

Data File : VV009704.D
Acq On : 15 Mar 2019 22:47
Operator : SY/MD
Sample : K1939-21
Misc : 5.12g/5.0mL/100uL/5.0mL/MSVOA_V/MEOH
ALS Vial : 21 Sample Multiplier: 1

Instrument :
MSVOA_V
ClientSampleId :
BF0Y4

Quant Time: Mar 16 02:38:59 2019
Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_V\METHOD\SOMVLM031219WMA.M
Quant Title : VOC Analysis
QLast Update : Sat Mar 16 02:32:06 2019
Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Difluorobenzene	5.66	114	165413	50.00	ug/L	0.00
28) Chlorobenzene-d5	8.90	117	166592	50.00	ug/L	0.00
60) 1,4-Dichlorobenzene-d4	11.30	152	76373	50.00	ug/L	0.00

System Monitoring Compounds

4) Vinyl Chloride-d3	1.32	65	35220	35.98	ug/L	0.00
Spiked Amount	50.000	Range	60 - 135	Recovery	=	71.96%
7) Chloroethane-d5	1.55	69	23291	22.86	ug/L	-0.03
Spiked Amount	50.000	Range	70 - 130	Recovery	=	45.72%#
11) 1,1-Dichloroethene-d2	2.10	63	82803	32.06	ug/L	-0.03
Spiked Amount	50.000	Range	60 - 125	Recovery	=	64.12%
21) 2-Butanone-d5	3.95	46	68497	94.68	ug/L	0.02
Spiked Amount	100.000	Range	40 - 130	Recovery	=	94.68%
24) Chloroform-d	4.40	84	91564	42.82	ug/L	0.00
Spiked Amount	50.000	Range	70 - 125	Recovery	=	85.64%
26) 1,2-Dichloroethane-d4	5.08	65	65486	46.28	ug/L	0.00
Spiked Amount	50.000	Range	70 - 125	Recovery	=	92.56%
32) Benzene-d6	5.09	84	190468	43.97	ug/L	0.00
Spiked Amount	50.000	Range	70 - 125	Recovery	=	87.94%
36) 1,2-Dichloropropane-d6	6.12	67	57668	44.52	ug/L	0.00
Spiked Amount	50.000	Range	70 - 120	Recovery	=	89.04%
41) Toluene-d8	7.36	98	180783	42.84	ug/L	0.00
Spiked Amount	50.000	Range	80 - 120	Recovery	=	85.68%
43) trans-1,3-Dichloropropene-	7.67	79	26732	39.96	ug/L	0.00
Spiked Amount	50.000	Range	60 - 125	Recovery	=	79.92%
47) 2-Hexanone-d5	8.14	63	57811	102.04	ug/L	0.01
Spiked Amount	100.000	Range	45 - 130	Recovery	=	102.04%
57) 1,1,2,2-Tetrachloroethane-	10.27	84	94870	45.60	ug/L	0.00
Spiked Amount	50.000	Range	65 - 120	Recovery	=	91.20%
64) 1,2-Dichlorobenzene-d4	11.68	152	69340	43.04	ug/L	0.00
Spiked Amount	50.000	Range	80 - 120	Recovery	=	86.08%

