

Data Path : Z:\VOASRV\HPCHEM1\MSVOA V\DATA\VV061920\
 Data File : VV017002.D
 Acq On : 19 Jun 2020 15:50
 Operator : SY/MD
 Sample : L3074-03
 Misc : 5.0mL/MSVOA V/WATER
 ALS Vial : 13 Sample Multiplier: 1

Instrument :
 MSVOA_V
 ClientSampleId :
 F9M05

Quant Time: Jun 20 02:06:40 2020
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_V\METHOD\SOMVLM060820WMA.M
 Quant Title : VOC Analysis
 QLast Update : Sat Jun 20 02:04:09 2020
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Difluorobenzene	5.64	114	320665	50.00	ug/L	0.00
28) Chlorobenzene-d5	8.87	117	297788	50.00	ug/L	0.00
60) 1,4-Dichlorobenzene-d4	11.27	152	141681	50.00	ug/L	0.00

System Monitoring Compounds

4) Vinyl Chloride-d3	1.32	65	106244	46.95	ug/L	0.00
Spiked Amount	50.000	Range	60 - 135	Recovery	=	93.90%
7) Chloroethane-d5	1.58	69	68487	50.44	ug/L	0.00
Spiked Amount	50.000	Range	70 - 130	Recovery	=	100.88%
11) 1,1-Dichloroethene-d2	2.12	63	154584	40.69	ug/L	0.00
Spiked Amount	50.000	Range	60 - 125	Recovery	=	81.38%
21) 2-Butanone-d5	3.91	46	162632	97.11	ug/L	0.00
Spiked Amount	100.000	Range	40 - 130	Recovery	=	97.11%
24) Chloroform-d	4.38	84	224825	48.87	ug/L	0.00
Spiked Amount	50.000	Range	70 - 125	Recovery	=	97.74%
26) 1,2-Dichloroethane-d4	5.06	65	162169	51.82	ug/L	0.00
Spiked Amount	50.000	Range	70 - 125	Recovery	=	103.64%
32) Benzene-d6	5.08	84	439820	51.24	ug/L	0.00
Spiked Amount	50.000	Range	70 - 125	Recovery	=	102.48%
36) 1,2-Dichloropropane-d6	6.09	67	133524	49.90	ug/L	0.00
Spiked Amount	50.000	Range	70 - 120	Recovery	=	99.80%
41) Toluene-d8	7.34	98	400139	50.80	ug/L	0.00
Spiked Amount	50.000	Range	80 - 120	Recovery	=	101.60%
43) trans-1,3-Dichloropropene-	7.64	79	67428	48.38	ug/L	0.00
Spiked Amount	50.000	Range	60 - 125	Recovery	=	96.76%
47) 2-Hexanone-d5	8.11	63	97169	83.29	ug/L	0.00
Spiked Amount	100.000	Range	45 - 130	Recovery	=	83.29%
57) 1,1,2,2-Tetrachloroethane-	10.24	84	166934	47.13	ug/L	0.00
Spiked Amount	50.000	Range	65 - 120	Recovery	=	94.26%
64) 1,2-Dichlorobenzene-d4	11.65	152	163160	53.96	ug/L	0.00
Spiked Amount	50.000	Range	80 - 120	Recovery	=	107.92%

