

Data Path : Z:\voasrv\HPCHEM1\MSVOA V\Data\VV031220\
 Data File : VV014862.D
 Acq On : 12 Mar 2020 12:51
 Operator : SY/MD
 Sample : L1858-09
 Misc : 5.0mL/MSVOA V/WATER
 ALS Vial : 4 Sample Multiplier: 1

Instrument :
 MSVOA_V
 ClientSampleId :
 BFRF9

Quant Time: Mar 12 13:20:13 2020
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_V\METHOD\SOMVLM030620WMA.M
 Quant Title : VOC Analysis
 QLast Update : Thu Mar 12 12:52:44 2020
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Difluorobenzene	5.64	114	415440	50.00	ug/L	0.00
28) Chlorobenzene-d5	8.87	117	401163	50.00	ug/L	0.00
60) 1,4-Dichlorobenzene-d4	11.27	152	192133	50.00	ug/L	0.00

System Monitoring Compounds

4) Vinyl Chloride-d3	1.32	65	119944	42.66	ug/L	0.00
Spiked Amount	50.000	Range	60 - 135	Recovery	=	85.32%
7) Chloroethane-d5	1.58	69	93713	42.16	ug/L	0.00
Spiked Amount	50.000	Range	70 - 130	Recovery	=	84.32%
11) 1,1-Dichloroethene-d2	2.12	63	151465	32.42	ug/L	0.00
Spiked Amount	50.000	Range	60 - 125	Recovery	=	64.84%
21) 2-Butanone-d5	3.93	46	143428	68.40	ug/L	0.00
Spiked Amount	100.000	Range	40 - 130	Recovery	=	68.40%
24) Chloroform-d	4.38	84	243195	45.68	ug/L	0.00
Spiked Amount	50.000	Range	70 - 125	Recovery	=	91.36%
26) 1,2-Dichloroethane-d4	5.06	65	162754	45.01	ug/L	0.00
Spiked Amount	50.000	Range	70 - 125	Recovery	=	90.02%
32) Benzene-d6	5.08	84	497772	46.99	ug/L	0.00
Spiked Amount	50.000	Range	70 - 125	Recovery	=	93.98%
36) 1,2-Dichloropropane-d6	6.10	67	150761	42.94	ug/L	0.00
Spiked Amount	50.000	Range	70 - 120	Recovery	=	85.88%
41) Toluene-d8	7.34	98	480502	46.32	ug/L	0.00
Spiked Amount	50.000	Range	80 - 120	Recovery	=	92.64%
43) trans-1,3-Dichloropropene-	7.64	79	72289	42.17	ug/L	0.00
Spiked Amount	50.000	Range	60 - 125	Recovery	=	84.34%
47) 2-Hexanone-d5	8.12	63	136552	87.60	ug/L	0.00
Spiked Amount	100.000	Range	45 - 130	Recovery	=	87.60%
57) 1,1,2,2-Tetrachloroethane-	10.24	84	211256	43.75	ug/L	0.00
Spiked Amount	50.000	Range	65 - 120	Recovery	=	87.50%
64) 1,2-Dichlorobenzene-d4	11.65	152	195857	51.43	ug/L	0.00
Spiked Amount	50.000	Range	80 - 120	Recovery	=	102.86%

