

Data Path : Z:\VOASRV\HPCHEM1\MSVOA V\DATA\VV033120\
 Data File : VV015316.D
 Acq On : 31 Mar 2020 16:12
 Operator : SY/MD
 Sample : L1975-20
 Misc : 5.0mL/MSVOA V/WATER
 ALS Vial : 1 Sample Multiplier: 1

Instrument :
 MSVOA_V
 ClientSampleId :

Quant Time: Apr 01 01:26:04 2020
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_V\METHOD\SOMVLM033020WMA.M
 Quant Title : VOC Analysis
 QLast Update : Wed Apr 01 01:17:34 2020
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Difluorobenzene	5.64	114	571944	50.00	ug/L	0.00
28) Chlorobenzene-d5	8.87	117	552843	50.00	ug/L	0.00
60) 1,4-Dichlorobenzene-d4	11.27	152	238361	50.00	ug/L	0.00

System Monitoring Compounds

4) Vinyl Chloride-d3	1.32	65	194562	46.66	ug/L	0.00
Spiked Amount	50.000	Range	60 - 135	Recovery	=	93.32%
7) Chloroethane-d5	1.58	69	185273	47.74	ug/L	0.00
Spiked Amount	50.000	Range	70 - 130	Recovery	=	95.48%
11) 1,1-Dichloroethene-d2	2.12	63	302805	33.67	ug/L	0.00
Spiked Amount	50.000	Range	60 - 125	Recovery	=	67.34%
21) 2-Butanone-d5	3.93	46	320443	117.50	ug/L	0.00
Spiked Amount	100.000	Range	40 - 130	Recovery	=	117.50%
24) Chloroform-d	4.38	84	358778	47.85	ug/L	0.00
Spiked Amount	50.000	Range	70 - 125	Recovery	=	95.70%
26) 1,2-Dichloroethane-d4	5.06	65	252660	51.56	ug/L	0.00
Spiked Amount	50.000	Range	70 - 125	Recovery	=	103.12%
32) Benzene-d6	5.08	84	710172	49.21	ug/L	0.00
Spiked Amount	50.000	Range	70 - 125	Recovery	=	98.42%
36) 1,2-Dichloropropane-d6	6.09	67	230542	51.08	ug/L	0.00
Spiked Amount	50.000	Range	70 - 120	Recovery	=	102.16%
41) Toluene-d8	7.34	98	677783	48.54	ug/L	0.00
Spiked Amount	50.000	Range	80 - 120	Recovery	=	97.08%
43) trans-1,3-Dichloropropene-	7.64	79	118395	48.17	ug/L	0.00
Spiked Amount	50.000	Range	60 - 125	Recovery	=	96.34%
47) 2-Hexanone-d5	8.11	63	279553	132.04	ug/L	0.00
Spiked Amount	100.000	Range	45 - 130	Recovery	=	132.04%#
57) 1,1,2,2-Tetrachloroethane-	10.24	84	335949	50.44	ug/L	0.00
Spiked Amount	50.000	Range	65 - 120	Recovery	=	100.88%
64) 1,2-Dichlorobenzene-d4	11.65	152	236773	49.91	ug/L	0.00
Spiked Amount	50.000	Range	80 - 120	Recovery	=	99.82%

