

Data File : VV009691.D

Acq On : 15 Mar 2019 17:27

Operator : SY/MD

Sample : K1939-08

Misc : 5.65g/5.0mL/100uL/5.0mL/MSVOA_V/MEOH

ALS Vial : 8 Sample Multiplier: 1

Instrument :
MSVOA_V
ClientSampleId :
BF0T1

Quant Time: Mar 16 02:36:26 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	147451	50.00	ug/L	0.00
28) Chlorobenzene-d5	8.90	117	147585	50.00	ug/L	0.00
60) 1,4-Dichlorobenzene-d4	11.30	152	60340	50.00	ug/L	0.00

System Monitoring Compounds

4) Vinyl Chloride-d3	1.32	65	34242	39.24	ug/L	0.00
Spiked Amount	50.000	Range	60 - 135	Recovery	=	78.48%
7) Chloroethane-d5	1.55	69	22468	24.74	ug/L	-0.03
Spiked Amount	50.000	Range	70 - 130	Recovery	=	49.48%#
11) 1,1-Dichloroethene-d2	2.09	63	82169	35.69	ug/L	-0.04
Spiked Amount	50.000	Range	60 - 125	Recovery	=	71.38%
21) 2-Butanone-d5	3.95	46	67446	104.58	ug/L	0.02
Spiked Amount	100.000	Range	40 - 130	Recovery	=	104.58%
24) Chloroform-d	4.40	84	88464	46.41	ug/L	0.00
Spiked Amount	50.000	Range	70 - 125	Recovery	=	92.82%
26) 1,2-Dichloroethane-d4	5.08	65	61981	49.14	ug/L	0.00
Spiked Amount	50.000	Range	70 - 125	Recovery	=	98.28%
32) Benzene-d6	5.09	84	182629	47.59	ug/L	0.00
Spiked Amount	50.000	Range	70 - 125	Recovery	=	95.18%
36) 1,2-Dichloropropane-d6	6.12	67	56440	49.18	ug/L	0.00
Spiked Amount	50.000	Range	70 - 120	Recovery	=	98.36%
41) Toluene-d8	7.36	98	173614	46.44	ug/L	0.00
Spiked Amount	50.000	Range	80 - 120	Recovery	=	92.88%
43) trans-1,3-Dichloropropene-	7.67	79	25597	43.19	ug/L	0.00
Spiked Amount	50.000	Range	60 - 125	Recovery	=	86.38%
47) 2-Hexanone-d5	8.14	63	52675	104.95	ug/L	0.02
Spiked Amount	100.000	Range	45 - 130	Recovery	=	104.95%
57) 1,1,2,2-Tetrachloroethane-	10.27	84	87147	47.28	ug/L	0.00
Spiked Amount	50.000	Range	65 - 120	Recovery	=	94.56%
64) 1,2-Dichlorobenzene-d4	11.68	152	61563	48.36	ug/L	0.00
Spiked Amount	50.000	Range	80 - 120	Recovery	=	96.72%

Target Compounds

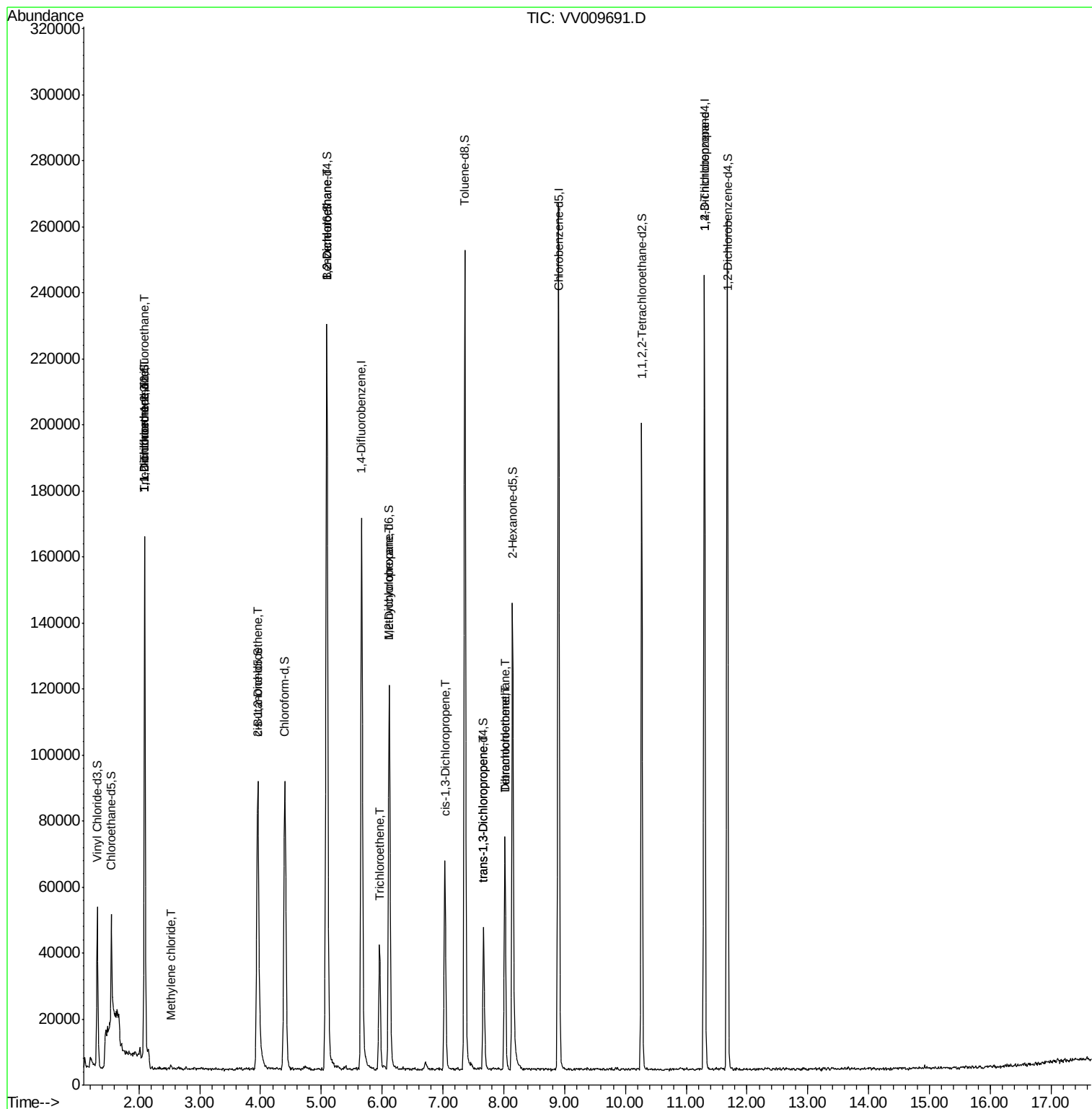
						Qvalue
9) Trichlorofluoromethane	2.10	101	740	0.368	ug/L #	26
10) 1,1,2-Trichloro-1,2,2-trif	2.10	101	740	0.663	ug/L #	19
12) 1,1-Dichloroethene	2.09	96	637	0.667	ug/L #	1
16) Methylene chloride	2.53	84	361	0.388	ug/L	89
20) cis-1,2-Dichloroethene	3.96	96	30684	30.286	ug/L	98
27) 1,2-Dichloroethane	5.10	62	1124	0.795	ug/L #	78
34) Trichloroethene	5.96	95	12472	12.616	ug/L	98
35) Methylcyclohexane	6.12	83	13359	8.353	ug/L #	20
39) cis-1,3-Dichloropropene	7.03	75	1508	1.002	ug/L #	71
44) trans-1,3-Dichloropropene	7.67	75	1556	1.101	ug/L #	82
46) Tetrachloroethene	8.02	164	14528	18.692	ug/L	96
49) Dibromochloromethane	8.02	129	13419	12.382	ug/L #	11
59) 1,2,3-Trichloropropane	11.30	75	8545	6.675	ug/L	94

