

Data File : VV011880.D
Acq On : 12 Jul 2019 21:10
Operator : SY/MD
Sample : K3772-16
Misc : 25ML/MSVOA_V/WATER
ALS Vial : 21 Sample Multiplier: 1

Instrument :
MSVOA_V
ClientSampleId :
A52S0

Quant Time: Jul 13 04:25:11 2019
Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_V\METHOD\SOMVTR071219WMA.M
Quant Title : TRACE VOA SOM01.0
QLast Update : Sat Jul 13 04:20:11 2019
Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Difluorobenzene	5.67	114	163974	5.00	ug/L	0.00
28) Chlorobenzene-d5	8.90	117	159911	5.00	ug/L	0.00
60) 1,4-Dichlorobenzene-d4	11.30	152	70357	5.00	ug/L	0.00

System Monitoring Compounds

4) Vinyl Chloride-d3	1.32	65	59149	4.80	ug/L	0.00
Spiked Amount	5.000	Range	40 - 130	Recovery	=	96.00%
7) Chloroethane-d5	1.58	69	47997	4.93	ug/L	0.00
Spiked Amount	5.000	Range	65 - 130	Recovery	=	98.60%
11) 1,1-Dichloroethene-d2	2.13	63	67800	3.49	ug/L	0.00
Spiked Amount	5.000	Range	60 - 125	Recovery	=	69.80%
20) 2-Butanone-d5	3.95	46	144807	56.00	ug/L	0.00
Spiked Amount	50.000	Range	40 - 130	Recovery	=	112.00%
24) Chloroform-d	4.40	84	107874	4.83	ug/L	0.00
Spiked Amount	5.000	Range	70 - 125	Recovery	=	96.60%
26) 1,2-Dichloroethane-d4	5.08	65	61341	5.51	ug/L	0.00
Spiked Amount	5.000	Range	70 - 130	Recovery	=	110.20%
32) Benzene-d6	5.10	84	217939	4.95	ug/L	0.00
Spiked Amount	5.000	Range	70 - 125	Recovery	=	99.00%
36) 1,2-Dichloropropane-d6	6.12	67	67455	4.97	ug/L	0.00
Spiked Amount	5.000	Range	60 - 140	Recovery	=	99.40%
41) Toluene-d8	7.36	98	186247	4.63	ug/L	0.00
Spiked Amount	5.000	Range	70 - 130	Recovery	=	92.60%
43) trans-1,3-Dichloropropene-	7.66	79	21336	4.30	ug/L	0.00
Spiked Amount	5.000	Range	55 - 130	Recovery	=	86.00%
46) 2-Hexanone-d5	8.14	63	97489	49.92	ug/L	0.00
Spiked Amount	50.000	Range	45 - 130	Recovery	=	99.84%
57) 1,1,2,2-Tetrachloroethane-	10.26	84	43855	5.22	ug/L	0.00
Spiked Amount	5.000	Range	65 - 120	Recovery	=	104.40%
64) 1,2-Dichlorobenzene-d4	11.67	152	68533	5.27	ug/L	0.00
Spiked Amount	5.000	Range	80 - 120	Recovery	=	105.40%

Target Compounds

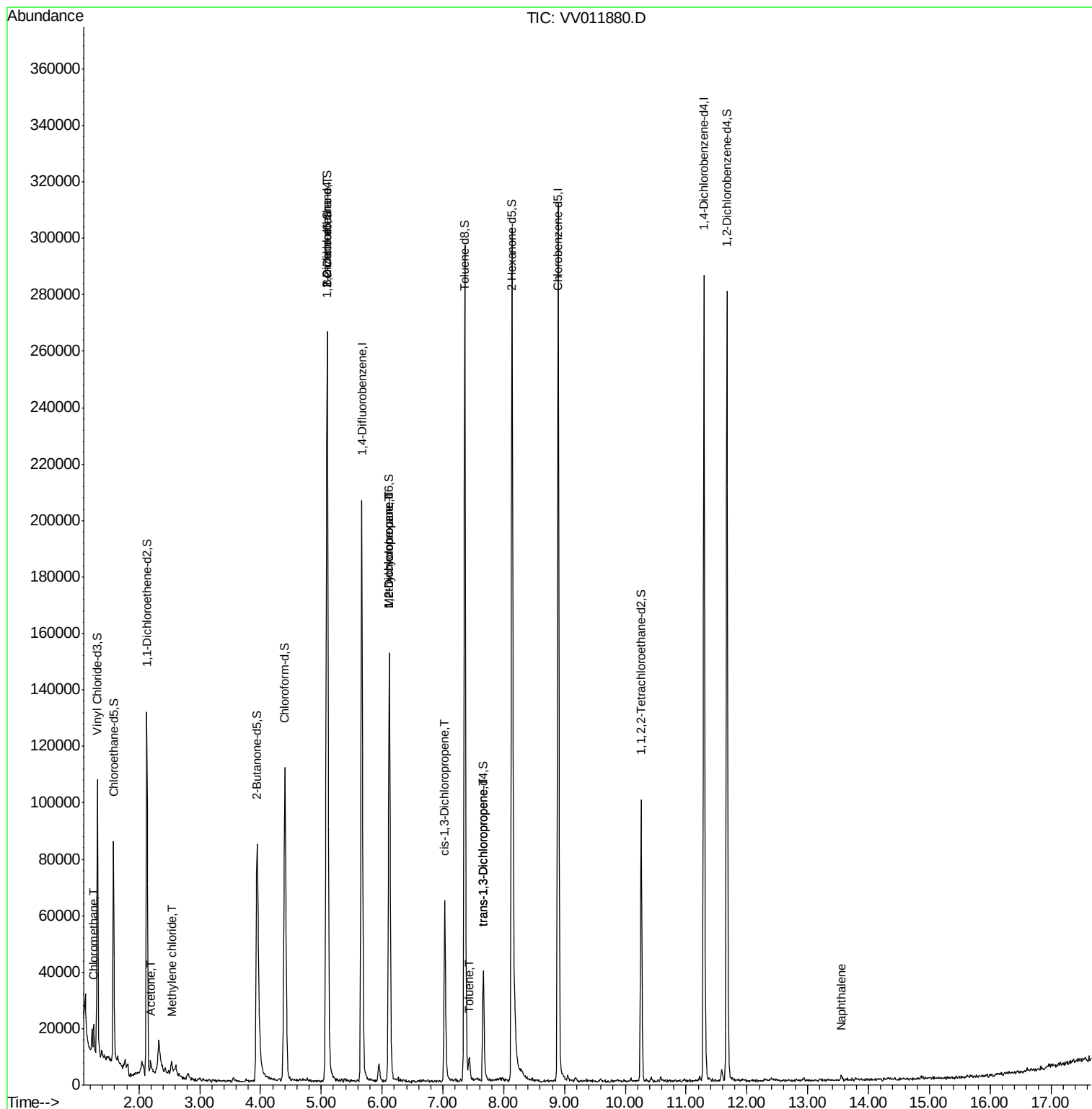
					Qvalue
3) Chloromethane	1.25	50	6052	0.381 ug/L	90
13) Acetone	2.20	43	4552	2.871 ug/L	95
16) Methylene chloride	2.53	84	1085	0.117 ug/L	88
27) 1,2-Dichloroethane	5.11	62	1570	0.113 ug/L #	74
35) Methylcyclohexane	6.12	83	16956	0.813 ug/L #	17
37) 1,2-Dichloropropane	6.12	63	8206	0.659 ug/L #	85
39) cis-1,3-Dichloropropene	7.04	75	1809	0.106 ug/L #	77
42) Toluene	7.43	91	3944	0.075 ug/L	83
44) trans-1,3-Dichloropropene	7.67	75	1101	0.083 ug/L #	70
69) Naphthalene	13.56	128	1272	0.061 ug/L #	91

