

Data File : VV009701.D
Acq On : 15 Mar 2019 21:33
Operator : SY/MD
Sample : K1939-18
Misc : 5.23g/5.0mL/100uL/5.0mL/MSVOA_V/MEOH
ALS Vial : 18 Sample Multiplier: 1

Instrument :
MSVOA_V
ClientSampleId :
BF0Y1

Quant Time: Mar 16 02:38:22 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	167972	50.00	ug/L	0.00
28) Chlorobenzene-d5	8.90	117	171296	50.00	ug/L	0.00
60) 1,4-Dichlorobenzene-d4	11.30	152	78036	50.00	ug/L	0.00

System Monitoring Compounds

4) Vinyl Chloride-d3	1.32	65	37670	37.89	ug/L	0.00
Spiked Amount	50.000	Range	60 - 135	Recovery	=	75.78%
7) Chloroethane-d5	1.55	69	24194	23.38	ug/L	-0.03
Spiked Amount	50.000	Range	70 - 130	Recovery	=	46.76%#
11) 1,1-Dichloroethene-d2	2.10	63	87312	33.29	ug/L	-0.03
Spiked Amount	50.000	Range	60 - 125	Recovery	=	66.58%
21) 2-Butanone-d5	3.95	46	69539	94.65	ug/L	0.02
Spiked Amount	100.000	Range	40 - 130	Recovery	=	94.65%
24) Chloroform-d	4.40	84	95278	43.87	ug/L	0.00
Spiked Amount	50.000	Range	70 - 125	Recovery	=	87.74%
26) 1,2-Dichloroethane-d4	5.08	65	66975	46.61	ug/L	0.00
Spiked Amount	50.000	Range	70 - 125	Recovery	=	93.22%
32) Benzene-d6	5.09	84	197139	44.26	ug/L	0.00
Spiked Amount	50.000	Range	70 - 125	Recovery	=	88.52%
36) 1,2-Dichloropropane-d6	6.12	67	60191	45.19	ug/L	0.00
Spiked Amount	50.000	Range	70 - 120	Recovery	=	90.38%
41) Toluene-d8	7.36	98	190161	43.82	ug/L	0.00
Spiked Amount	50.000	Range	80 - 120	Recovery	=	87.64%
43) trans-1,3-Dichloropropene-	7.67	79	27786	40.39	ug/L	0.00
Spiked Amount	50.000	Range	60 - 125	Recovery	=	80.78%
47) 2-Hexanone-d5	8.14	63	61793	106.08	ug/L	0.01
Spiked Amount	100.000	Range	45 - 130	Recovery	=	106.08%
57) 1,1,2,2-Tetrachloroethane-	10.27	84	97148	45.41	ug/L	0.00
Spiked Amount	50.000	Range	65 - 120	Recovery	=	90.82%
64) 1,2-Dichlorobenzene-d4	11.68	152	73347	44.55	ug/L	0.00
Spiked Amount	50.000	Range	80 - 120	Recovery	=	89.10%

Target Compounds

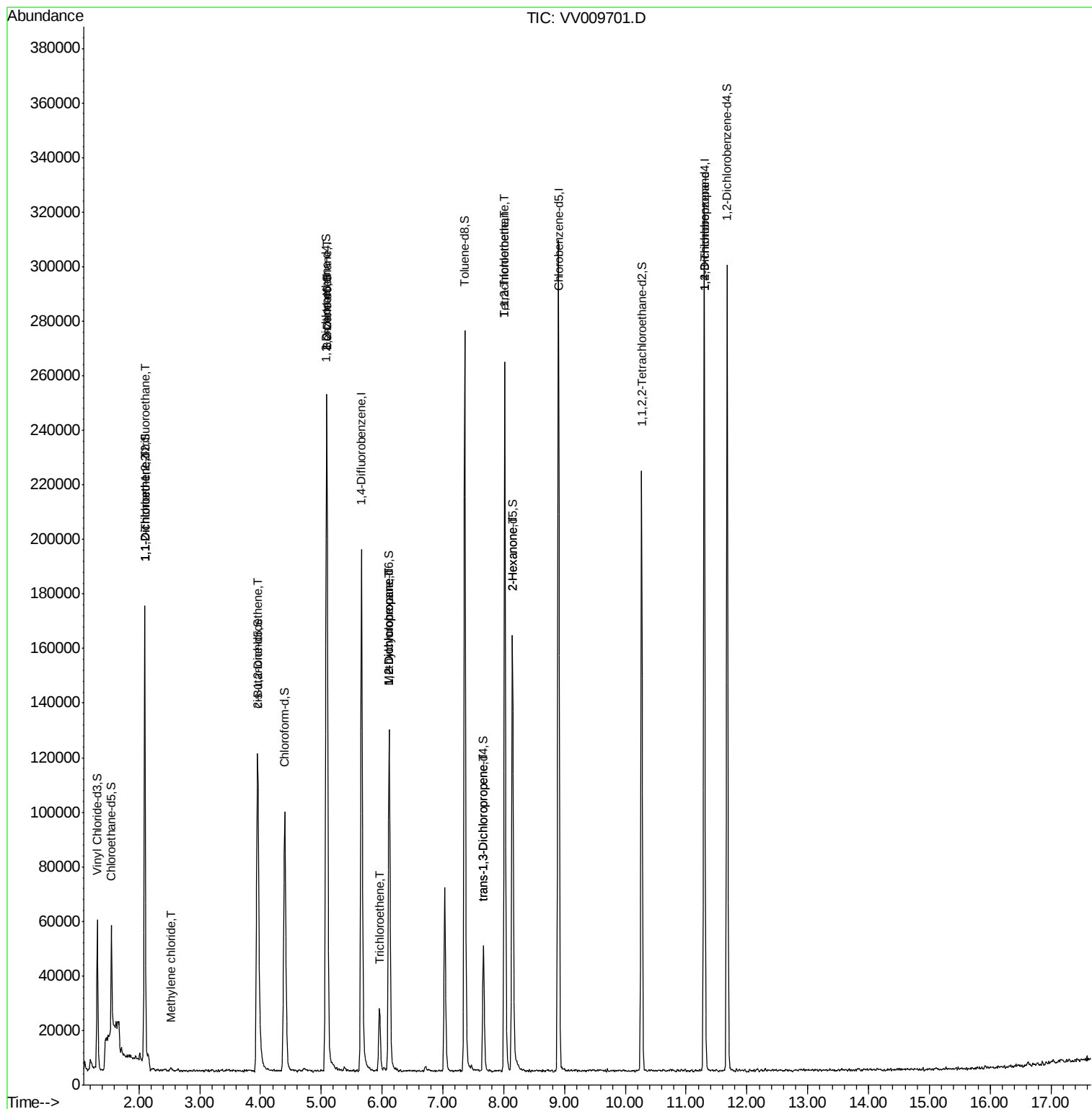
					Qvalue
10) 1,1,2-Trichloro-1,2,2-trif	2.10	101	710	0.558 ug/L #	19
12) 1,1-Dichloroethene	2.09	96	903	0.830 ug/L #	1
16) Methylene chloride	2.52	84	342	0.323 ug/L	80
20) cis-1,2-Dichloroethene	3.96	96	47452	41.114 ug/L	99
27) 1,2-Dichloroethane	5.09	62	1002	0.622 ug/L #	78
34) Trichloroethene	5.96	95	7847	6.839 ug/L	99
35) Methylcyclohexane	6.12	83	14687	7.912 ug/L #	20
37) 1,2-Dichloropropane	6.12	63	6990	6.379 ug/L #	87
44) trans-1,3-Dichloropropene	7.67	75	1536	0.937 ug/L	96
45) 1,1,2-Trichloroethane	8.01	97	529	0.468 ug/L #	43
46) Tetrachloroethene	8.02	164	54188	60.068 ug/L	98
48) 2-Hexanone	8.14	43	6803	5.797 ug/L #	67
59) 1,2,3-Trichloropropane	11.30	75	10505	7.070 ug/L	91

