

Data File : VV009692.D
Acq On : 15 Mar 2019 17:51
Operator : SY/MD
Sample : K1939-09
Misc : 5.57g/5.0mL/100uL/5.0mL/MSVOA_V/MEOH
ALS Vial : 9 Sample Multiplier: 1

Instrument :
MSVOA_V
ClientSampleId :
BF0T2

Quant Time: Mar 16 02:36:39 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	151730	50.00	ug/L	0.00
28) Chlorobenzene-d5	8.90	117	153236	50.00	ug/L	0.00
60) 1,4-Dichlorobenzene-d4	11.30	152	64586	50.00	ug/L	0.00

System Monitoring Compounds

4) Vinyl Chloride-d3	1.32	65	36618	40.78	ug/L	0.00
Spiked Amount	50.000	Range	60 - 135	Recovery	=	81.56%
7) Chloroethane-d5	1.55	69	23582	25.23	ug/L	-0.03
Spiked Amount	50.000	Range	70 - 130	Recovery	=	50.46%#
11) 1,1-Dichloroethene-d2	2.10	63	84058	35.48	ug/L	-0.03
Spiked Amount	50.000	Range	60 - 125	Recovery	=	70.96%
21) 2-Butanone-d5	3.95	46	67255	101.34	ug/L	0.02
Spiked Amount	100.000	Range	40 - 130	Recovery	=	101.34%
24) Chloroform-d	4.40	84	90351	46.06	ug/L	0.00
Spiked Amount	50.000	Range	70 - 125	Recovery	=	92.12%
26) 1,2-Dichloroethane-d4	5.08	65	63116	48.63	ug/L	0.00
Spiked Amount	50.000	Range	70 - 125	Recovery	=	97.26%
32) Benzene-d6	5.09	84	184363	46.27	ug/L	0.00
Spiked Amount	50.000	Range	70 - 125	Recovery	=	92.54%
36) 1,2-Dichloropropane-d6	6.12	67	58673	49.24	ug/L	0.00
Spiked Amount	50.000	Range	70 - 120	Recovery	=	98.48%
41) Toluene-d8	7.36	98	176874	45.56	ug/L	0.00
Spiked Amount	50.000	Range	80 - 120	Recovery	=	91.12%
43) trans-1,3-Dichloropropene-	7.67	79	26281	42.71	ug/L	0.00
Spiked Amount	50.000	Range	60 - 125	Recovery	=	85.42%
47) 2-Hexanone-d5	8.14	63	57020	109.42	ug/L	0.02
Spiked Amount	100.000	Range	45 - 130	Recovery	=	109.42%
57) 1,1,2,2-Tetrachloroethane-	10.27	84	94530	49.39	ug/L	0.00
Spiked Amount	50.000	Range	65 - 120	Recovery	=	98.78%
64) 1,2-Dichlorobenzene-d4	11.68	152	67325	49.41	ug/L	0.00
Spiked Amount	50.000	Range	80 - 120	Recovery	=	98.82%

Target Compounds

						Qvalue
10) 1,1,2-Trichloro-1,2,2-trif	2.10	101	750	0.653	ug/L #	19
12) 1,1-Dichloroethene	2.10	96	940	0.956	ug/L #	1
16) Methylene chloride	2.52	84	379	0.396	ug/L #	72
20) cis-1,2-Dichloroethene	3.96	96	24365	23.371	ug/L	96
27) 1,2-Dichloroethane	5.09	62	1082	0.743	ug/L #	78
34) Trichloroethene	5.96	95	12963	12.629	ug/L	96
37) 1,2-Dichloropropane	6.12	63	7236	7.382	ug/L #	87
39) cis-1,3-Dichloropropene	7.03	75	2044	1.308	ug/L #	63
44) trans-1,3-Dichloropropene	7.67	75	1413	0.963	ug/L	98
46) Tetrachloroethene	8.02	164	18817	23.317	ug/L	97
49) Dibromochloromethane	8.02	129	18412	16.362	ug/L #	11
59) 1,2,3-Trichloropropane	11.30	75	9746	7.333	ug/L	100

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

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ALS Vial      : 9      Sample Multiplier: 1
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Instrument :
MSVOA_V
ClientSampleId :
BF0T2

