

Data File : VV009612.D
Acq On : 12 Mar 2019 18:41
Operator : SY/MD
Sample : K1789-20RE
Misc : 5.67g/5.0mL/100uL/5.0mL/MSVOA_V/MEOH
ALS Vial : 14 Sample Multiplier: 1

Instrument :
MSVOA_V
ClientSampleId :
BF0Q3

Quant Time: Mar 13 02:23:12 2019
Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_V\METHOD\SOMVLM031219WMA.M
Quant Title : VOC Analysis
QLast Update : Wed Mar 13 02:20:07 2019
Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Difluorobenzene	5.66	114	287336	50.00	ug/L	0.00
28) Chlorobenzene-d5	8.90	117	294732	50.00	ug/L	0.00
60) 1,4-Dichlorobenzene-d4	11.30	152	136506	50.00	ug/L	0.00

System Monitoring Compounds

4) Vinyl Chloride-d3	1.32	65	73524	43.23	ug/L	0.00
Spiked Amount	50.000	Range	60 - 135	Recovery	=	86.46%
7) Chloroethane-d5	1.55	69	45959	25.96	ug/L	-0.03
Spiked Amount	50.000	Range	70 - 130	Recovery	=	51.92%#
11) 1,1-Dichloroethene-d2	2.11	63	160967	35.88	ug/L	-0.02
Spiked Amount	50.000	Range	60 - 125	Recovery	=	71.76%
21) 2-Butanone-d5	3.94	46	120598	95.96	ug/L	0.01
Spiked Amount	100.000	Range	40 - 130	Recovery	=	95.96%
24) Chloroform-d	4.40	84	172432	46.42	ug/L	0.00
Spiked Amount	50.000	Range	70 - 125	Recovery	=	92.84%
26) 1,2-Dichloroethane-d4	5.08	65	120046	48.84	ug/L	0.00
Spiked Amount	50.000	Range	70 - 125	Recovery	=	97.68%
32) Benzene-d6	5.09	84	351644	45.88	ug/L	0.00
Spiked Amount	50.000	Range	70 - 125	Recovery	=	91.76%
36) 1,2-Dichloropropane-d6	6.12	67	109266	47.68	ug/L	0.00
Spiked Amount	50.000	Range	70 - 120	Recovery	=	95.36%
41) Toluene-d8	7.36	98	349751	46.84	ug/L	0.00
Spiked Amount	50.000	Range	80 - 120	Recovery	=	93.68%
43) trans-1,3-Dichloropropene-	7.67	79	55218	46.65	ug/L	0.00
Spiked Amount	50.000	Range	60 - 125	Recovery	=	93.30%
47) 2-Hexanone-d5	8.14	63	101380	101.15	ug/L	0.01
Spiked Amount	100.000	Range	45 - 130	Recovery	=	101.15%
57) 1,1,2,2-Tetrachloroethane-	10.27	84	174075	47.29	ug/L	0.00
Spiked Amount	50.000	Range	65 - 120	Recovery	=	94.58%
64) 1,2-Dichlorobenzene-d4	11.68	152	134215	46.61	ug/L	0.00
Spiked Amount	50.000	Range	80 - 120	Recovery	=	93.22%