Target Compounds

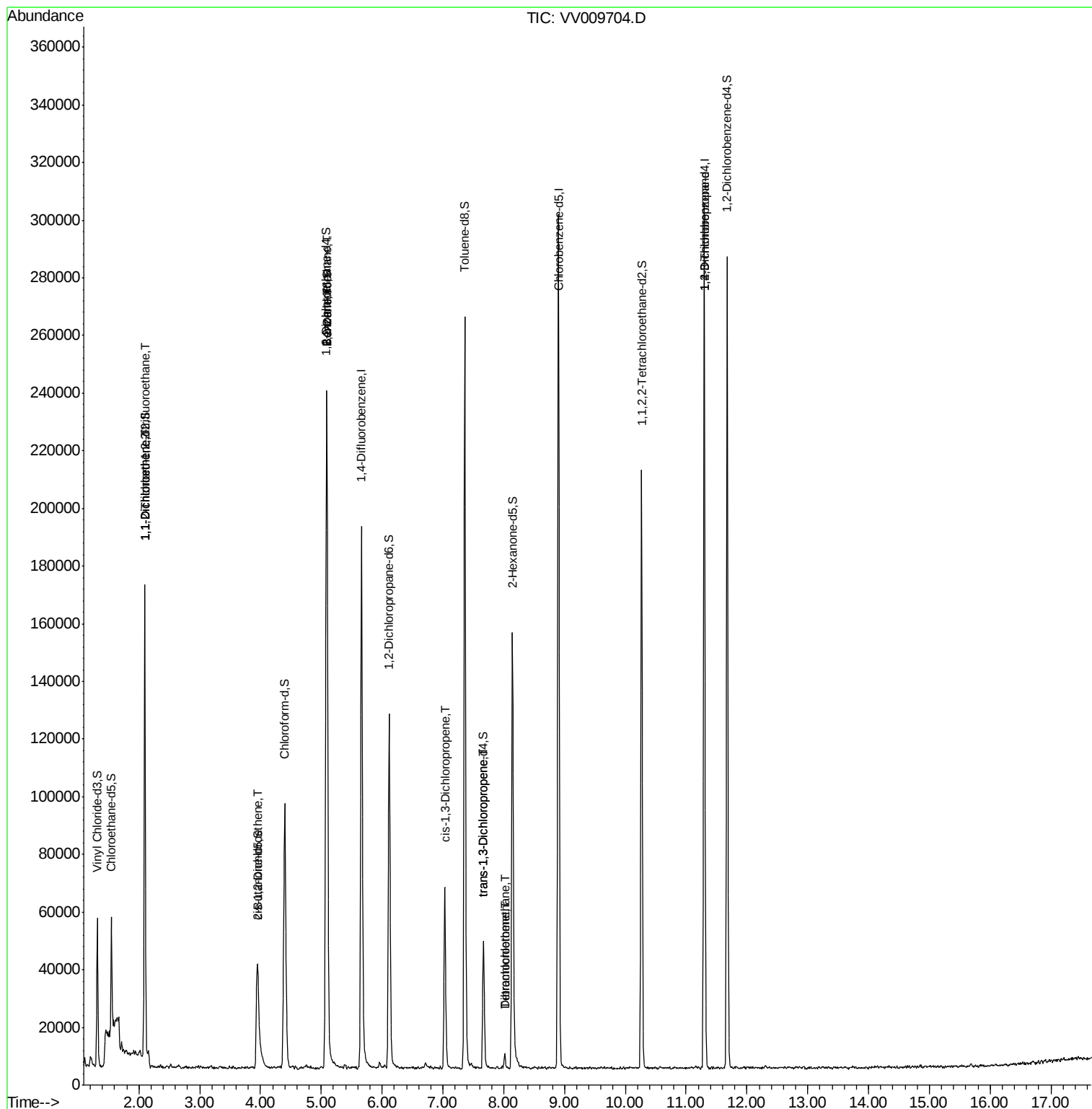
					Qvalue
10) 1,1,2-Trichloro-1,2,2-trif	2.10	101	794	0.634 ug/L #	19
12) 1,1-Dichloroethene	2.10	96	701	0.654 ug/L #	1
20) cis-1,2-Dichloroethene	3.95	96	2155	1.896 ug/L	89
27) 1,2-Dichloroethane	5.09	62	1133	0.714 ug/L #	78
33) Benzene	5.09	78	1715	0.410 ug/L	100
39) cis-1,3-Dichloropropene	7.03	75	2110	1.242 ug/L #	59
44) trans-1,3-Dichloropropene	7.67	75	1462	0.917 ug/L #	78
46) Tetrachloroethene	8.02	164	1128	1.286 ug/L	76
49) Dibromochloromethane	8.02	129	1099	0.898 ug/L #	11
59) 1,2,3-Trichloropropane	11.30	75	9951	6.887 ug/L #	87

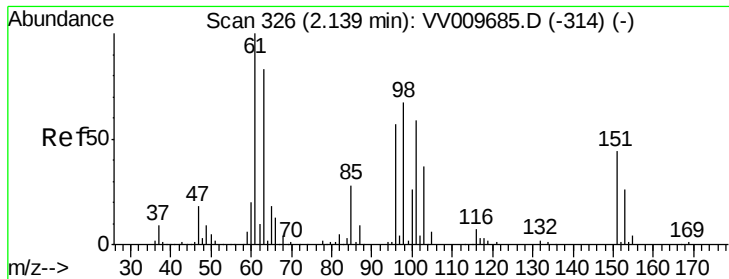
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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#10

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

Concen: 0.634 ug/L

RT: 2.10 min Scan# 313

Delta R.T. -0.04 min

Lab File: VV009704.D

Acq: 15 Mar 2019 22:47

Instrument :

MSVOA_V

ClientSampleId :

