

Data Path : Z:\VOASRV\HPCHEM1\MSVOA V\DATA\VV042820\
 Data File : VV015754.D
 Acq On : 28 Apr 2020 18:26
 Operator : SY/MD
 Sample : L2421-09
 Misc : 25.0mL/MSVOA V/WATER
 ALS Vial : 15 Sample Multiplier: 1

Instrument :
 MSVOA_V
 ClientSampleId :
 BFSB0

Quant Time: Apr 29 02:12:59 2020
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_V\METHOD\SOMVTR042220WMA.M
 Quant Title : TRACE VOA SOM01.0
 QLast Update : Wed Apr 29 00:40:59 2020
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Difluorobenzene	5.64	114	129463	5.00	ug/L	0.00
28) Chlorobenzene-d5	8.87	117	124734	5.00	ug/L	0.00
60) 1,4-Dichlorobenzene-d4	11.27	152	58634	5.00	ug/L	0.00

System Monitoring Compounds

4) Vinyl Chloride-d3	1.32	65	27027	4.00	ug/L	0.00
Spiked Amount	5.000	Range	40 - 130	Recovery	=	80.00%
7) Chloroethane-d5	1.58	69	27677	4.24	ug/L	0.00
Spiked Amount	5.000	Range	65 - 130	Recovery	=	84.80%
11) 1,1-Dichloroethene-d2	2.13	63	76345	5.16	ug/L	0.00
Spiked Amount	5.000	Range	60 - 125	Recovery	=	103.20%
20) 2-Butanone-d5	3.92	46	120169	55.32	ug/L	-0.01
Spiked Amount	50.000	Range	40 - 130	Recovery	=	110.64%
24) Chloroform-d	4.38	84	74711	4.74	ug/L	0.00
Spiked Amount	5.000	Range	70 - 125	Recovery	=	94.80%
26) 1,2-Dichloroethane-d4	5.06	65	43564	4.94	ug/L	0.00
Spiked Amount	5.000	Range	70 - 130	Recovery	=	98.80%
32) Benzene-d6	5.08	84	137346	4.61	ug/L	0.00
Spiked Amount	5.000	Range	70 - 125	Recovery	=	92.20%
36) 1,2-Dichloropropane-d6	6.10	67	45388	4.77	ug/L	0.00
Spiked Amount	5.000	Range	60 - 140	Recovery	=	95.40%
41) Toluene-d8	7.34	98	123646	4.37	ug/L	0.00
Spiked Amount	5.000	Range	70 - 130	Recovery	=	87.40%
43) trans-1,3-Dichloropropene-	7.64	79	14854	4.04	ug/L	0.00
Spiked Amount	5.000	Range	55 - 130	Recovery	=	80.80%
46) 2-Hexanone-d5	8.11	63	80243	44.73	ug/L	0.00
Spiked Amount	50.000	Range	45 - 130	Recovery	=	89.46%
57) 1,1,2,2-Tetrachloroethane-	10.24	84	34891	4.93	ug/L	0.00
Spiked Amount	5.000	Range	65 - 120	Recovery	=	98.60%
64) 1,2-Dichlorobenzene-d4	11.65	152	48151	4.83	ug/L	0.00
Spiked Amount	5.000	Range	80 - 120	Recovery	=	96.60%