Target Compounds

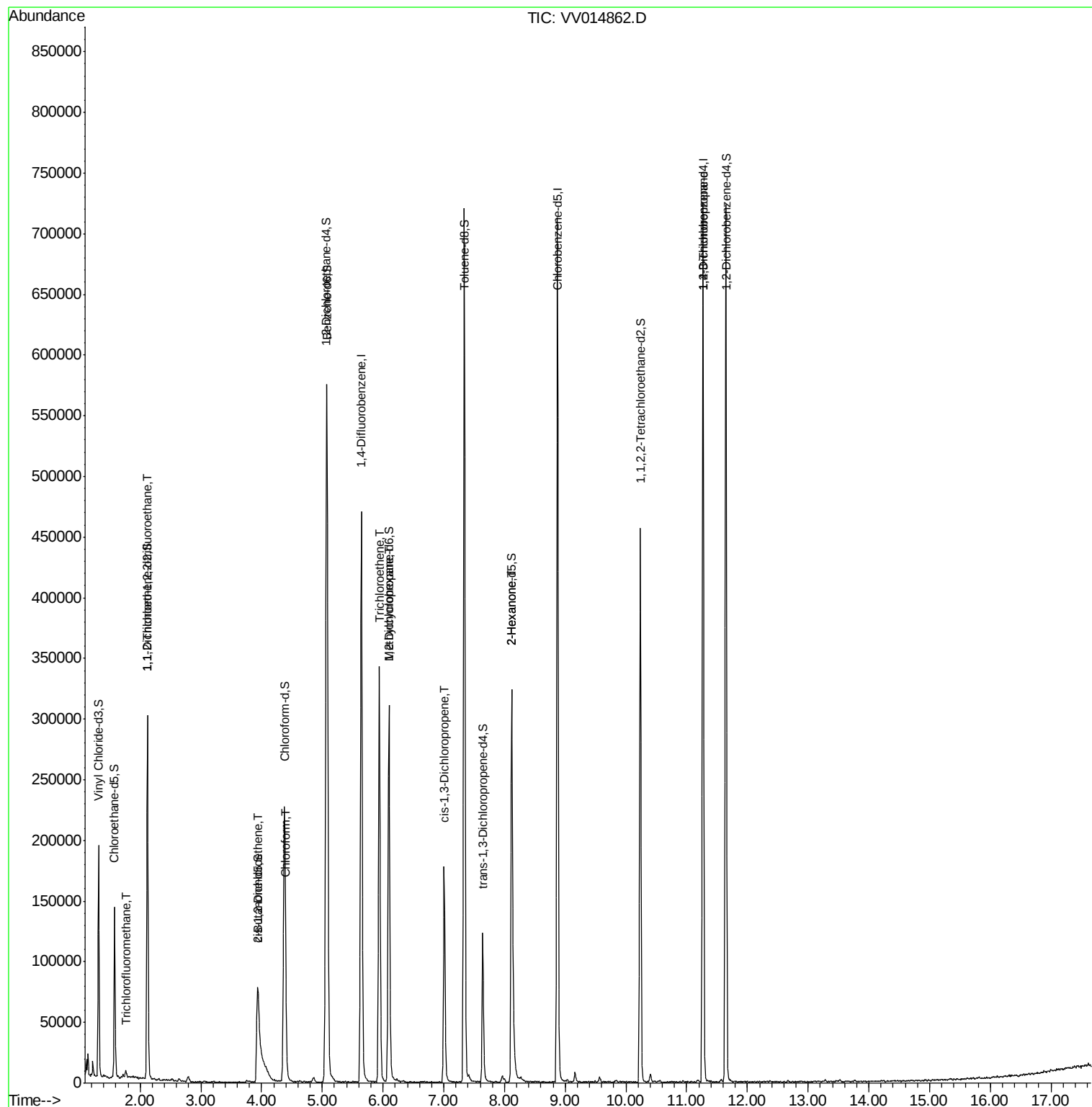
					Ovalue
9) Trichlorofluoromethane	1.76	101	3118	0.696 ug/L	89
10) 1,1,2-Trichloro-1,2,2-trif	2.12	101	2665	1.155 ug/L #	51
20) cis-1,2-Dichloroethene	3.95	96	12725	4.081 ug/L	86
25) Chloroform	4.41	83	7602	1.348 ug/L	91
34) Trichloroethene	5.94	95	117380	38.648 ug/L	95
35) Methylcyclohexane	6.09	83	38351	7.649 ug/L #	19
39) cis-1,3-Dichloropropene	7.01	75	4392	0.892 ug/L	83
48) 2-Hexanone	8.12	43	15822	4.420 ug/L #	76
59) 1,2,3-Trichloropropane	11.27	75	20035	4.995 ug/L	91