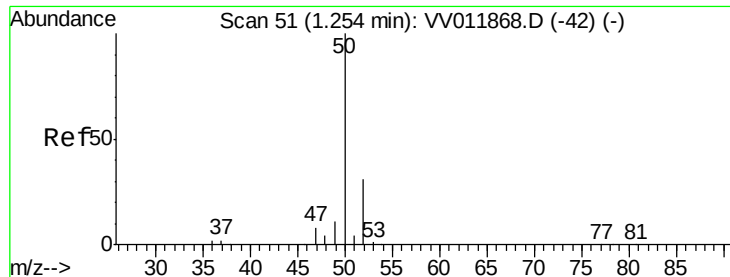
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Data File : VV011880.D
Acq On : 12 Jul 2019 21:10
Operator : SY/MD
Sample : K3772-16
Misc : 25ML/MSVOA_V/WATER
ALS Vial : 21 Sample Multiplier: 1

Instrument :
MSVOA_V
ClientSampleId :
A52S0

Quant Time: Jul 13 04:25:11 2019
Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_V\METHOD\SOMVTR071219WMA.M
Quant Title : TRACE VOA SOM01.0
QLast Update : Sat Jul 13 04:20:11 2019
Response via : Initial Calibration





#3

Chloromethane

Concen: 0.381 ug/L

RT: 1.25 min Scan# 51

Delta R.T. 0.00 min

Lab File: VV011880.D

Acq: 12 Jul 2019 21:10

Instrument :

MSVOA_V

ClientSampled :

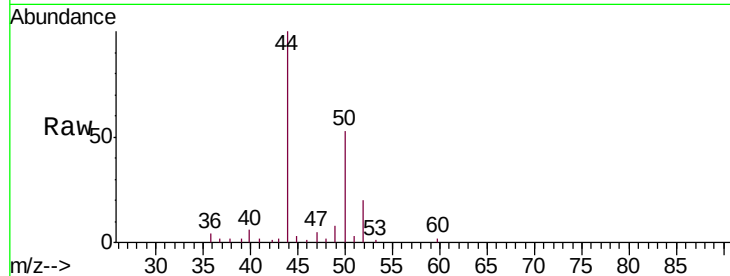
A52S0

Tgt Ion: 50 Resp: 6052

Ion Ratio Lower Upper

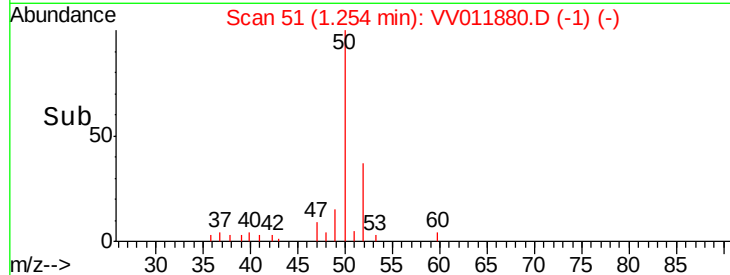
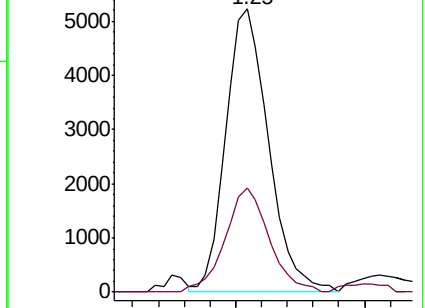
50 100