Target Compounds

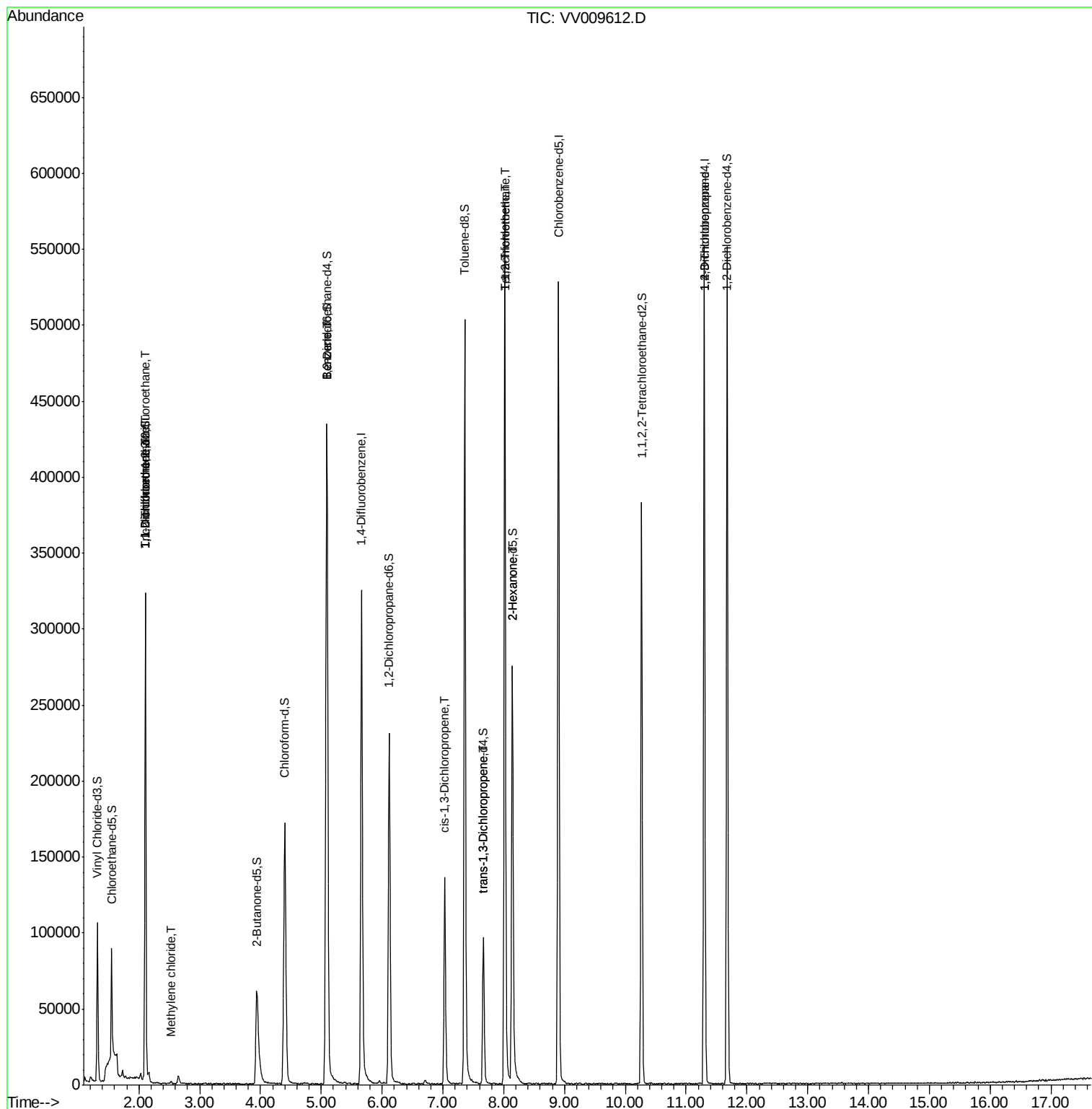
					Qvalue
9) Trichlorofluoromethane	2.11	101	1523	0.388 ug/L #	44
10) 1,1,2-Trichloro-1,2,2-trif	2.11	101	1523	0.700 ug/L #	19
12) 1,1-Dichloroethene	2.11	96	1154	0.620 ug/L #	1
16) Methylene chloride	2.53	84	607	0.335 ug/L	92
33) Benzene	5.10	78	3030	0.410 ug/L	100
39) cis-1,3-Dichloropropene	7.03	75	4489	1.494 ug/L #	65
44) trans-1,3-Dichloropropene	7.67	75	3282	1.163 ug/L #	81
45) 1,1,2-Trichloroethane	8.02	97	1267	0.652 ug/L #	27
46) Tetrachloroethene	8.02	164	118108	76.092 ug/L	99
48) 2-Hexanone	8.14	43	11756	5.822 ug/L #	69
59) 1,2,3-Trichloropropane	11.30	75	18452	7.218 ug/L	88