Target Compounds

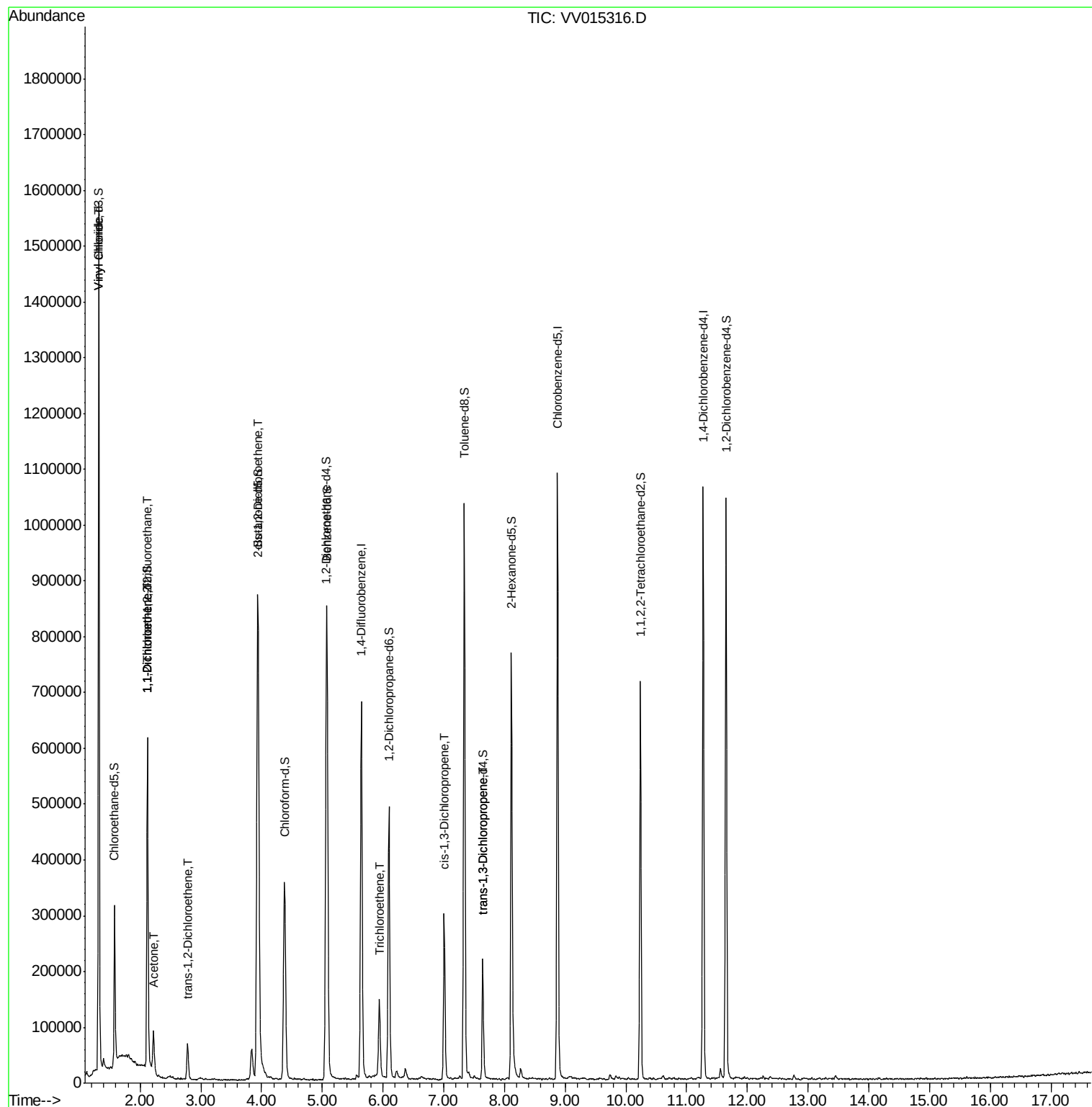
Target Compounds	R.T.	QIon	Response	Conc	Units	Ovalue
5) Vinyl chloride	1.32	62	798480	165.636	ug/L	97
10) 1,1,2-Trichloro-1,2,2-trif	2.12	101	2985	0.683	ug/L #	27
12) 1,1-Dichloroethene	2.13	96	7479	1.768	ug/L #	1
13) Acetone	2.21	43	58410	31.386	ug/L	70
17) trans-1,2-Dichloroethene	2.78	96	23091	6.514	ug/L	94
20) cis-1,2-Dichloroethene	3.94	96	406437	102.000	ug/L #	98
34) Trichloroethene	5.94	95	48515	12.357	ug/L	95
39) cis-1,3-Dichloropropene	7.01	75	9043	1.438	ug/L	84
44) trans-1,3-Dichloropropene	7.64	75	5683	0.920	ug/L #	76