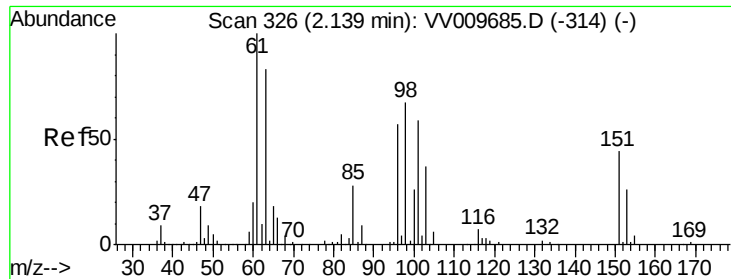
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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#10

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

Concen: 0.558 ug/L

RT: 2.10 min Scan# 313

Delta R.T. -0.04 min

Lab File: VV009701.D

Acq: 15 Mar 2019 21:33

Instrument :

MSVOA_V

ClientSampleId :

BF0Y1

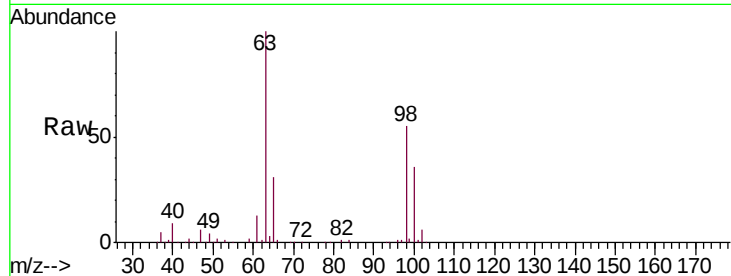
Tgt Ion:101 Resp: 710

Ion Ratio Lower Upper

101 100

85 0.0 37.8 56.6#

151 0.0 59.6 89.4#

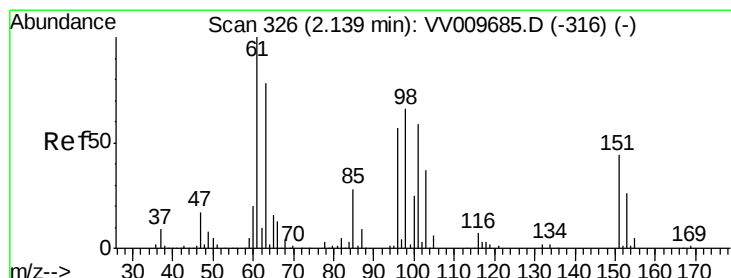
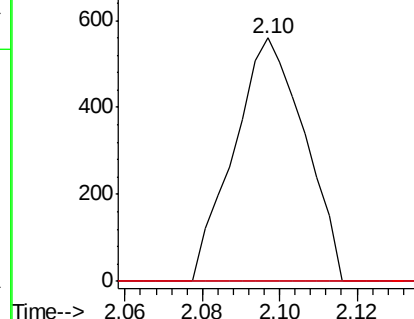
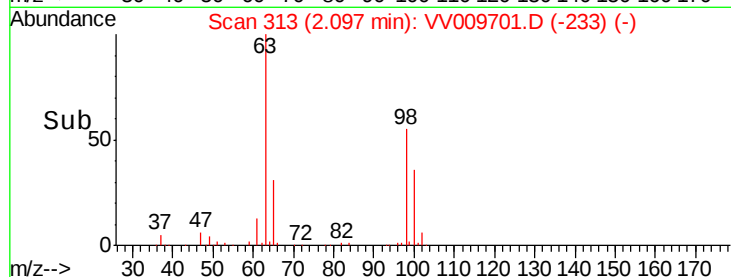