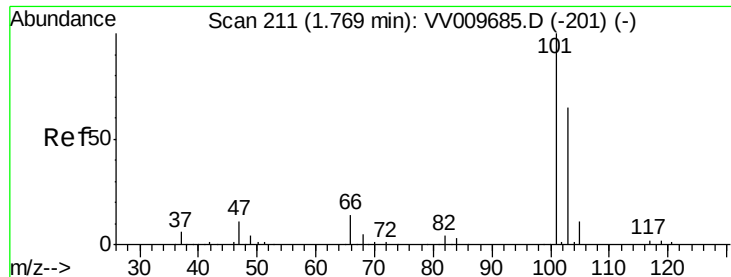
(#)= qualifier out of range (m)= manual integration (+)= signals summed

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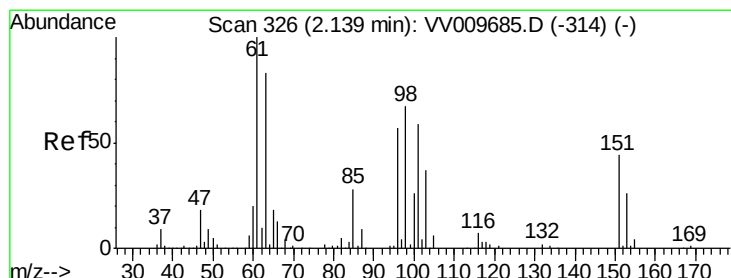
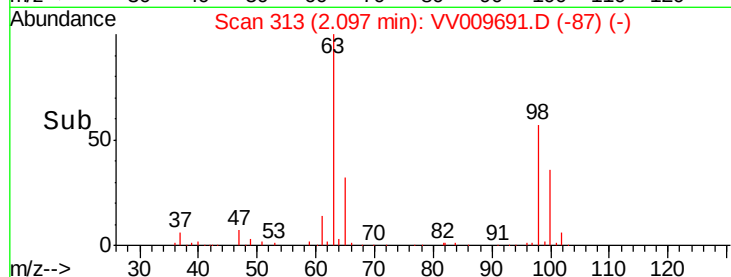
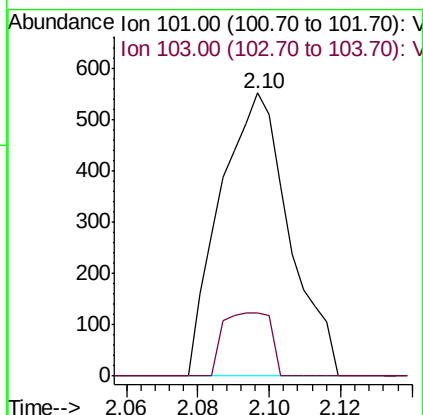
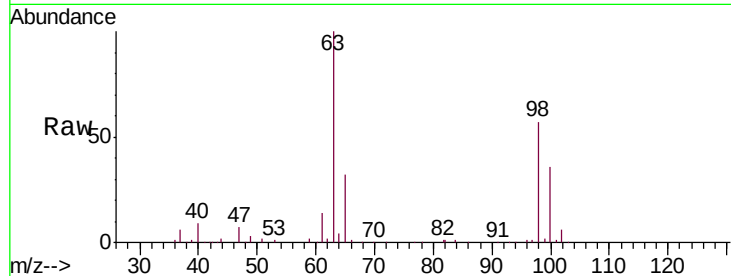