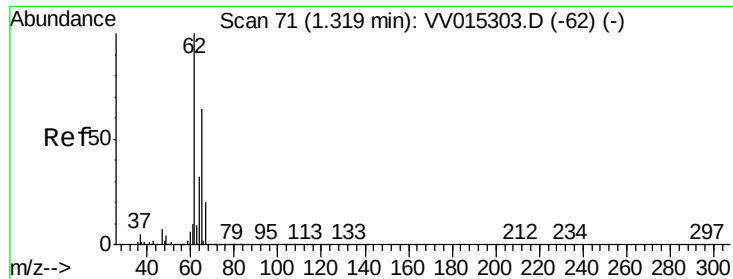
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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Quant Title : VOC Analysis
QLast Update : Wed Apr 01 01:17:34 2020
Response via : Initial Calibration





#5

Vinyl chloride

Concen: 165.636 ug/L

RT: 1.32 min Scan# 71

Delta R.T. 0.00 min

Lab File: VV015316.D

Acq: 31 Mar 2020 16:12

Instrument :

MSVOA_V

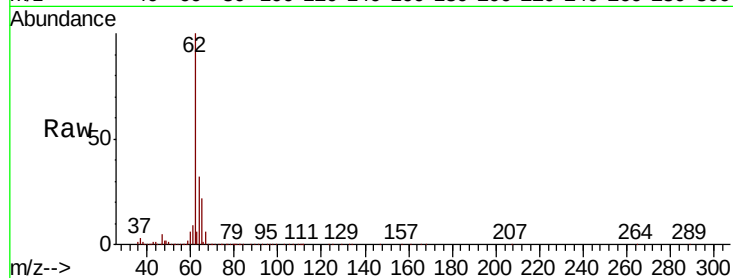
ClientSampleId :

Tot Ion: 62 Resp: 798480

Ion Ratio Lower Upper

62 100

64 32.3 23.9 44.3



Abundance Ion 62.00 (61.70 to 62.70): VV015316.D (-62) (-)

Ion 64.00 (63.70 to 64.70): VV015316.D (-62) (-)

1.32

800000

600000

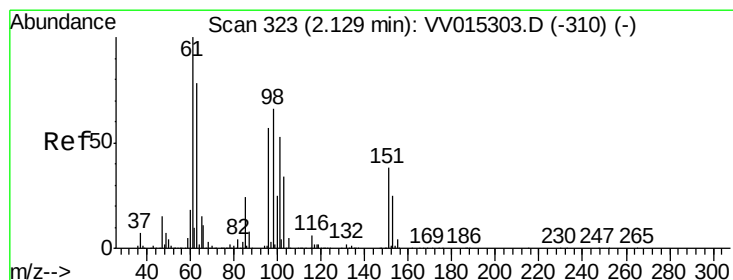
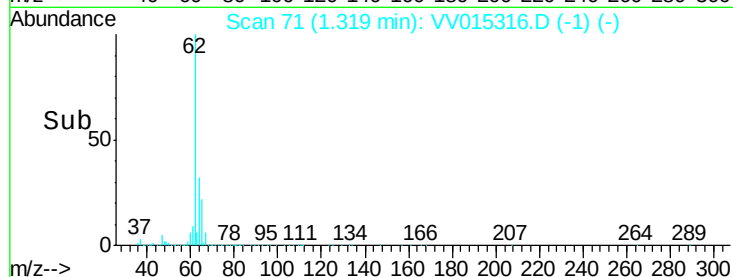
400000

200000

0

1.30 1.35 1.40

Time-->



#10

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

Concen: 0.683 ug/L

RT: 2.12 min Scan# 321

Delta R.T. -0.01 min

Lab File: VV015316.D

Acq: 31 Mar 2020 16:12

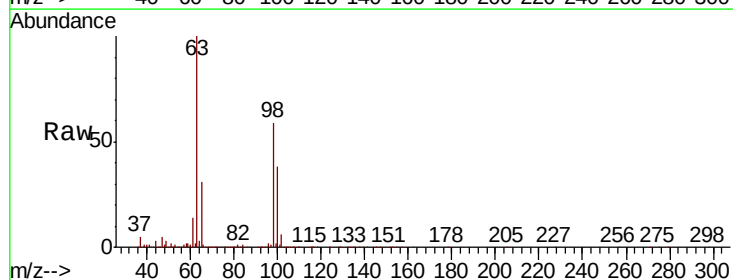
Tgt Ion: 101 Resp: 2985

Ion Ratio Lower Upper

101 100

85 8.8 35.0 52.6#

151 1.7 58.2 87.4#



Abundance Ion 101.00 (100.70 to 101.70): VV015316.D (-310) (-)