BF0Y4

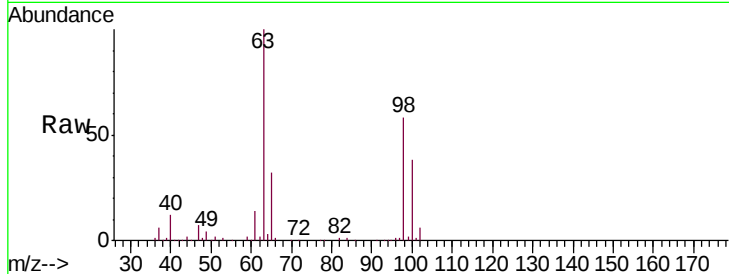
Tgt Ion:101 Resp: 794

Ion Ratio Lower Upper

101 100

85 0.0 37.8 56.6#

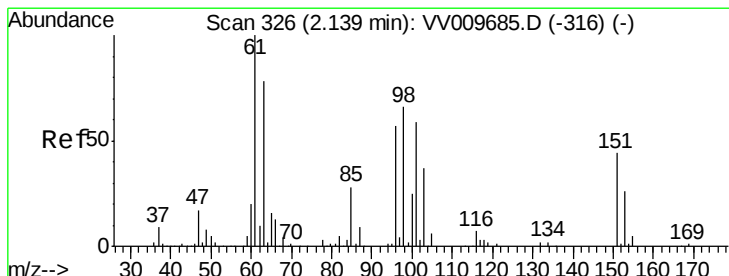
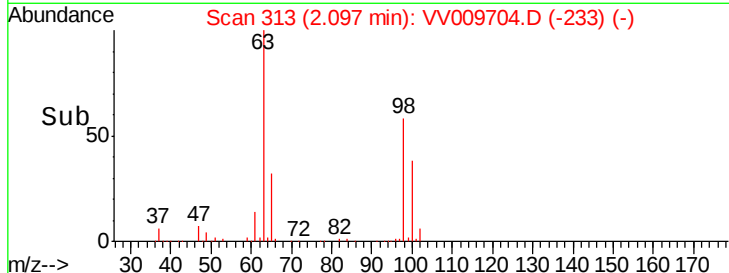
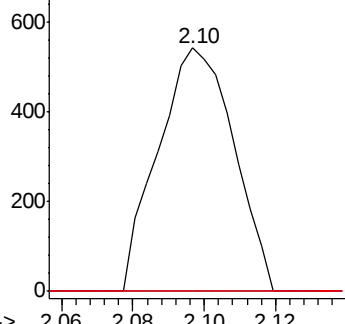
151 0.0 59.6 89.4#



Abundance Ion 101.00 (100.70 to 101.70): V

Ion 85.00 (84.70 to 85.70): VV0

Ion 151.00 (150.70 to 151.70): V



#12

1,1-Dichloroethene

Concen: 0.654 ug/L

RT: 2.10 min Scan# 313

Delta R.T. -0.04 min

Lab File: VV009704.D

Acq: 15 Mar 2019 22:47

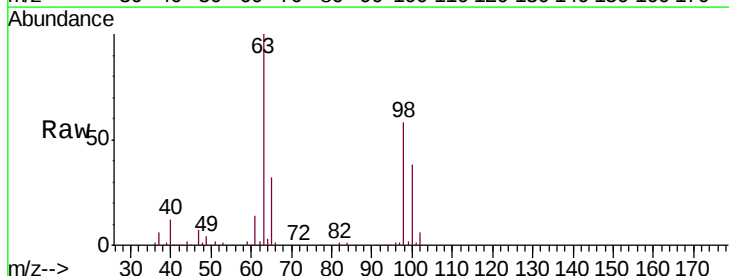
Tgt Ion: 96 Resp: 701

Ion Ratio Lower Upper

96 100

61 825.5 122.1 226.7#

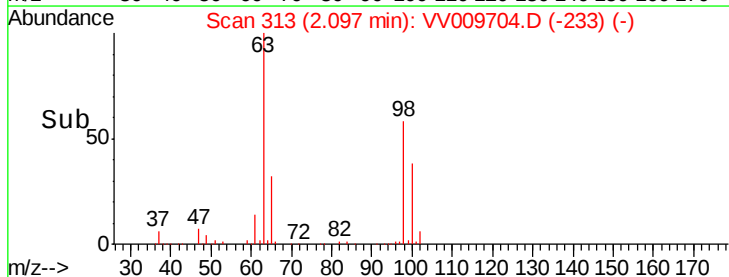
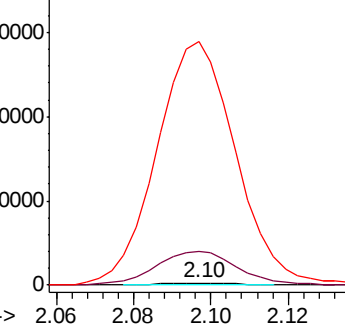
63 5929.0 107.6 199.8#