#9

Trichlorofluoromethane
 Concen: 0.368 ug/L
 RT: 2.10 min Scan# 313
 Delta R.T. 0.33 min
 Lab File: VV009691.D
 Acq: 15 Mar 2019 17:27

Instrument :
 MSVOA_V
 ClientSampleId :
 BF0T1

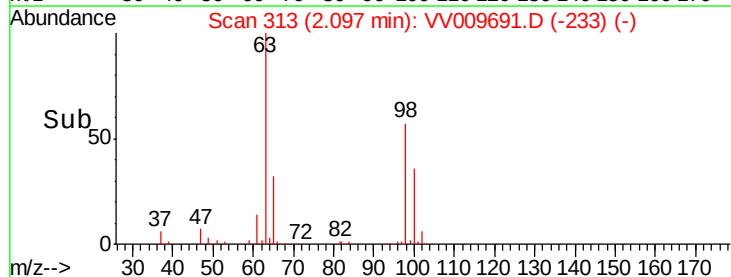
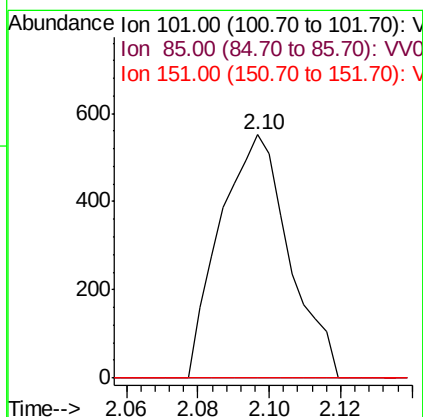
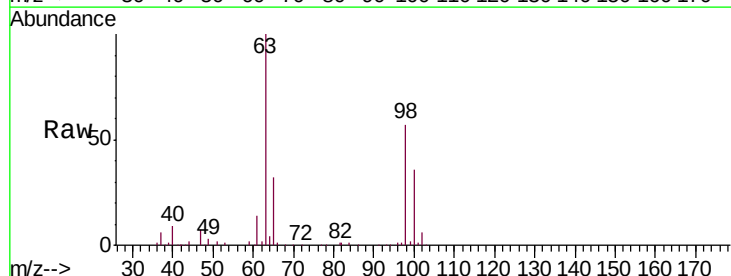
Tgt Ion:101 Resp: 740
 Ion Ratio Lower Upper
 101 100
 103 6.5 51.8 77.6#

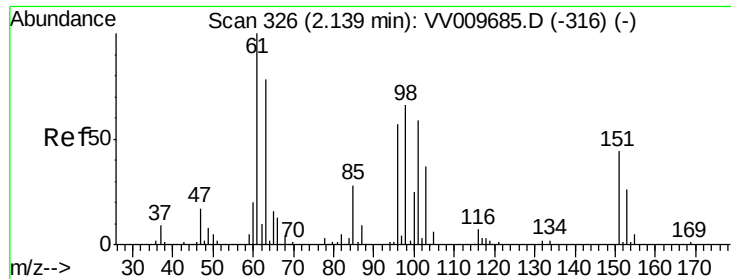


#10

1,1,2-Trichloro-1,2,2-trifluoroethane
 Concen: 0.663 ug/L
 RT: 2.10 min Scan# 313
 Delta R.T. -0.04 min
 Lab File: VV009691.D
 Acq: 15 Mar 2019 17:27

Tgt Ion:101 Resp: 740
 Ion Ratio Lower Upper
 101 100
 85 0.0 37.8 56.6#
 151 0.0 59.6 89.4#

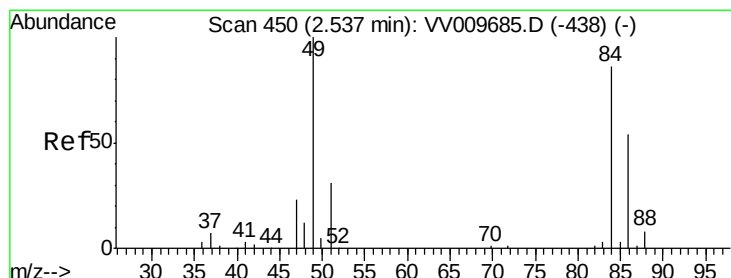
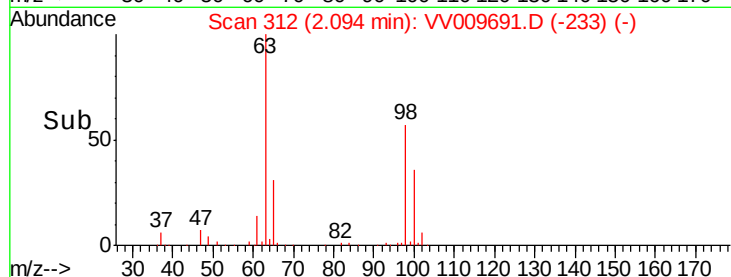
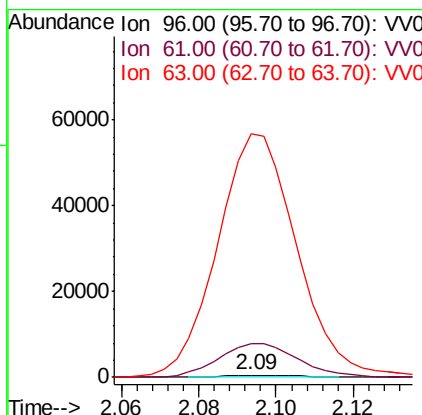
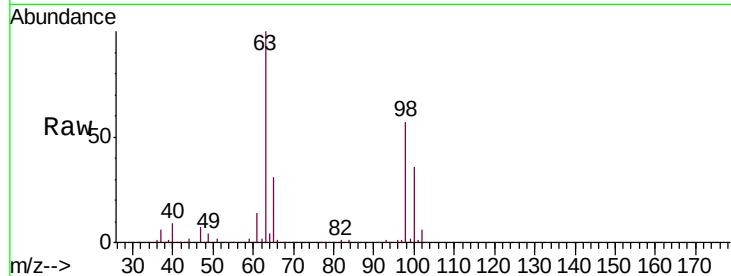