52 36.9 22.0 41.0

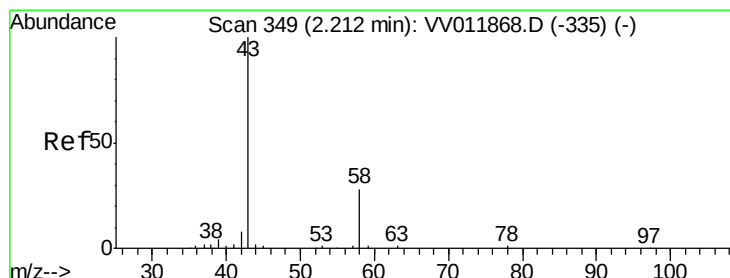


Abundance Ion 50.05 (49.75 to 50.75): VV011868.D (-42) (-)

Ion 52.05 (51.75 to 52.75): VV011880.D (-256) (-)



Time-->



#13

Acetone

Concen: 2.871 ug/L

RT: 2.20 min Scan# 344

Delta R.T. -0.02 min

Lab File: VV011880.D

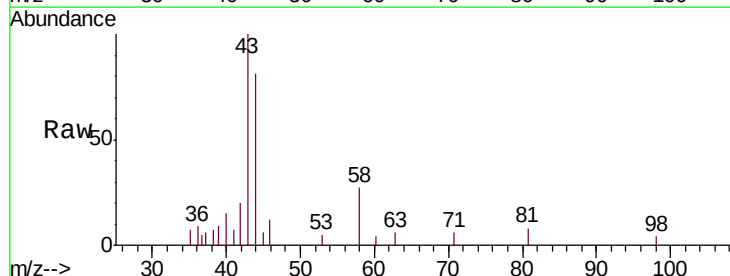
Acq: 12 Jul 2019 21:10

Tgt Ion: 43 Resp: 4552

Ion Ratio Lower Upper

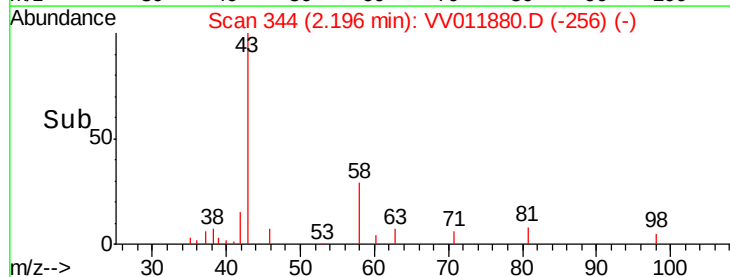
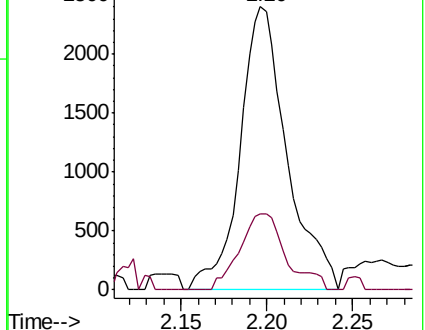
43 100

58 26.7 0.0 58.4

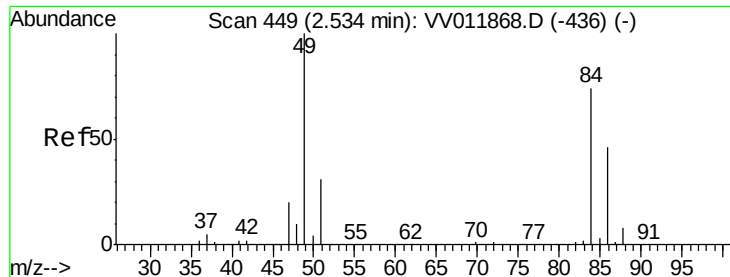


Abundance Ion 43.05 (42.75 to 43.75): VV011868.D (-335) (-)

Ion 58.05 (57.75 to 58.75): VV011880.D (-256) (-)



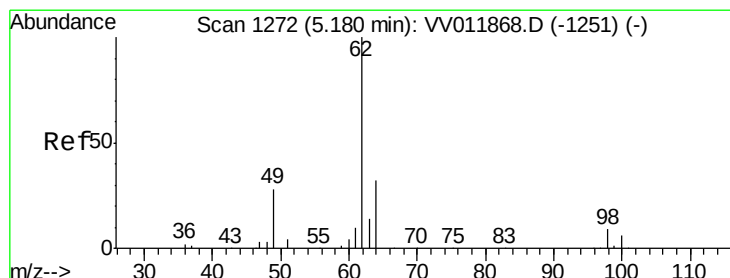
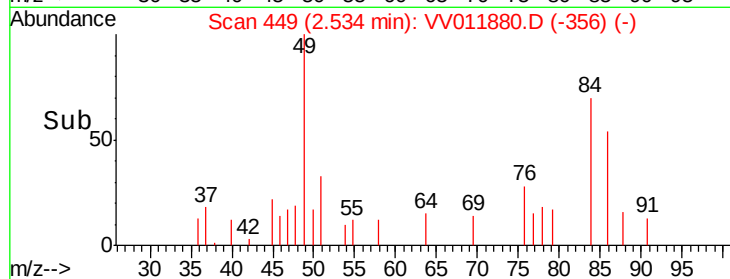
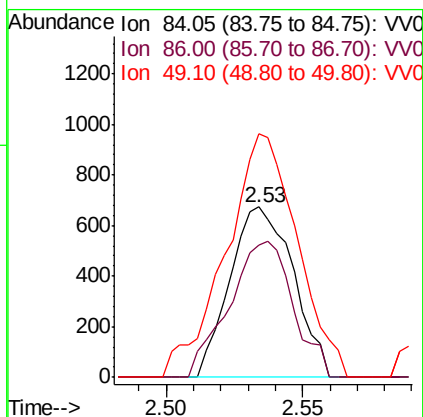
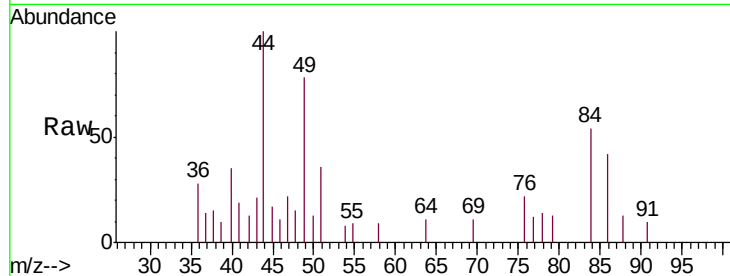
Time-->