Target Compounds

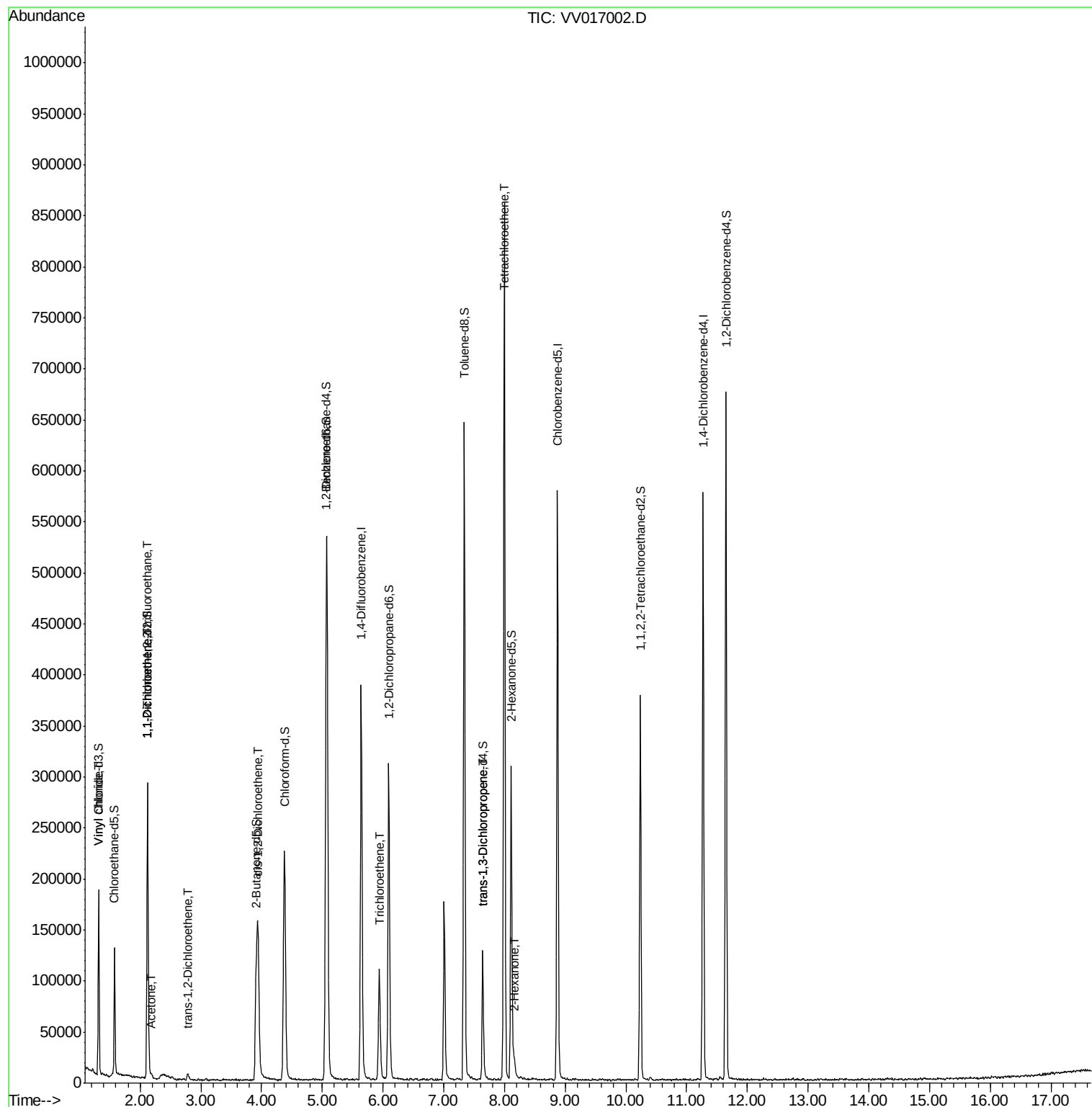
					Ovalue
5) Vinyl chloride	1.32	62	2441	1.068 ug/L #	21
10) 1,1,2-Trichloro-1,2,2-trif	2.12	101	1565	0.918 ug/L #	19
12) 1,1-Dichloroethene	2.12	96	1427	0.897 ug/L #	1
13) Acetone	2.19	43	3980	3.607 ug/L	91
17) trans-1,2-Dichloroethene	2.78	96	1538	0.709 ug/L	95
20) cis-1,2-Dichloroethene	3.94	96	68723	29.049 ug/L	98
34) Trichloroethene	5.94	95	33768	14.290 ug/L	97
44) trans-1,3-Dichloropropene	7.64	75	3382	0.977 ug/L	99
46) Tetrachloroethene	8.00	164	189372	101.898 ug/L	95
48) 2-Hexanone	8.16	43	7219	2.868 ug/L #	80

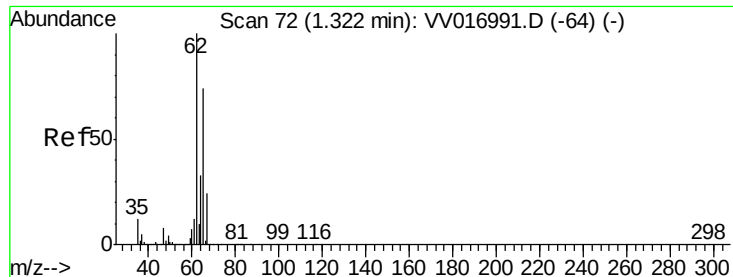
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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Quant Title : VOC Analysis
QLast Update : Sat Jun 20 02:04:09 2020
Response via : Initial Calibration





#5

Vinyl chloride

Concen: 1.068 ug/L

RT: 1.32 min Scan# 72

Delta R.T. 0.00 min

Lab File: VV017002.D

Acq: 19 Jun 2020 15:50

Instrument :

MSVOA_V

ClientSampled :