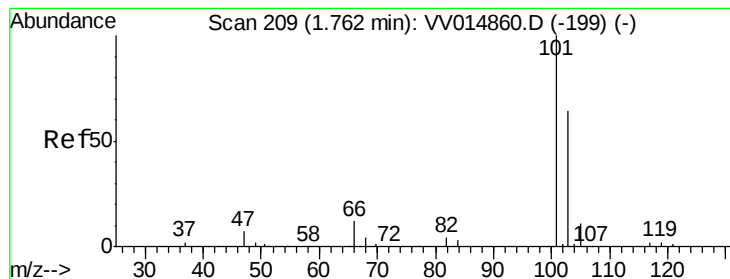
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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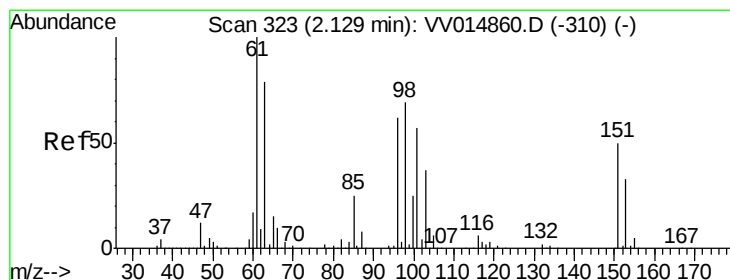
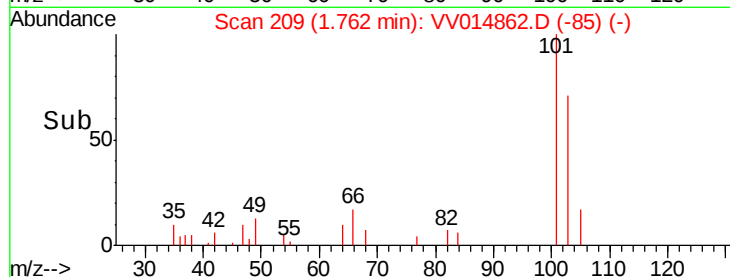
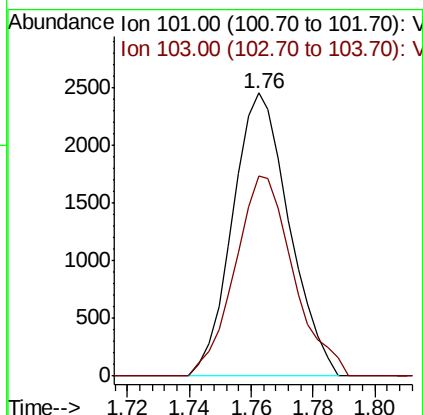
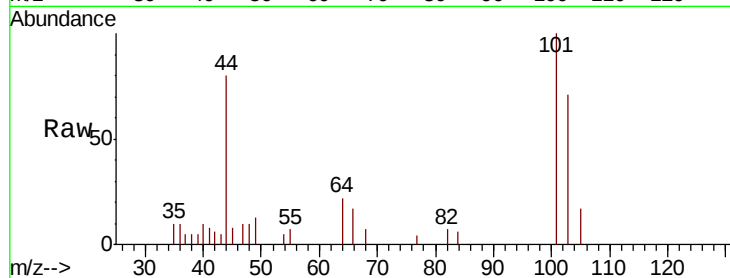


#9

Trichlorofluoromethane
 Concen: 0.696 ug/L
 RT: 1.76 min Scan# 209
 Delta R.T. -0.00 min
 Lab File: VV014862.D
 Acq: 12 Mar 2020 12:51

Instrument :
 MSVOA_V
 ClientSampled :
 BFRF9

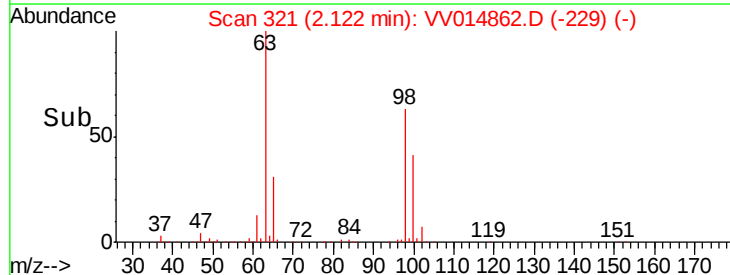
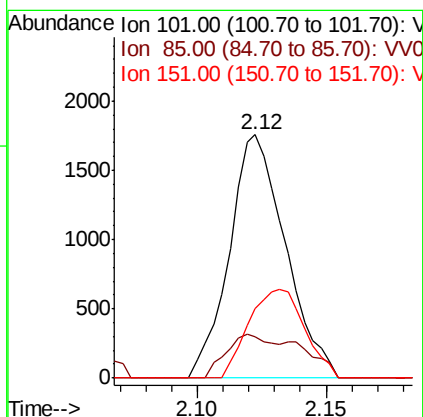
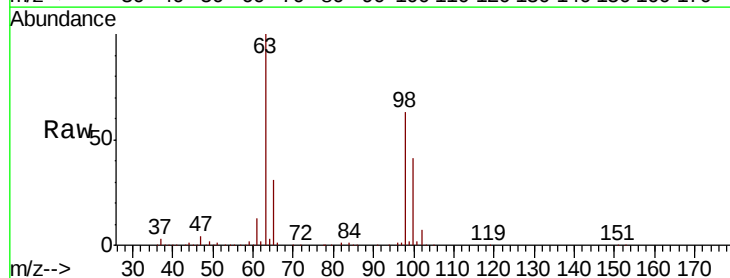
Tot Ion:101 Resp: 3118
 Ion Ratio Lower Upper
 101 100
 103 73.2 51.8 77.8