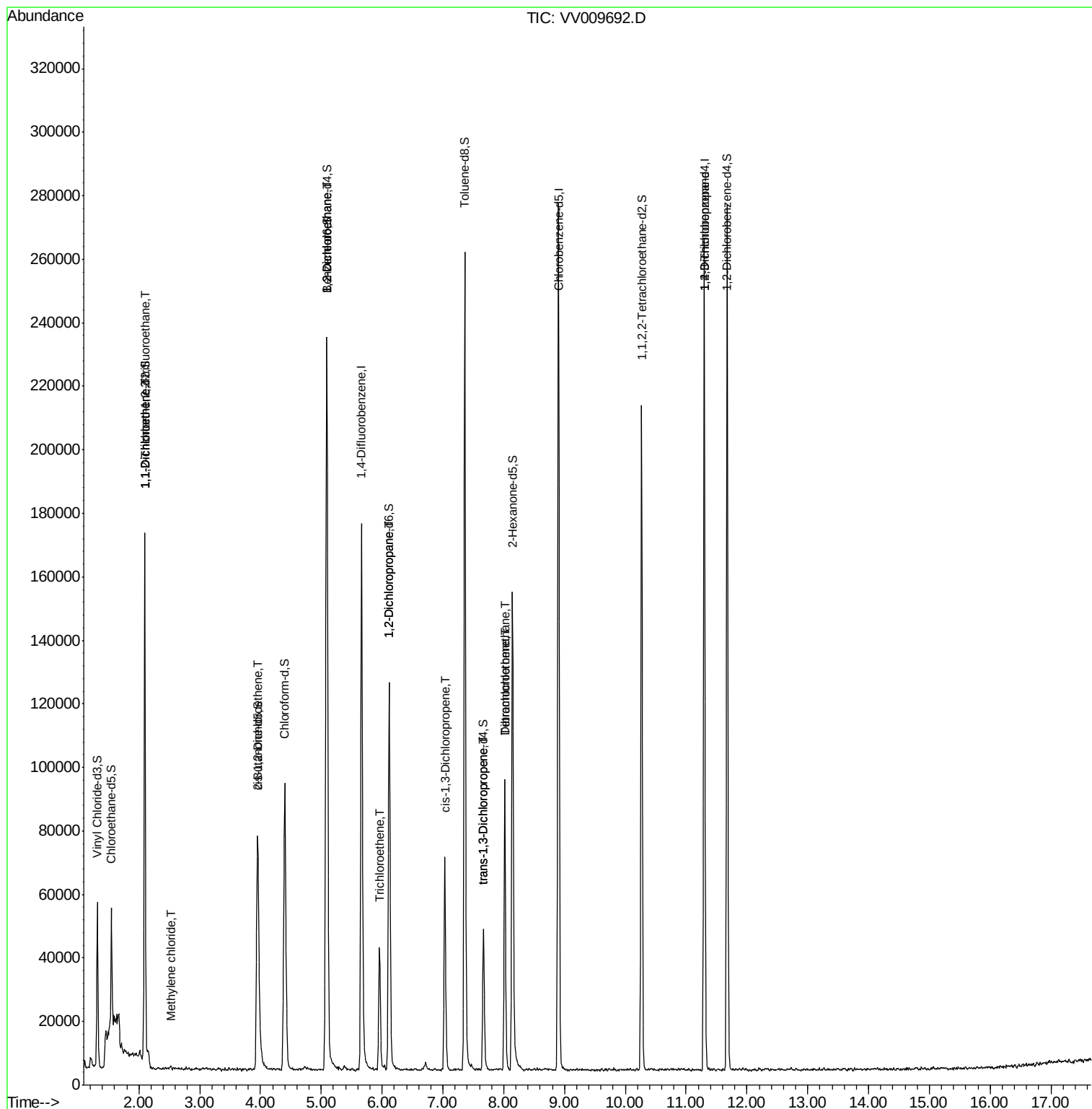
Quant Time: Mar 16 02:36:39 2019

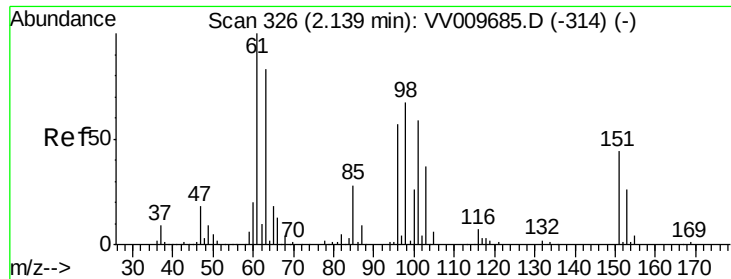
Quant Method : Z:\V0ASRV\HPCHEM1\MSV0A_V\METHOD\SOMVLM031219WMA.M

Quant Title : VOC Analysis

QLast Update : Sat Mar 16 02:32:06 2019

Response via : Initial Calibration





#10

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

Concen: 0.653 ug/L

RT: 2.10 min Scan# 313

Delta R.T. -0.04 min

Lab File: VV009692.D

Acq: 15 Mar 2019 17:51

Instrument :

MSVOA_V

ClientSampleId :