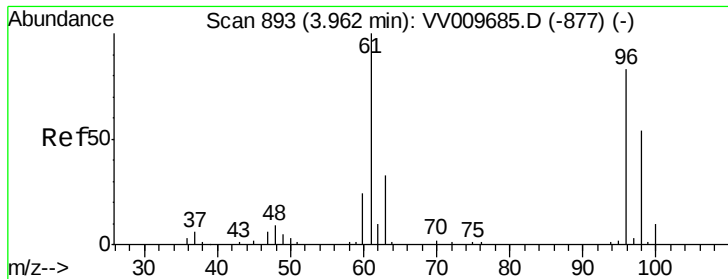


Abundance Ion 96.00 (95.70 to 96.70): VV0

Ion 61.00 (60.70 to 61.70): VV0

Ion 63.00 (62.70 to 63.70): VV0



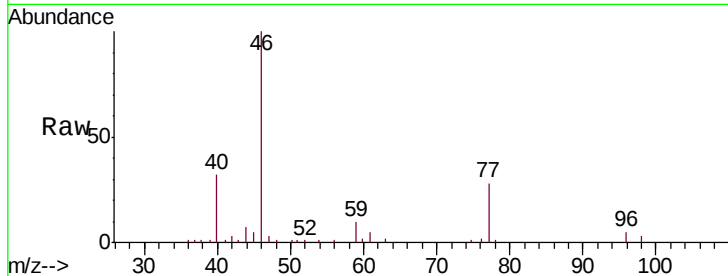


#20

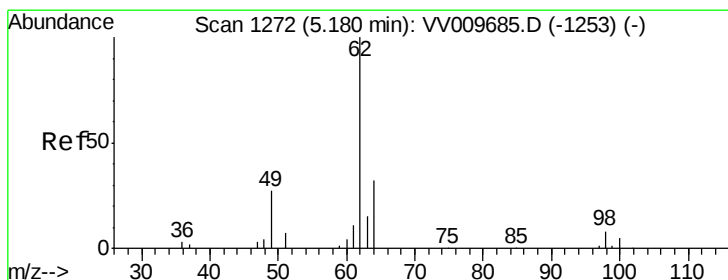
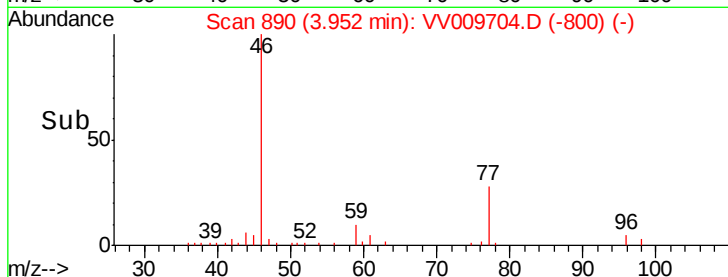
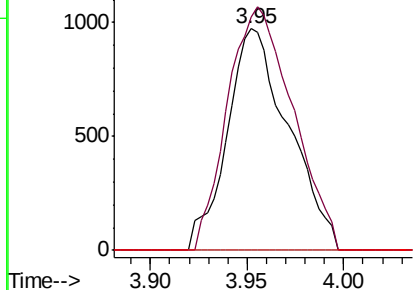
cis-1,2-Dichloroethene
 Concen: 1.896 ug/L
 RT: 3.95 min Scan# 890
 Delta R.T. -0.01 min
 Lab File: VV009704.D
 Acq: 15 Mar 2019 22:47

Instrument :
 MSVOA_V
 ClientSampled :
 BF0Y4

Tgt Ion: 96 Resp: 2155
 Ion Ratio Lower Upper
 96 100
 61 105.1 82.4 153.0
 68 0.0 0.0 0.0



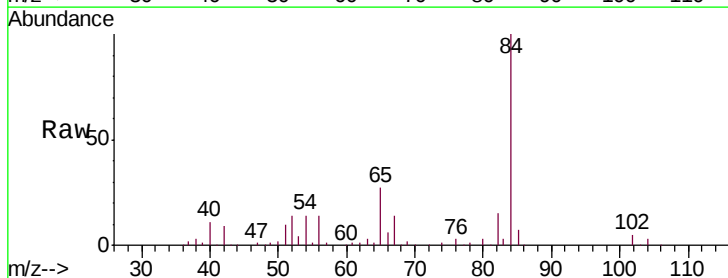
Abundance Ion 96.00 (95.70 to 96.70): VV0
 Ion 61.00 (60.70 to 61.70): VV0
 Ion 68.00 (67.70 to 68.70): VV0