Target Compounds

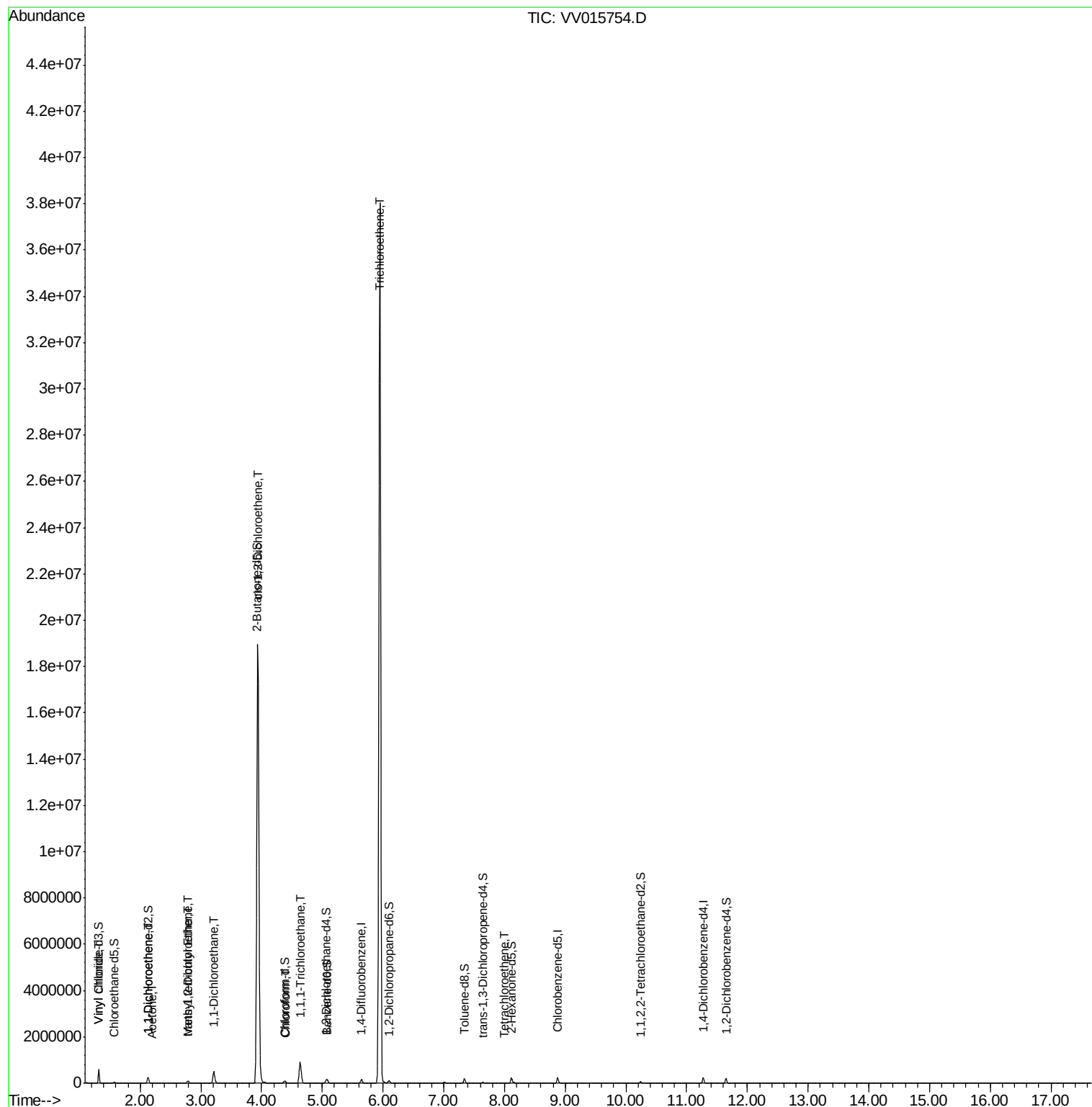
					Ovalue
5) Vinyl chloride	1.32	62	338188	33.007 ug/L	99
12) 1,1-Dichloroethene	2.13	96	55943	7.424 ug/L	90
13) Acetone	2.20	43	2372	1.572 ug/L	93
17) Methyl tert-butyl Ether	2.79	73	52950	2.503 ug/L	99
18) trans-1,2-Dichloroethene	2.78	96	12972	1.538 ug/L	97
19) 1,1-Dichloroethane	3.21	63	521948	31.507 ug/L	99
22) cis-1,2-Dichloroethene	3.94	96	10030933	1075.320 ug/L #	97
25) Chloroform	4.41	83	3442	0.196 ug/L	93
29) 1,1,1-Trichloroethane	4.64	97	709341	44.843 ug/L	99
34) Trichloroethene	5.95	95	13460708	1367.719 ug/L	97
47) Tetrachloroethene	8.00	164	4071	0.574 ug/L	95

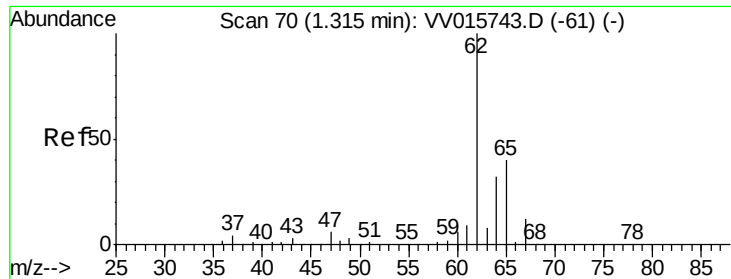
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Data Path : Z:\V0ASRV\HPCHEM1\MSVOA V\DATA\VV042820\
Data File : VV015754.D
Acq On : 28 Apr 2020 18:26
Operator : SY/MD
Sample : L2421-09
Misc : 25.0mL/MSVOA V/WATER
ALS Vial : 15 Sample Multiplier: 1

Instrument :
MSVOA_V
ClientSampleId :
BFSB0

Quant Time: Apr 29 02:12:59 2020
Quant Method : Z:\V0ASRV\HPCHEM1\MSVOA_V\METHOD\SOMVTR042220WMA.M
Quant Title : TRACE VOA SOM01.0
QLast Update : Wed Apr 29 00:40:59 2020
Response via : Initial Calibration





#5

Vinyl chloride

Concen: 33.007 ug/L

RT: 1.32 min Scan# 71

Delta R.T. 0.00 min

Lab File: VV015754.D

Acq: 28 Apr 2020 18:26

Instrument :

MSVOA_V

ClientSampled :