#16
Methylene chloride
Concen: 0.117 ug/L
RT: 2.53 min Scan# 449
Delta R.T. 0.00 min
Lab File: VV011880.D
Acq: 12 Jul 2019 21:10

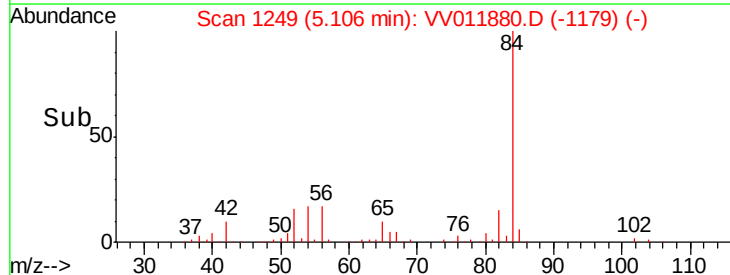
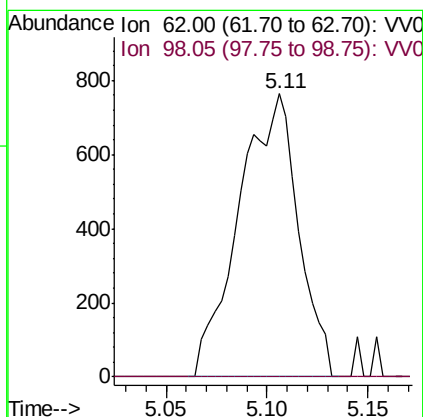
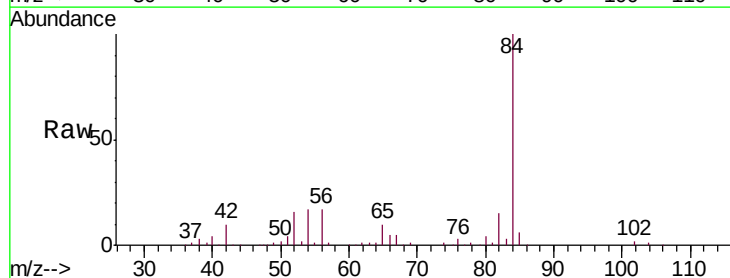
Instrument :
MSVOA_V
ClientSampled :
A52S0

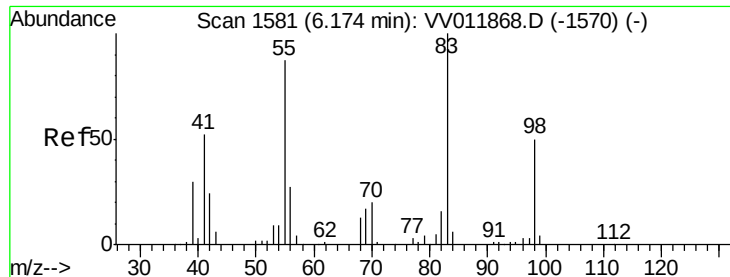
Tgt Ion: 84 Resp: 1085
Ion Ratio Lower Upper
84 100
86 77.4 43.9 81.5
49 143.1 92.6 172.0



#27
1,2-Dichloroethane
Concen: 0.113 ug/L
RT: 5.11 min Scan# 1249
Delta R.T. -0.07 min
Lab File: VV011880.D
Acq: 12 Jul 2019 21:10