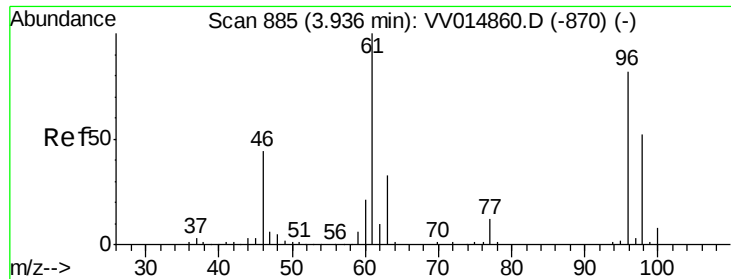


#10

1,1,2-Trichloro-1,2,2-trifluoroethane
 Concen: 1.155 ug/L
 RT: 2.12 min Scan# 321
 Delta R.T. -0.00 min
 Lab File: VV014862.D
 Acq: 12 Mar 2020 12:51

Tgt Ion:101 Resp: 2665
 Ion Ratio Lower Upper
 101 100
 85 15.5 35.0 52.6#
 151 36.4 66.4 99.6#

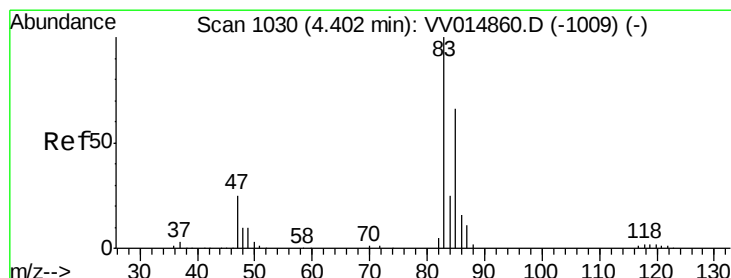
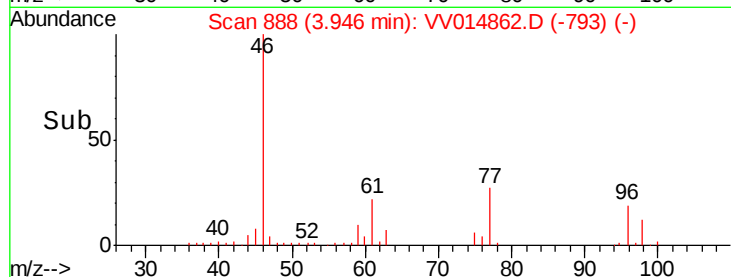
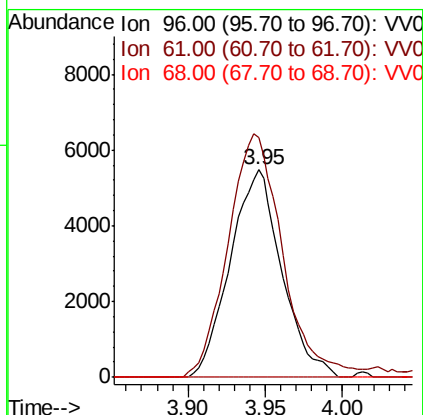
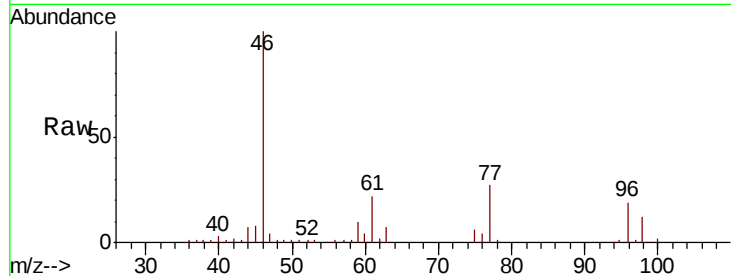