#12
 1,1-Dichloroethene
 Concen: 0.667 ug/L
 RT: 2.09 min Scan# 312
 Delta R.T. -0.05 min
 Lab File: VV009691.D
 Acq: 15 Mar 2019 17:27

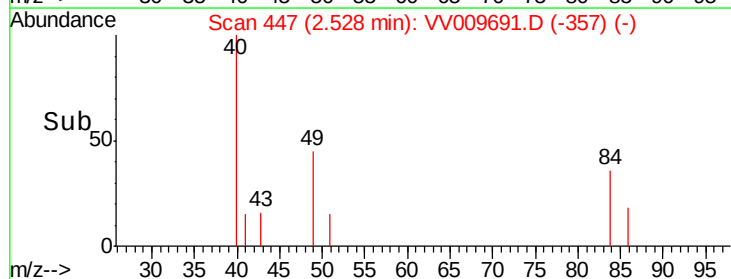
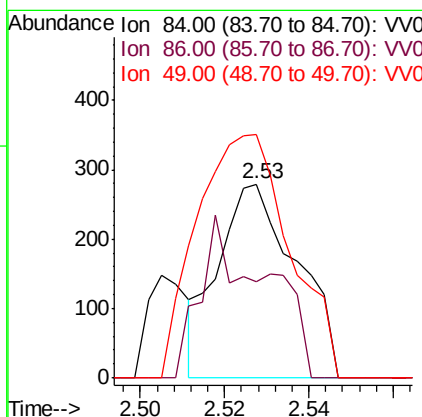
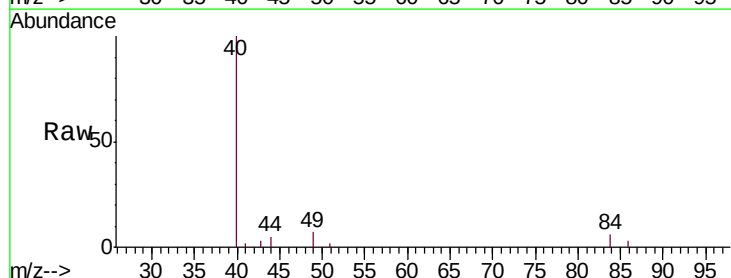
Instrument :
 MSVOA_V
 ClientSampled :
 BF0T1

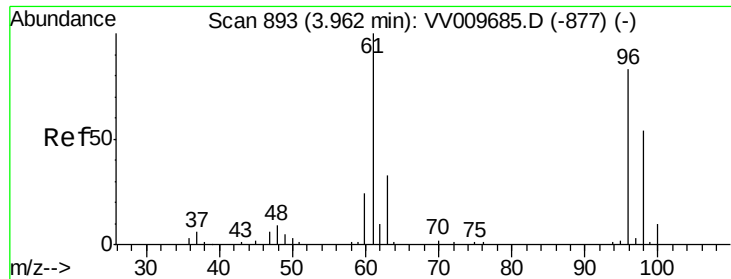
Tgt Ion: 96 Resp: 637
 Ion Ratio Lower Upper
 96 100
 61 1892.8 122.1 226.7#
 63 13640.4 107.6 199.8#



#16
 Methylene chloride
 Concen: 0.388 ug/L
 RT: 2.53 min Scan# 447
 Delta R.T. -0.01 min
 Lab File: VV009691.D
 Acq: 15 Mar 2019 17:27

Tgt Ion: 84 Resp: 361
 Ion Ratio Lower Upper
 84 100
 86 49.8 44.0 81.6
 49 125.8 82.0 152.4

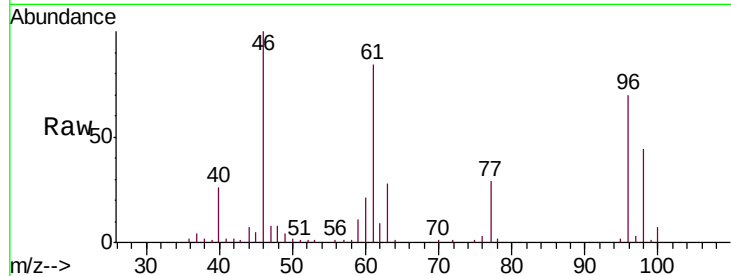




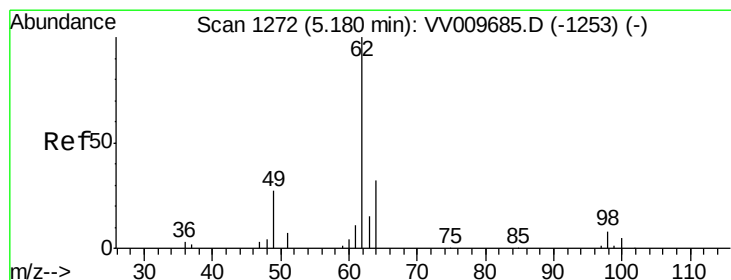
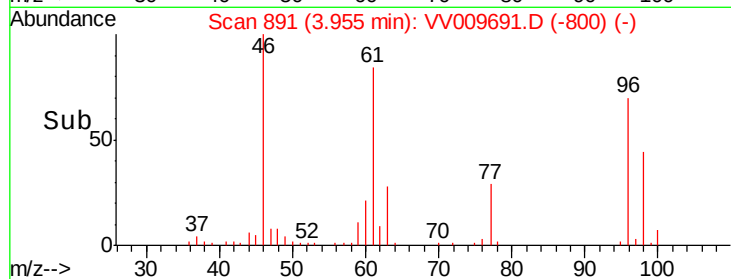
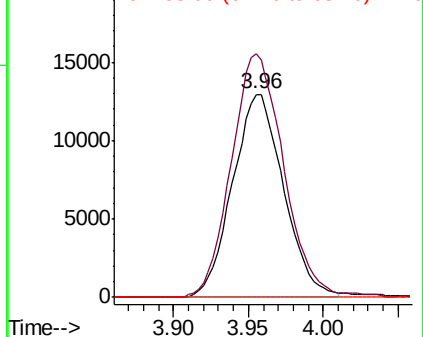
#20
 cis-1,2-Dichloroethene
 Concen: 30.286 ug/L
 RT: 3.96 min Scan# 891
 Delta R.T. -0.01 min
 Lab File: VV009691.D
 Acq: 15 Mar 2019 17:27