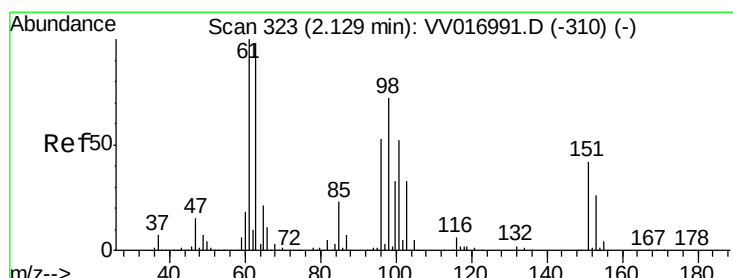
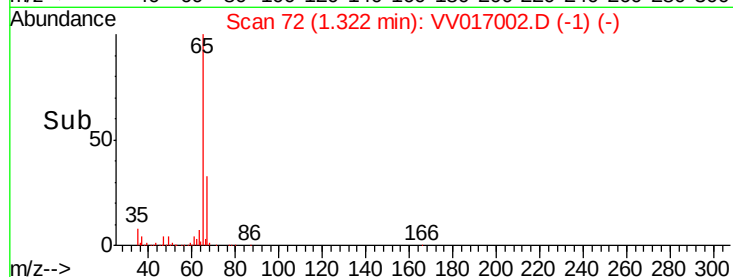
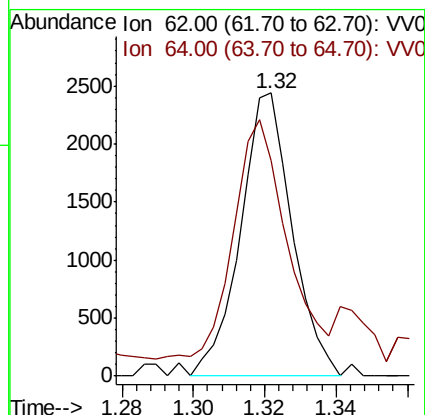
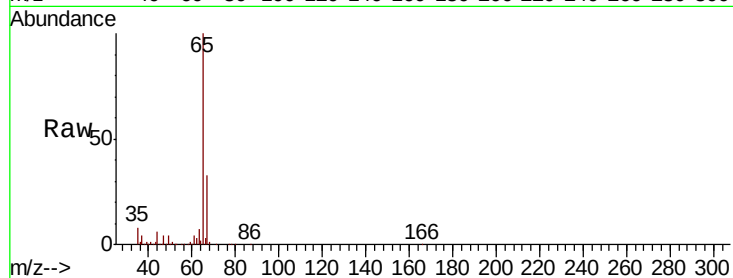
F9M05

Tot Ion: 62 Resp: 2441

Ion Ratio Lower Upper

62 100

64 76.0 22.3 41.5#



#10

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

Concen: 0.918 ug/L

RT: 2.12 min Scan# 321

Delta R.T. -0.01 min

Lab File: VV017002.D

Acq: 19 Jun 2020 15:50

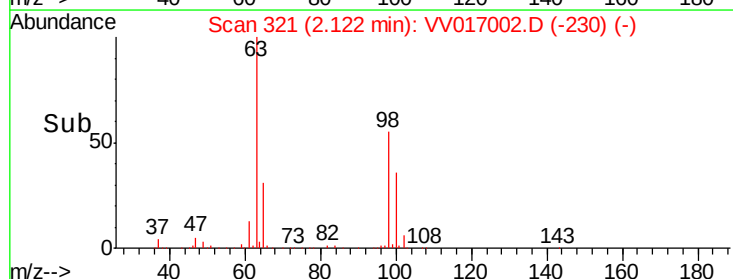
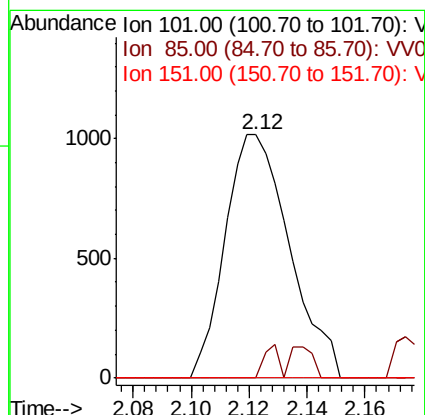
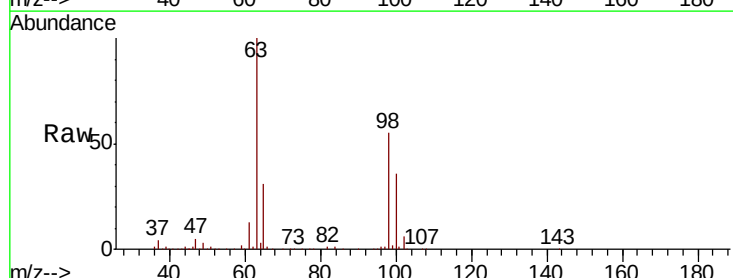
Tgt Ion: 101 Resp: 1565