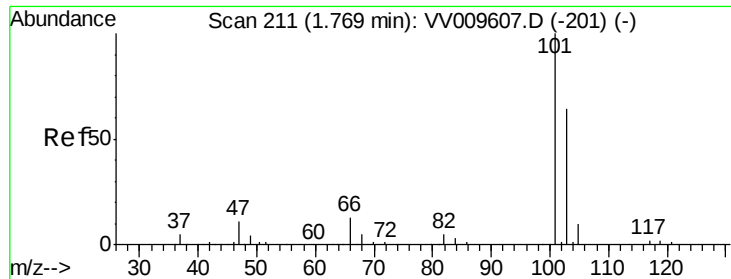
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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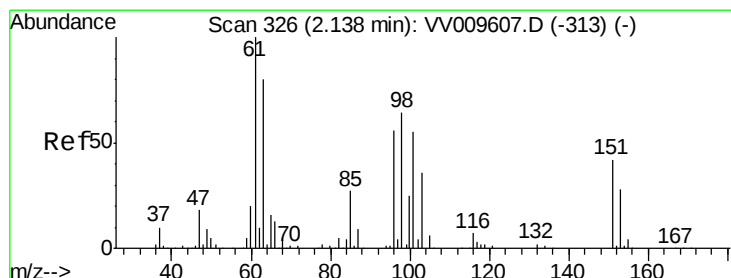
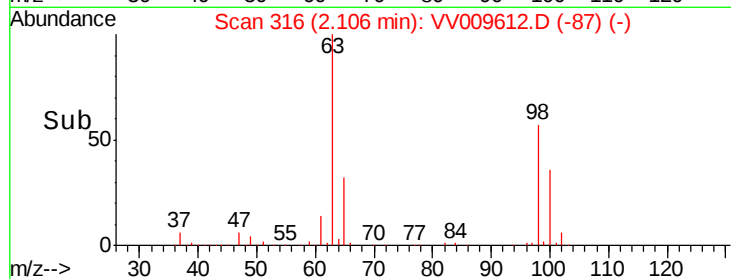
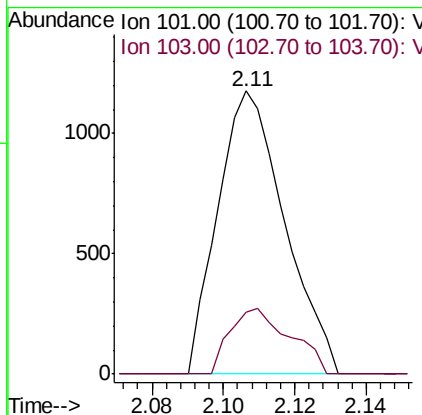
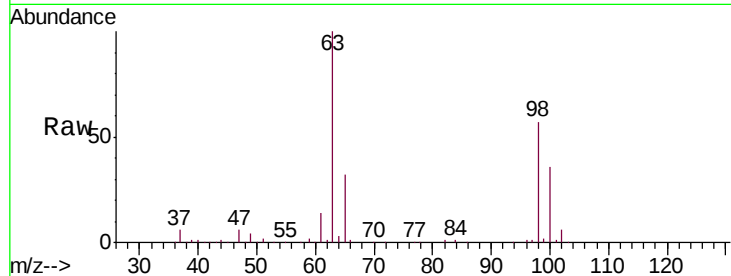


#9

Trichlorofluoromethane
 Concen: 0.388 ug/L
 RT: 2.11 min Scan# 316
 Delta R.T. 0.34 min
 Lab File: VV009612.D
 Acq: 12 Mar 2019 18:41

Instrument :
 MSVOA_V
 ClientSampleId :
 BF0Q3

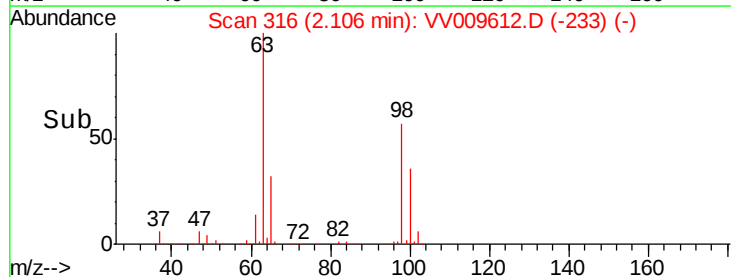
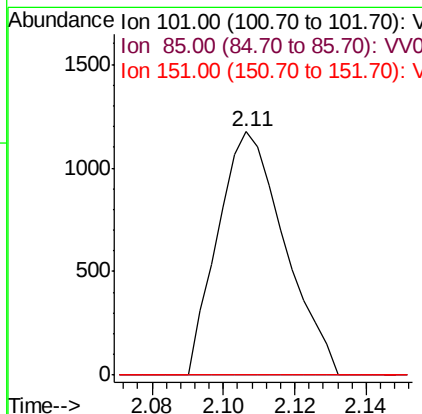
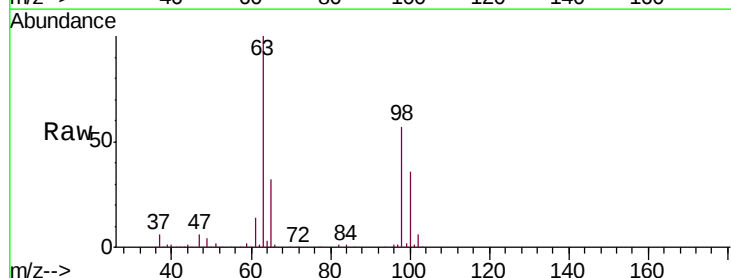
Tgt Ion:101 Resp: 1523
 Ion Ratio Lower Upper
 101 100
 103 20.9 51.8 77.6#

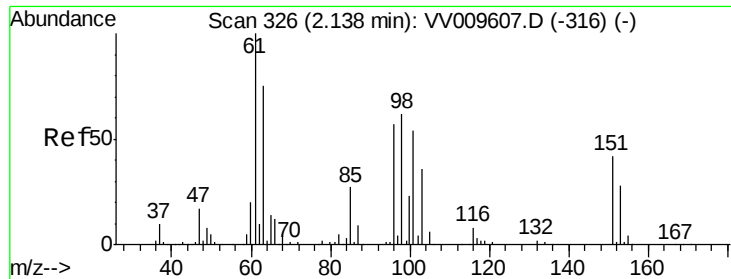


#10

1,1,2-Trichloro-1,2,2-trifluoroethane
 Concen: 0.700 ug/L
 RT: 2.11 min Scan# 316
 Delta R.T. -0.03 min
 Lab File: VV009612.D
 Acq: 12 Mar 2019 18:41