Ion 85.00 (84.70 to 85.70): VV015316.D (-310) (-)

Ion 151.00 (150.70 to 151.70): VV015316.D (-310) (-)

2.12

2500

2000

1500

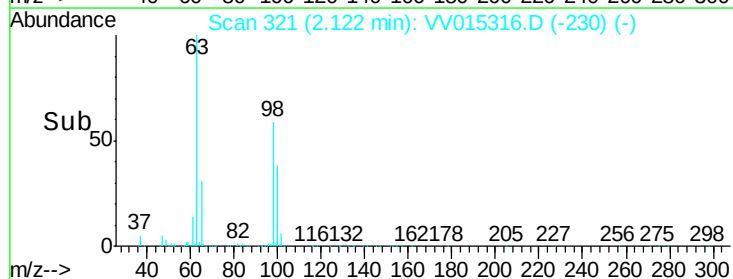
1000

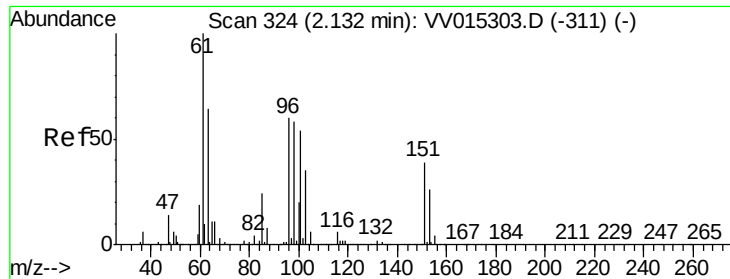
500

0

2.10 2.15

Time-->

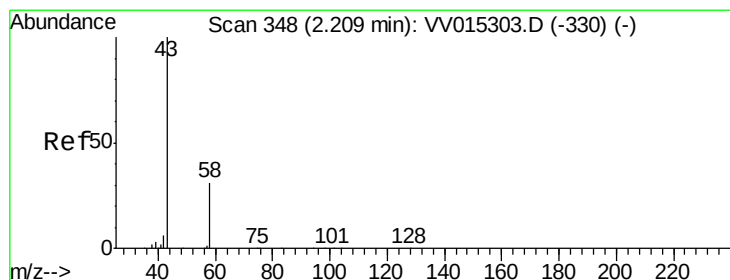
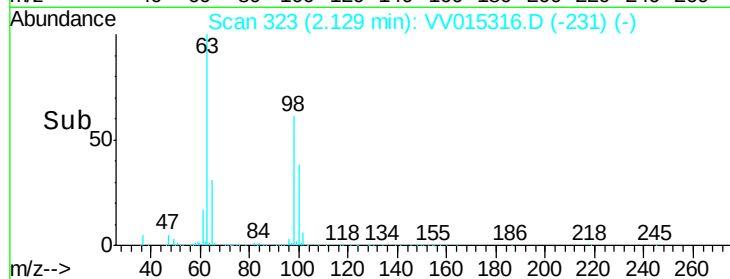
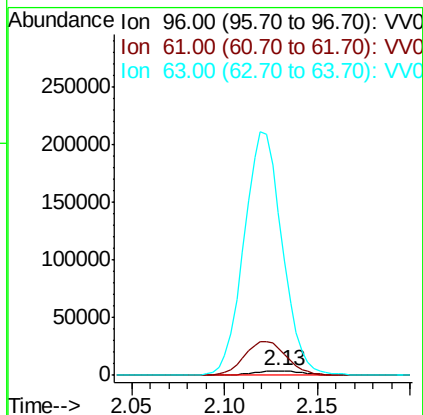
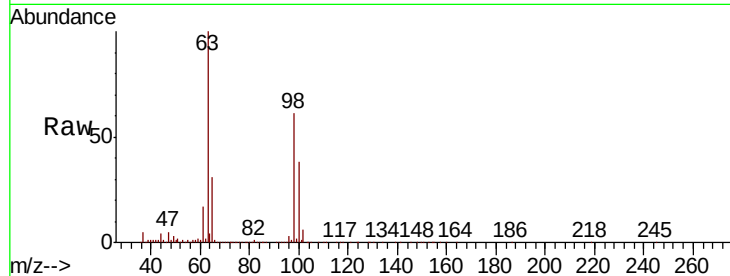