BF0T2

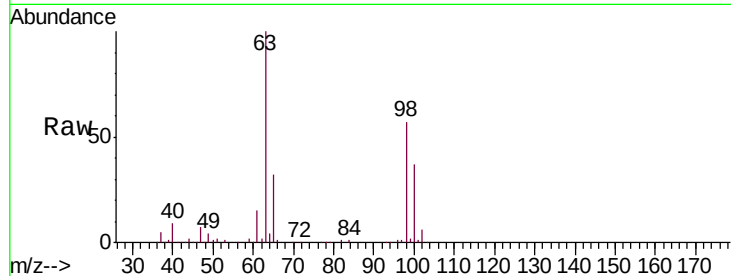
Tgt Ion: 101 Resp: 750

Ion Ratio Lower Upper

101 100

85 0.0 37.8 56.6#

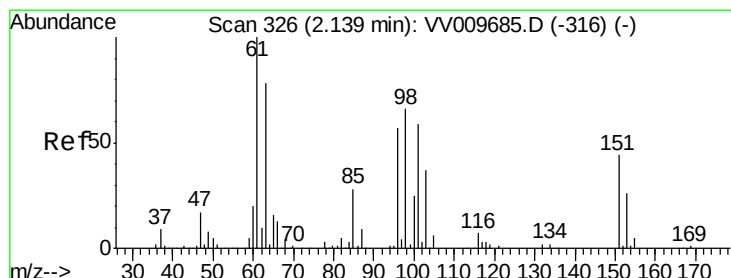
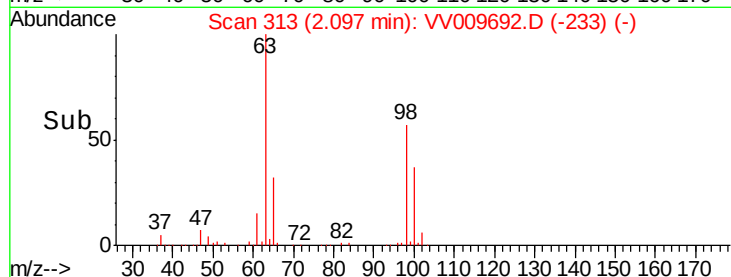
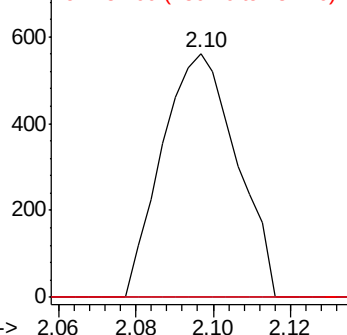
151 0.0 59.6 89.4#



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: 0.956 ug/L

RT: 2.10 min Scan# 313

Delta R.T. -0.04 min

Lab File: VV009692.D

Acq: 15 Mar 2019 17:51

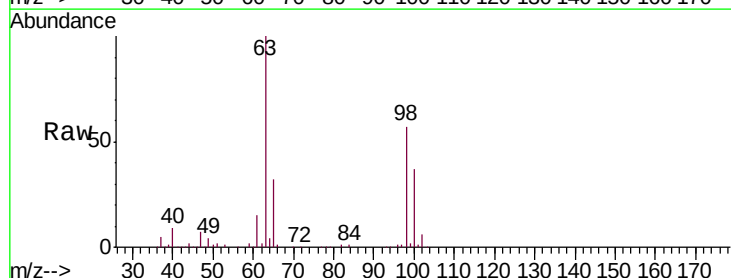
Tgt Ion: 96 Resp: 940

Ion Ratio Lower Upper

96 100

61 1248.0 122.1 226.7#

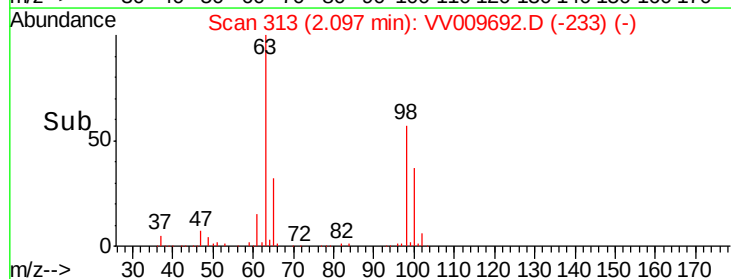
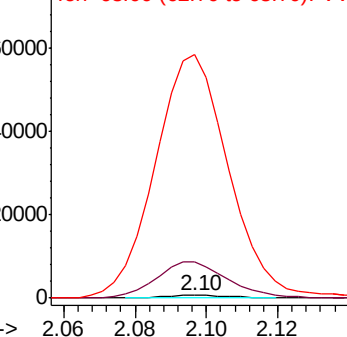
63 8379.3 107.6 199.8#

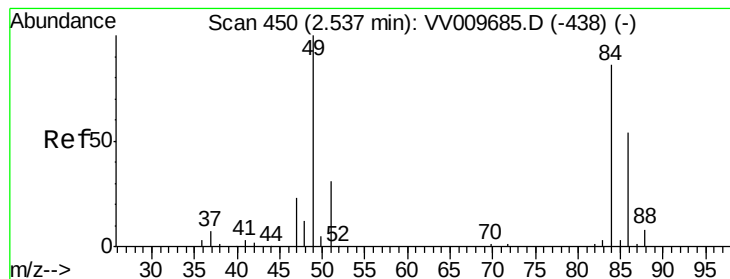


Abundance Ion 96.00 (95.70 to 96.70): VV0

Ion 61.00 (60.70 to 61.70): VV0

Ion 63.00 (62.70 to 63.70): VV0





#16

Methylene chloride

Concen: 0.396 ug/L

RT: 2.52 min Scan# 446

Delta R.T. -0.01 min

Lab File: VV009692.D

Acq: 15 Mar 2019 17:51

Instrument :

MSVOA_V

ClientSampleId :