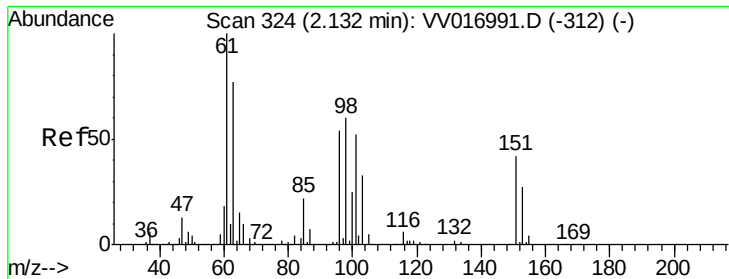
Ion Ratio Lower Upper

101 100

85 3.1 35.5 53.3#

151 0.0 63.9 95.9#





#12

1,1-Dichloroethene

Concen: 0.897 ug/L

RT: 2.12 min Scan# 320

Delta R.T. -0.01 min

Lab File: VV017002.D

Acq: 19 Jun 2020 15:50

Instrument :

MSVOA_V

ClientSampleId :

F9M05

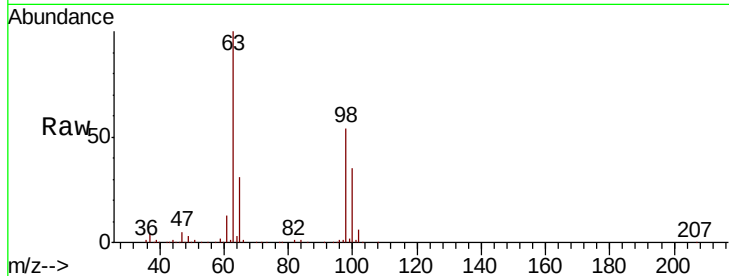
Tot Ion: 96 Resp: 1427

Ion Ratio Lower Upper

96 100

61 1353.1 130.4 242.2#

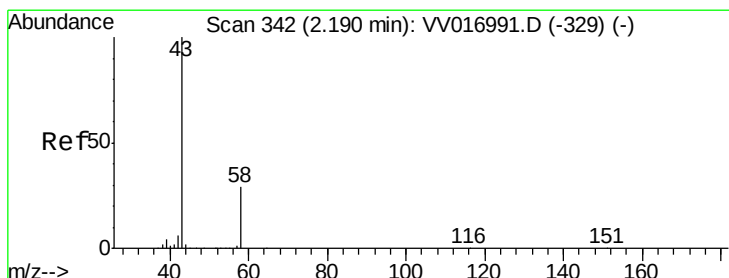
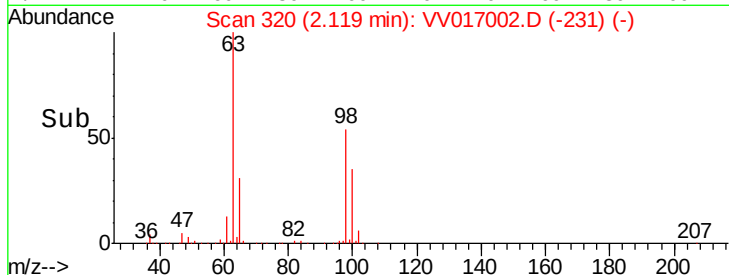
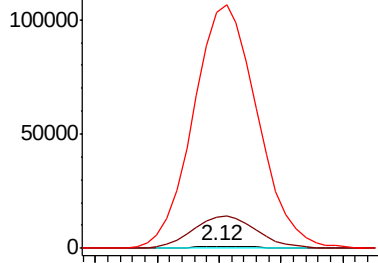
63 10121.0 103.3 191.9#