#12
 1,1-Dichloroethene
 Concen: 1.768 ug/L
 RT: 2.13 min Scan# 323
 Delta R.T. -0.00 min
 Lab File: VV015316.D
 Acq: 31 Mar 2020 16:12

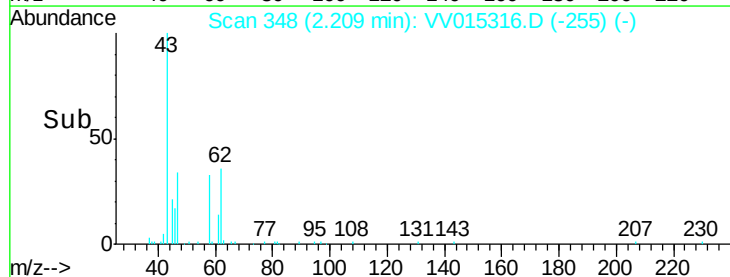
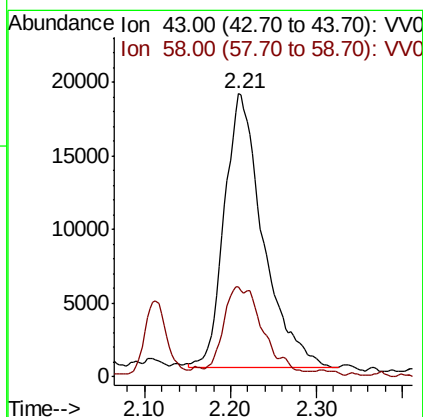
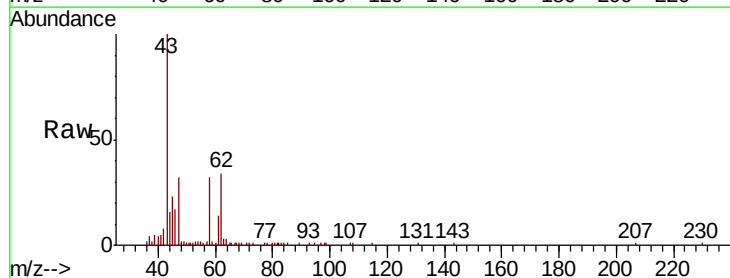
Instrument :
 MSVOA_V
 ClientSampleId :

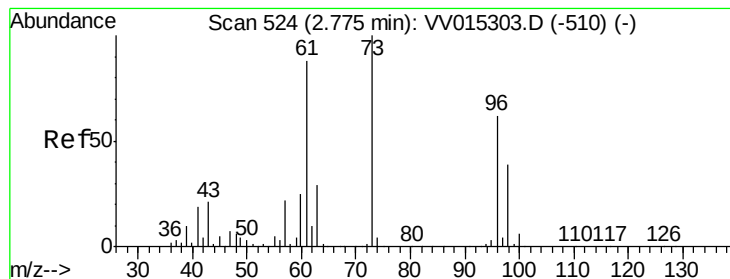
Tot Ion: 96 Resp: 7479
 Ion Ratio Lower Upper
 96 100
 61 610.7 120.9 224.5#
 63 3647.5 81.2 150.8#



#13
 Acetone
 Concen: 31.386 ug/L
 RT: 2.21 min Scan# 348
 Delta R.T. 0.00 min
 Lab File: VV015316.D
 Acq: 31 Mar 2020 16:12

Tgt Ion: 43 Resp: 58410
 Ion Ratio Lower Upper
 43 100
 58 15.1 0.0 63.6





#17

trans-1,2-Dichloroethene

Concen: 6.514 ug/L

RT: 2.78 min Scan# 525

Delta R.T. 0.00 min

Lab File: VV015316.D

Acq: 31 Mar 2020 16:12

Instrument :

MSVOA_V

ClientSampleId :