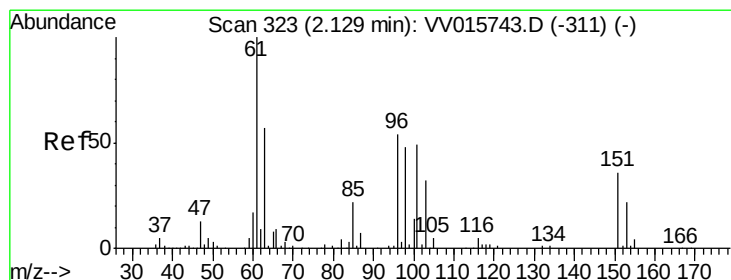
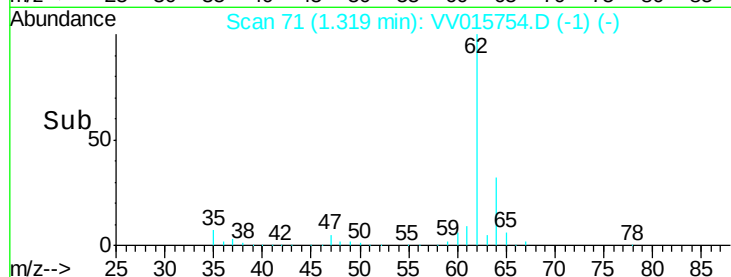
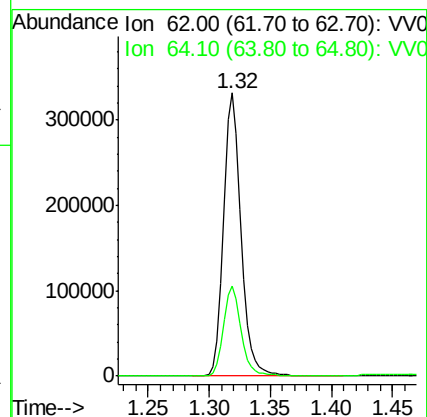
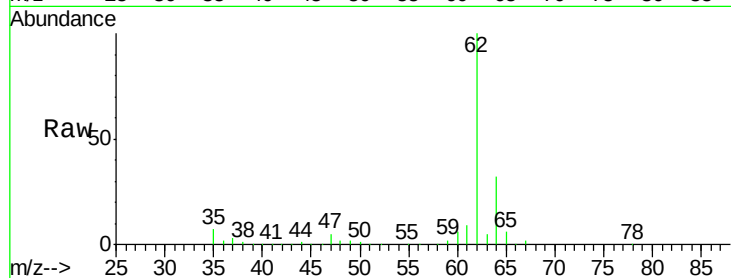
BFSB0

Tot Ion: 62 Resp: 338188

Ion Ratio Lower Upper

62 100

64 31.9 22.7 42.1



#12

1,1-Dichloroethene

Concen: 7.424 ug/L

RT: 2.13 min Scan# 324

Delta R.T. 0.00 min

Lab File: VV015754.D

Acq: 28 Apr 2020 18:26

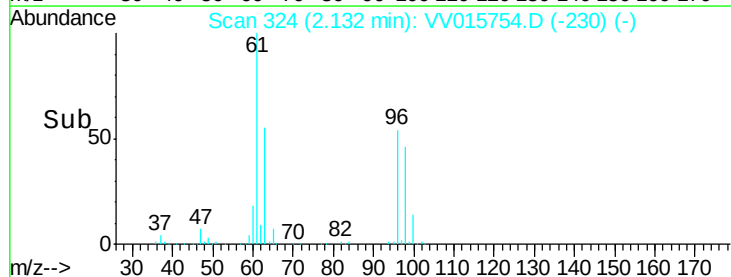
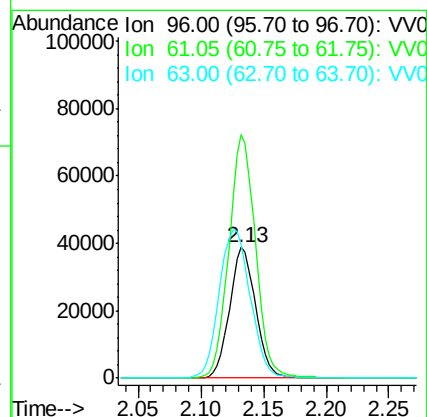
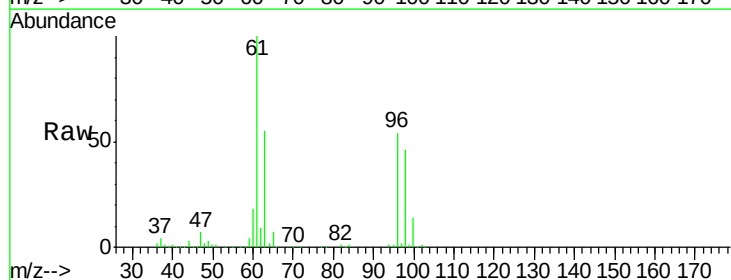
Tgt Ion: 96 Resp: 55943

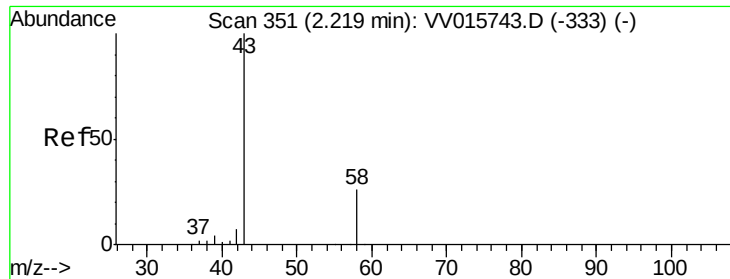
Ion Ratio Lower Upper

96 100

61 186.7 130.1 241.7

63 102.7 91.4 169.8





#13

Acetone

Concen: 1.572 ug/L

RT: 2.20 min Scan# 346

Delta R.T. -0.02 min

Lab File: VV015754.D

Acq: 28 Apr 2020 18:26

Instrument :