BF0T2

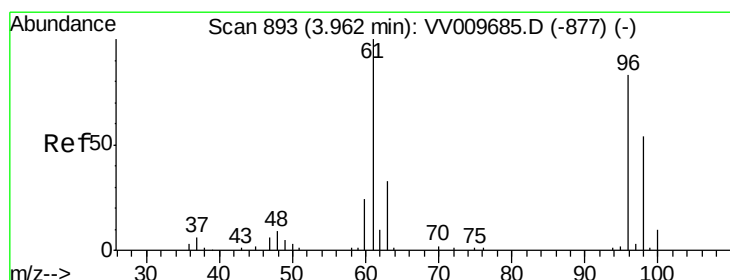
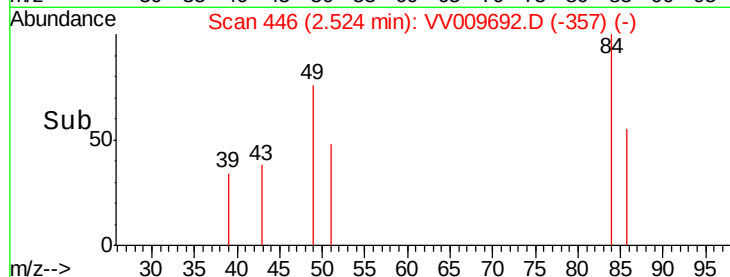
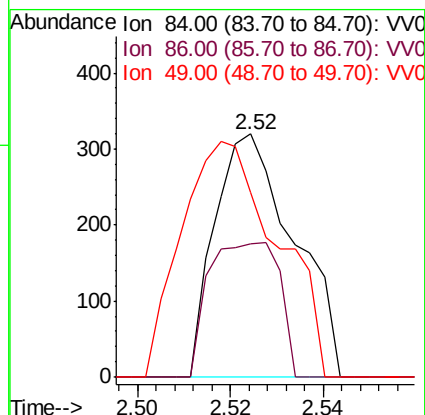
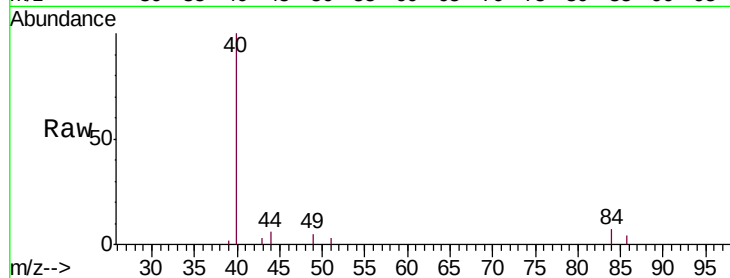
Tgt Ion: 84 Resp: 379

Ion Ratio Lower Upper

84 100

86 54.7 44.0 81.6

49 75.6 82.0 152.4#



#20

cis-1,2-Dichloroethene

Concen: 23.371 ug/L

RT: 3.96 min Scan# 891

Delta R.T. -0.01 min

Lab File: VV009692.D

Acq: 15 Mar 2019 17:51

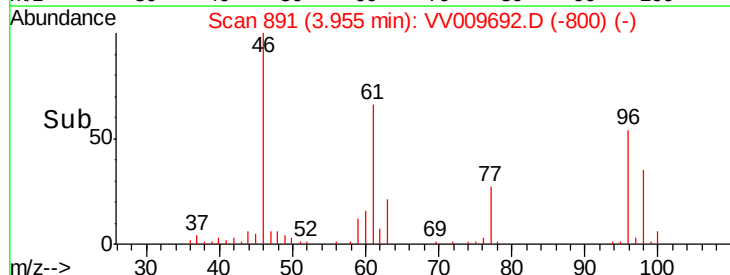
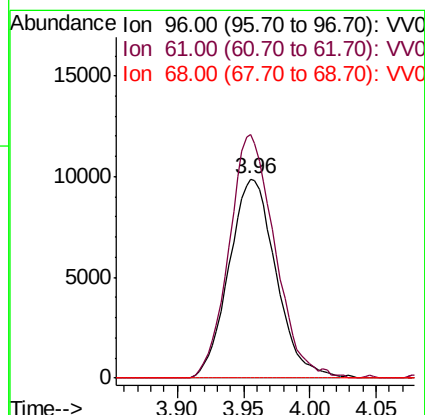
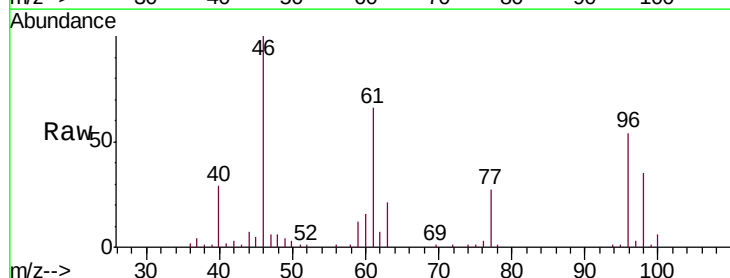
Tgt Ion: 96 Resp: 24365

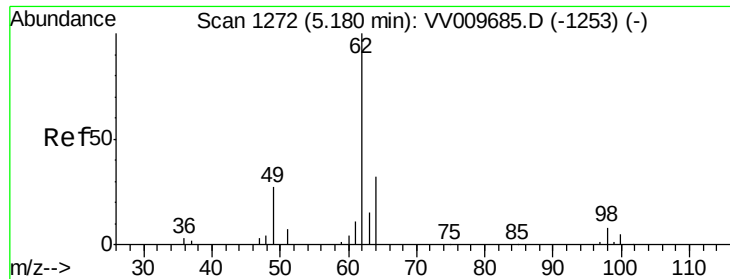
Ion Ratio Lower Upper

96 100

61 122.2 82.4 153.0

68 0.0 0.0 0.0





#27

1,2-Dichloroethane

Concen: 0.743 ug/L

RT: 5.09 min Scan# 1244

Delta R.T. -0.09 min

Lab File: VV009692.D

Acq: 15 Mar 2019 17:51

Instrument :

MSVOA_V

ClientSampleId :