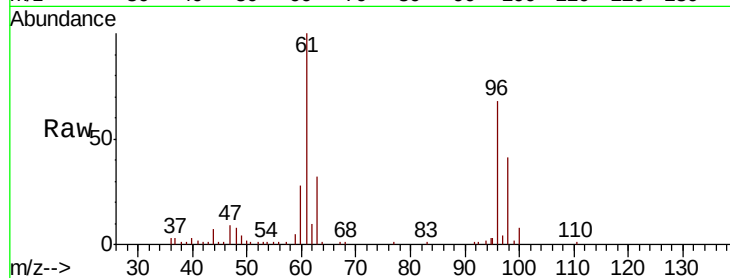
Tot Ion: 96 Resp: 23091

Ion Ratio Lower Upper

96 100

61 147.8 98.5 182.9

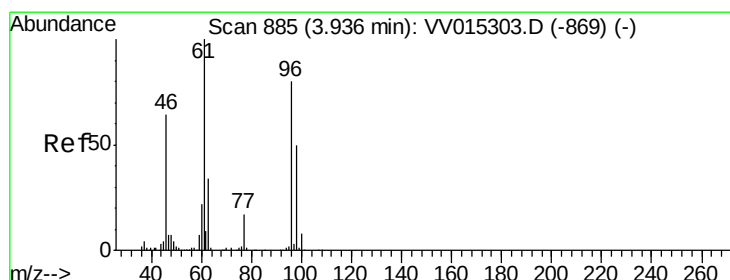
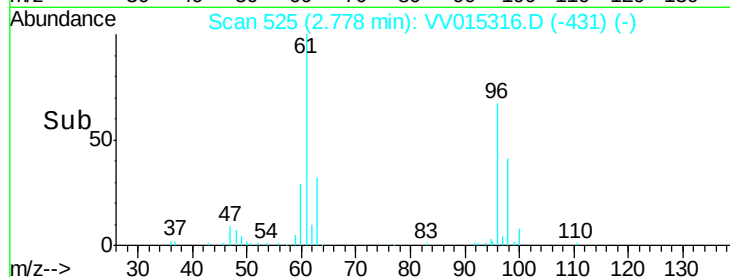
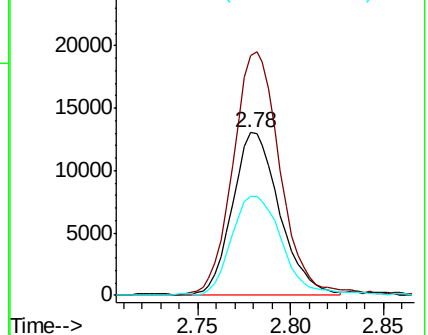
98 60.6 45.5 84.5