MSVOA_V

ClientSampled :

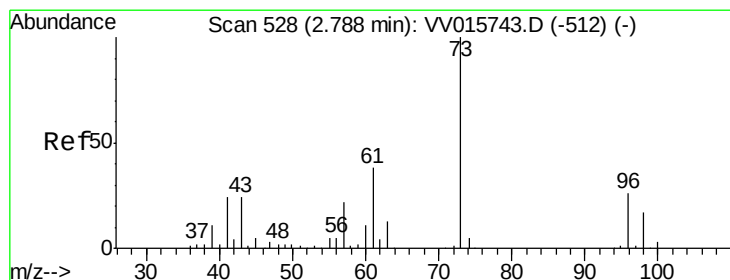
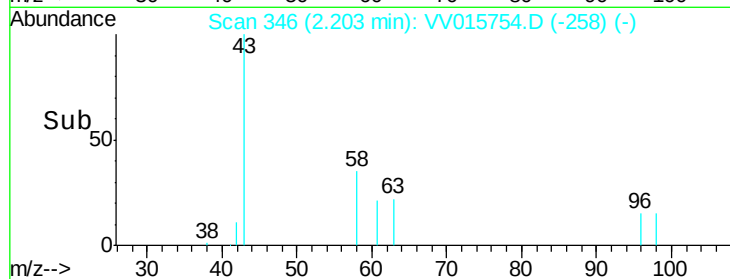
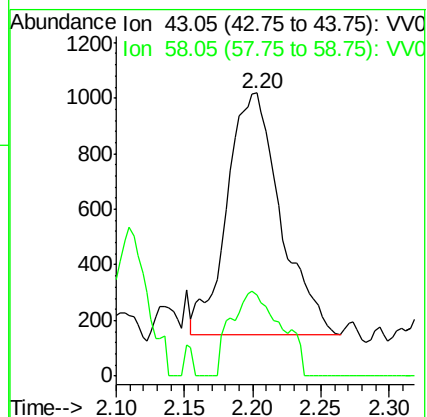
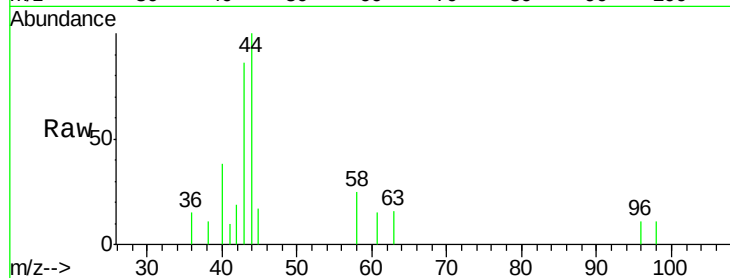
BFSB0

Tot Ion: 43 Resp: 2372

Ion Ratio Lower Upper

43 100

58 32.7 0.0 57.6



#17

Methyl tert-butyl Ether

Concen: 2.503 ug/L

RT: 2.79 min Scan# 528

Delta R.T. 0.00 min

Lab File: VV015754.D

Acq: 28 Apr 2020 18:26

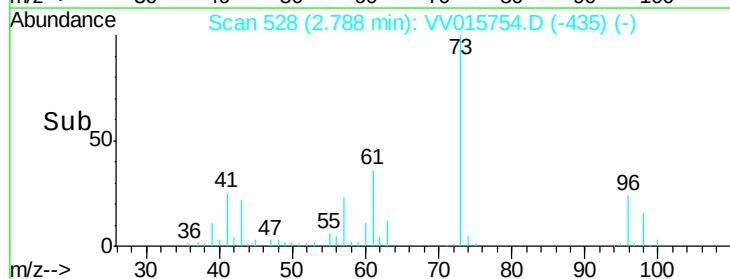
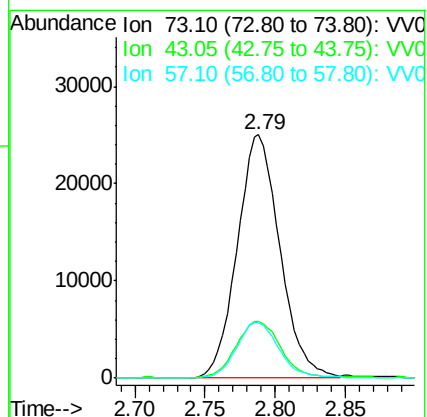
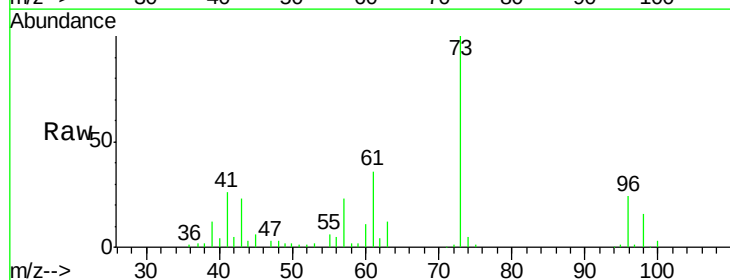
Tgt Ion: 73 Resp: 52950