#20
 cis-1,2-Dichloroethene
 Concen: 4.081 ug/L
 RT: 3.95 min Scan# 888
 Delta R.T. 0.01 min
 Lab File: VV014862.D
 Acq: 12 Mar 2020 12:51

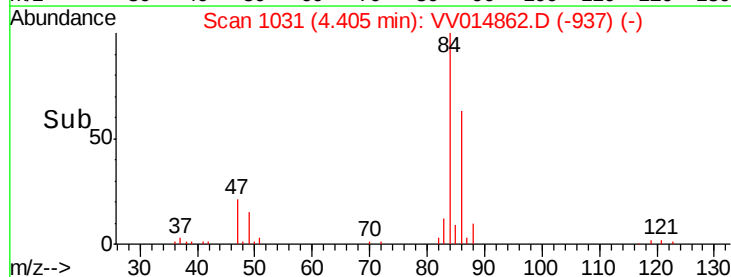
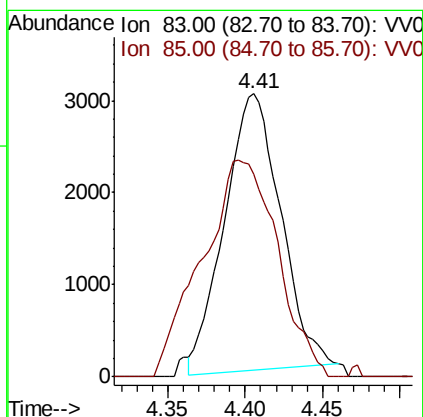
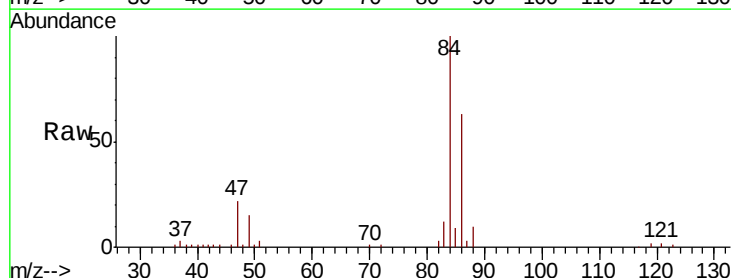
Instrument :
 MSVOA_V
 ClientSampled :
 BFRF9

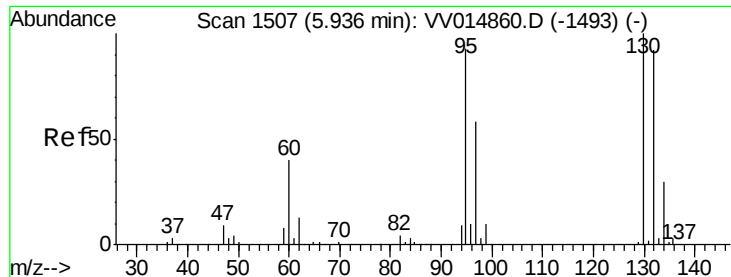
Tot Ion: 96 Resp: 12725
 Ion Ratio Lower Upper
 96 100
 61 115.4 92.2 171.2
 68 0.0 0.0 0.0



#25
 Chloroform
 Concen: 1.348 ug/L
 RT: 4.41 min Scan# 1031
 Delta R.T. 0.00 min
 Lab File: VV014862.D
 Acq: 12 Mar 2020 12:51

Tgt Ion: 83 Resp: 7602
 Ion Ratio Lower Upper
 83 100
 85 71.7 45.1 83.9





#34

Trichloroethene

Concen: 38.648 ug/L

RT: 5.94 min Scan# 1508

Delta R.T. 0.00 min

Lab File: VV014862.D

Acq: 12 Mar 2020 12:51

Instrument :