Tgt Ion: 62 Resp: 1570
Ion Ratio Lower Upper
62 100
98 0.0 7.5 11.3#

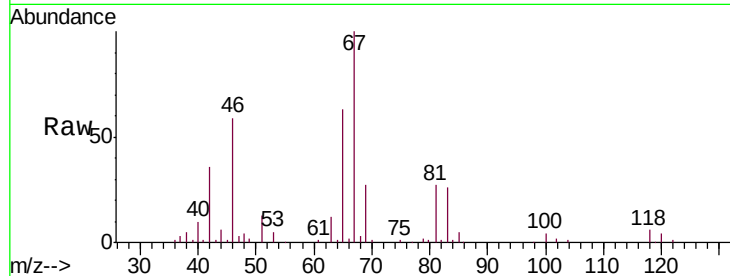




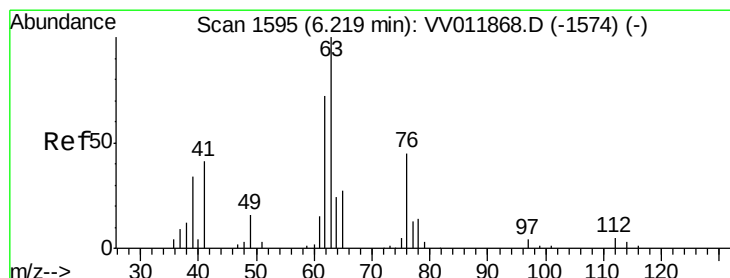
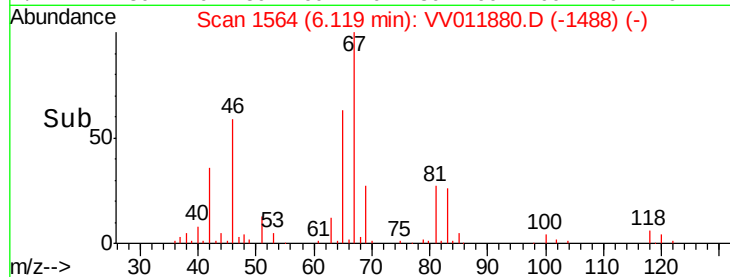
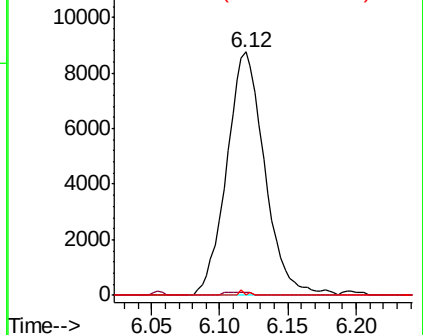
#35
Methylcyclohexane
Concen: 0.813 ug/L
RT: 6.12 min Scan# 1564
Delta R.T. -0.05 min
Lab File: VV011880.D
Acq: 12 Jul 2019 21:10

Instrument :
MSVOA_V
ClientSampleId :
A52S0

Tgt Ion	Ratio	Lower	Upper
83	100		
55	0.9	63.6	95.4#
98	0.3	39.1	58.7#

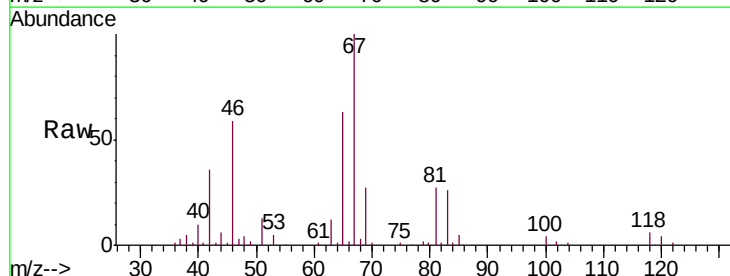


Abundance Ion 83.15 (82.85 to 83.85): VV0
Ion 55.10 (54.80 to 55.80): VV0
Ion 98.15 (97.85 to 98.85): VV0

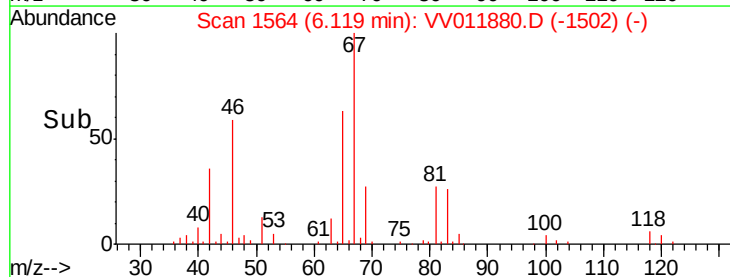
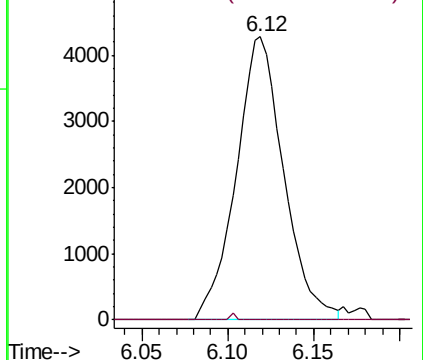


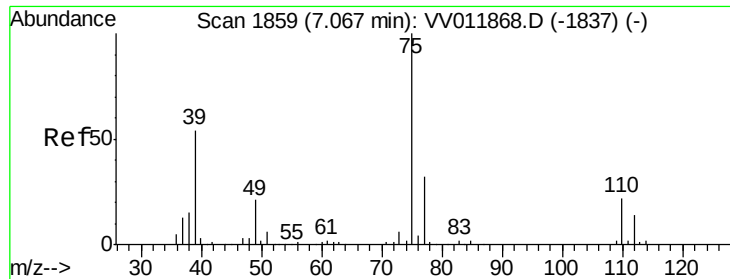
#37
1,2-Dichloropropane
Concen: 0.659 ug/L
RT: 6.12 min Scan# 1564
Delta R.T. -0.10 min
Lab File: VV011880.D
Acq: 12 Jul 2019 21:10

Tgt Ion	Ratio	Lower	Upper
63	100		
112	0.2	4.2	6.2#



Abundance Ion 63.10 (62.80 to 63.80): VV0
Ion 112.10 (111.80 to 112.80): V





#39

cis-1,3-Dichloropropene

Concen: 0.106 ug/L

RT: 7.04 min Scan# 1849

Delta R.T. -0.03 min

Lab File: VV011880.D

Acq: 12 Jul 2019 21:10

Instrument :

MSVOA_V

ClientSampleId :