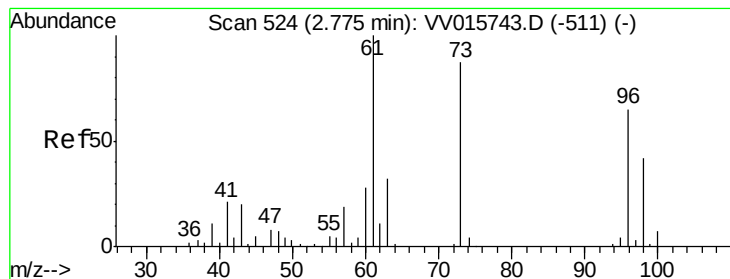
Ion Ratio Lower Upper

73 100

43 24.6 20.1 30.1

57 22.9 17.8 26.8





#18

trans-1,2-Dichloroethene

Concen: 1.538 ug/L

RT: 2.78 min Scan# 525

Delta R.T. 0.00 min

Lab File: VV015754.D

Acq: 28 Apr 2020 18:26

Instrument :

MSVOA_V

ClientSampled :

BFSB0

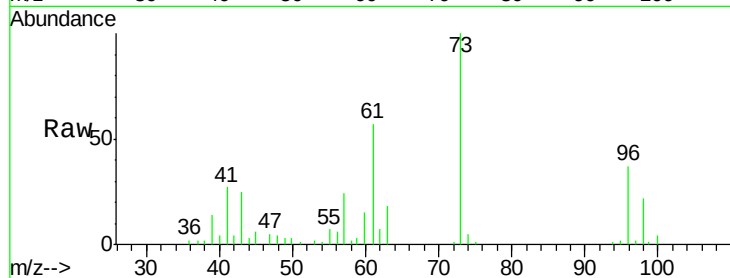
Tot Ion: 96 Resp: 12972

Ion Ratio Lower Upper

96 100

61 154.4 105.5 195.9

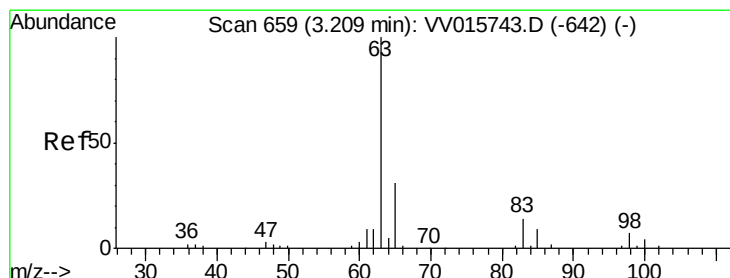
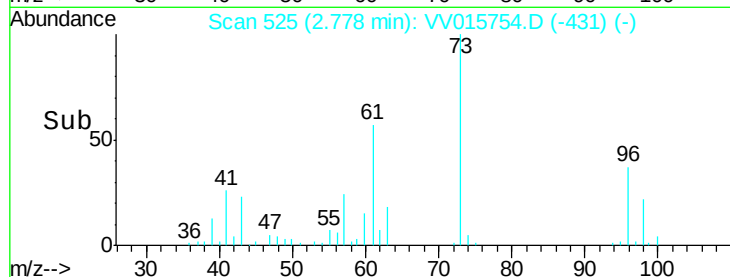
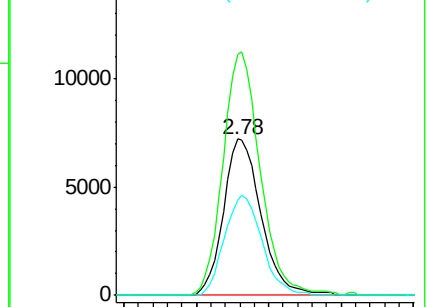
98 60.5 44.2 82.0