Abundance Ion 101.00 (100.70 to 101.70): VV009701.D (-233) (-)

Ion 85.00 (84.70 to 85.70): VV009701.D (-233) (-)

Ion 151.00 (150.70 to 151.70): VV009701.D (-233) (-)

Time-->



#12

1,1-Dichloroethene

Concen: 0.830 ug/L

RT: 2.09 min Scan# 311

Delta R.T. -0.05 min

Lab File: VV009701.D

Acq: 15 Mar 2019 21:33

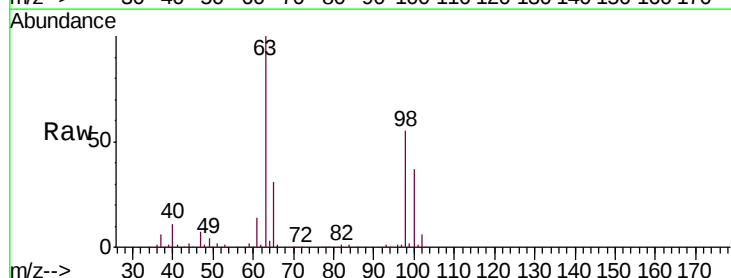
Tgt Ion: 96 Resp: 903

Ion Ratio Lower Upper

96 100

61 992.5 122.1 226.7#

63 7040.6 107.6 199.8#

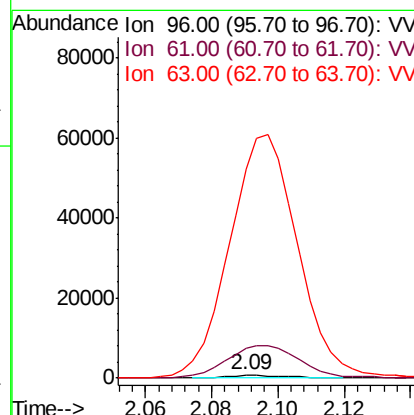
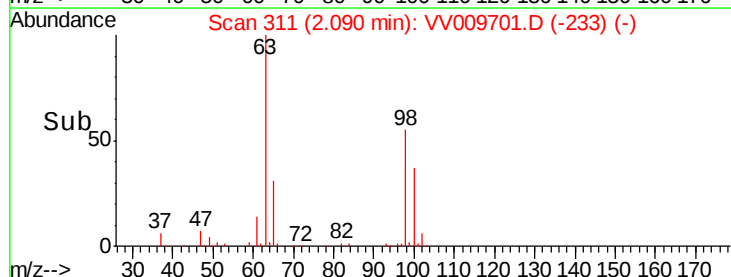


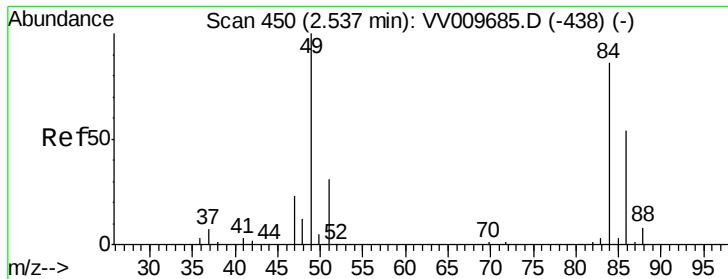
Abundance Ion 96.00 (95.70 to 96.70): VV009701.D (-233) (-)

Ion 61.00 (60.70 to 61.70): VV009701.D (-233) (-)

Ion 63.00 (62.70 to 63.70): VV009701.D (-233) (-)

Time-->

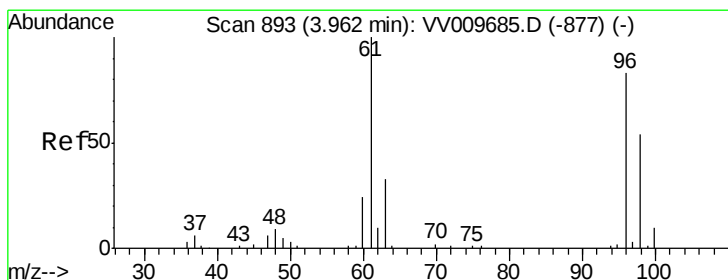
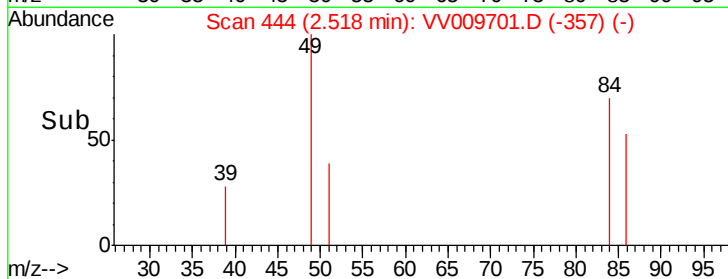
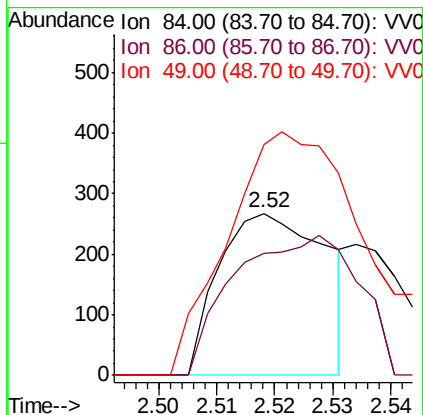
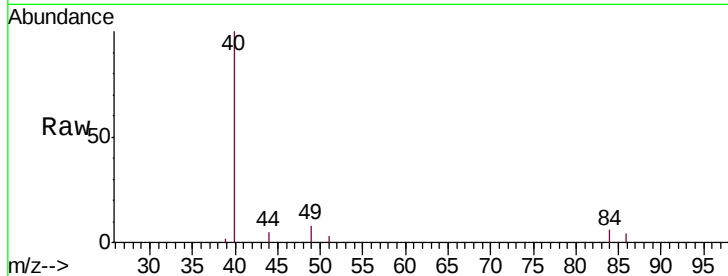