Tgt Ion:101 Resp: 1523
 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: 0.620 ug/L

RT: 2.11 min Scan# 316

Delta R.T. -0.03 min

Lab File: VV009612.D

Acq: 12 Mar 2019 18:41

Instrument :

MSVOA_V

ClientSampleId :

BF0Q3

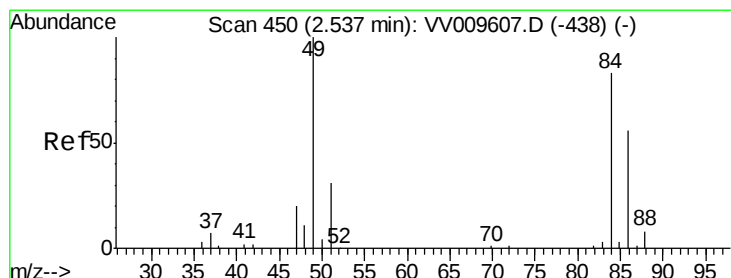
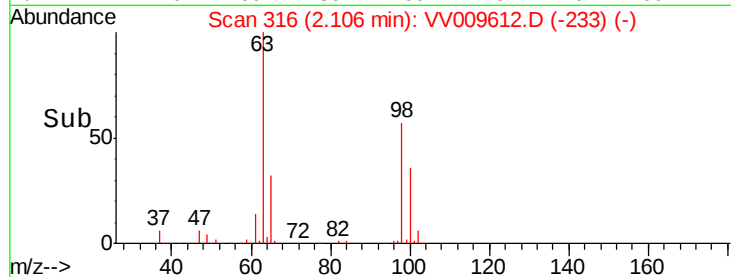
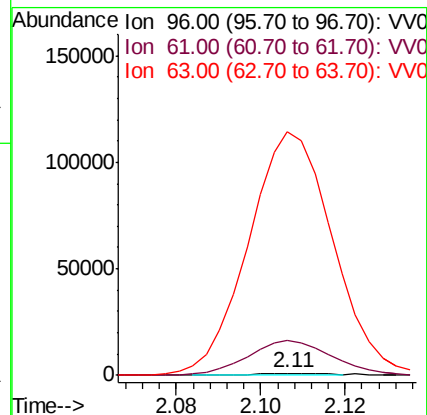
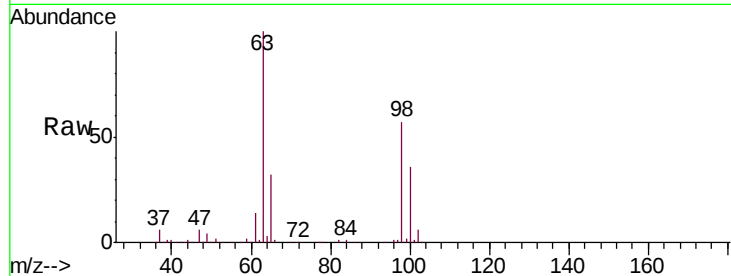
Tgt Ion: 96 Resp: 1154

Ion Ratio Lower Upper

96 100

61 2059.0 122.1 226.7#

63 14525.0 107.6 199.8#



#16

Methylene chloride

Concen: 0.335 ug/L

RT: 2.53 min Scan# 449

Delta R.T. -0.00 min

Lab File: VV009612.D

Acq: 12 Mar 2019 18:41

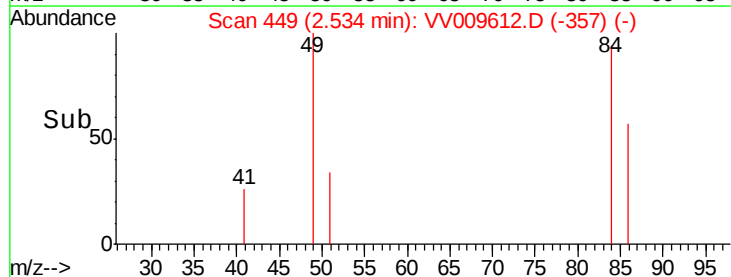
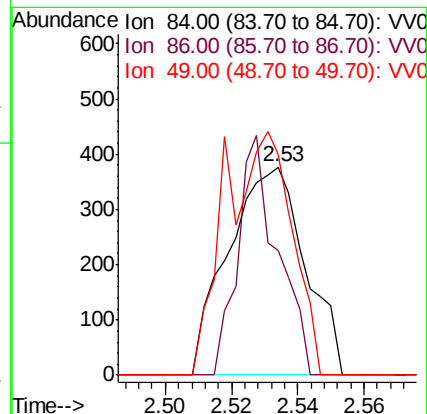
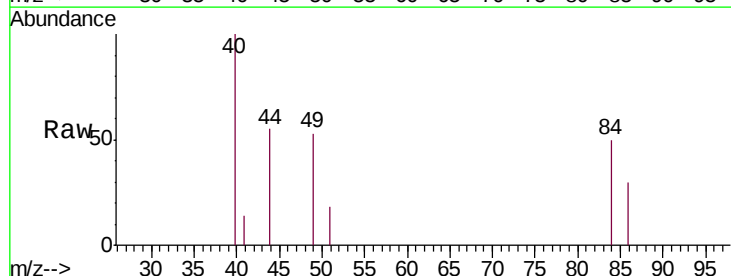
Tgt Ion: 84 Resp: 607