Abundance Ion 96.00 (95.70 to 96.70): VV0

Ion 61.05 (60.75 to 61.75): VV0

Ion 97.95 (97.65 to 98.65): VV0



#19

1,1-Dichloroethane

Concen: 31.507 ug/L

RT: 3.21 min Scan# 660

Delta R.T. 0.00 min

Lab File: VV015754.D

Acq: 28 Apr 2020 18:26

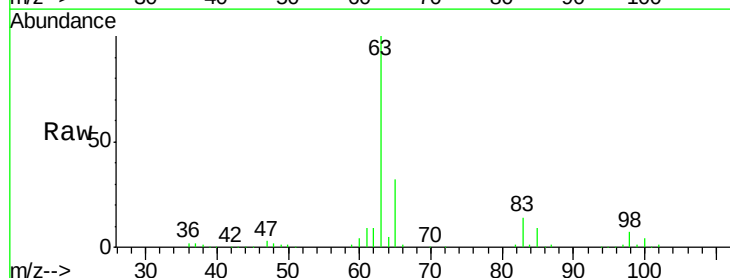
Tgt Ion: 63 Resp: 521948

Ion Ratio Lower Upper

63 100

65 32.0 22.3 41.3

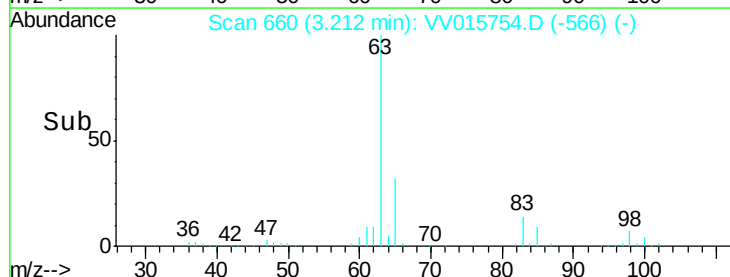
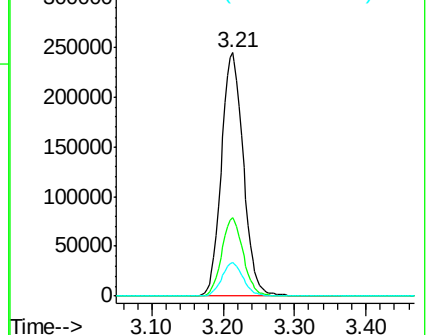
83 13.7 9.3 17.3

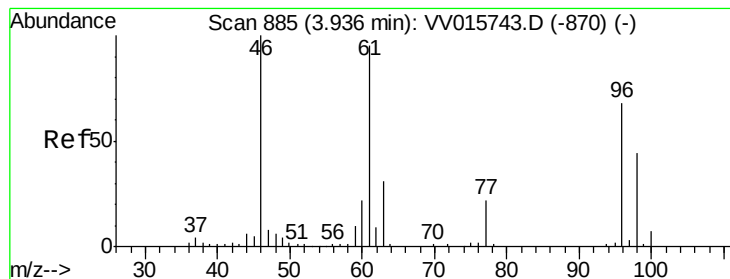


Abundance Ion 63.10 (62.80 to 63.80): VV0

Ion 65.10 (64.80 to 65.80): VV0

Ion 83.05 (82.75 to 83.75): VV0



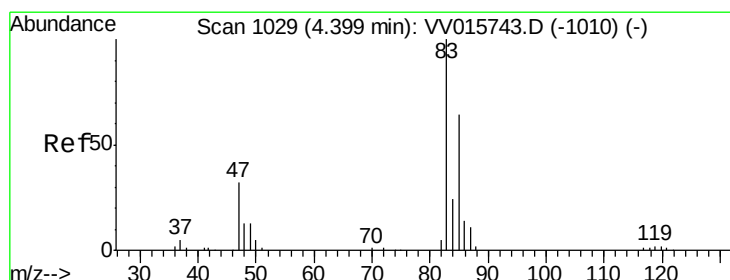
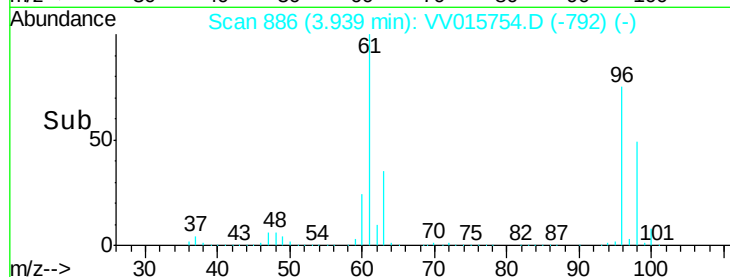
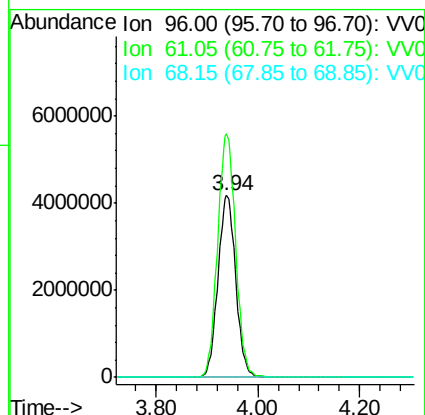
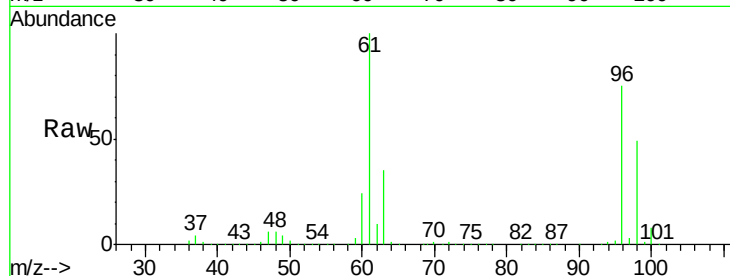


#22

cis-1,2-Dichloroethene
 Concen: 1075.320 ug/L
 RT: 3.94 min Scan# 886
 Delta R.T. 0.00 min
 Lab File: VV015754.D
 Acq: 28 Apr 2020 18:26