MSVOA_V

ClientSampleID :

BFRF9

Tot Ion: 95 Resp: 117380

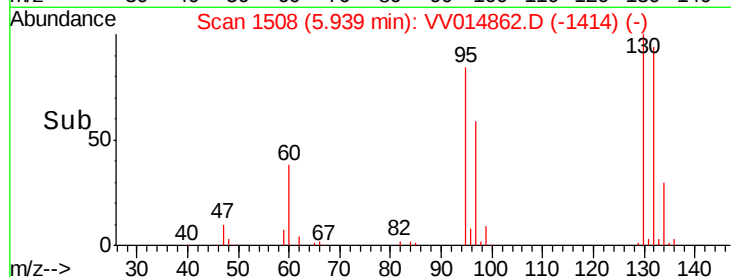
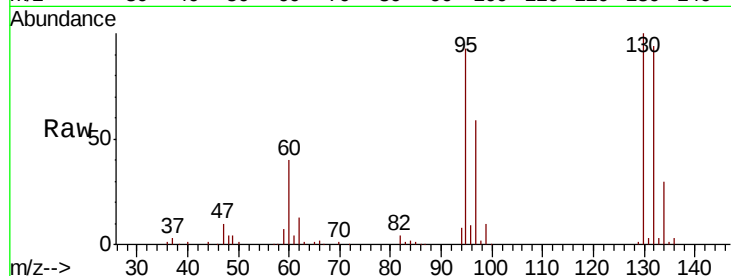
Ion Ratio Lower Upper

95 100

97 63.2 43.8 81.4

132 100.6 65.8 122.2

130 107.5 70.6 131.2



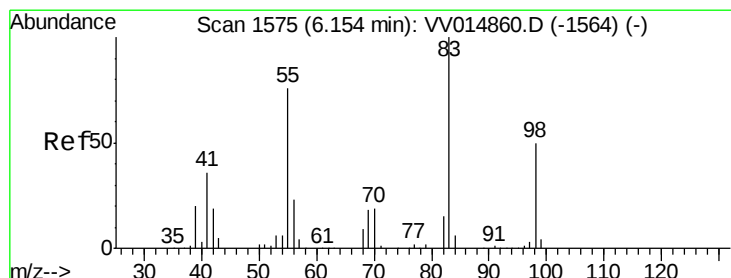
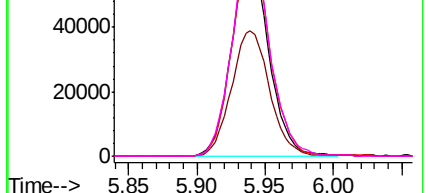
Abundance Ion 95.00 (94.70 to 95.70): VV014862.D (-1414) (-)

Ion 97.00 (96.70 to 97.70): VV014862.D (-1414) (-)

Ion 132.00 (131.70 to 132.70): VV014862.D (-1414) (-)

Ion 130.00 (129.70 to 130.70): VV014862.D (-1414) (-)

Time-->



#35

Methylcyclohexane

Concen: 7.649 ug/L

RT: 6.09 min Scan# 1556

Delta R.T. -0.06 min

Lab File: VV014862.D

Acq: 12 Mar 2020 12:51

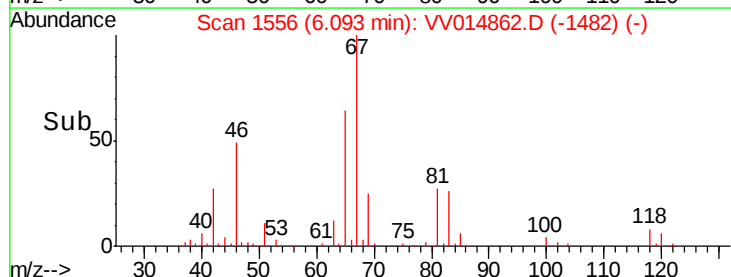
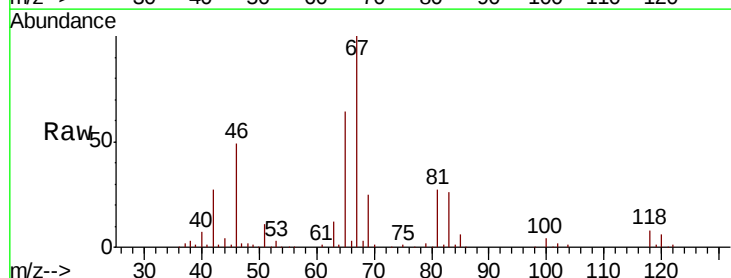
Tgt Ion: 83 Resp: 38351