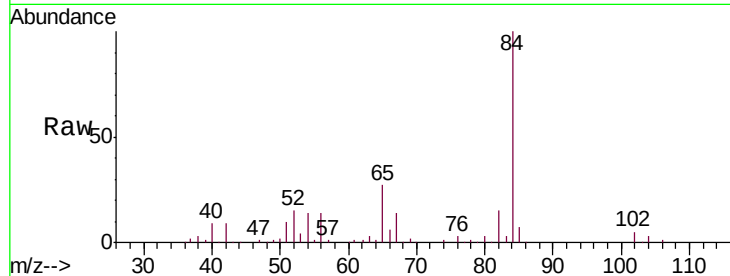
BF0T2

Tgt Ion: 62 Resp: 1082

Ion Ratio Lower Upper

62 100

98 0.0 6.2 9.4#

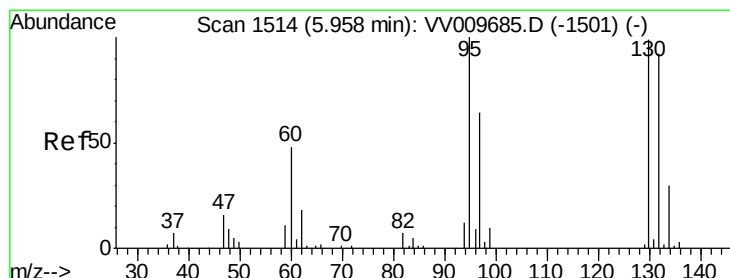
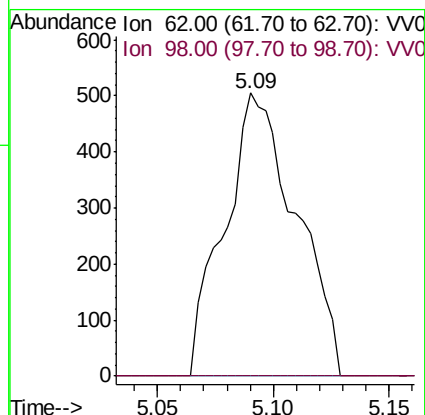
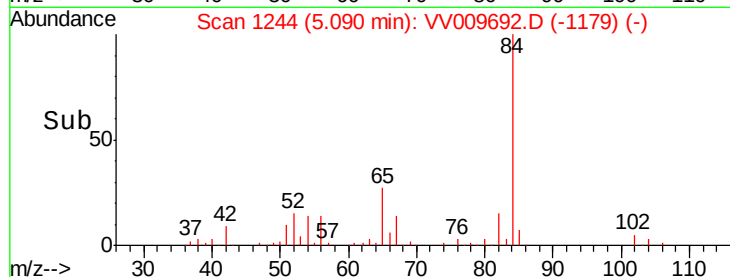


Abundance Ion 62.00 (61.70 to 62.70): VV009685.D (-1253) (-)

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

5.09

5.05 5.10 5.15



#34

Trichloroethene

Concen: 12.629 ug/L

RT: 5.96 min Scan# 1514

Delta R.T. -0.00 min

Lab File: VV009692.D

Acq: 15 Mar 2019 17:51

Tgt Ion: 95 Resp: 12963

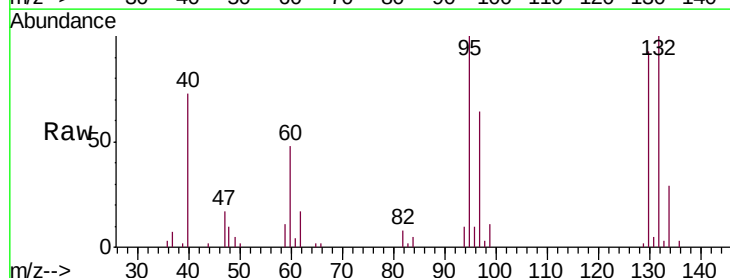
Ion Ratio Lower Upper

95 100

97 64.6 44.2 82.2

132 100.3 66.5 123.5

130 93.7 67.8 125.8



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

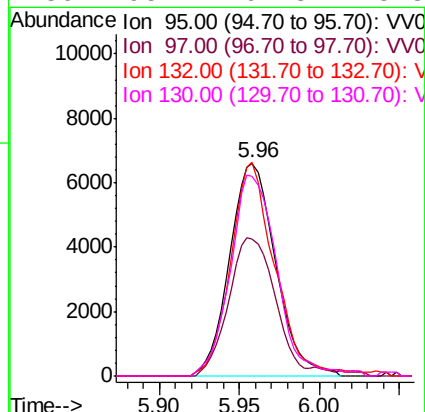
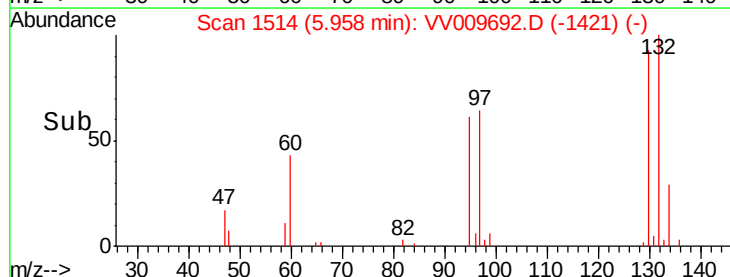
Ion 97.00 (96.70 to 97.70): VV009685.D (-1501) (-)

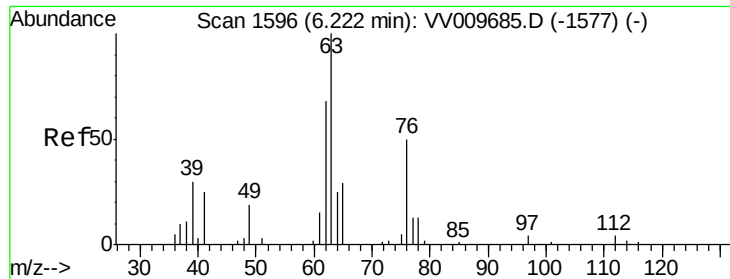
Ion 132.00 (131.70 to 132.70): VV009685.D (-1501) (-)