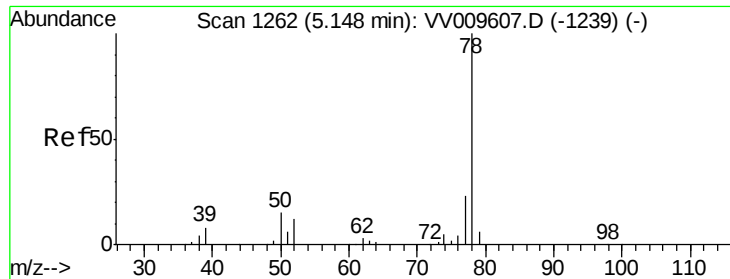
Ion Ratio Lower Upper

84 100

86 59.9 44.0 81.6

49 105.8 82.0 152.4





#33

Benzene

Concen: 0.410 ug/L

RT: 5.10 min Scan# 1246

Delta R.T. -0.05 min

Lab File: VV009612.D

Acq: 12 Mar 2019 18:41

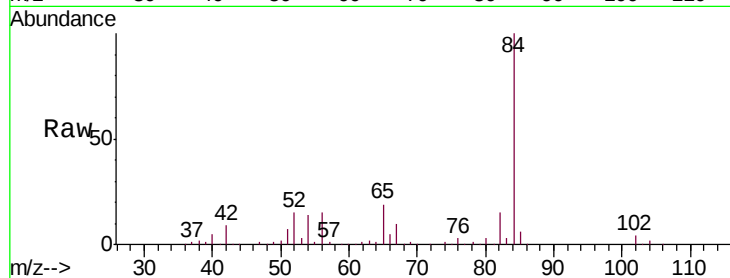
Instrument :

MSVOA_V

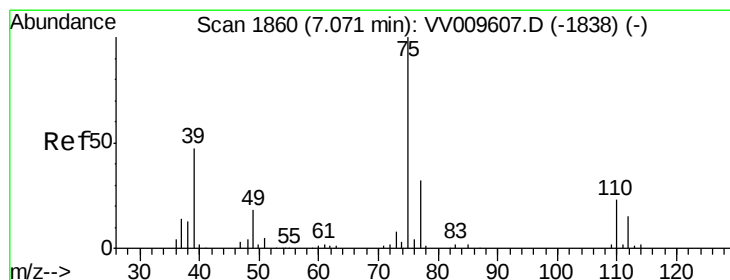
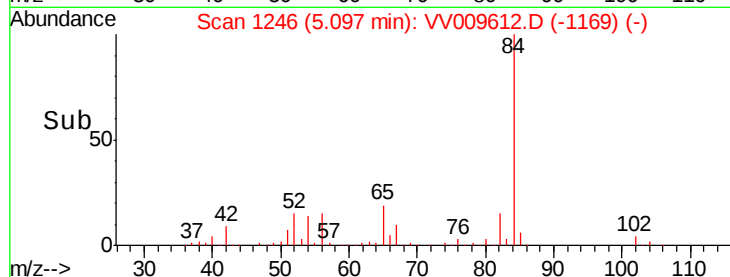
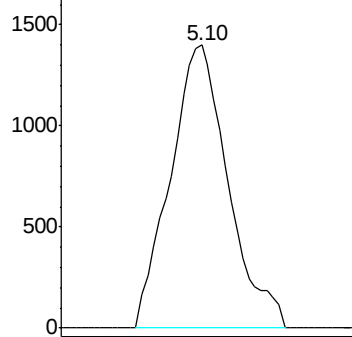
ClientSampled :