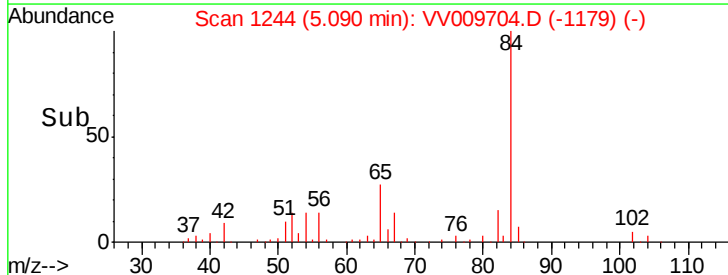
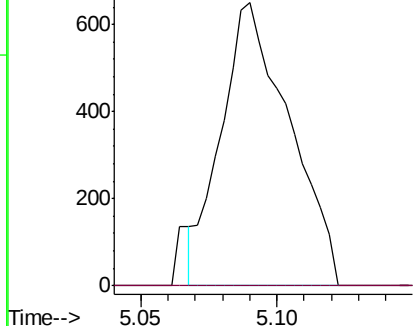
#27

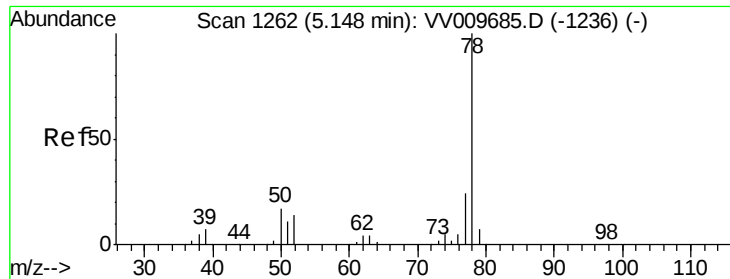
1,2-Dichloroethane
 Concen: 0.714 ug/L
 RT: 5.09 min Scan# 1244
 Delta R.T. -0.09 min
 Lab File: VV009704.D
 Acq: 15 Mar 2019 22:47

Tgt Ion: 62 Resp: 1133
 Ion Ratio Lower Upper
 62 100
 98 0.0 6.2 9.4#



Abundance Ion 62.00 (61.70 to 62.70): VV0
 Ion 98.00 (97.70 to 98.70): VV0





#33

Benzene

Concen: 0.410 ug/L

RT: 5.09 min Scan# 1245

Delta R.T. -0.05 min

Lab File: VV009704.D

Acq: 15 Mar 2019 22:47

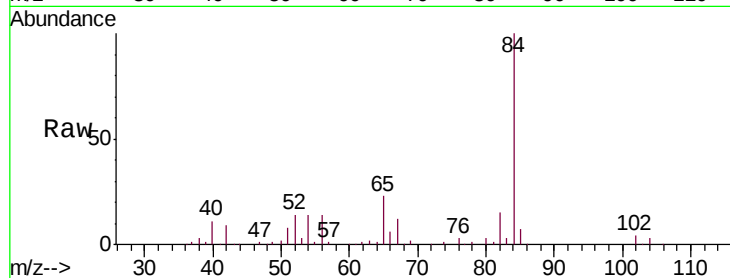
Instrument :

MSVOA_V

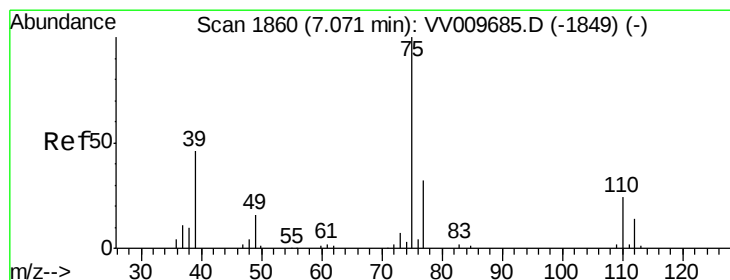
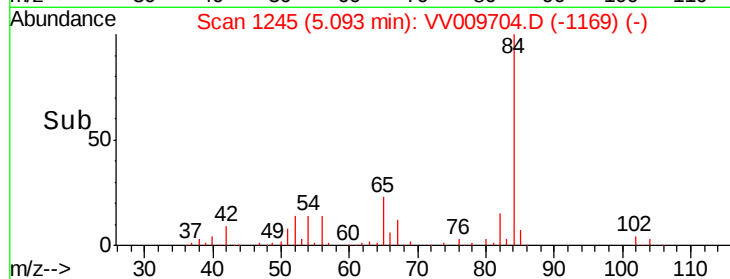
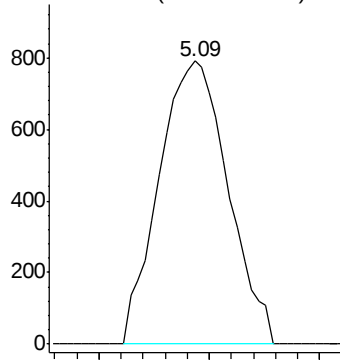
ClientSampled :