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

5.96

5.90 5.95 6.00

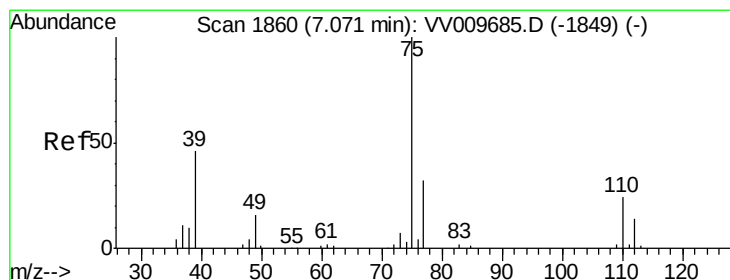
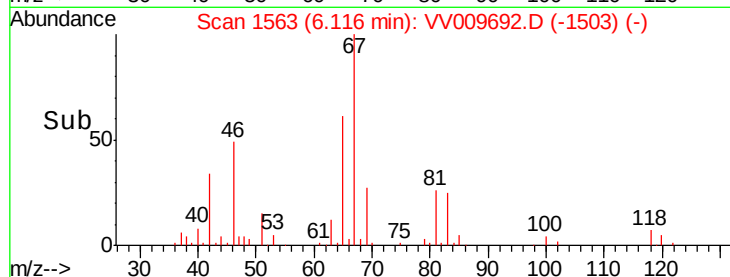
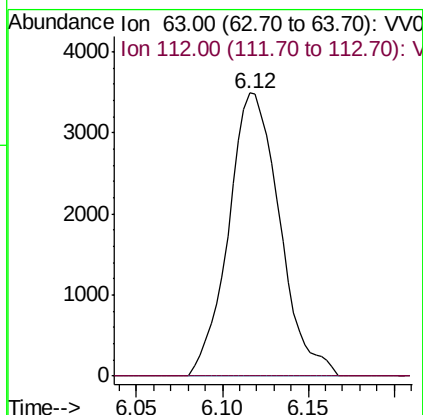
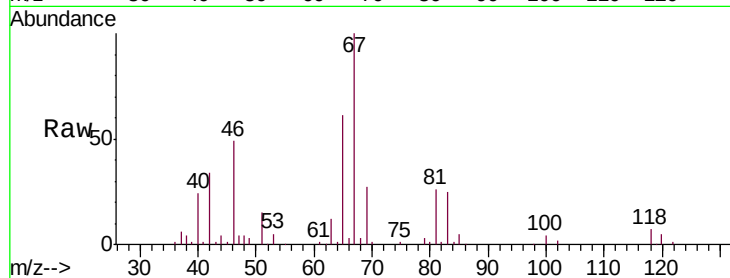




#37
 1,2-Dichloropropane
 Concen: 7.382 ug/L
 RT: 6.12 min Scan# 1563
 Delta R.T. -0.11 min
 Lab File: VV009692.D
 Acq: 15 Mar 2019 17:51

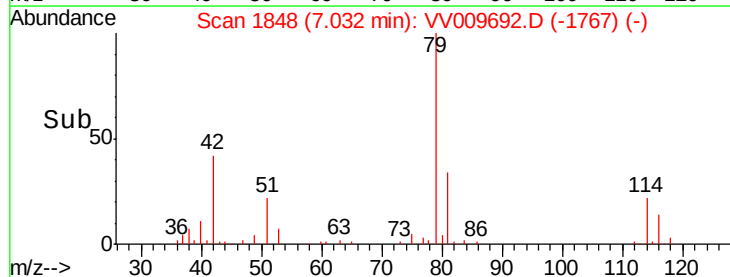
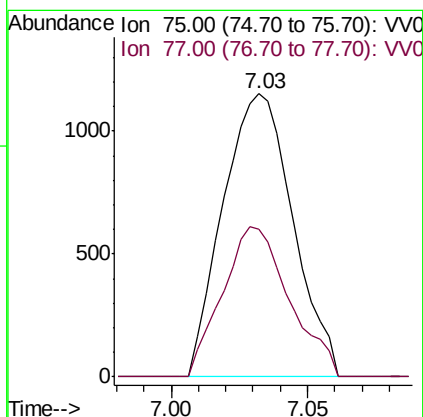
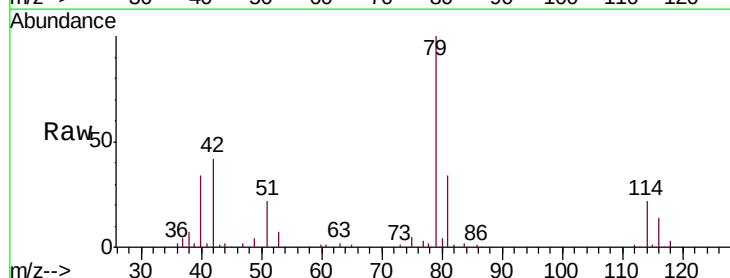
Instrument :
 MSVOA_V
 ClientSampleId :
 BF0T2