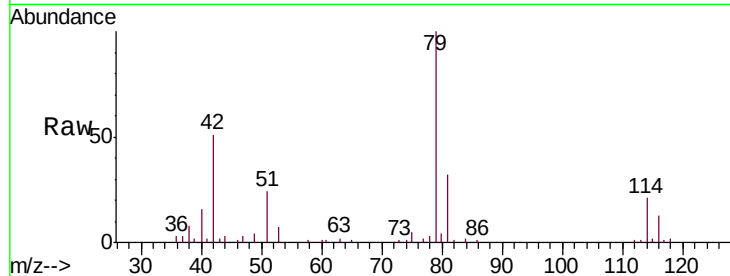
A52S0

Tgt Ion: 75 Resp: 1809

Ion Ratio Lower Upper

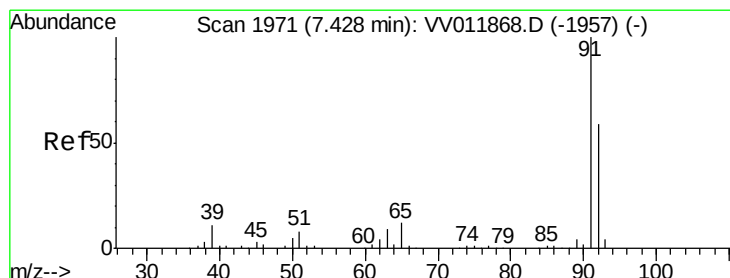
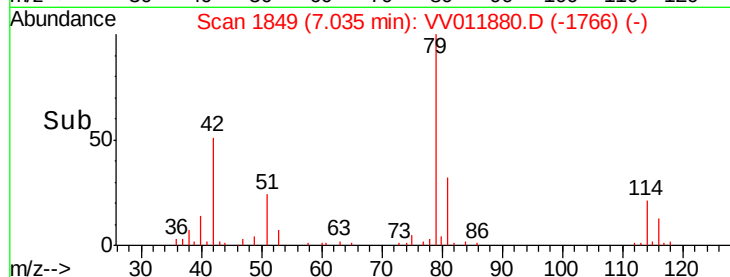
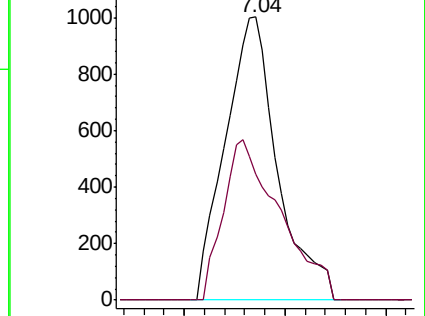
75 100

77 44.5 22.3 41.3#



Abundance Ion 75.05 (74.75 to 75.75): VV0

Ion 77.05 (76.75 to 77.75): VV0



#42

Toluene

Concen: 0.075 ug/L

RT: 7.43 min Scan# 1973

Delta R.T. 0.01 min

Lab File: VV011880.D

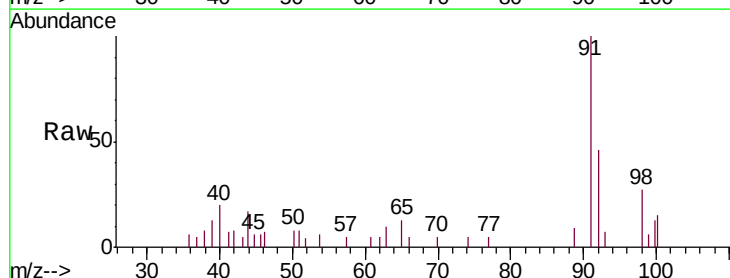
Acq: 12 Jul 2019 21:10

Tgt Ion: 91 Resp: 3944

Ion Ratio Lower Upper

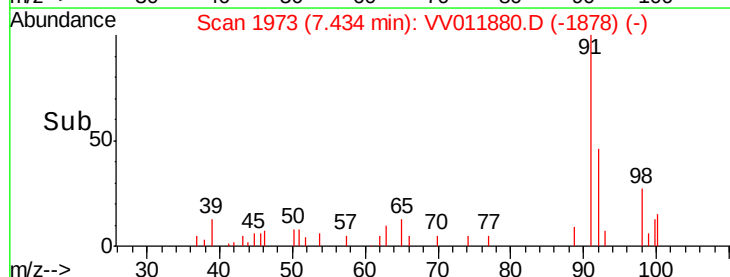
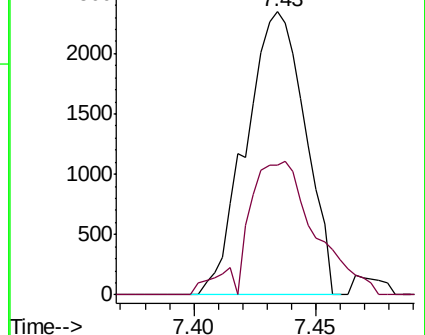
91 100

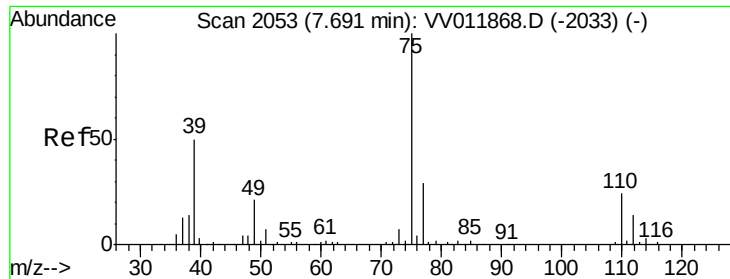
92 46.0 40.8 75.8



Abundance Ion 91.15 (90.85 to 91.85): VV0

Ion 92.15 (91.85 to 92.85): VV0





#44

trans-1,3-Dichloropropene

Concen: 0.083 ug/L

RT: 7.67 min Scan# 2047

Delta R.T. -0.02 min

Lab File: VV011880.D

Acq: 12 Jul 2019 21:10

Instrument :

MSVOA_V

ClientSampleId :

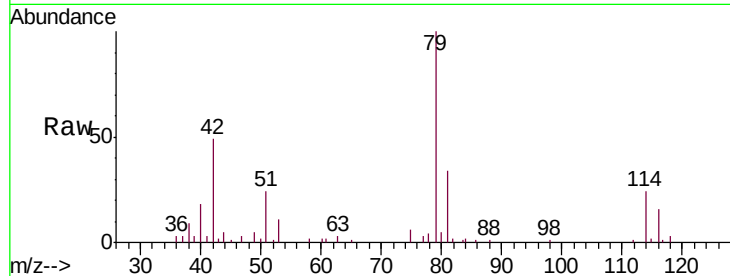
A52S0

Tgt Ion: 75 Resp: 1101

Ion Ratio Lower Upper

75 100

77 47.0 21.6 40.0#



Abundance Ion 75.05 (74.75 to 75.75): VV011868.D (-2033) (-)