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



#13

Acetone

Concen: 3.607 ug/L

RT: 2.19 min Scan# 341

Delta R.T. -0.00 min

Lab File: VV017002.D

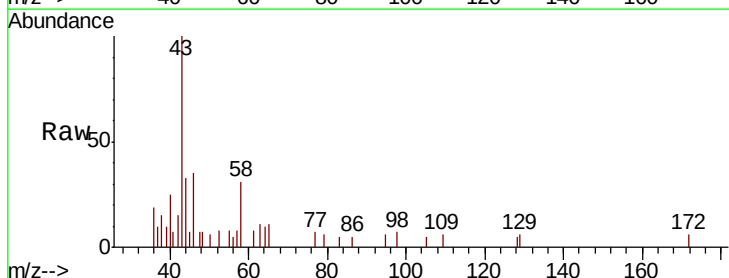
Acq: 19 Jun 2020 15:50

Tgt Ion: 43 Resp: 3980

Ion Ratio Lower Upper

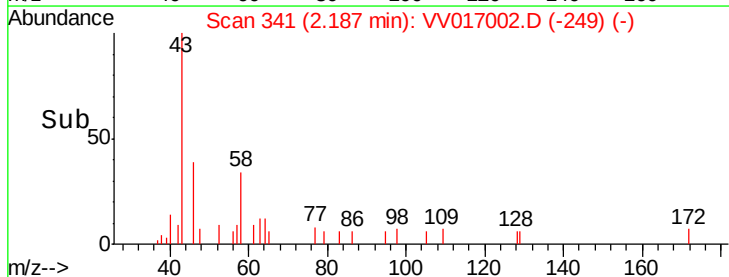
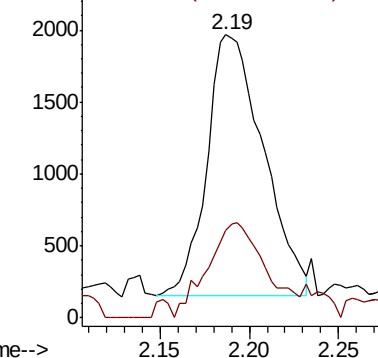
43 100

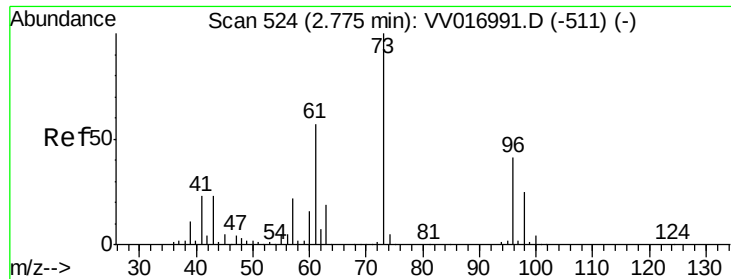
58 32.2 0.0 55.2



Abundance Ion 43.00 (42.70 to 43.70): VV0

Ion 58.00 (57.70 to 58.70): VV0





#17

trans-1,2-Dichloroethene

Concen: 0.709 ug/L

RT: 2.78 min Scan# 527

Delta R.T. 0.01 min

Lab File: VV017002.D

Acq: 19 Jun 2020 15:50

Instrument :

MSVOA_V

ClientSampled :

F9M05

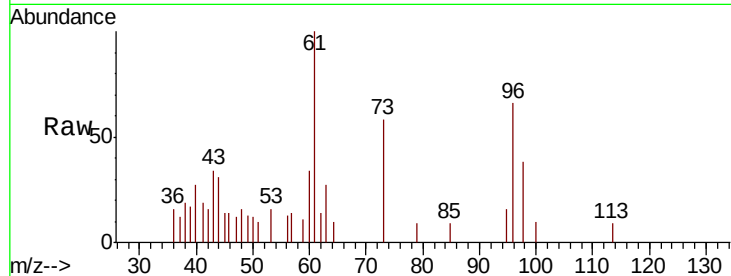
Tot Ion: 96 Resp: 1538

Ion Ratio Lower Upper

96 100

61 151.0 102.9 191.1

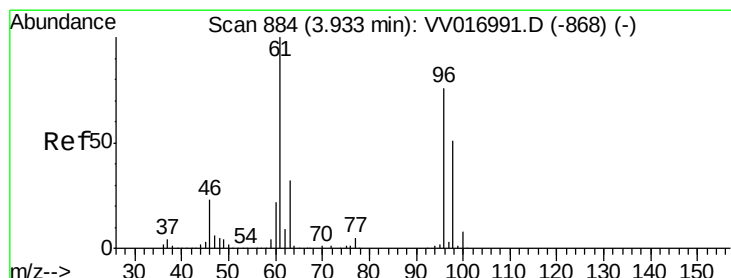
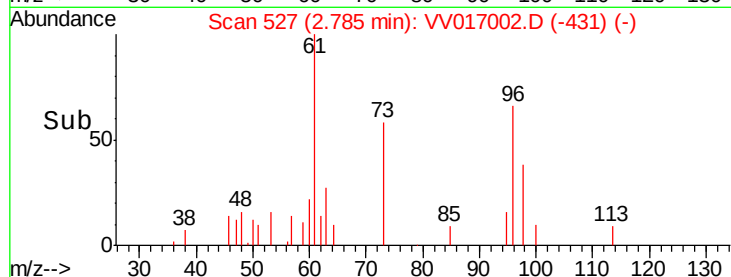
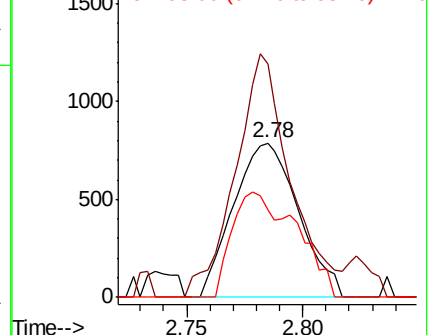
98 56.8 45.5 84.5