Instrument :
 MSVOA_V
 ClientSampleId :
 BF0T1

Tgt Ion: 96 Resp: 30684
 Ion Ratio Lower Upper
 96 100
 61 120.2 82.4 153.0
 68 0.0 0.0 0.0

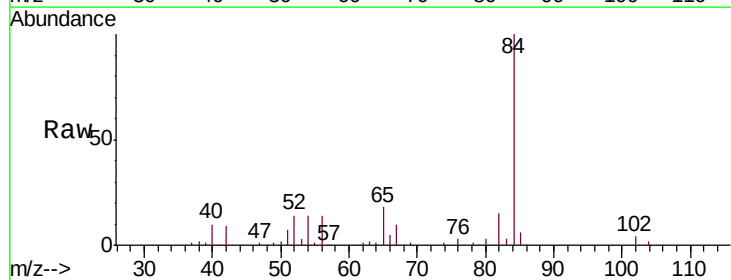


Abundance Ion 96.00 (95.70 to 96.70): VV0
 Ion 61.00 (60.70 to 61.70): VV0
 Ion 68.00 (67.70 to 68.70): VV0

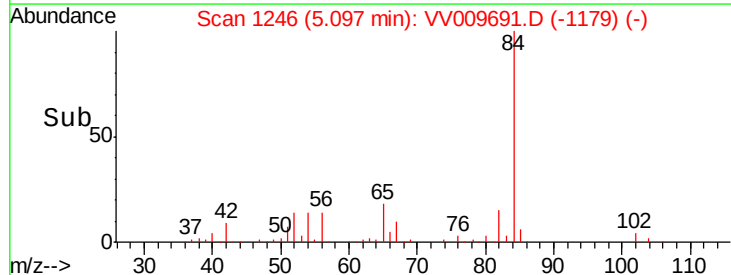
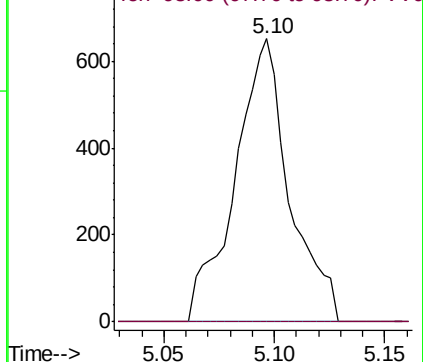


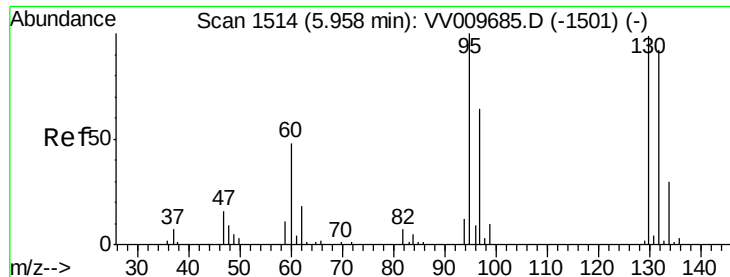
#27
 1,2-Dichloroethane
 Concen: 0.795 ug/L
 RT: 5.10 min Scan# 1246
 Delta R.T. -0.08 min
 Lab File: VV009691.D
 Acq: 15 Mar 2019 17:27

Tgt Ion: 62 Resp: 1124
 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





#34

Trichloroethene

Concen: 12.616 ug/L

RT: 5.96 min Scan# 1514

Delta R.T. -0.00 min

Lab File: VV009691.D

Acq: 15 Mar 2019 17:27

Instrument :

MSVOA_V

ClientSampleId :