Ion 77.05 (76.75 to 77.75): VV011868.D (-2033) (-)

75.05 (74.75 to 75.75): VV011868.D (-2033) (-)

77.05 (76.75 to 77.75): VV011868.D (-2033) (-)

79.05 (78.75 to 79.75): VV011868.D (-2033) (-)

114.05 (113.75 to 114.75): VV011868.D (-2033) (-)

116.05 (115.75 to 116.75): VV011868.D (-2033) (-)

118.05 (117.75 to 118.75): VV011868.D (-2033) (-)

120.05 (119.75 to 120.75): VV011868.D (-2033) (-)

122.05 (121.75 to 122.75): VV011868.D (-2033) (-)

124.05 (123.75 to 124.75): VV011868.D (-2033) (-)

126.05 (125.75 to 126.75): VV011868.D (-2033) (-)

128.05 (127.75 to 128.75): VV011868.D (-2033) (-)

130.05 (129.75 to 130.75): VV011868.D (-2033) (-)

132.05 (131.75 to 132.75): VV011868.D (-2033) (-)

134.05 (133.75 to 134.75): VV011868.D (-2033) (-)

136.05 (135.75 to 136.75): VV011868.D (-2033) (-)

138.05 (137.75 to 138.75): VV011868.D (-2033) (-)

140.05 (139.75 to 140.75): VV011868.D (-2033) (-)

142.05 (141.75 to 142.75): VV011868.D (-2033) (-)

144.05 (143.75 to 144.75): VV011868.D (-2033) (-)

146.05 (145.75 to 146.75): VV011868.D (-2033) (-)

148.05 (147.75 to 148.75): VV011868.D (-2033) (-)

150.05 (149.75 to 150.75): VV011868.D (-2033) (-)

152.05 (151.75 to 152.75): VV011868.D (-2033) (-)

154.05 (153.75 to 154.75): VV011868.D (-2033) (-)

156.05 (155.75 to 156.75): VV011868.D (-2033) (-)

158.05 (157.75 to 158.75): VV011868.D (-2033) (-)

160.05 (159.75 to 160.75): VV011868.D (-2033) (-)

162.05 (161.75 to 162.75): VV011868.D (-2033) (-)

164.05 (163.75 to 164.75): VV011868.D (-2033) (-)

166.05 (165.75 to 166.75): VV011868.D (-2033) (-)

168.05 (167.75 to 168.75): VV011868.D (-2033) (-)

170.05 (169.75 to 170.75): VV011868.D (-2033) (-)

172.05 (171.75 to 172.75): VV011868.D (-2033) (-)

174.05 (173.75 to 174.75): VV011868.D (-2033) (-)

176.05 (175.75 to 176.75): VV011868.D (-2033) (-)

178.05 (177.75 to 178.75): VV011868.D (-2033) (-)

180.05 (179.75 to 180.75): VV011868.D (-2033) (-)

182.05 (181.75 to 182.75): VV011868.D (-2033) (-)

184.05 (183.75 to 184.75): VV011868.D (-2033) (-)

186.05 (185.75 to 186.75): VV011868.D (-2033) (-)

188.05 (187.75 to 188.75): VV011868.D (-2033) (-)

190.05 (189.75 to 190.75): VV011868.D (-2033) (-)

192.05 (191.75 to 192.75): VV011868.D (-2033) (-)

194.05 (193.75 to 194.75): VV011868.D (-2033) (-)

196.05 (195.75 to 196.75): VV011868.D (-2033) (-)

198.05 (197.75 to 198.75): VV011868.D (-2033) (-)

200.05 (199.75 to 200.75): VV011868.D (-2033) (-)

202.05 (201.75 to 202.75): VV011868.D (-2033) (-)

204.05 (203.75 to 204.75): VV011868.D (-2033) (-)

206.05 (205.75 to 206.75): VV011868.D (-2033) (-)

208.05 (207.75 to 208.75): VV011868.D (-2033) (-)

210.05 (209.75 to 210.75): VV011868.D (-2033) (-)

212.05 (211.75 to 212.75): VV011868.D (-2033) (-)

214.05 (213.75 to 214.75): VV011868.D (-2033) (-)

216.05 (215.75 to 216.75): VV011868.D (-2033) (-)

218.05 (217.75 to 218.75): VV011868.D (-2033) (-)

220.05 (219.75 to 220.75): VV011868.D (-2033) (-)

222.05 (221.75 to 222.75): VV011868.D (-2033) (-)

224.05 (223.75 to 224.75): VV011868.D (-2033) (-)

226.05 (225.75 to 226.75): VV011868.D (-2033) (-)

228.05 (227.75 to 228.75): VV011868.D (-2033) (-)

230.05 (229.75 to 230.75): VV011868.D (-2033) (-)

232.05 (231.75 to 232.75): VV011868.D (-2033) (-)

234.05 (233.75 to 234.75): VV011868.D (-2033) (-)

236.05 (235.75 to 236.75): VV011868.D (-2033) (-)

238.05 (237.75 to 238.75): VV011868.D (-2033) (-)

240.05 (239.75 to 240.75): VV011868.D (-2033) (-)

242.05 (241.75 to 242.75): VV011868.D (-2033) (-)

244.05 (243.75 to 244.75): VV011868.D (-2033) (-)

246.05 (245.75 to 246.75): VV011868.D (-2033) (-)

248.05 (247.75 to 248.75): VV011868.D (-2033) (-)

250.05 (249.75 to 250.75): VV011868.D (-2033) (-)