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: 29.049 ug/L

RT: 3.94 min Scan# 887

Delta R.T. 0.01 min

Lab File: VV017002.D

Acq: 19 Jun 2020 15:50

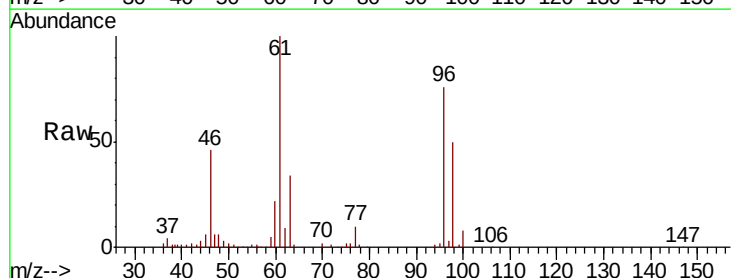
Tgt Ion: 96 Resp: 68723

Ion Ratio Lower Upper

96 100

61 130.9 93.4 173.4

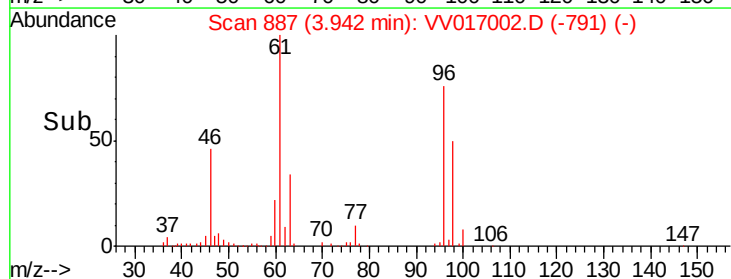
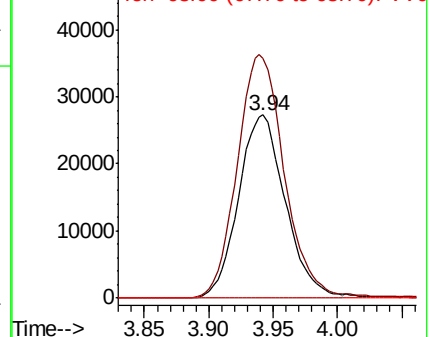
68 0.0 0.0 0.0

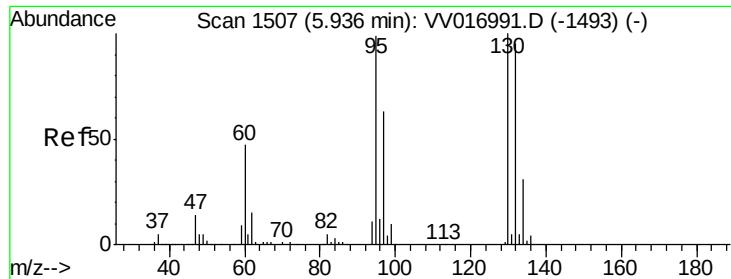


Abundance Ion 96.00 (95.70 to 96.70): VV0

Ion 61.00 (60.70 to 61.70): VV0

Ion 68.00 (67.70 to 68.70): VV0





#34

Trichloroethene

Concen: 14.290 ug/L

RT: 5.94 min Scan# 1508

Delta R.T. 0.00 min

Lab File: VV017002.D

Acq: 19 Jun 2020 15:50

Instrument :

MSVOA_V

ClientSampleId :