#16
Methylene chloride
Concen: 0.323 ug/L
RT: 2.52 min Scan# 444
Delta R.T. -0.02 min
Lab File: VV009701.D
Acq: 15 Mar 2019 21:33

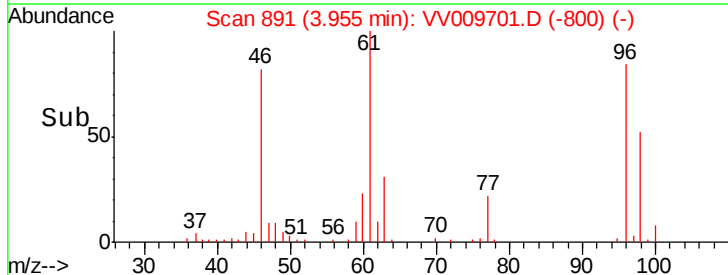
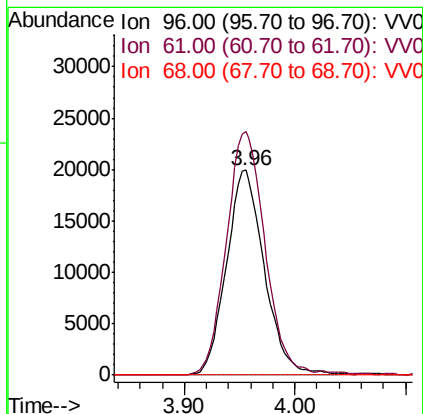
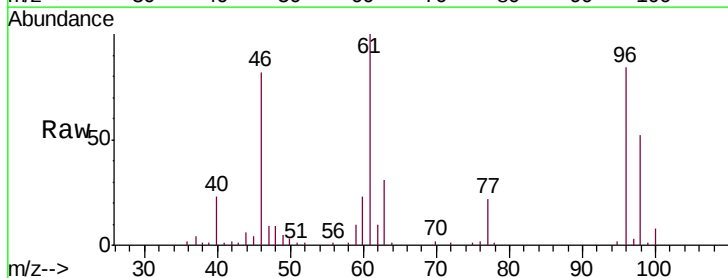
Instrument :
MSVOA_V
ClientSampleId :
BF0Y1

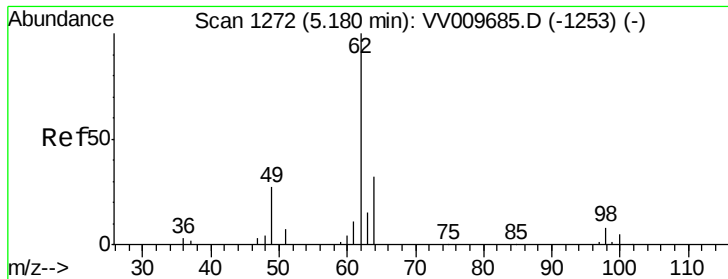
Tgt Ion: 84 Resp: 342
Ion Ratio Lower Upper
84 100
86 75.4 44.0 81.6
49 142.2 82.0 152.4



#20
cis-1,2-Dichloroethene
Concen: 41.114 ug/L
RT: 3.96 min Scan# 891
Delta R.T. -0.01 min
Lab File: VV009701.D
Acq: 15 Mar 2019 21:33

Tgt Ion: 96 Resp: 47452
Ion Ratio Lower Upper
96 100
61 118.7 82.4 153.0
68 0.0 0.0 0.0





#27

1,2-Dichloroethane

Concen: 0.622 ug/L

RT: 5.09 min Scan# 1244

Delta R.T. -0.09 min

Lab File: VV009701.D

Acq: 15 Mar 2019 21:33

Instrument :

MSVOA_V

ClientSampleId :

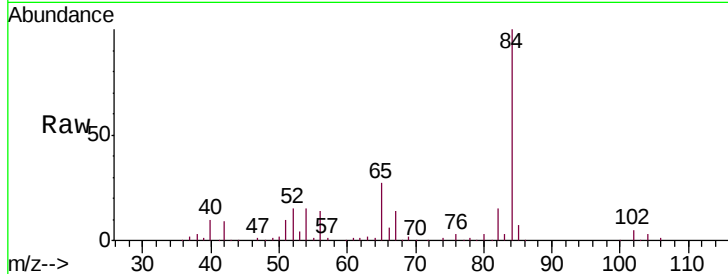
BF0Y1

Tgt Ion: 62 Resp: 1002

Ion Ratio Lower Upper

62 100

98 0.0 6.2 9.4#

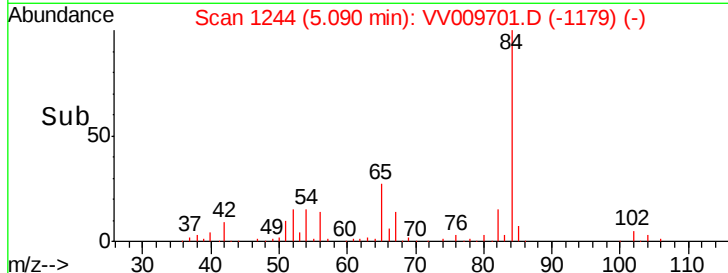


Abundance Ion 62.00 (61.70 to 62.70): VV009685.D (-1253) (-)