BF0Q3

Tgt Ion: 78 Resp: 3030



Abundance Ion 78.00 (77.70 to 78.70): VV0



#39

cis-1,3-Dichloropropene

Concen: 1.494 ug/L

RT: 7.03 min Scan# 1848

Delta R.T. -0.04 min

Lab File: VV009612.D

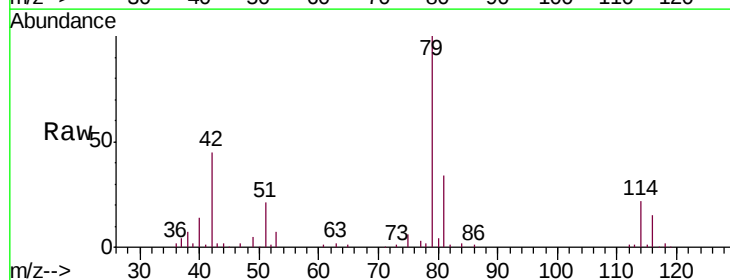
Acq: 12 Mar 2019 18:41

Tgt Ion: 75 Resp: 4489

Ion Ratio Lower Upper

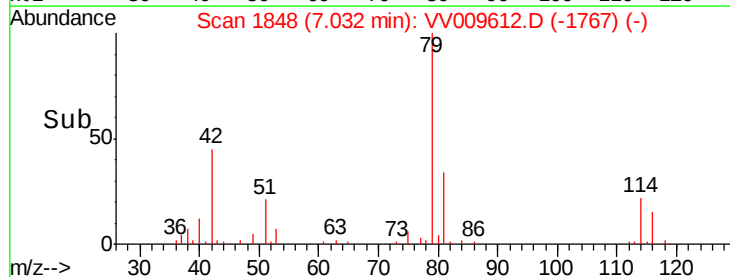
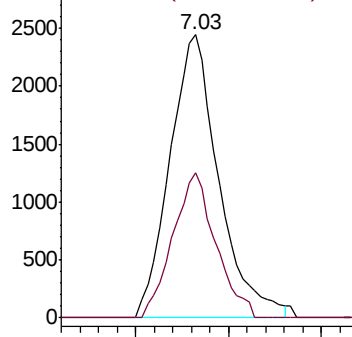
75 100

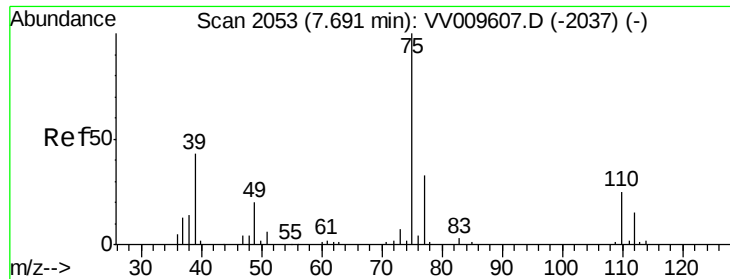
77 51.2 22.3 41.5#



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: 1.163 ug/L

RT: 7.67 min Scan# 2045

Delta R.T. -0.03 min

Lab File: VV009612.D

Acq: 12 Mar 2019 18:41

Instrument :

MSVOA_V

ClientSampleId :

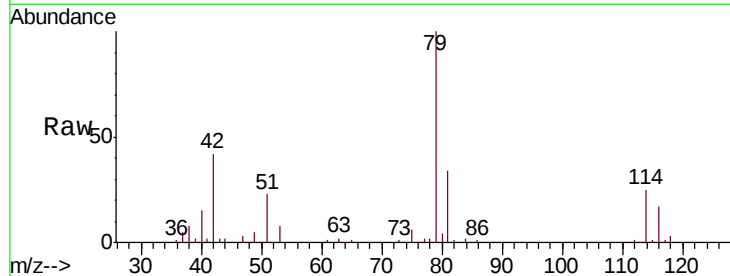
BF0Q3

Tgt Ion: 75 Resp: 3282

Ion Ratio Lower Upper

75 100

77 41.5 21.6 40.2#



Abundance Ion 75.00 (74.70 to 75.70): VV009607.D (-2037) (-)

Ion 77.00 (76.70 to 77.70): VV009607.D (-2037) (-)

7.67

2000

1500

1000

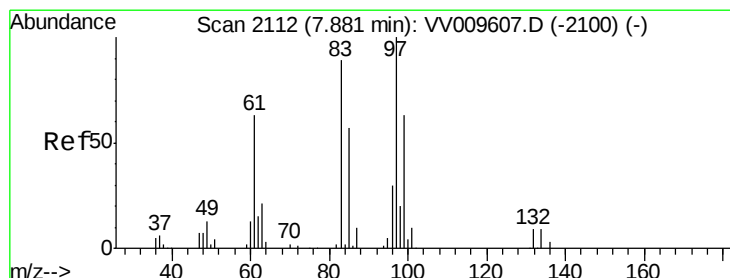
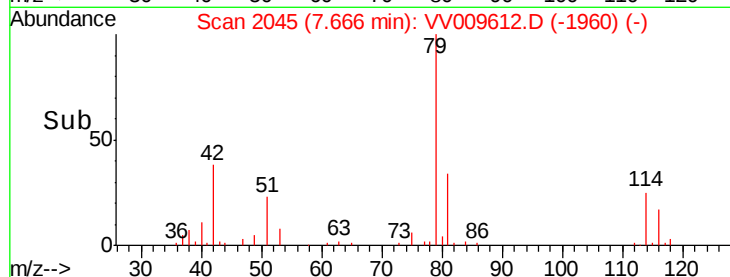
500