Instrument :
 MSVOA_V
 ClientSampleId :
 BFSB0

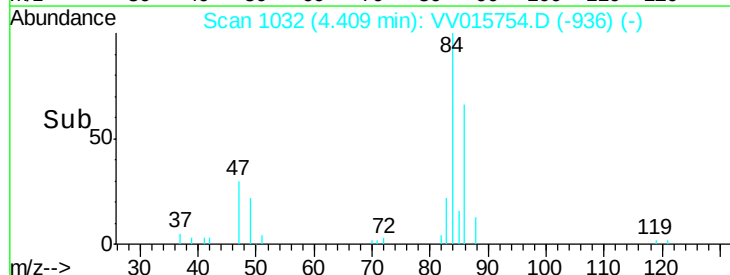
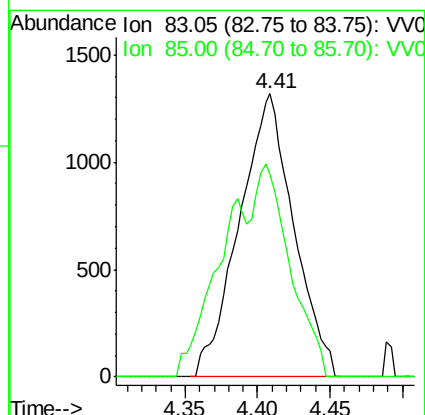
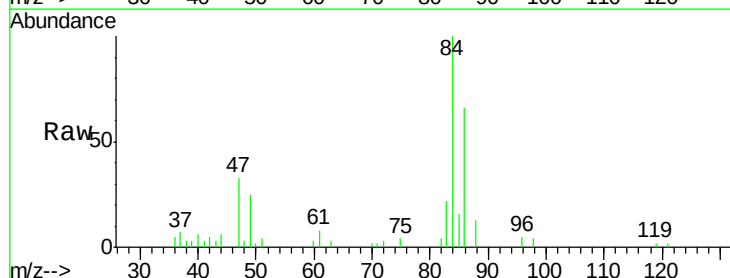
Tot Ion: 96 Resp:10030933
 Ion Ratio Lower Upper
 96 100
 61 133.9 96.4 179.0
 68 0.0 0.0 0.0#

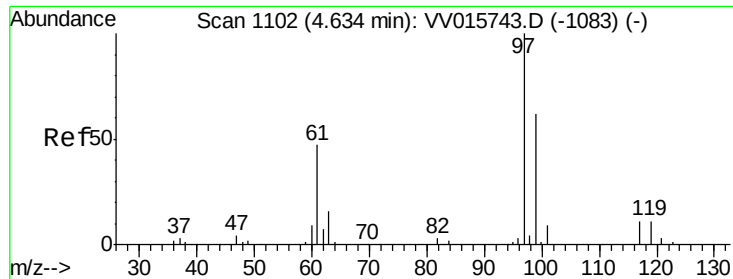


#25

Chloroform
 Concen: 0.196 ug/L
 RT: 4.41 min Scan# 1032
 Delta R.T. 0.01 min
 Lab File: VV015754.D
 Acq: 28 Apr 2020 18:26

Tgt Ion: 83 Resp: 3442
 Ion Ratio Lower Upper
 83 100
 85 71.4 46.1 85.5

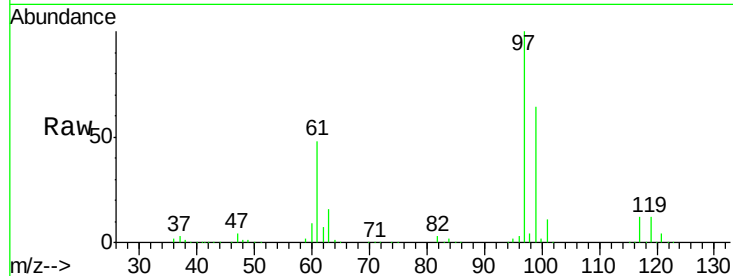




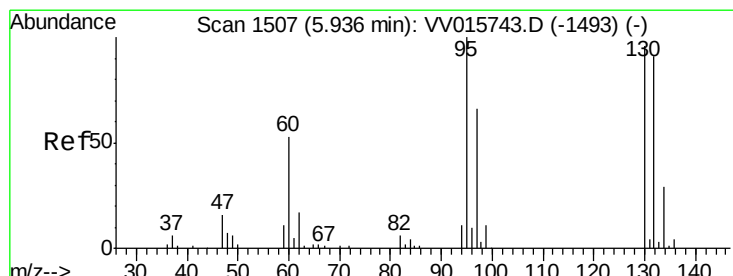
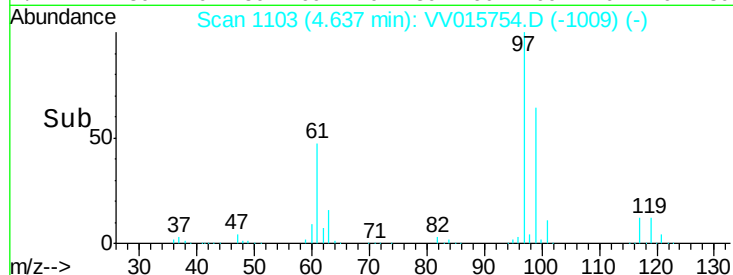
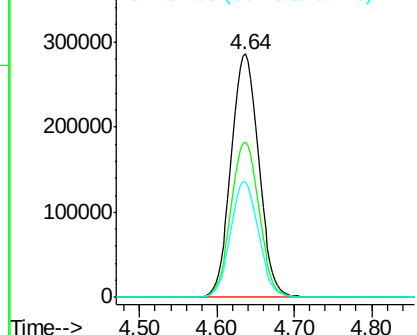
#29
1,1,1-Trichloroethane
Concen: 44.843 ug/L
RT: 4.64 min Scan# 1103
Delta R.T. 0.00 min
Lab File: VV015754.D
Acq: 28 Apr 2020 18:26