BF0Y4

Tgt Ion: 78 Resp: 1715



Abundance Ion 78.00 (77.70 to 78.70): VV0



#39

cis-1,3-Dichloropropene

Concen: 1.242 ug/L

RT: 7.03 min Scan# 1848

Delta R.T. -0.04 min

Lab File: VV009704.D

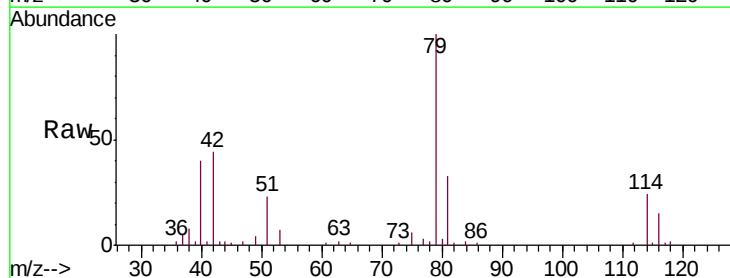
Acq: 15 Mar 2019 22:47

Tgt Ion: 75 Resp: 2110

Ion Ratio Lower Upper

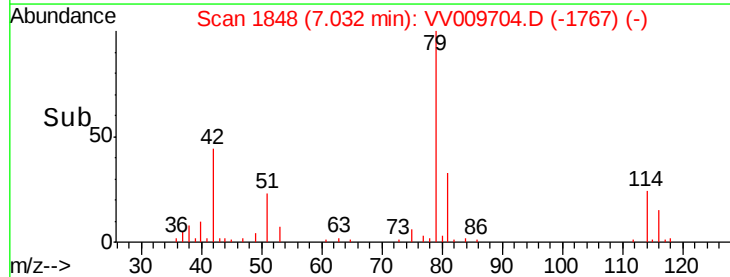
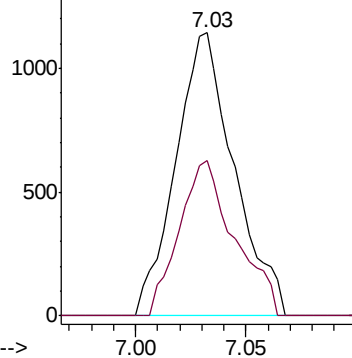
75 100

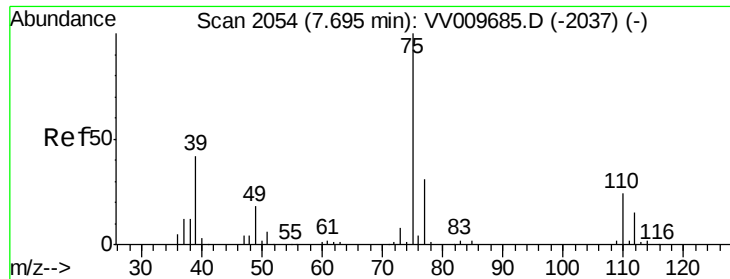
77 55.0 22.3 41.5#



Abundance Ion 75.00 (74.70 to 75.70): VV0

Ion 77.00 (76.70 to 77.70): VV0





#44

trans-1,3-Dichloropropene

Concen: 0.917 ug/L

RT: 7.67 min Scan# 2045

Delta R.T. -0.03 min

Lab File: VV009704.D

Acq: 15 Mar 2019 22:47

Instrument :

MSVOA_V

ClientSampled :