Ion Ratio Lower Upper

83 100

55 1.1 63.4 95.2#

98 1.6 36.8 55.2#

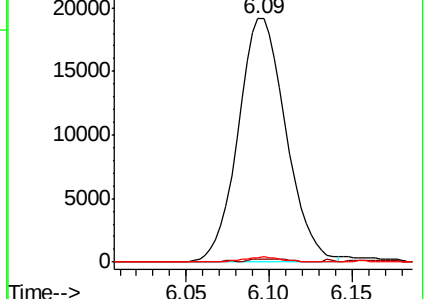


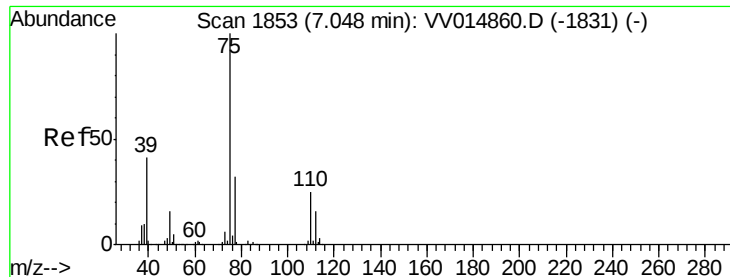
Abundance Ion 83.00 (82.70 to 83.70): VV014862.D (-1482) (-)

Ion 55.00 (54.70 to 55.70): VV014862.D (-1482) (-)

Ion 98.00 (97.70 to 98.70): VV014862.D (-1482) (-)

Time-->





#39

cis-1,3-Dichloropropene

Concen: 0.892 ug/L

RT: 7.01 min Scan# 1840

Delta R.T. -0.04 min

Lab File: VV014862.D

Acq: 12 Mar 2020 12:51

Instrument :

MSVOA_V

ClientSampleId :

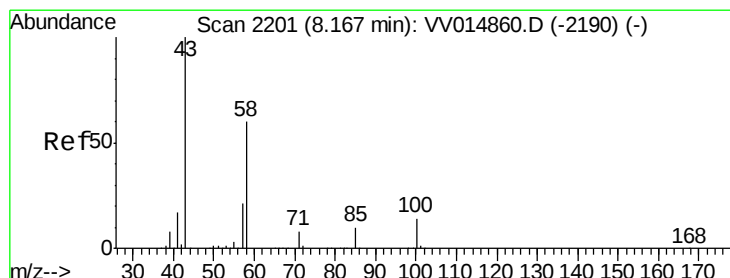
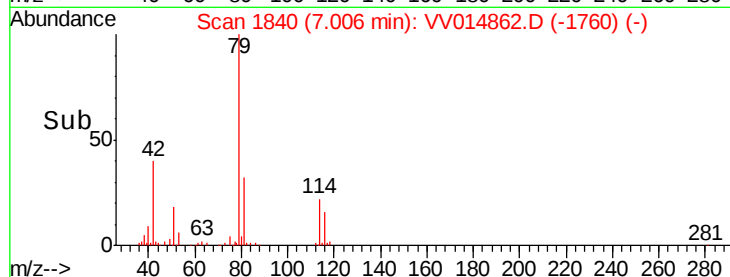
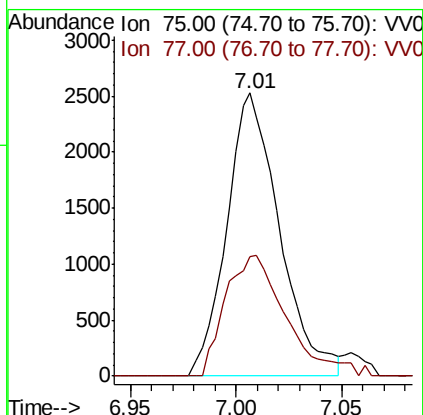
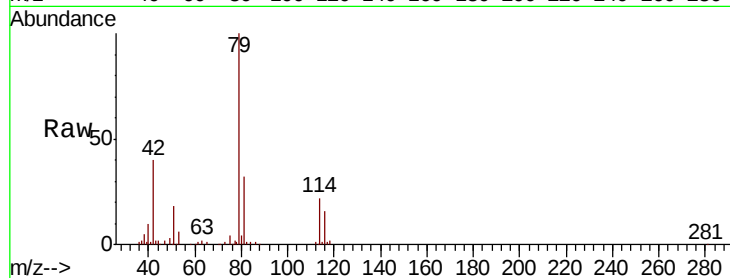
BFRF9