Instrument :
MSVOA_V
ClientSampleId :
BFSB0

Tot Ion: 97 Resp: 709341
Ion Ratio Lower Upper
97 100
99 64.9 51.6 77.4
61 47.6 38.6 57.8



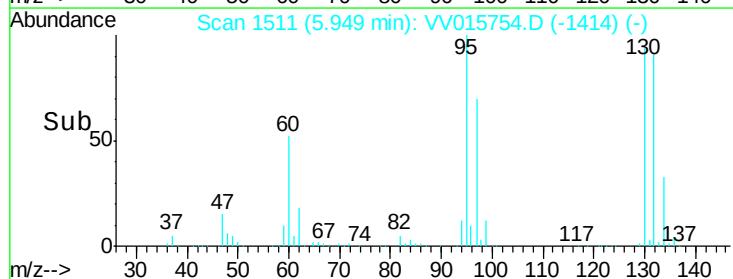
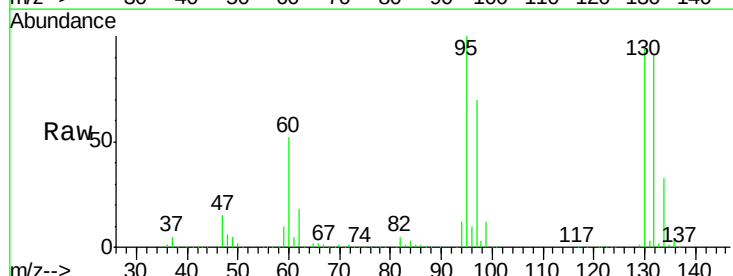
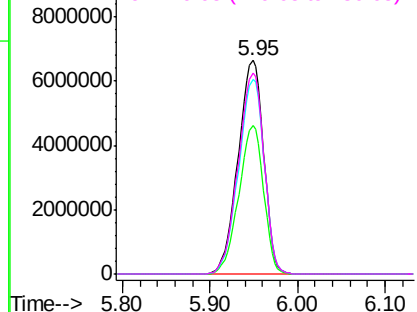
Abundance Ion 96.95 (96.65 to 97.65): VV0
Ion 99.05 (98.75 to 99.75): VV0
Ion 61.05 (60.75 to 61.75): VV0

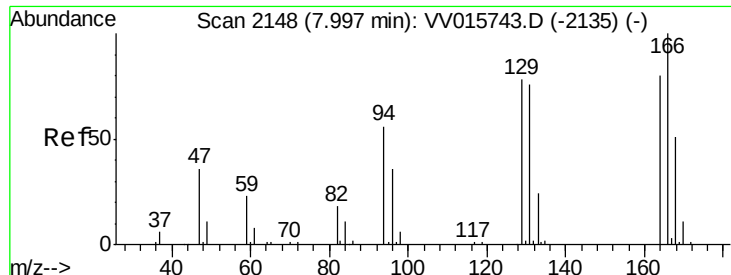


#34
Trichloroethene
Concen: 1367.719 ug/L
RT: 5.95 min Scan# 1511
Delta R.T. 0.01 min
Lab File: VV015754.D
Acq: 28 Apr 2020 18:26

Tgt Ion: 95 Resp:13460708
Ion Ratio Lower Upper
95 100
97 69.8 44.7 82.9
132 91.4 65.2 121.0
130 94.2 65.0 120.6

Abundance Ion 95.00 (94.70 to 95.70): VV0
Ion 96.95 (96.65 to 97.65): VV0
Ion 131.95 (131.65 to 132.65): VV0
Ion 129.95 (129.65 to 130.65): VV0





#47

Tetrachloroethene

Concen: 0.574 ug/L

RT: 8.00 min Scan# 2149

Delta R.T. 0.00 min

Lab File: VV015754.D

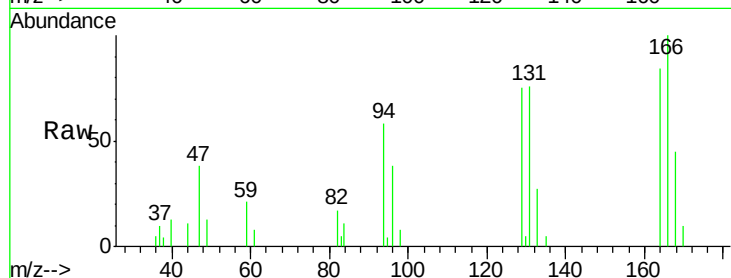
Acq: 28 Apr 2020 18:26

Instrument :

MSVOA_V

ClientSampleId :

BFSB0



Tot Ion:164 Resp: 4071

Ion Ratio Lower Upper

164 100

129 88.9 66.7 123.9

131 90.4 66.6 123.6

166 118.9 85.3 158.5

Abundance Ion 163.90 (163.60 to 164.60): V

Ion 128.95 (128.65 to 129.65): V

Ion 130.95 (130.65 to 131.65): V

Ion 165.90 (165.60 to 166.60): V