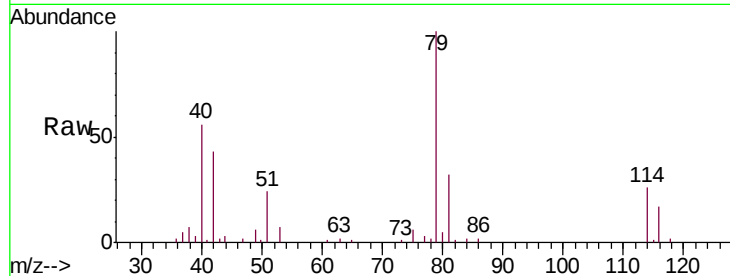
BF0Y4

Tgt Ion: 75 Resp: 1462

Ion Ratio Lower Upper

75 100

77 43.1 21.6 40.2#



Abundance Ion 75.00 (74.70 to 75.70): VV009685.D (-2037) (-)

Ion 77.00 (76.70 to 77.70): VV009685.D (-2037) (-)

7.67

800

600

400

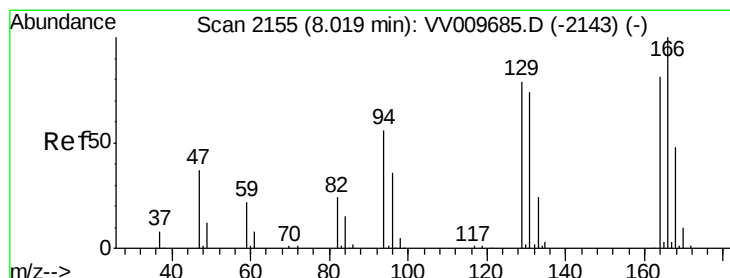
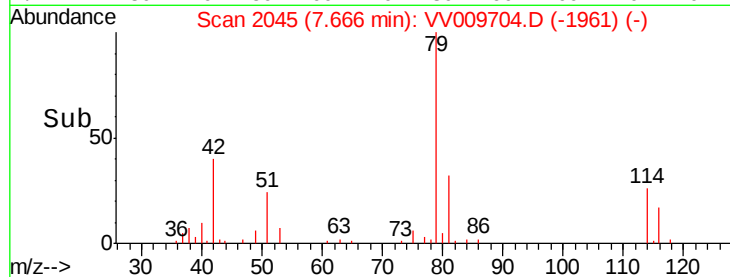
200

0

7.65

7.70

Time-->



#46

Tetrachloroethene

Concen: 1.286 ug/L

RT: 8.02 min Scan# 2155

Delta R.T. -0.00 min

Lab File: VV009704.D

Acq: 15 Mar 2019 22:47

Tgt Ion: 164 Resp: 1128

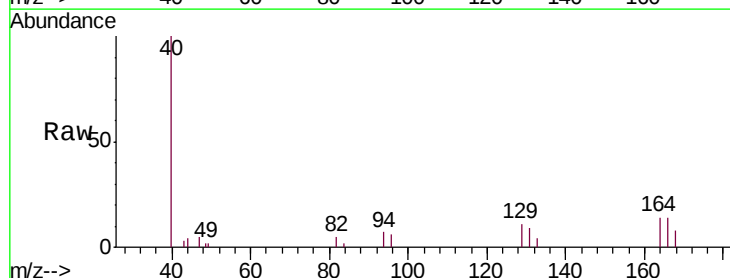
Ion Ratio Lower Upper

164 100

129 82.7 70.8 131.6

131 68.3 68.3 126.9

166 100.8 89.5 166.3



Abundance Ion 164.00 (163.70 to 164.70): VV009685.D (-2143) (-)

Ion 129.00 (128.70 to 129.70): VV009685.D (-2143) (-)

Ion 131.00 (130.70 to 131.70): VV009685.D (-2143) (-)

Ion 166.00 (165.70 to 166.70): VV009685.D (-2143) (-)

1200

1000

800

600

400

200

0

7.98

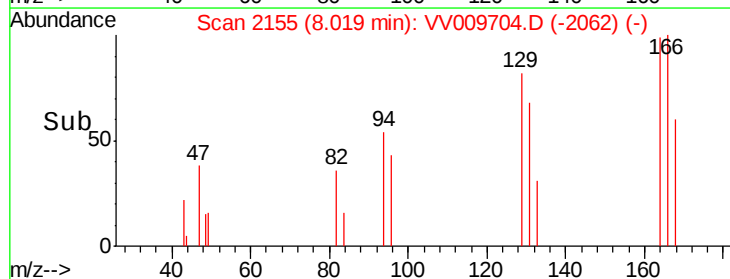
8.00

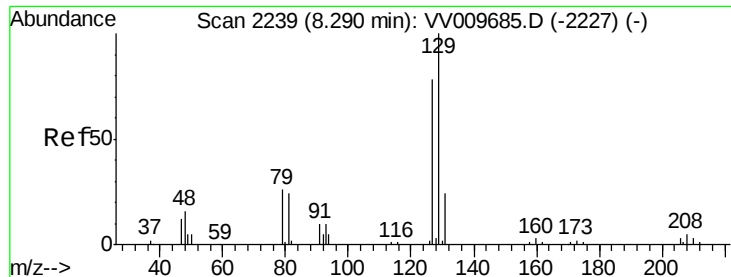
8.02

8.04

8.06

Time-->





#49

Dibromochloromethane

Concen: 0.898 ug/L

RT: 8.02 min Scan# 2154

Delta R.T. -0.27 min

Lab File: VV009704.D

Acq: 15 Mar 2019 22:47

Instrument :