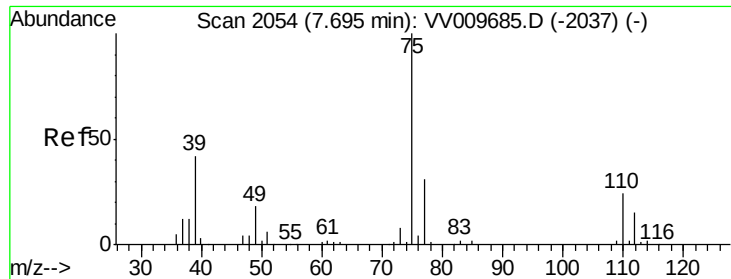
Tgt Ion: 63 Resp: 7236
 Ion Ratio Lower Upper
 63 100
 112 0.0 3.4 5.0#



#39
 cis-1,3-Dichloropropene
 Concen: 1.308 ug/L
 RT: 7.03 min Scan# 1848
 Delta R.T. -0.04 min
 Lab File: VV009692.D
 Acq: 15 Mar 2019 17:51

Tgt Ion: 75 Resp: 2044
 Ion Ratio Lower Upper
 75 100
 77 52.3 22.3 41.5#





#44

trans-1,3-Dichloropropene

Concen: 0.963 ug/L

RT: 7.67 min Scan# 2046

Delta R.T. -0.03 min

Lab File: VV009692.D

Acq: 15 Mar 2019 17:51

Instrument :

MSVOA_V

ClientSampleId :

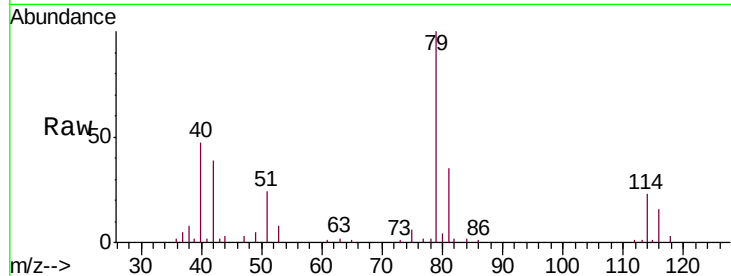
BF0T2

Tgt Ion: 75 Resp: 1413

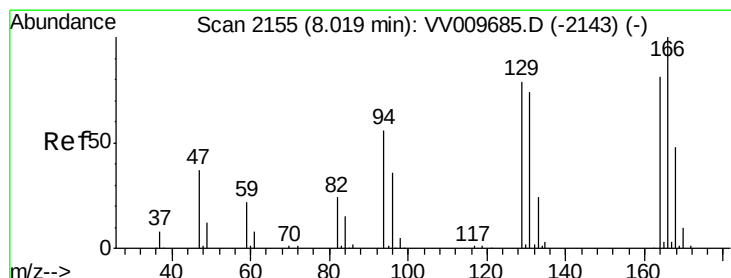
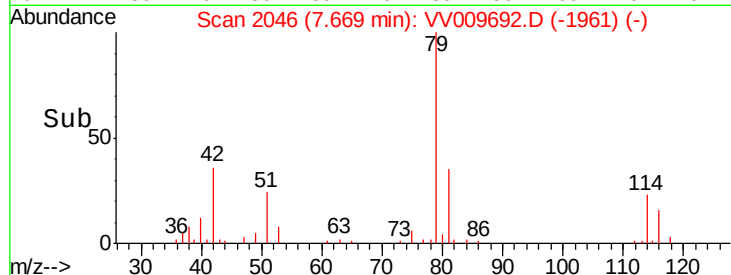
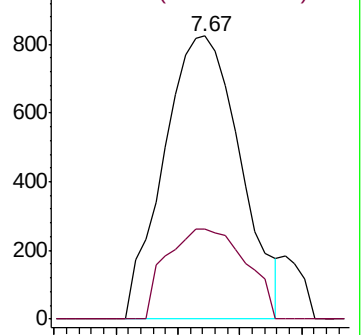
Ion Ratio Lower Upper

75 100

77 32.0 21.6 40.2



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



#46

Tetrachloroethene

Concen: 23.317 ug/L

RT: 8.02 min Scan# 2155

Delta R.T. -0.00 min

Lab File: VV009692.D

Acq: 15 Mar 2019 17:51

Tgt Ion: 164 Resp: 18817

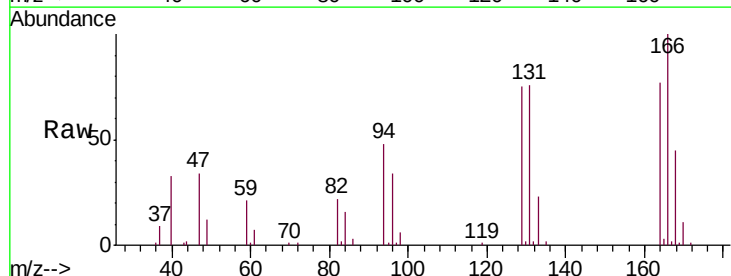
Ion Ratio Lower Upper

164 100

129 97.0 70.8 131.6

131 99.1 68.3 126.9

166 130.1 89.5 166.3

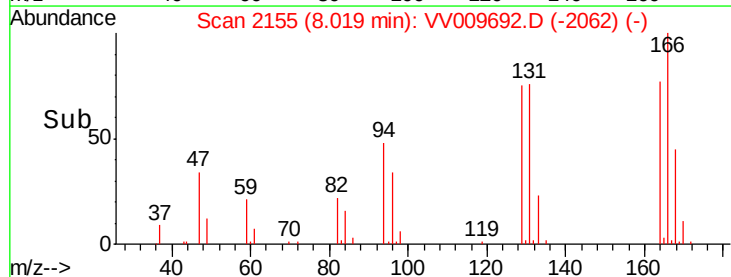
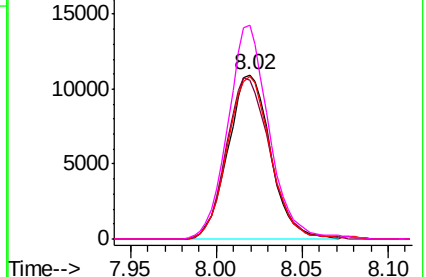