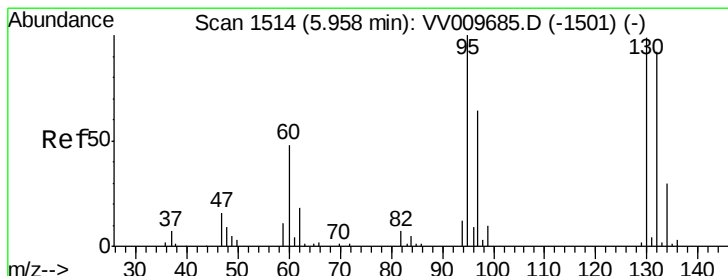
Ion 98.00 (97.70 to 98.70): VV009685.D (-1253) (-)

5.09

5.06 5.08 5.10 5.12 5.14



Time-->



#34

Trichloroethene

Concen: 6.839 ug/L

RT: 5.96 min Scan# 1513

Delta R.T. -0.00 min

Lab File: VV009701.D

Acq: 15 Mar 2019 21:33

Tgt Ion: 95 Resp: 7847

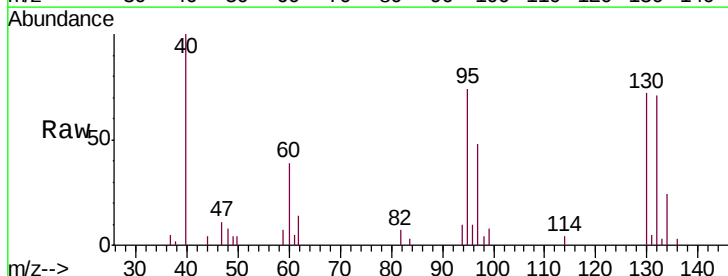
Ion Ratio Lower Upper

95 100

97 64.9 44.2 82.2

132 95.0 66.5 123.5

130 97.0 67.8 125.8



Abundance Ion 95.00 (94.70 to 95.70): VV009685.D (-1501) (-)

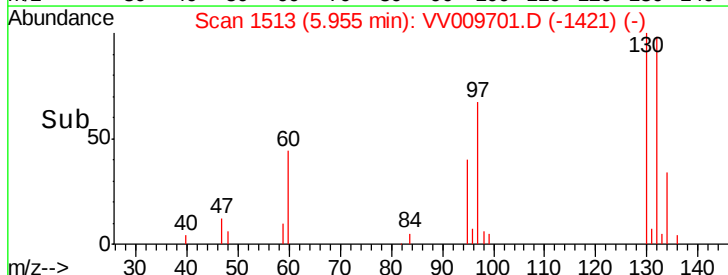
Ion 97.00 (96.70 to 97.70): VV009685.D (-1501) (-)

Ion 132.00 (131.70 to 132.70): VV009685.D (-1501) (-)

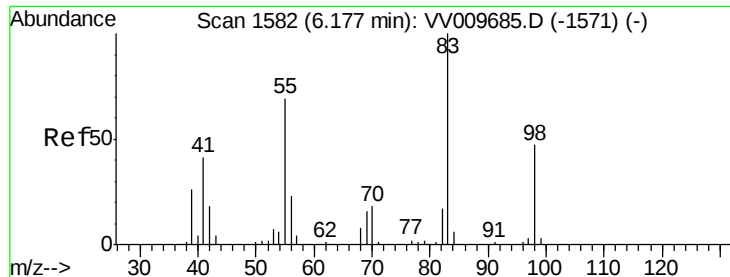
Ion 130.00 (129.70 to 130.70): VV009685.D (-1501) (-)

5.96

5.90 5.95 6.00



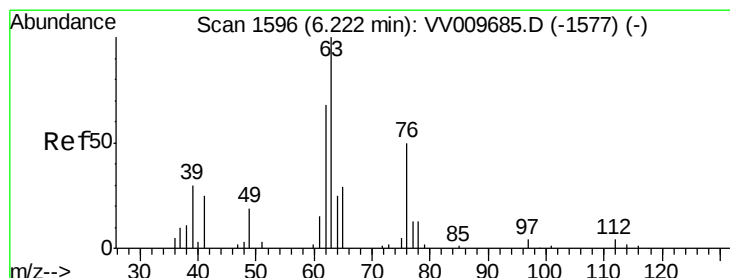
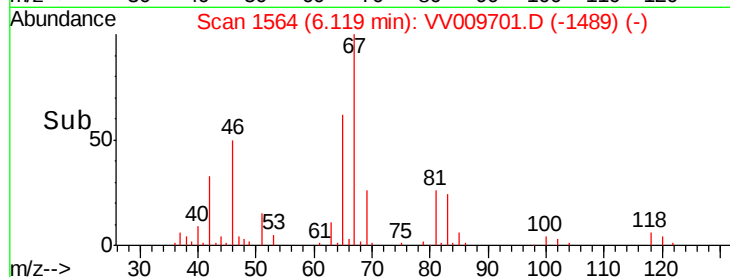
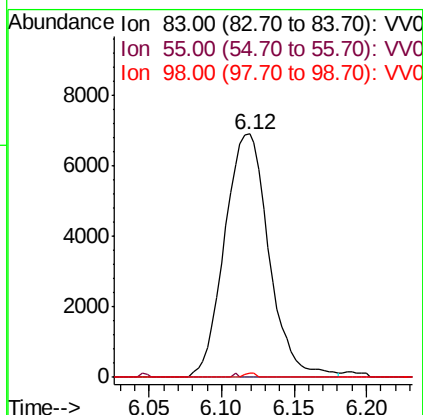
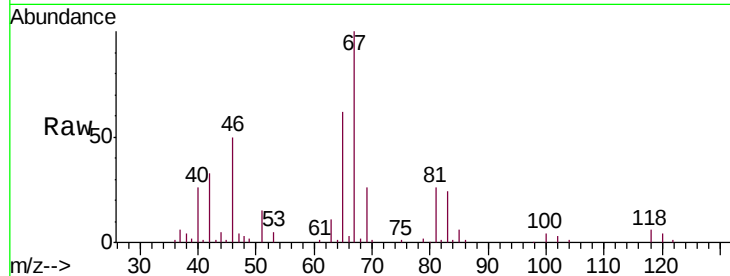
Time-->