0

7.65

7.70

Time-->



#45

1,1,2-Trichloroethane

Concen: 0.652 ug/L

RT: 8.02 min Scan# 2154

Delta R.T. 0.14 min

Lab File: VV009612.D

Acq: 12 Mar 2019 18:41

Tgt Ion: 97 Resp: 1267

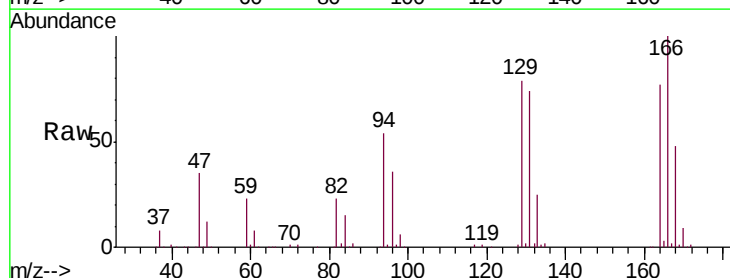
Ion Ratio Lower Upper

97 100

99 15.7 44.0 81.8#

83 201.9 61.5 114.3#

85 49.2 41.0 76.2



Abundance Ion 97.00 (96.70 to 97.70): VV009607.D (-2100) (-)

Ion 99.00 (98.70 to 99.70): VV009607.D (-2100) (-)

Ion 83.00 (82.70 to 83.70): VV009607.D (-2100) (-)

Ion 85.00 (84.70 to 85.70): VV009607.D (-2100) (-)

2500

2000

1500

1000

500

0

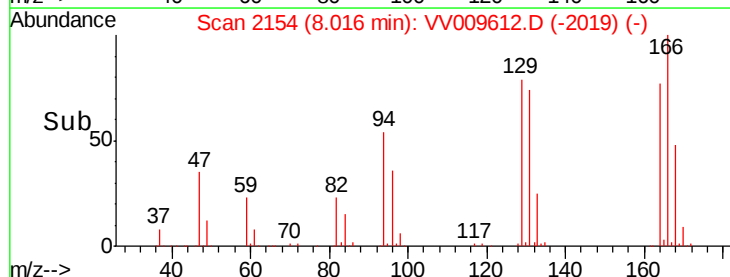
7.98

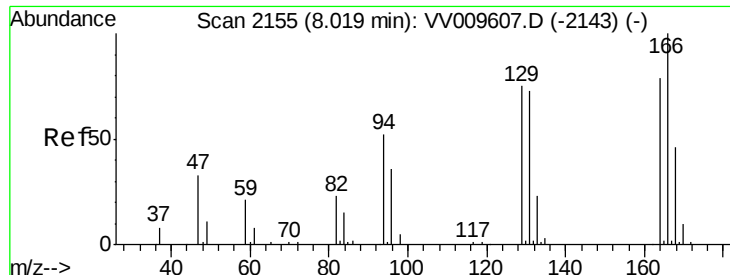
8.00

8.02

8.04

Time-->





#46

Tetrachloroethene

Concen: 76.092 ug/L

RT: 8.02 min Scan# 2155

Delta R.T. 0.00 min

Lab File: VV009612.D

Acq: 12 Mar 2019 18:41

Instrument :

MSVOA_V

ClientSampled :