F9M05

Tot Ion: 95 Resp: 33768

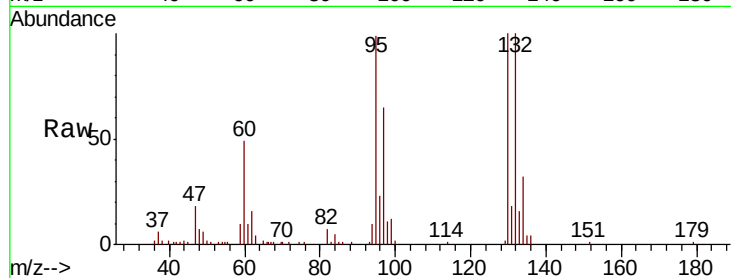
Ion Ratio Lower Upper

95 100

97 65.5 44.3 82.3

132 100.7 67.9 126.1

130 100.5 72.2 134.2



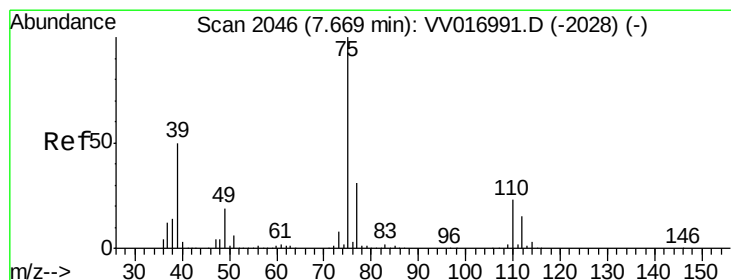
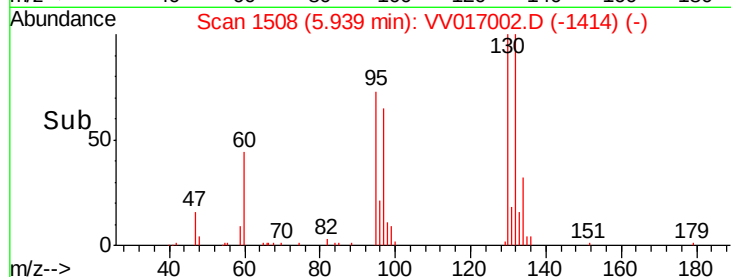
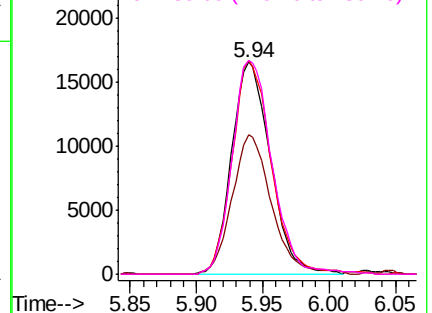
Abundance

Ion 95.00 (94.70 to 95.70): VV0

Ion 97.00 (96.70 to 97.70): VV0

Ion 132.00 (131.70 to 132.70): VV0

Ion 130.00 (129.70 to 130.70): VV0



#44

trans-1,3-Dichloropropene

Concen: 0.977 ug/L

RT: 7.64 min Scan# 2038

Delta R.T. -0.03 min

Lab File: VV017002.D

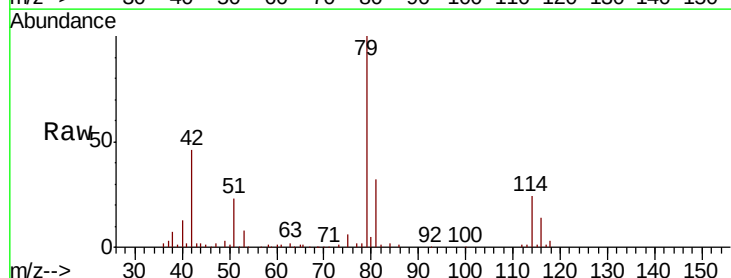
Acq: 19 Jun 2020 15:50

Tgt Ion: 75 Resp: 3382

Ion Ratio Lower Upper

75 100

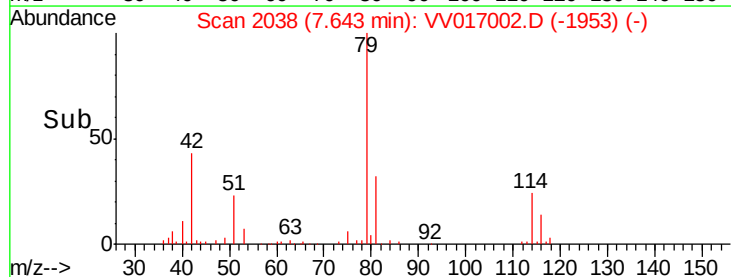
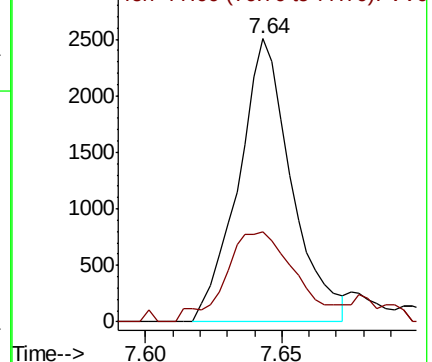
77 31.7 21.7 40.3