#35
Methylcyclohexane
Concen: 7.912 ug/L
RT: 6.12 min Scan# 1564
Delta R.T. -0.06 min
Lab File: VV009701.D
Acq: 15 Mar 2019 21:33

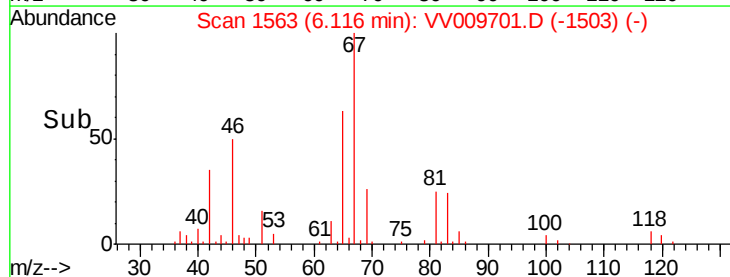
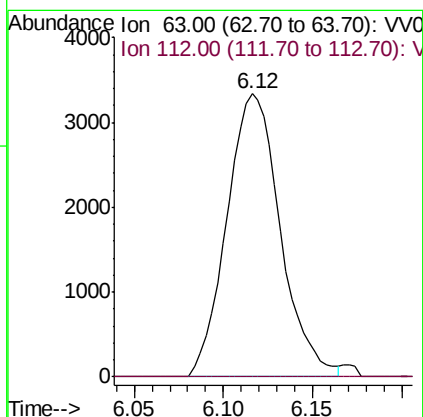
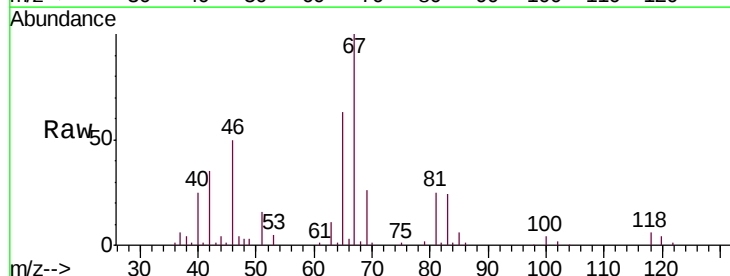
Instrument :
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ClientSampleId :
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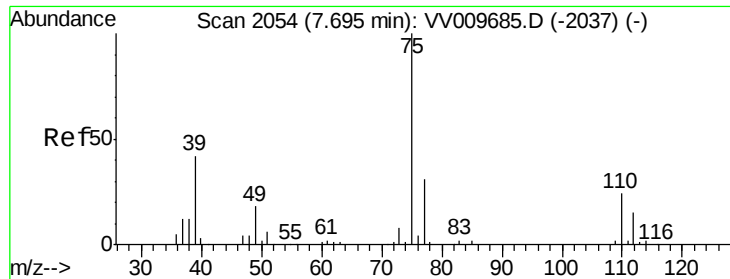
Tgt Ion: 83 Resp: 14687
Ion Ratio Lower Upper
83 100
55 0.3 57.9 86.9#
98 0.5 39.2 58.8#



#37
1,2-Dichloropropane
Concen: 6.379 ug/L
RT: 6.12 min Scan# 1563
Delta R.T. -0.11 min
Lab File: VV009701.D
Acq: 15 Mar 2019 21:33

Tgt Ion: 63 Resp: 6990
Ion Ratio Lower Upper
63 100
112 0.0 3.4 5.0#





#44

trans-1,3-Dichloropropene

Concen: 0.937 ug/L

RT: 7.67 min Scan# 2046

Delta R.T. -0.03 min

Lab File: VV009701.D

Acq: 15 Mar 2019 21:33

Instrument :

MSVOA_V

ClientSampleId :