Tot Ion: 75 Resp: 4392

Ion Ratio Lower Upper

75 100

77 42.2 22.8 42.4



#48

2-Hexanone

Concen: 4.420 ug/L

RT: 8.12 min Scan# 2186

Delta R.T. -0.05 min

Lab File: VV014862.D

Acq: 12 Mar 2020 12:51

Tgt Ion: 43 Resp: 15822

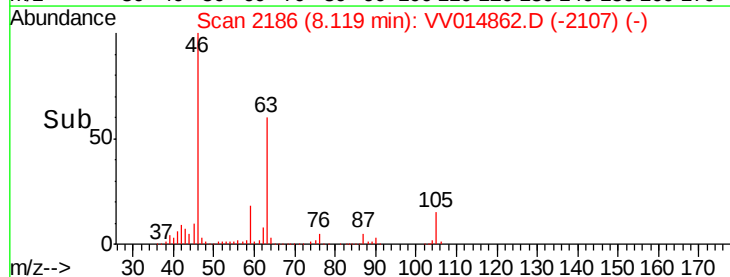
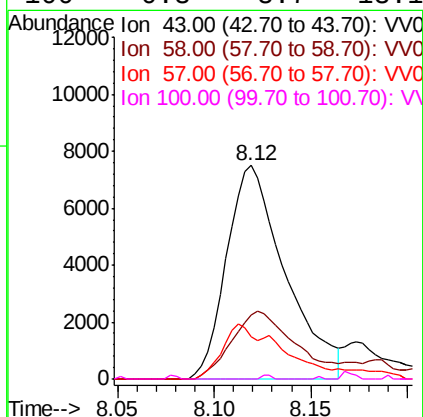
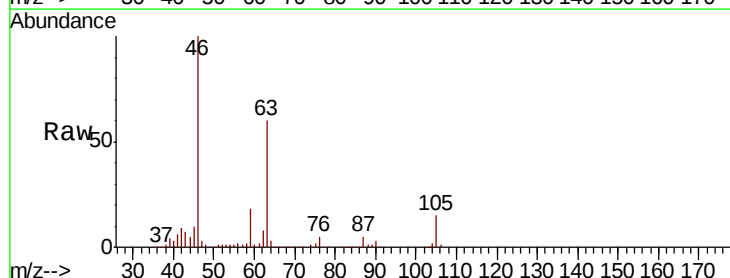
Ion Ratio Lower Upper

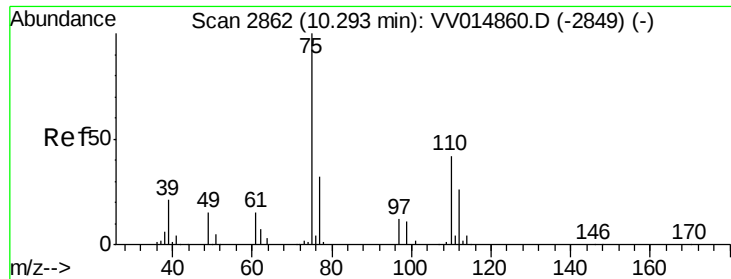
43 100

58 34.3 43.3 64.9#

57 14.0 15.6 23.4#

100 0.3 8.7 13.1#





#59

1,2,3-Trichloropropane

Concen: 4.995 ug/L

RT: 11.27 min Scan# 3166

Delta R.T. 0.97 min

Lab File: VV014862.D

Acq: 12 Mar 2020 12:51

Instrument :

MSVOA_V

ClientSampleId :

BFRF9

Tot Ion: 75 Resp: 20035

Ion Ratio Lower Upper

75 100

77 37.0 25.6 38.4