BF0T1

Tgt Ion: 95 Resp: 12472

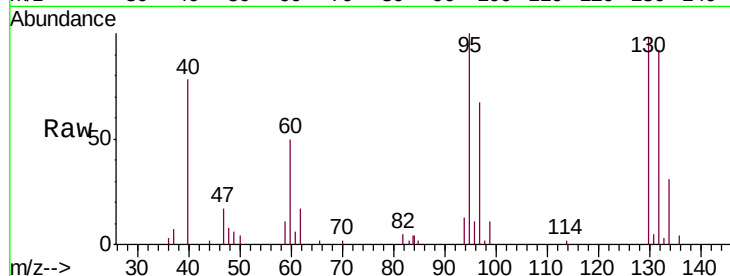
Ion Ratio Lower Upper

95 100

97 66.7 44.2 82.2

132 92.4 66.5 123.5

130 97.7 67.8 125.8

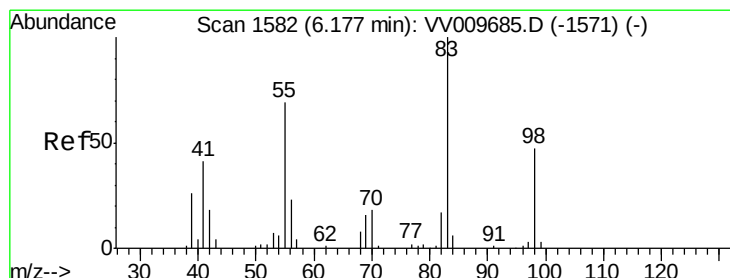
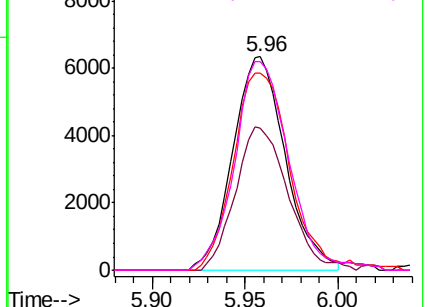
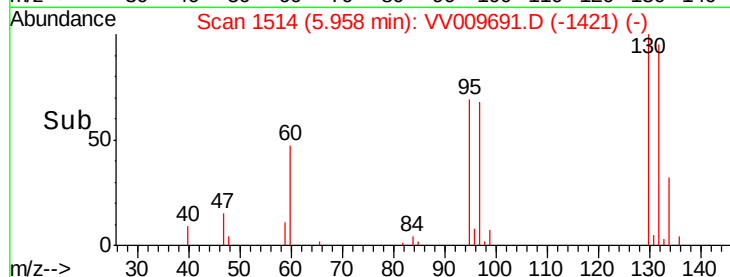


Abundance Ion 95.00 (94.70 to 95.70): VV009691.D (-1421) (-)

Ion 97.00 (96.70 to 97.70): VV009691.D (-1421) (-)

Ion 132.00 (131.70 to 132.70): VV009691.D (-1421) (-)

Ion 130.00 (129.70 to 130.70): VV009691.D (-1421) (-)



#35

Methylcyclohexane

Concen: 8.353 ug/L

RT: 6.12 min Scan# 1563

Delta R.T. -0.06 min

Lab File: VV009691.D

Acq: 15 Mar 2019 17:27

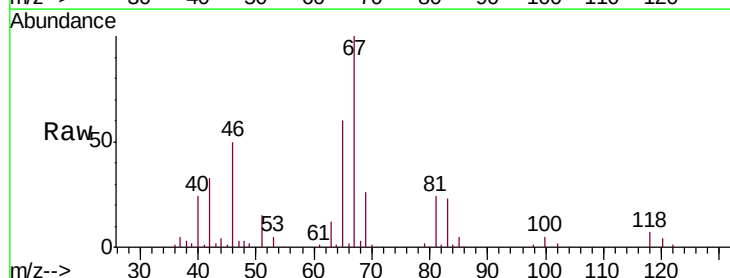
Tgt Ion: 83 Resp: 13359

Ion Ratio Lower Upper

83 100

55 0.6 57.9 86.9#

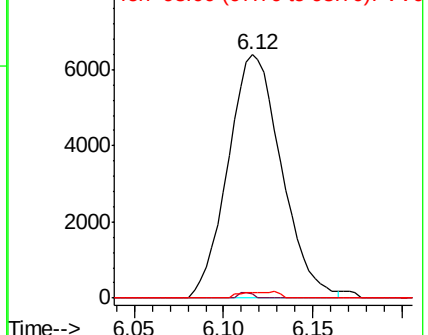
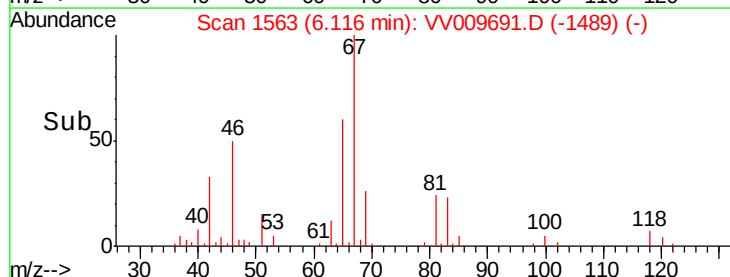
98 1.1 39.2 58.8#

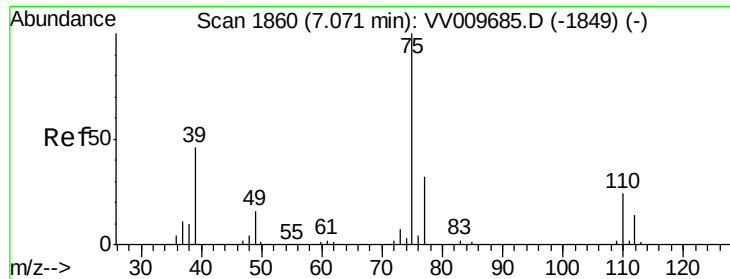


Abundance Ion 83.00 (82.70 to 83.70): VV009691.D (-1489) (-)

Ion 55.00 (54.70 to 55.70): VV009691.D (-1489) (-)

Ion 98.00 (97.70 to 98.70): VV009691.D (-1489) (-)