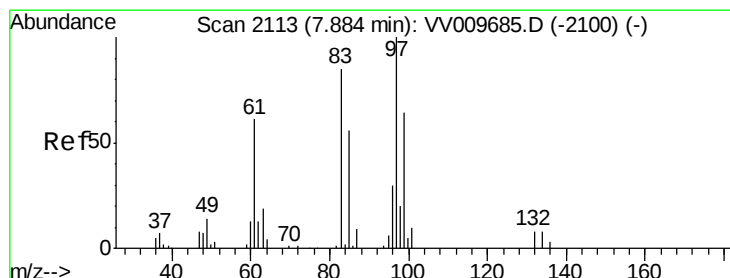
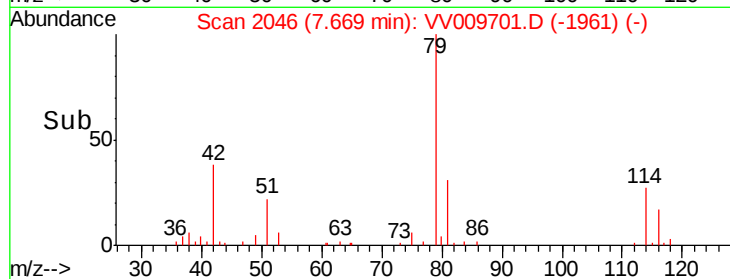
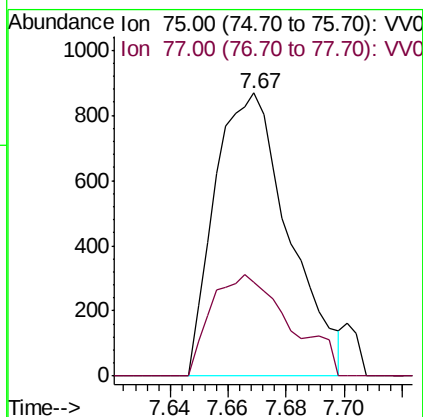
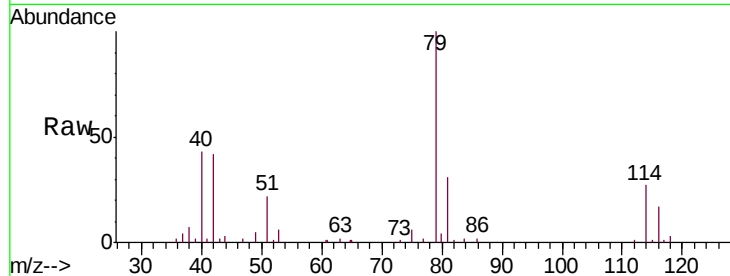
BF0Y1

Tgt Ion: 75 Resp: 1536

Ion Ratio Lower Upper

75 100

77 33.1 21.6 40.2



#45

1,1,2-Trichloroethane

Concen: 0.468 ug/L

RT: 8.01 min Scan# 2152

Delta R.T. 0.13 min

Lab File: VV009701.D

Acq: 15 Mar 2019 21:33

Tgt Ion: 97 Resp: 529

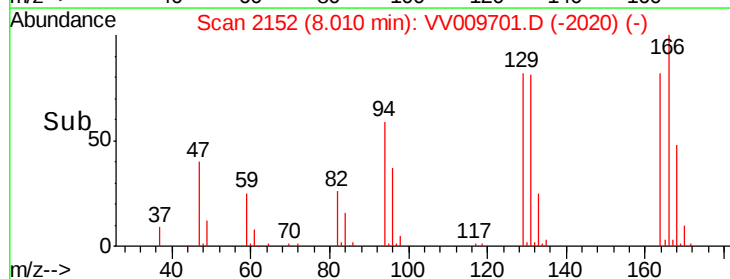
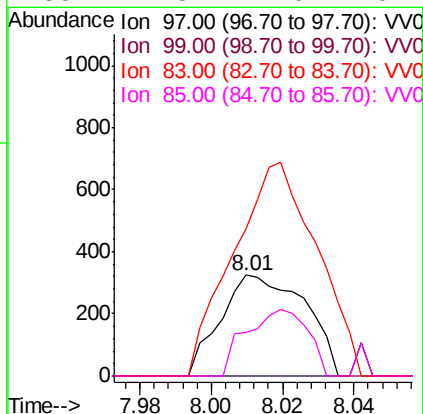
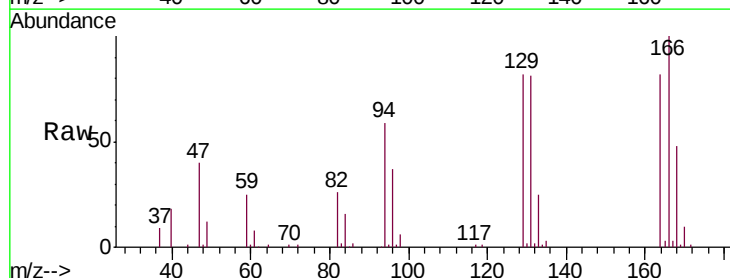
Ion Ratio Lower Upper

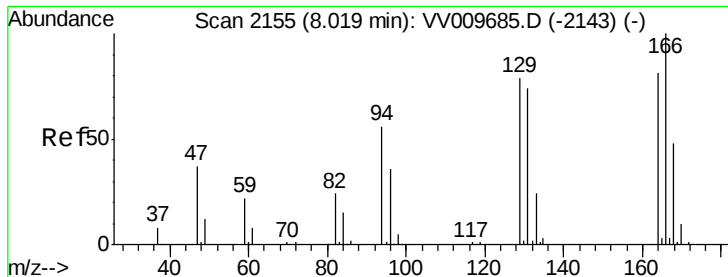
97 100

99 0.0 44.0 81.8#

83 146.2 61.5 114.3#

85 42.8 41.0 76.2





#46

Tetrachloroethene

Concen: 60.068 ug/L

RT: 8.02 min Scan# 2154

Delta R.T. -0.00 min

Lab File: VV009701.D

Acq: 15 Mar 2019 21:33

Instrument :

MSVOA_V

ClientSampleId :