252.05 (251.75 to 252.75): VV011868.D (-2033) (-)

254.05 (253.75 to 254.75): VV011868.D (-2033) (-)

256.05 (255.75 to 256.75): VV011868.D (-2033) (-)

258.05 (257.75 to 258.75): VV011868.D (-2033) (-)

260.05 (259.75 to 260.75): VV011868.D (-2033) (-)

262.05 (261.75 to 262.75): VV011868.D (-2033) (-)

264.05 (263.75 to 264.75): VV011868.D (-2033) (-)

266.05 (265.75 to 266.75): VV011868.D (-2033) (-)

268.05 (267.75 to 268.75): VV011868.D (-2033) (-)

270.05 (269.75 to 270.75): VV011868.D (-2033) (-)

272.05 (271.75 to 272.75): VV011868.D (-2033) (-)

274.05 (273.75 to 274.75): VV011868.D (-2033) (-)

276.05 (275.75 to 276.75): VV011868.D (-2033) (-)

278.05 (277.75 to 278.75): VV011868.D (-2033) (-)

280.05 (279.75 to 280.75): VV011868.D (-2033) (-)

282.05 (281.75 to 282.75): VV011868.D (-2033) (-)

284.05 (283.75 to 284.75): VV011868.D (-2033) (-)

286.05 (285.75 to 286.75): VV011868.D (-2033) (-)

288.05 (287.75 to 288.75): VV011868.D (-2033) (-)

290.05 (289.75 to 290.75): VV011868.D (-2033) (-)

292.05 (291.75 to 292.75): VV011868.D (-2033) (-)

294.05 (293.75 to 294.75): VV011868.D (-2033) (-)

296.05 (295.75 to 296.75): VV011868.D (-2033) (-)

298.05 (297.75 to 298.75): VV011868.D (-2033) (-)

300.05 (299.75 to 300.75): VV011868.D (-2033) (-)

302.05 (301.75 to 302.75): VV011868.D (-2033) (-)

304.05 (303.75 to 304.75): VV011868.D (-2033) (-)

306.05 (305.75 to 306.75): VV011868.D (-2033) (-)

308.05 (307.75 to 308.75): VV011868.D (-2033) (-)

310.05 (309.75 to 310.75): VV011868.D (-2033) (-)

312.05 (311.75 to 312.75): VV011868.D (-2033) (-)

314.05 (313.75 to 314.75): VV011868.D (-2033) (-)

316.05 (315.75 to 316.75): VV011868.D (-2033) (-)

318.05 (317.75 to 318.75): VV011868.D (-2033) (-)

320.05 (319.75 to 320.75): VV011868.D (-2033) (-)

322.05 (321.75 to 322.75): VV011868.D (-2033) (-)

324.05 (323.75 to 324.75): VV011868.D (-2033) (-)

326.05 (325.75 to 326.75): VV011868.D (-2033) (-)

328.05 (327.75 to 328.75): VV011868.D (-2033) (-)

330.05 (329.75 to 330.75): VV011868.D (-2033) (-)

332.05 (331.75 to 332.75): VV011868.D (-2033) (-)

334.05 (333.75 to 334.75): VV011868.D (-2033) (-)

336.05 (335.75 to 336.75): VV011868.D (-2033) (-)

338.05 (337.75 to 338.75): VV011868.D (-2033) (-)

340.05 (339.75 to 340.75): VV011868.D (-2033) (-)

342.05 (341.75 to 342.75): VV011868.D (-2033) (-)

344.05 (343.75 to 344.75): VV011868.D (-2033) (-)

346.05 (345.75 to 346.75): VV011868.D (-2033) (-)

348.05 (347.75 to 348.75): VV011868.D (-2033) (-)

350.05 (349.75 to 350.75): VV011868.D (-2033) (-)

352.05 (351.75 to 352.75): VV011868.D (-2033) (-)

354.05 (353.75 to 354.75): VV011868.D (-2033) (-)

356.05 (355.75 to 356.75): VV011868.D (-2033) (-)

358.05 (357.75 to 358.75): VV011868.D (-2033) (-)

360.05 (359.75 to 360.75): VV011868.D (-2033) (-)

362.05 (361.75 to 362.75): VV011868.D (-2033) (-)

364.05 (363.75 to 364.75): VV011868.D (-2033) (-)

366.05 (365.75 to 366.75): VV011868.D (-2033) (-)

368.05 (367.75 to 368.75): VV011868.D (-2033) (-)

370.05 (369.75 to 370.75): VV011868.D (-2033) (-)

372.05 (371.75 to 372.75): VV011868.D (-2033) (-)

374.05 (373.75 to 374.75): VV011868.D (-2033) (-)

376.05 (375.75 to 376.75): VV011868.D (-2033) (-)

378.05 (377.75 to 378.75): VV011868.D (-2033) (-)

380.05 (379.75 to 380.75): VV011868.D (-2033) (-)

382.05 (381.75 to 382.75): VV011868.D (-2033) (-)

384.05 (383.75 to 384.75): VV011868.D (-2033) (-)

386.05 (385.75 to 386.75): VV011868.D (-2033) (-)

388.05 (387.75 to 388.75): VV011868.D (-2033) (-)

390.05 (389.75 to 390.75): VV011868.D (-2033) (-)

392.05 (391.75 to 392.75): VV011868.D (-2033) (-)

394.05 (393.75 to 394.75): VV011868.D (-2033) (-)

396.05 (395.75 to 396.75): VV011868.D (-2033) (-)

398.05 (397.75 to 398.75): VV011868.D (-2033) (-)

400.05 (399.75 to 400.75): VV011868.D (-2033) (-)

402.05 (401.75 to 402.75): VV011868.D (-2033) (-)

404.05 (403.75 to 404.75): VV011868.D (-2033) (-)