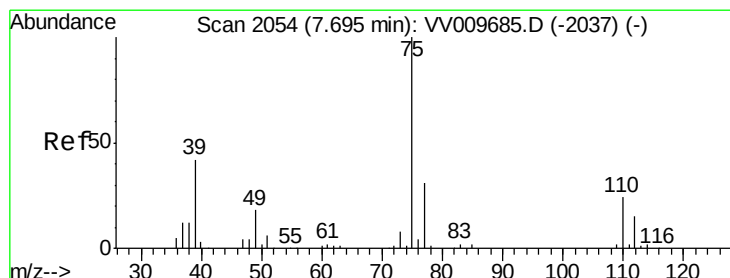
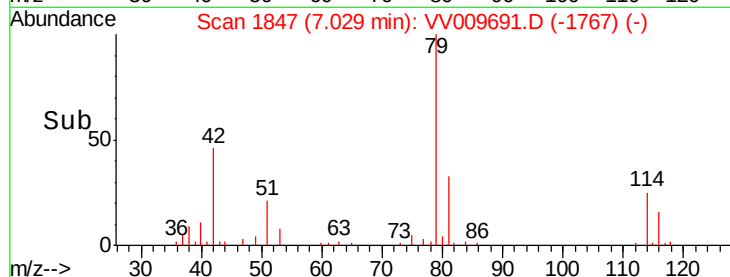
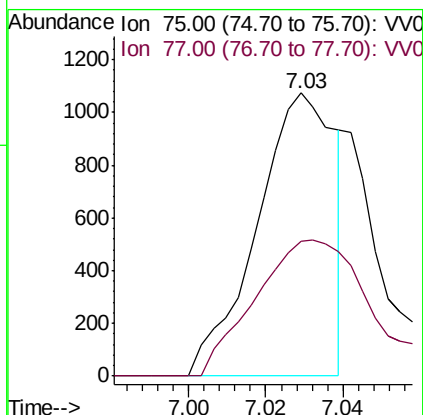
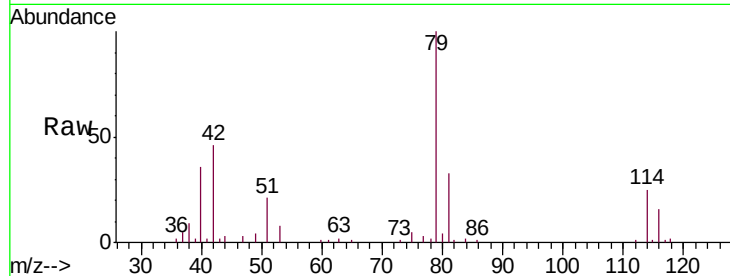




#39
 cis-1,3-Dichloropropene
 Concen: 1.002 ug/L
 RT: 7.03 min Scan# 1847
 Delta R.T. -0.04 min
 Lab File: VV009691.D
 Acq: 15 Mar 2019 17:27

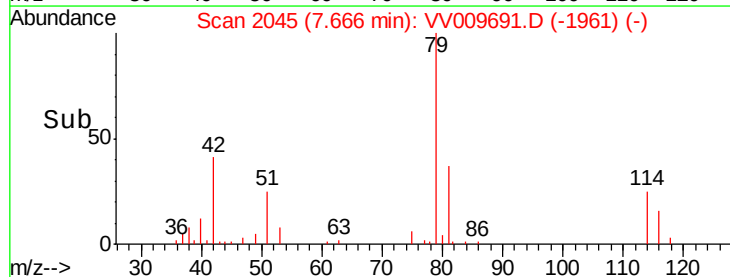
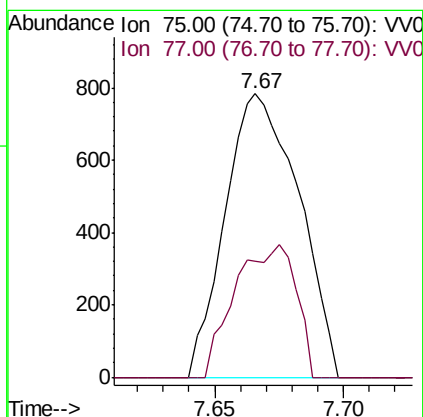
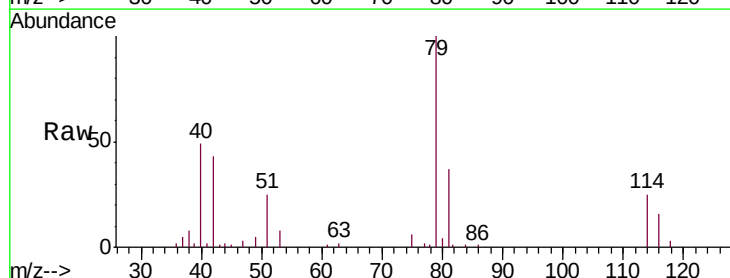
Instrument :
 MSVOA_V
 ClientSampleId :
 BF0T1

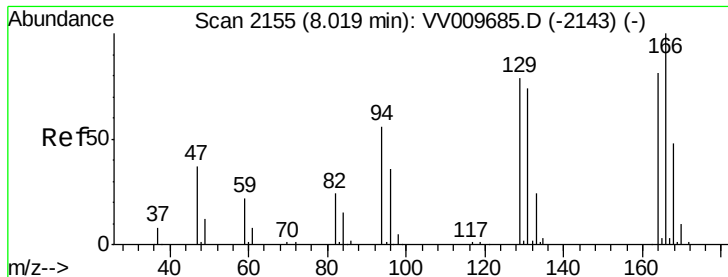
Tgt Ion: 75 Resp: 1508
 Ion Ratio Lower Upper
 75 100
 77 47.9 22.3 41.5#



#44
 trans-1,3-Dichloropropene
 Concen: 1.101 ug/L
 RT: 7.67 min Scan# 2045
 Delta R.T. -0.03 min
 Lab File: VV009691.D
 Acq: 15 Mar 2019 17:27

Tgt Ion: 75 Resp: 1556
 Ion Ratio Lower Upper
 75 100
 77 40.9 21.6 40.2#





#46

Tetrachloroethene

Concen: 18.692 ug/L

RT: 8.02 min Scan# 2155

Delta R.T. -0.00 min

Lab File: VV009691.D

Acq: 15 Mar 2019 17:27

Instrument :

MSVOA_V

ClientSampleId :