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Tgt Ion:164 Resp: 54188

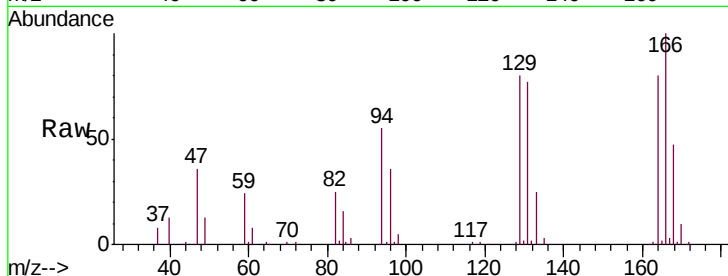
Ion Ratio Lower Upper

164 100

129 99.7 70.8 131.6

131 96.6 68.3 126.9

166 125.3 89.5 166.3

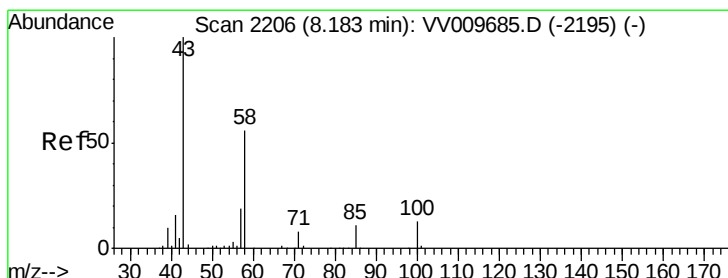
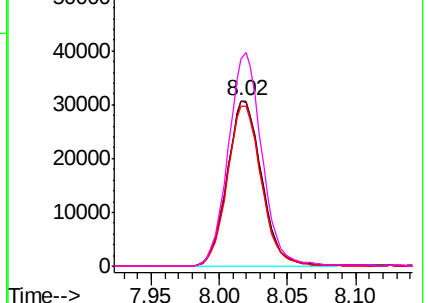
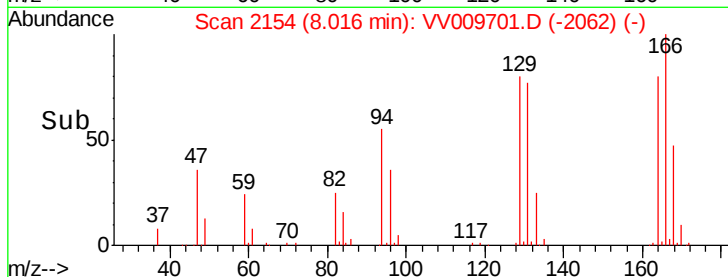


Abundance Ion 164.00 (163.70 to 164.70): V

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



#48

2-Hexanone

Concen: 5.797 ug/L

RT: 8.14 min Scan# 2193

Delta R.T. -0.04 min

Lab File: VV009701.D

Acq: 15 Mar 2019 21:33

Tgt Ion: 43 Resp: 6803

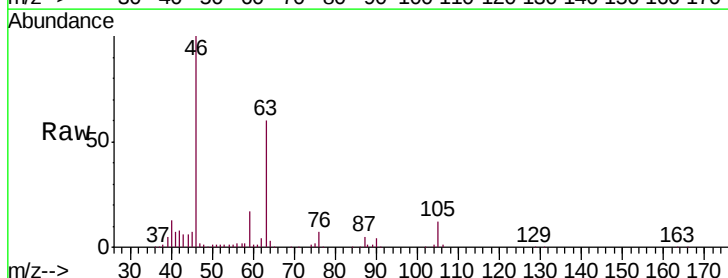
Ion Ratio Lower Upper

43 100

58 28.9 45.8 68.8#

57 25.6 14.5 21.7#

100 0.0 9.8 14.8#

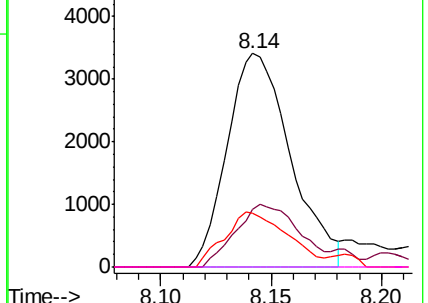
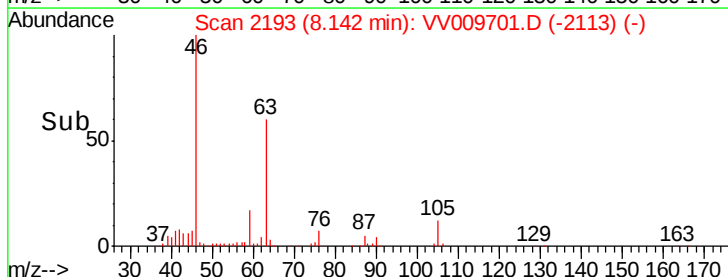


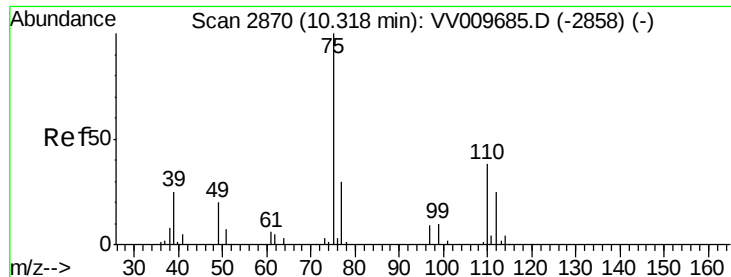
Abundance Ion 43.00 (42.70 to 43.70): VV0

Ion 58.00 (57.70 to 58.70): VV0

Ion 57.00 (56.70 to 57.70): VV0

Ion 100.00 (99.70 to 100.70): VV0





#59

1,2,3-Trichloropropane

Concen: 7.070 ug/L

RT: 11.30 min Scan# 3174

Delta R.T. 0.98 min

Lab File: VV009701.D

Acq: 15 Mar 2019 21:33

Instrument :

MSVOA_V

ClientSampleId :

BF0Y1

Tgt Ion: 75 Resp: 10505

Ion Ratio Lower Upper

75 100

77 38.4 26.6 40.0