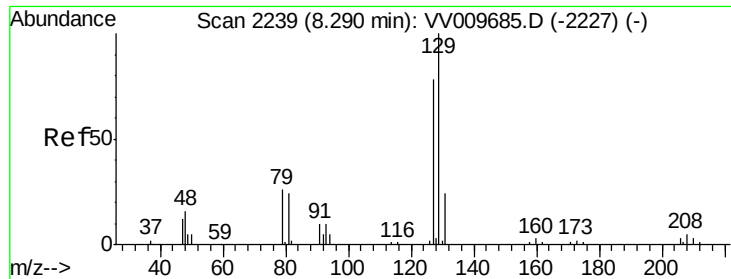
Abundance Ion 164.00 (163.70 to 164.70): VV009685.D (-2143) (-)

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) (-)





#49

Dibromochloromethane

Concen: 16.362 ug/L

RT: 8.02 min Scan# 2154

Delta R.T. -0.27 min

Lab File: VV009692.D

Acq: 15 Mar 2019 17:51

Instrument :

MSVOA_V

ClientSampleId :

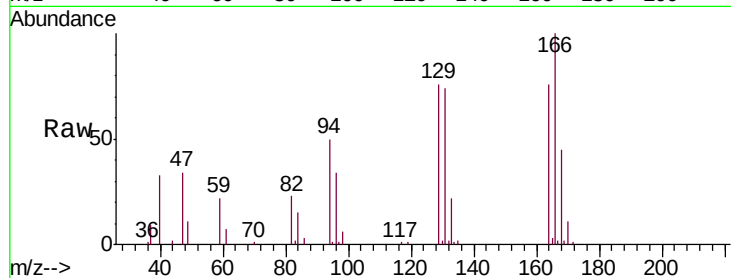
BF0T2

Tgt Ion:129 Resp: 18412

Ion Ratio Lower Upper

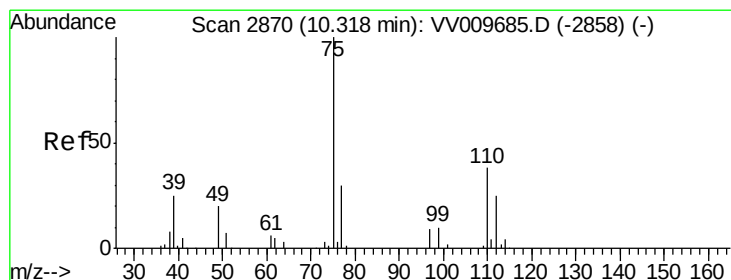
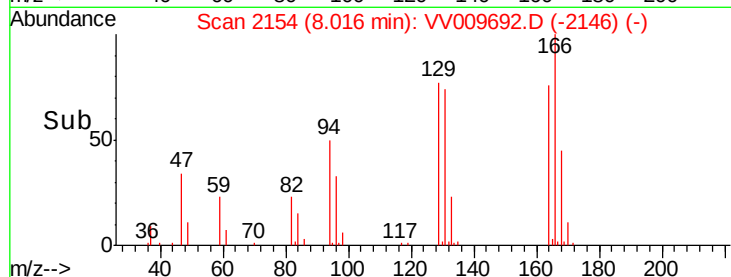
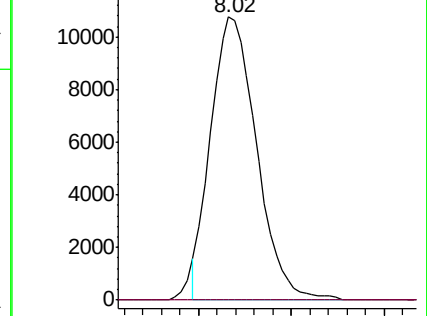
129 100

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: 7.333 ug/L

RT: 11.30 min Scan# 3175

Delta R.T. 0.98 min

Lab File: VV009692.D

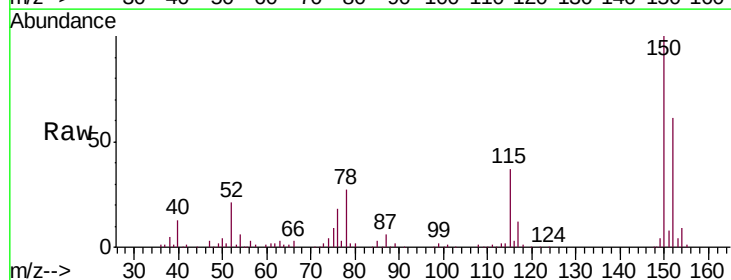
Acq: 15 Mar 2019 17:51

Tgt Ion: 75 Resp: 9746

Ion Ratio Lower Upper

75 100

77 33.3 26.6 40.0



Abundance Ion 75.00 (74.70 to 75.70): VV0

Ion 77.00 (76.70 to 77.70): VV0