BF0T1

Tgt Ion:164 Resp: 14528

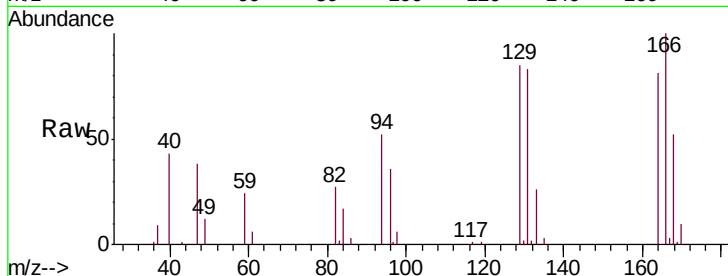
Ion Ratio Lower Upper

164 100

129 103.8 70.8 131.6

131 102.3 68.3 126.9

166 122.7 89.5 166.3

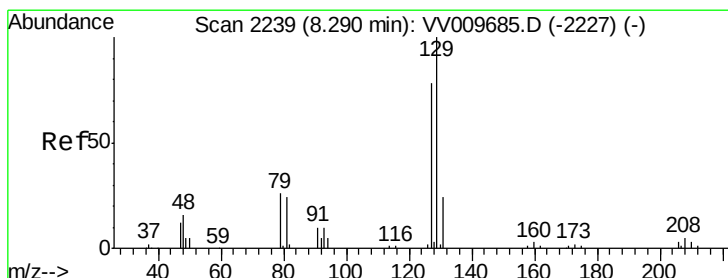
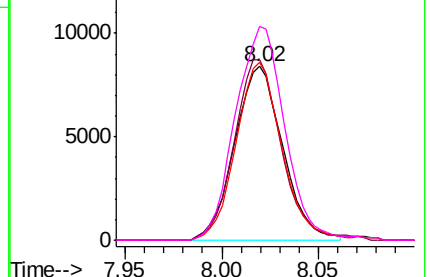
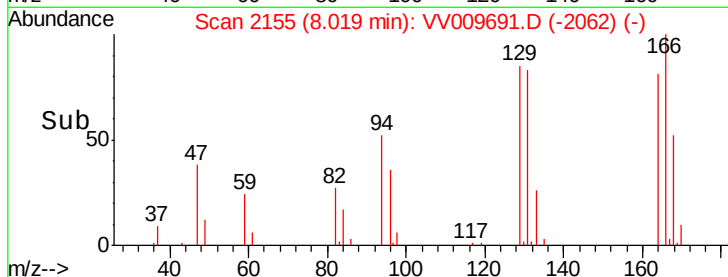


Abundance Ion 164.00 (163.70 to 164.70): V

Ion 129.00 (128.70 to 129.70): V

Ion 131.00 (130.70 to 131.70): V

Ion 166.00 (165.70 to 166.70): V



#49

Dibromochloromethane

Concen: 12.382 ug/L

RT: 8.02 min Scan# 2155

Delta R.T. -0.27 min

Lab File: VV009691.D

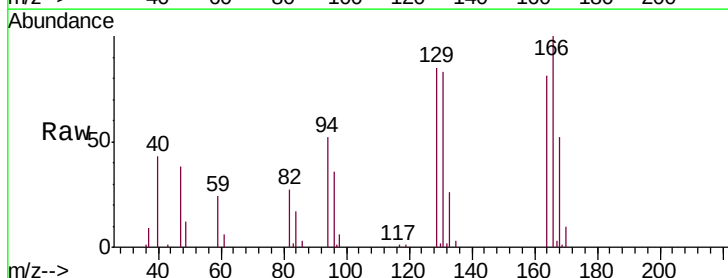
Acq: 15 Mar 2019 17:27

Tgt Ion:129 Resp: 13419

Ion Ratio Lower Upper

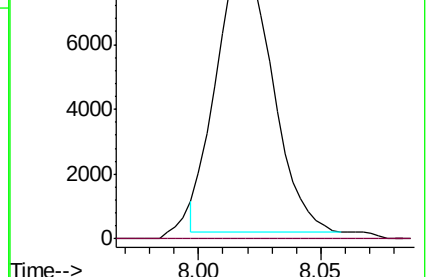
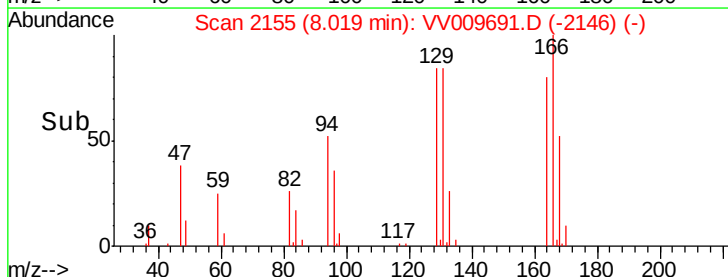
129 100

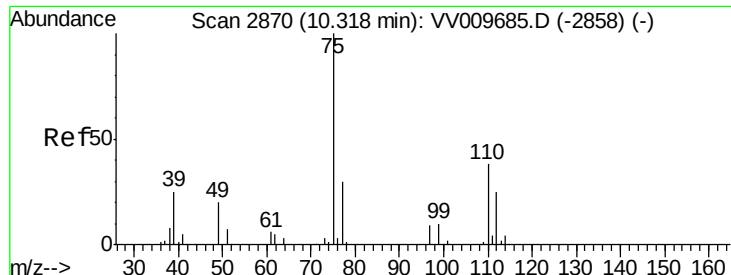
127 0.0 53.3 99.1#



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: 6.675 ug/L

RT: 11.30 min Scan# 3175

Delta R.T. 0.98 min

Lab File: VV009691.D

Acq: 15 Mar 2019 17:27

Instrument :

MSVOA_V

ClientSampleId :

BF0T1

Tgt Ion: 75 Resp: 8545

Ion Ratio Lower Upper

75 100

77 36.7 26.6 40.0

