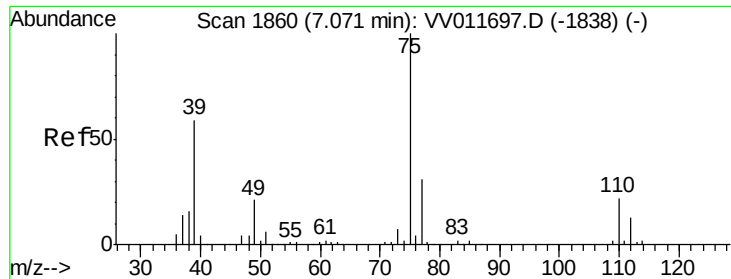
Tgt Ion: 83 Resp: 15109
Ion Ratio Lower Upper
83 100
55 0.9 69.4 104.2#
98 2.5 40.2 60.4#



#37
1,2-Dichloropropane
Concen: 0.616 ug/L
RT: 6.12 min Scan# 1563
Delta R.T. -0.10 min
Lab File: VV011720.D
Acq: 22 Jun 2019 07:10

Tgt Ion: 63 Resp: 7769
Ion Ratio Lower Upper
63 100
112 0.0 3.4 5.2#

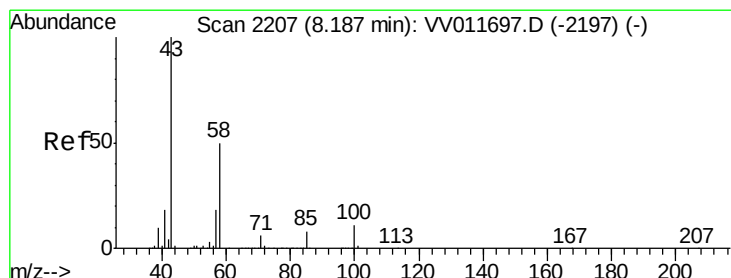
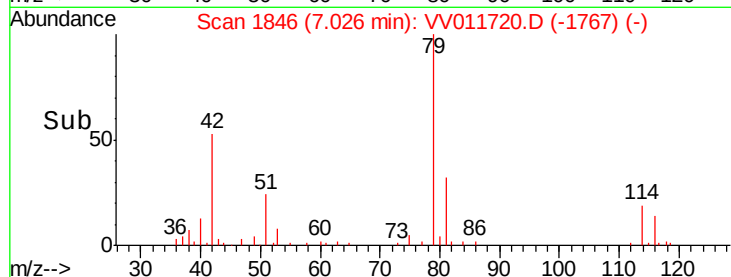
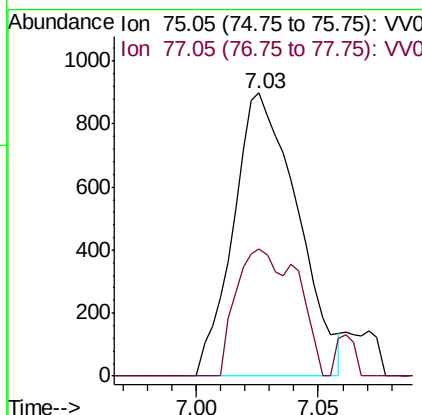
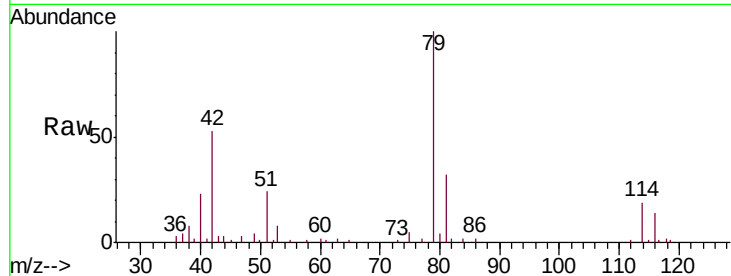




#39
 cis-1,3-Dichloropropene
 Concen: 0.099 ug/L
 RT: 7.03 min Scan# 1846
 Delta R.T. -0.04 min
 Lab File: VV011720.D
 Acq: 22 Jun 2019 07:10

Instrument :
 MSVOA_V
 ClientSampled :
 BFCW3

Tgt Ion: 75 Resp: 1641
 Ion Ratio Lower Upper
 75 100
 77 44.9 22.4 41.6#



#48
 2-Hexanone
 Concen: 2.940 ug/L
 RT: 8.14 min Scan# 2191
 Delta R.T. -0.05 min
 Lab File: VV011720.D
 Acq: 22 Jun 2019 07:10

Tgt Ion: 43 Resp: 16355
 Ion Ratio Lower Upper
 43 100
 58 26.1 40.1 60.1#
 57 28.1 14.4 21.6#
 100 0.3 8.6 12.8#