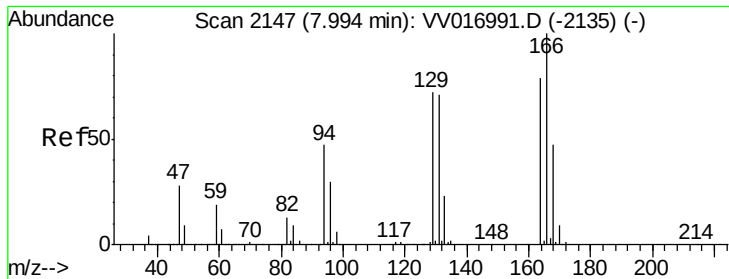


Abundance

Ion 75.00 (74.70 to 75.70): VV0

Ion 77.00 (76.70 to 77.70): VV0





#46

Tetrachloroethene

Concen: 101.898 ug/L

RT: 8.00 min Scan# 2148

Delta R.T. 0.00 min

Lab File: VV017002.D

Acq: 19 Jun 2020 15:50

Instrument :

MSVOA_V

ClientSampleId :

F9M05

Tot Ion:164 Resp: 189372

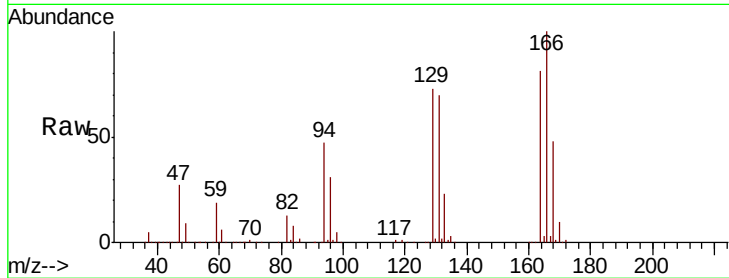
Ion Ratio Lower Upper

164 100

129 91.0 67.0 124.4

131 87.0 64.8 120.3

166 123.9 90.4 167.8

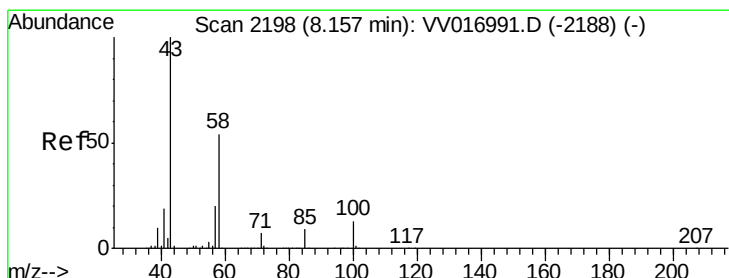
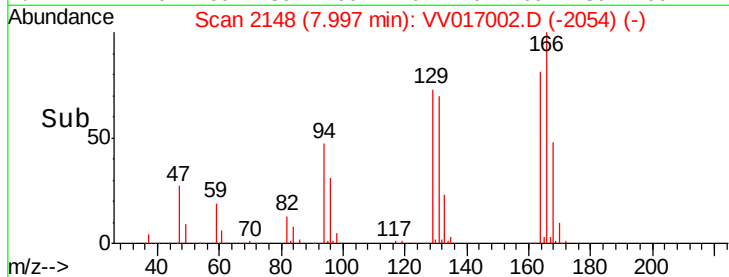
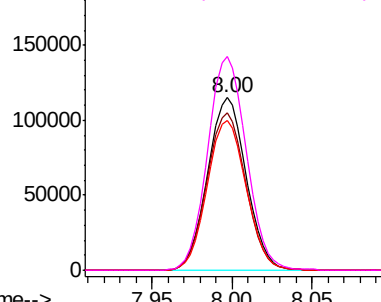


Abundance Ion 164.00 (163.70 to 164.70): V

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: 2.868 ug/L

RT: 8.16 min Scan# 2200

Delta R.T. 0.01 min

Lab File: VV017002.D

Acq: 19 Jun 2020 15:50

Tgt Ion: 43 Resp: 7219

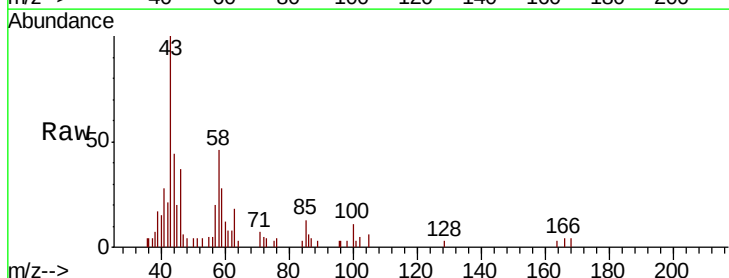
Ion Ratio Lower Upper

43 100

58 68.1 43.1 64.7#

57 4.7 15.3 22.9#

100 14.5 10.0 15.0



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