Abundance Ion 96.00 (95.70 to 96.70): VV0

Ion 61.00 (60.70 to 61.70): VV0

Ion 98.00 (97.70 to 98.70): VV0



#20

cis-1,2-Dichloroethene

Concen: 102.000 ug/L

RT: 3.94 min Scan# 886

Delta R.T. 0.00 min

Lab File: VV015316.D

Acq: 31 Mar 2020 16:12

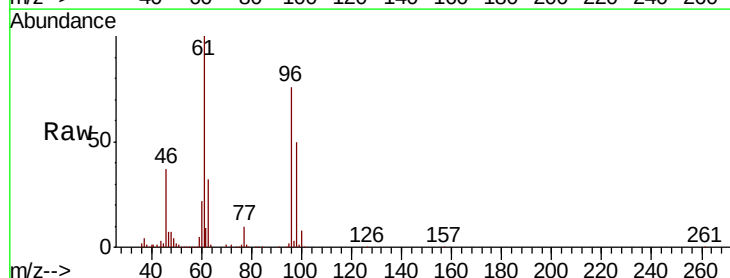
Tgt Ion: 96 Resp: 406437

Ion Ratio Lower Upper

96 100

61 131.7 90.2 167.6

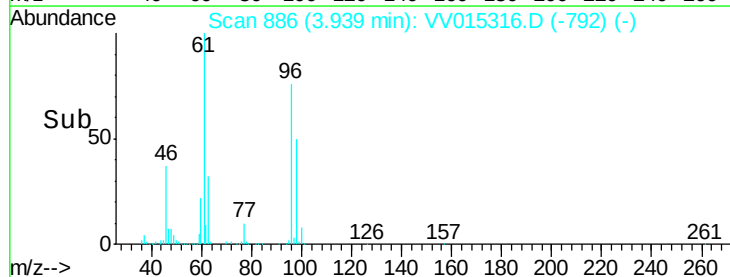
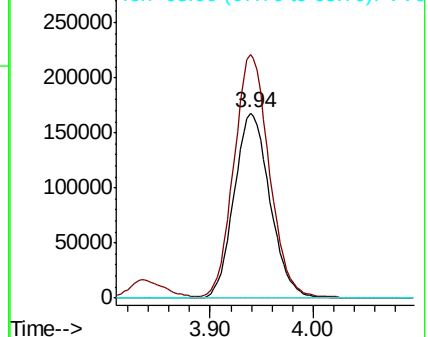
68 0.0 0.1 0.1#

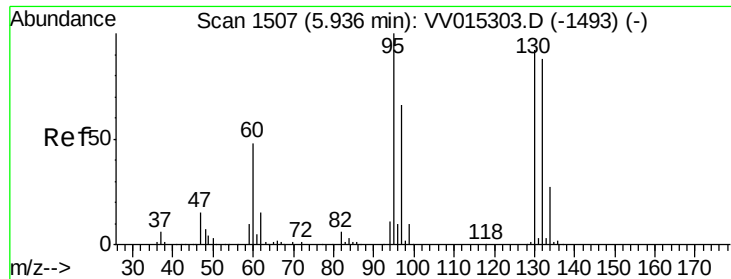


Abundance Ion 96.00 (95.70 to 96.70): VV0

Ion 61.00 (60.70 to 61.70): VV0

Ion 68.00 (67.70 to 68.70): VV0





#34

Trichloroethene

Concen: 12.357 ug/L

RT: 5.94 min Scan# 1509

Delta R.T. 0.01 min

Lab File: VV015316.D

Acq: 31 Mar 2020 16:12

Instrument :

MSVOA_V

ClientSampleId :

Tot Ion: 95 Resp: 48515

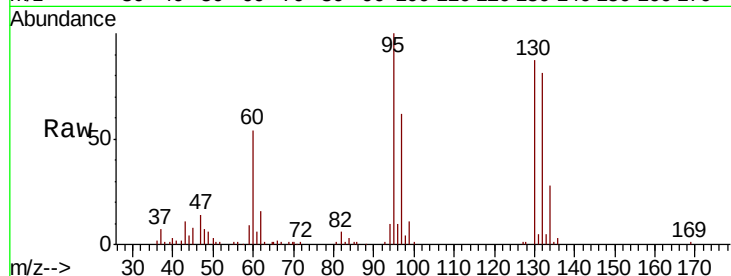
Ion Ratio Lower Upper

95 100

97 62.4 44.0 81.6

132 81.2 61.8 114.8

130 86.6 64.5 119.9

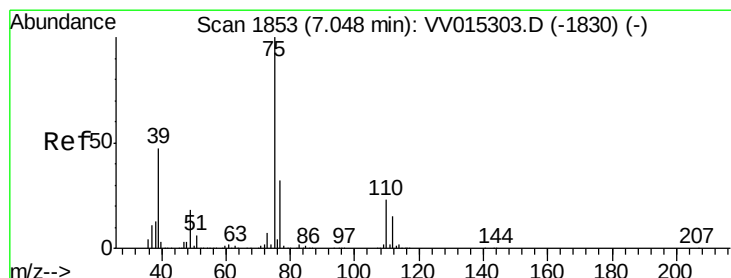
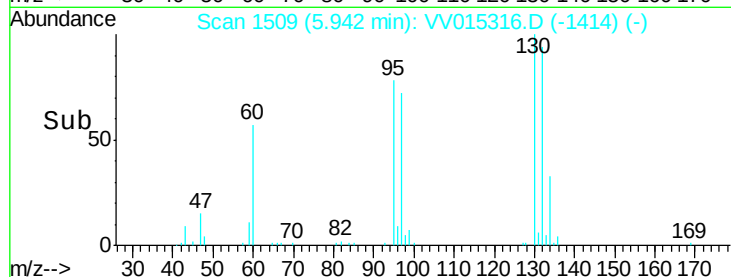
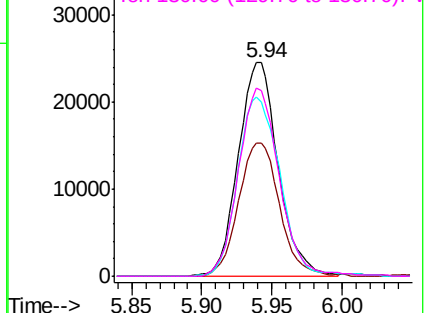