MSVOA_V

ClientSampled :

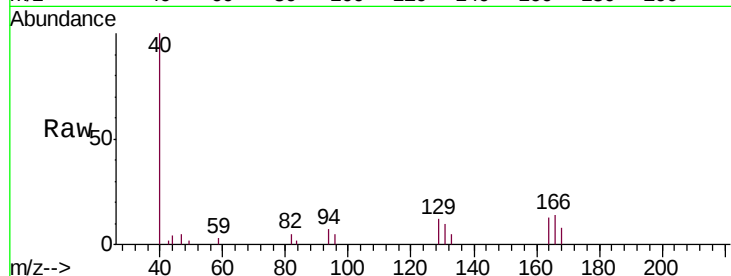
BF0Y4

Tgt Ion:129 Resp: 1099

Ion Ratio Lower Upper

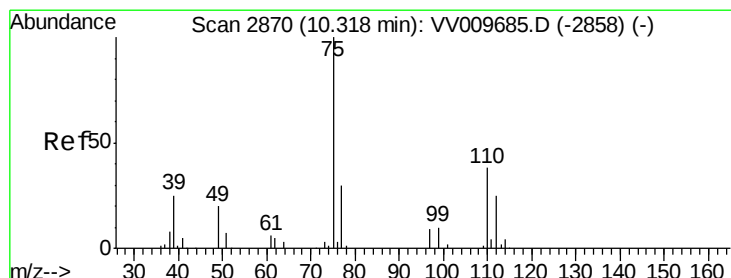
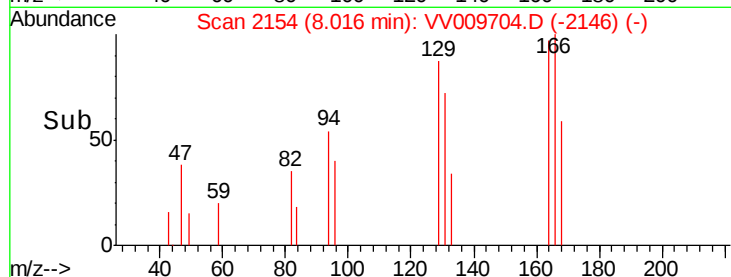
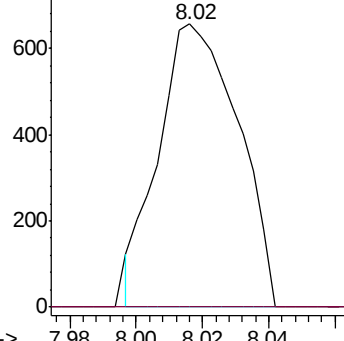
129 100

127 0.0 53.3 99.1#



Abundance Ion 129.00 (128.70 to 129.70): V

Ion 127.00 (126.70 to 127.70): V



#59

1,2,3-Trichloropropane

Concen: 6.887 ug/L

RT: 11.30 min Scan# 3175

Delta R.T. 0.98 min

Lab File: VV009704.D

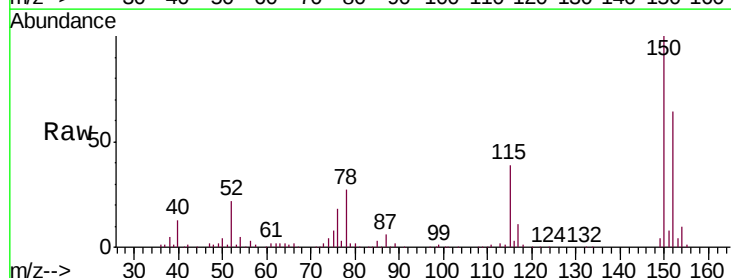
Acq: 15 Mar 2019 22:47

Tgt Ion: 75 Resp: 9951

Ion Ratio Lower Upper

75 100

77 40.9 26.6 40.0#



Abundance Ion 75.00 (74.70 to 75.70): VV0

Ion 77.00 (76.70 to 77.70): VV0