BF0Q3

Tgt Ion:164 Resp: 118108

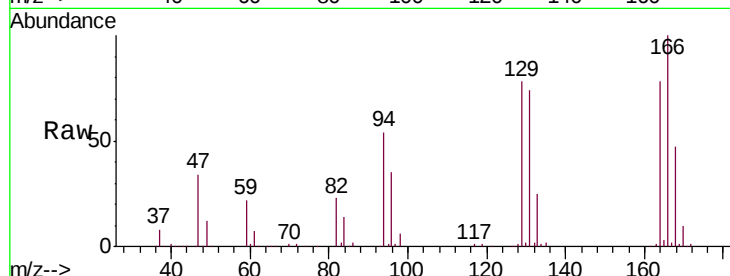
Ion Ratio Lower Upper

164 100

129 101.0 70.8 131.6

131 95.5 68.3 126.9

166 128.9 89.5 166.3

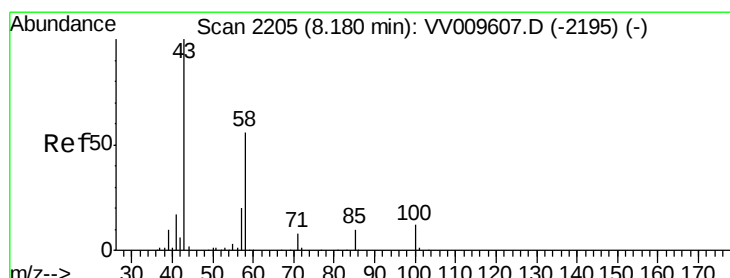
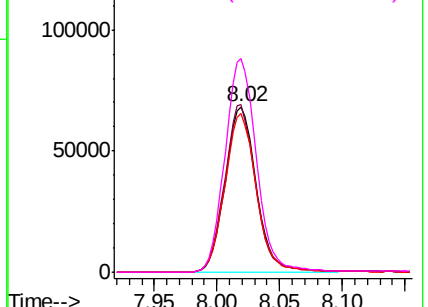
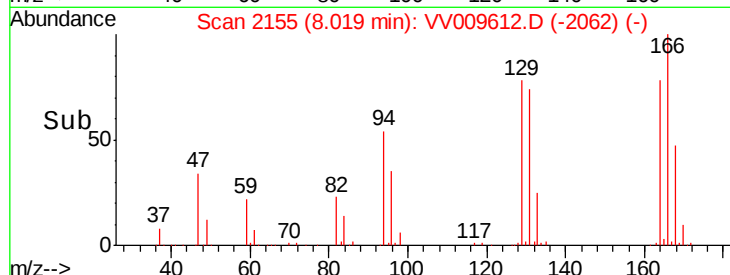


Abundance Ion 164.00 (163.70 to 164.70): V

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: 5.822 ug/L

RT: 8.14 min Scan# 2193

Delta R.T. -0.04 min

Lab File: VV009612.D

Acq: 12 Mar 2019 18:41

Tgt Ion: 43 Resp: 11756

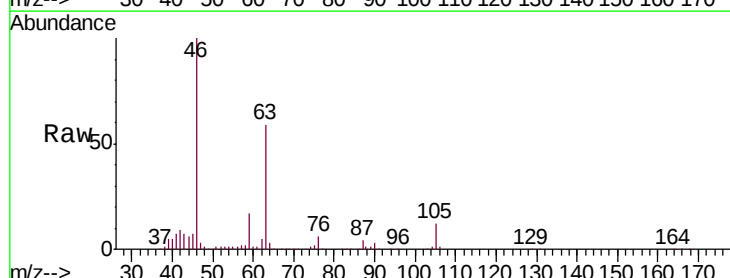
Ion Ratio Lower Upper

43 100

58 30.9 45.8 68.8#

57 25.3 14.5 21.7#

100 0.0 9.8 14.8#

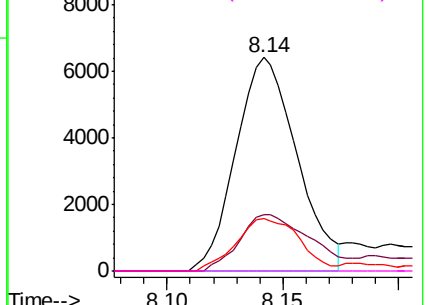
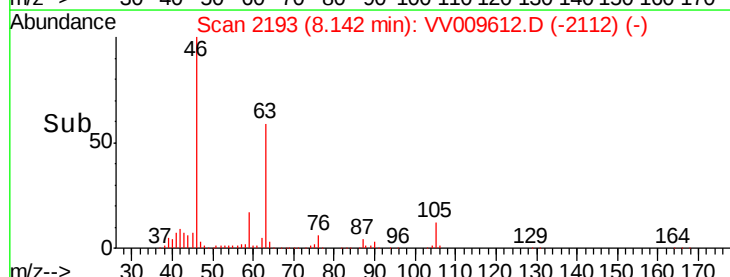


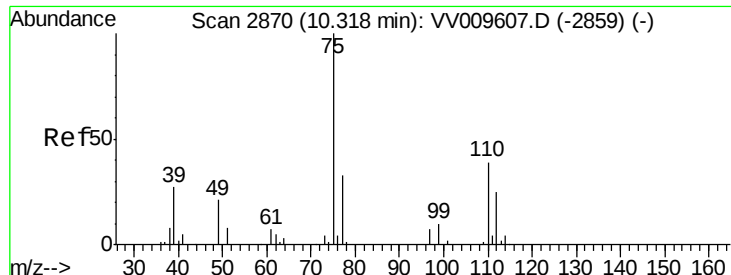
Abundance Ion 43.00 (42.70 to 43.70): VV0

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: 7.218 ug/L

RT: 11.30 min Scan# 3175

Delta R.T. 0.98 min

Lab File: VV009612.D

Acq: 12 Mar 2019 18:41

Instrument :

MSVOA_V

ClientSampleId :

BF0Q3

Tgt Ion: 75 Resp: 18452

Ion Ratio Lower Upper

75 100

77 39.9 26.6 40.0