Abundance Ion 95.00 (94.70 to 95.70): VV015316.D (-1414) (-)

Ion 97.00 (96.70 to 97.70): VV015316.D (-1414) (-)

Ion 132.00 (131.70 to 132.70): VV015316.D (-1414) (-)

Ion 130.00 (129.70 to 130.70): VV015316.D (-1414) (-)



#39

cis-1,3-Dichloropropene

Concen: 1.438 ug/L

RT: 7.01 min Scan# 1842

Delta R.T. -0.04 min

Lab File: VV015316.D

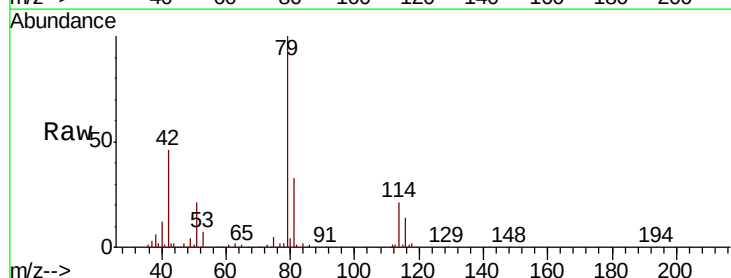
Acq: 31 Mar 2020 16:12

Tgt Ion: 75 Resp: 9043

Ion Ratio Lower Upper

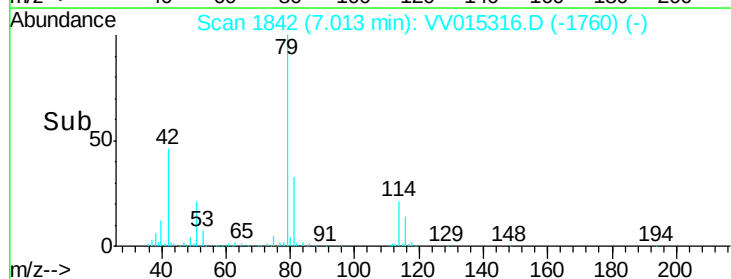
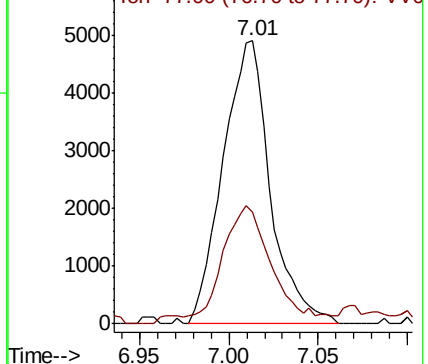
75 100

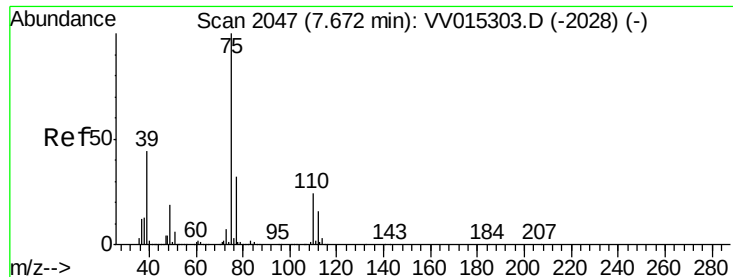
77 39.7 21.6 40.0



Abundance Ion 75.00 (74.70 to 75.70): VV015316.D (-1760) (-)

Ion 77.00 (76.70 to 77.70): VV015316.D (-1760) (-)





#44

trans-1,3-Dichloropropene

Concen: 0.920 ug/L

RT: 7.64 min Scan# 2037

Delta R.T. -0.03 min

Lab File: VV015316.D

Acq: 31 Mar 2020 16:12

Instrument :

MSVOA_V

ClientSampleId :

Tot Ion: 75 Resp: 5683

Ion Ratio Lower Upper

75 100

77 44.3 21.8 40.4#

